

State Population Total

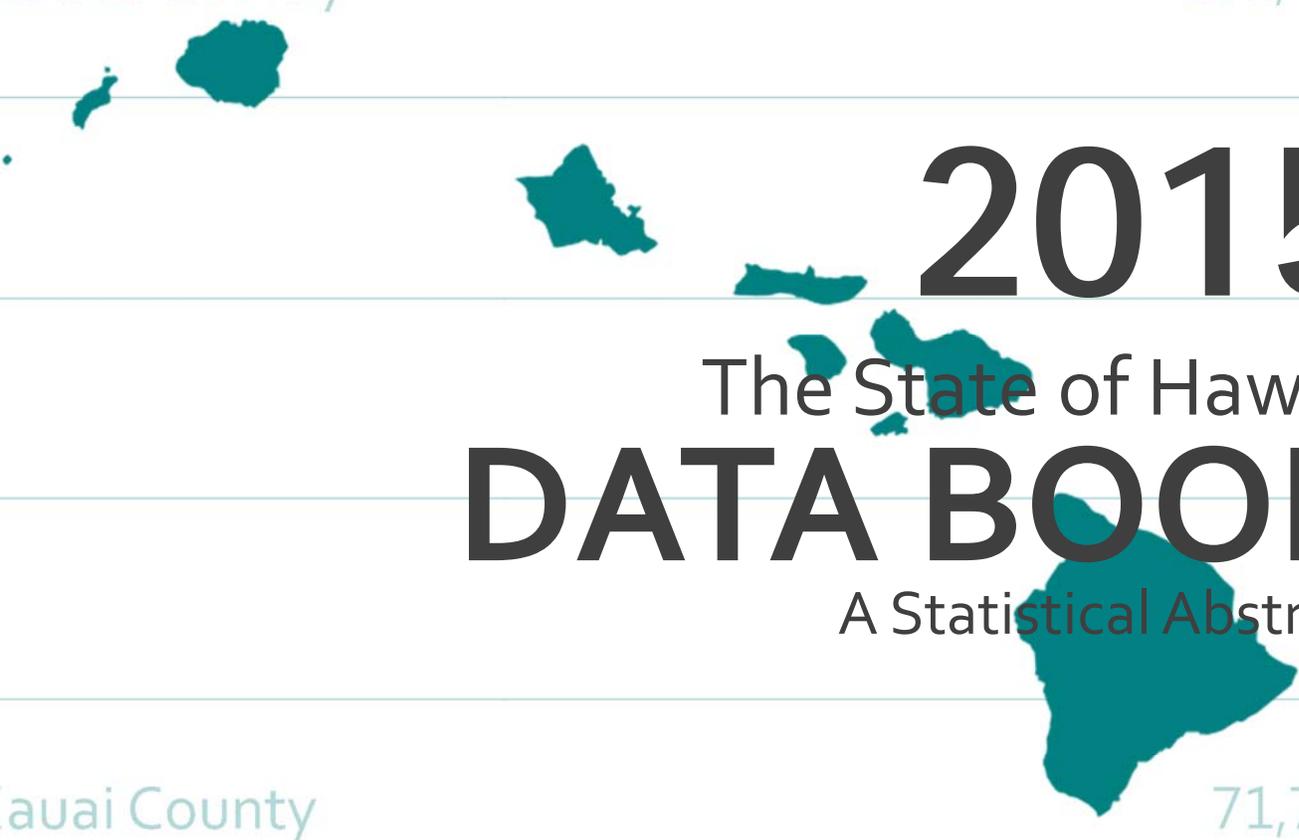
1,431,603

City & County of Honolulu

998,714

Hawaii County

196,428



# 2015

The State of Hawaii

# DATA BOOK

A Statistical Abstract

Kauai County

71,735

Maui County

164,726



**DBEDT**  
THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM  
STATE OF HAWAII

# 2015

The State of Hawaii  
**DATA BOOK**

A Statistical Abstract

August 2016



**DBEDT**  
THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM  
S T A T E O F H A W A I I

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## Bibliography

Table A. Printing History of the *State of Hawaii Data Book*  
Availability of electronic versions of the *Data Book* tables

This report has been produced by the Hawaii State Department of Business, Economic Development & Tourism's Research and Economic Analysis Division, headed by Eugene X. Tian, Ph.D., Economic Research Administrator. It was compiled and edited by Yang-Seon Kim, Ph.D., Research and Statistics Officer; Mary Blewitt, Economist; Jan Nakamoto, Paul Oshiro, and David Fink, Research Statisticians. The Office of Planning GIS Program, DBEDT, produced the maps.

The report is available <<http://dbedt.hawaii.gov>>.

## ABOUT THIS EDITION

The Department of Business, Economic Development & Tourism is pleased to present the 2015 edition of the *State of Hawaii Data Book*, the official summary of statistics on the social, economic, and political organization of our state.

This edition, the 48th in the series, places major emphasis on statewide data and less so on counties, islands, urban places, and smaller areas. Source references for additional statistical detail are provided in the introductions to the sections and at the end of each table.

Agencies of the federal, state, and county governments, as well as numerous private organizations, assisted DBEDT's Research and Economic Analysis Division in preparing the *Data Book*. To them, we extend our appreciation for their cooperation and contributions to this annual endeavor.



Luis P. Salaveria  
Director of Business,  
Economic Development &  
Tourism

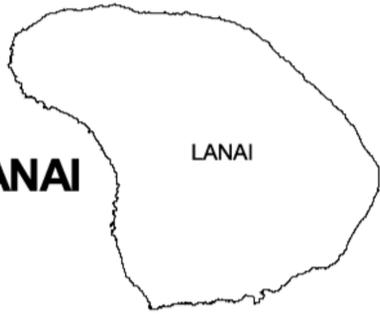


*Kalawao is officially designated as a separate county but is usually treated as a district of Maui for statistical purposes.*

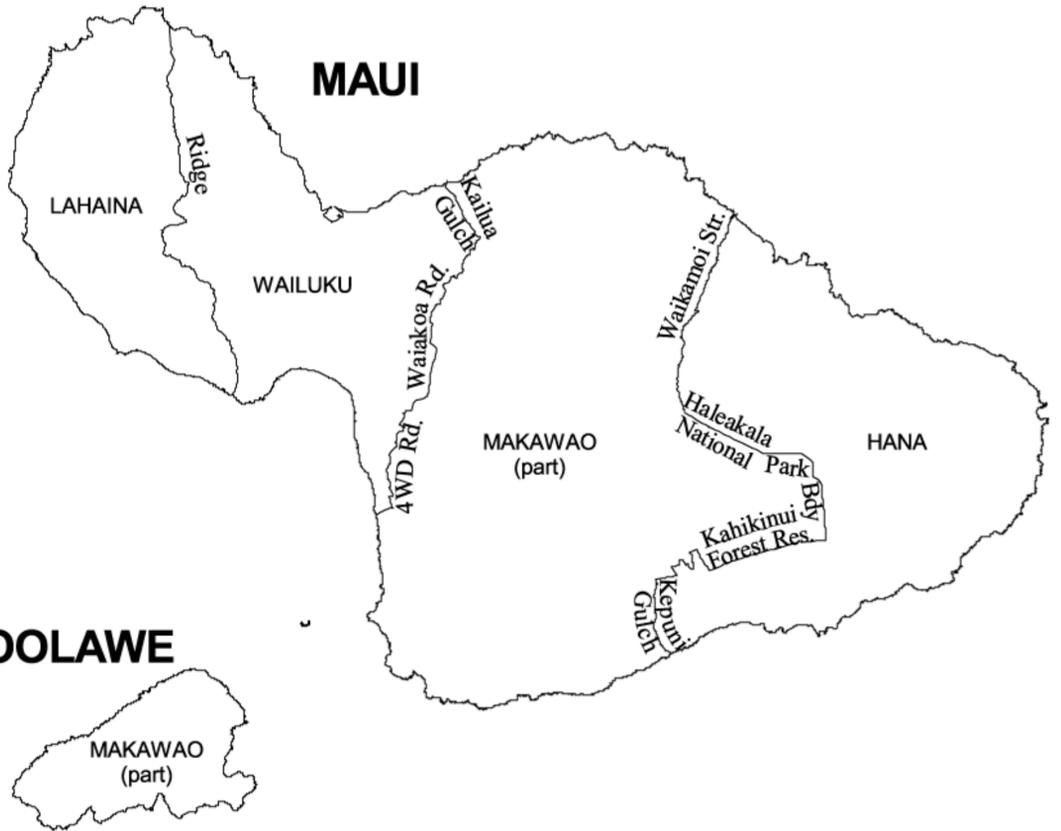
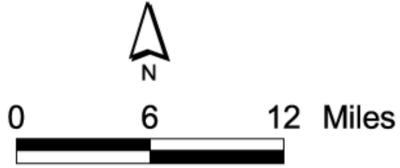
**INSET C  
MAUI  
COUNTY**



**MOLOKAI**

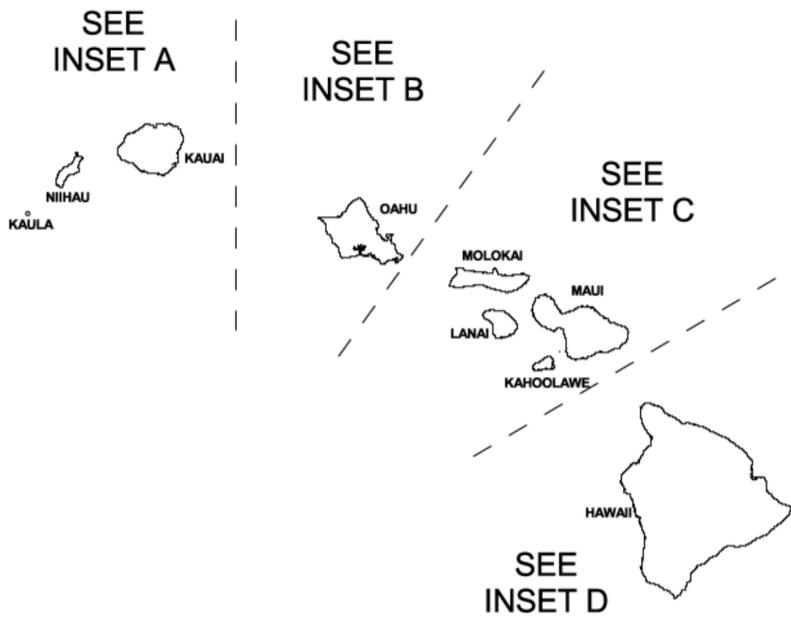


**LANAI**



**MAUI**

**KAHOOLAWE**



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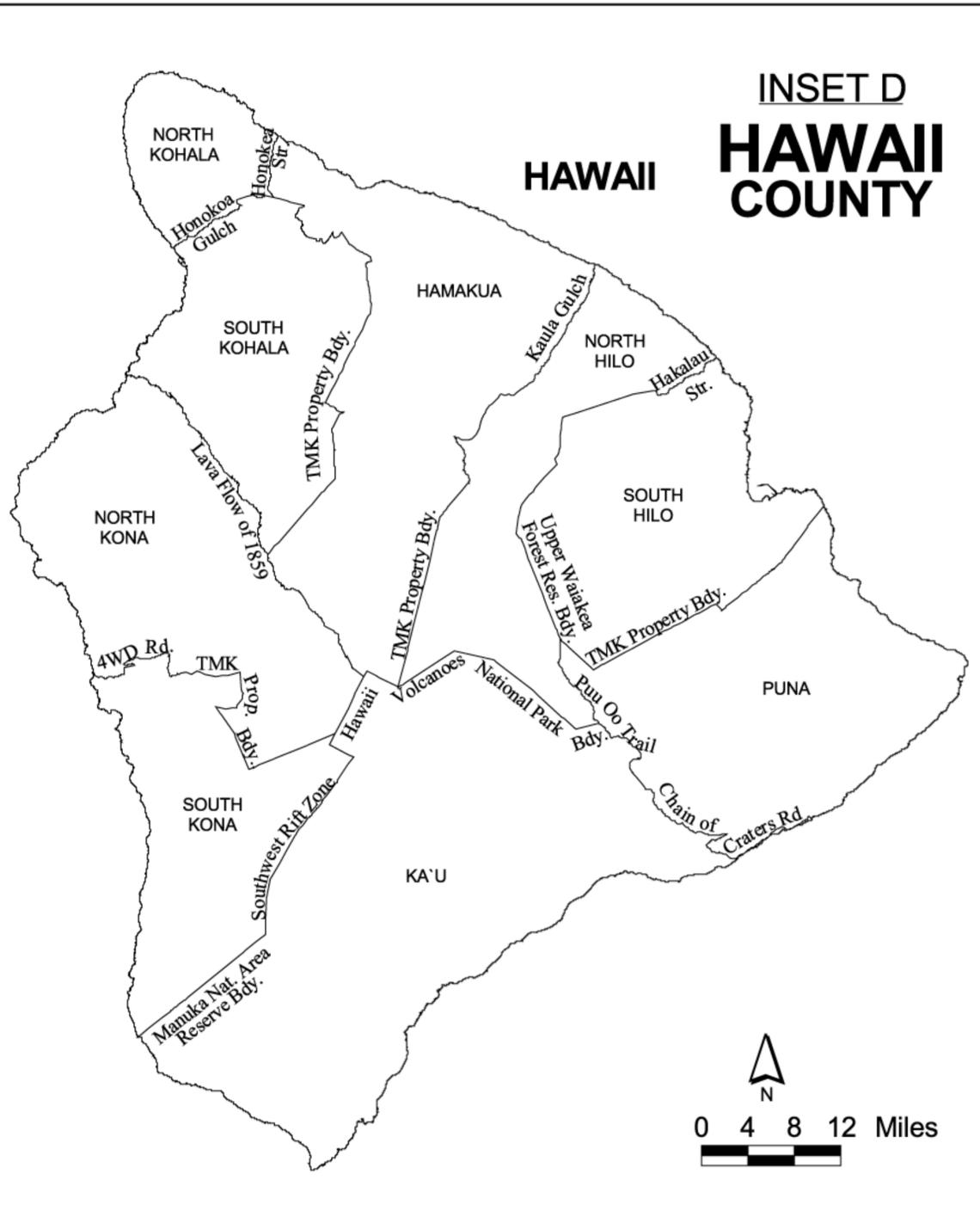
STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC  
DEVELOPMENT & TOURISM

OFFICE OF PLANNING

2001

**INSET D  
HAWAII  
COUNTY**



**HAWAII**



# GUIDE TO TABULAR PRESENTATION

The tables in this report generally follow the principles of tabular presentation used by the U.S. Census Bureau in its former publication, *Statistical Abstract of the United States*, and described in *Bureau of the Census Manual of Tabular Presentation*, published by the Bureau in 1950. These principles have been accepted by the Department of Business, Economic Development & Tourism for use in its publications and recommended to all other state agencies for official use.

Headnotes immediately below table titles provide information important for correct interpretation or evaluation of the table as a whole or for a major segment of it.

Unit indicators ("In thousands," "In millions of dollars," etc.) are usually given as the first element of the headnote. In tables where several units are used, the unit indicators are generally given in the stub or in the column headings.

Footnotes below the bottom rule of tables give information relating to specific items, figures or symbols within the table.

Parallel vertical rules are used to the right of a total column to indicate --

- (1) that the components which follow add to the total;
- (2) in the case of derived figures, that the underlying data are additive to their total.

A dash (-) represents zero in references to absolute values. In rates and percentages, a zero (0) is used. When data are not available (NA) is used. The symbol (X) is used when data are not applicable. A (D) is used when information is withheld by the source to avoid disclosing data for individual companies.

In many tables, details will not add exactly to the totals and subtotals shown because of rounding.

Geographic coverage should be understood as statewide, unless otherwise indicated in the table title, headnote, boxhead, or stub. All annual statistics should be understood as referring to calendar years unless otherwise indicated.

The source of a table may include an address to an Internet webpage. Should the link be invalid, please try the upper levels of the address.

Brackets (< >) indicate the uniform resource locator (URL) of the website of the publication, title page, if applicable, or the page where cited material appears.

## Section 1

# POPULATION

This section presents statistics on the growth, geographic distribution, and composition of the population of Hawaii, and on the number and characteristics of migrants moving to and from the state.

The principal sources for these data are the decennial population censuses and the annual American Community Survey conducted by the U.S. Census Bureau; the estimates developed annually by the Federal-State Cooperative Program for Population Estimates; the Hawaii Health Survey conducted regularly since 1969 by the Hawaii State Department of Health; the ongoing series on visitors present and residents absent currently provided by the Hawaii Tourism Authority's Tourism Research; and the Office of Immigration Statistics tabulations on immigration and naturalization. Earlier figures on population and migration are given in *Historical Statistics of Hawaii*, Sections 1 and 3. Comparable national statistics on population and migration appear in Section 1 of the *Statistical Abstract of the United States: 2012*.

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**Table 1.01-- POPULATION OF COUNTIES: 1831 TO 2010**

[Population counts from missionary censuses of 1831-1832 and 1835-1836, censuses conducted by the Hawaiian government from 1850 to 1896, and censuses by the U.S. Bureau of the Census beginning in 1900. Data for 1831-1896 are on a de facto or unspecified basis; data for 1900 and later years are resident totals, including armed forces stationed in Hawaii. Based on county boundaries established in 1905 and 1909]

Census date	Total population		City & County of Honolulu	Hawaii County	Kauai County	Maui County 2/
	Number	Percent change 1/				
1831-32 3/	130,313	(X)	29,755	45,792	12,024	42,742
1835-36 4/	108,579	-4.6	27,809	39,364	9,927	31,479
1850: January	84,165	-1.8	25,440	25,864	7,670	25,191
1853: Dec. 26	73,138	-3.5	19,126	24,450	7,781	21,781
1860: Dec. 24	69,800	-0.7	21,275	21,481	7,134	19,910
1866: Dec. 7	62,959	-1.7	19,799	19,808	6,624	16,728
1872: Dec. 27	56,897	-1.7	20,671	16,001	5,194	15,031
1878: Dec. 27	57,985	0.3	20,236	17,034	5,811	14,904
1884: Dec. 27	80,578	5.5	28,068	24,991	8,935	18,584
1890: Dec. 28	89,990	1.8	31,194	26,754	11,859	20,183
1896: Sept. 27	109,020	3.3	40,205	33,285	15,392	20,138
1900: June 1	154,001	9.4	58,504	46,843	20,734	27,920
1910: April 15	191,874	2.2	81,993	55,382	23,952	30,547
1920: January 1	255,881	3.0	123,496	64,895	29,438	38,052
1930: April 1	368,300	3.6	202,887	73,325	35,942	56,146
1940: April 1	422,770	1.4	257,696	73,276	35,818	55,980
1950: April 1	499,794	1.7	353,020	68,350	29,905	48,519
1960: April 1	632,772	2.4	500,409	61,332	28,176	42,855
1970: April 1	769,913	2.0	630,528	63,468	29,761	46,156
1980: April 1	964,691	2.3	762,565	92,053	39,082	70,991
1990: April 1	1,108,229	1.4	836,231	120,317	51,177	100,504
2000: April 1	1,211,537	0.9	876,156	148,677	58,463	128,241
2010: April 1	1,360,301	1.2	953,207	185,079	67,091	154,924

X Not applicable.

1/ Annual rate since the preceding census, based on the formula for continuous compounding.

2/ Maui County including Kalawao County.

3/ Total population also reported as 129,814.

4/ Total population also reported as 108,393 and 108,568.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), pp. 11-14; U.S. Bureau of the Census, *1980 Census of Population*, PC80-1-A13 (October 1981), table 2; U.S. Bureau of the Census, *1990 Census of Population and Housing*, 1990 CPH-1-13 (August 1991), table 2; U.S. Bureau of the Census, *Census 2000 Redistricting Data (P.L. 94-171) Summary File* (March 19, 2001); and U.S. Bureau of the Census, *2010 Census Redistricting Data (Public Law 94-171) Summary File* (February 2011).

**Table 1.02-- CHARACTERISTICS OF THE POPULATION: 1831 TO 2010**

[See headnote to table 1.01]

Year	Percent urban	Males per 100 females	Percent under 15 years old	Percent white 1/	Percent born in Hawaii	Persons per household 2/
1831-32	10.3	105.3	26.1	(NA)	(NA)	(NA)
1835-36	12.0	(NA)	(NA)	(NA)	(NA)	(NA)
1850	17.2	110.1	(NA)	(NA)	(NA)	(NA)
1853	15.7	113.1	(NA)	2.3	97.5	(NA)
1860	20.5	116.1	(NA)	2.7	(NA)	(NA)
1866	21.5	120.4	26.5	3.8	(NA)	(NA)
1872	26.1	125.4	27.8	5.2	92.1	(NA)
1878	24.3	142.8	28.1	6.5	83.6	(NA)
1884	25.4	177.5	28.0	20.6	57.4	(NA)
1890	25.5	187.7	26.1	21.0	53.5	(NA)
1896	27.4	198.7	27.7	20.6	48.8	(NA)
1900	25.5	223.3	22.6	17.3	38.3	3.71
1910	30.7	178.9	29.5	20.4	45.1	(NA)
1920	36.1	144.3	35.5	19.2	53.3	(NA)
1930	53.7	152.8	36.2	20.0	58.2	(NA)
1940	62.5	137.6	30.9	24.5	65.8	4.46
1950	69.0	121.2	31.2	23.0	71.1	4.14
1960	76.5	114.8	34.4	32.0	66.6	3.87
1970	83.5	108.1	30.0	39.2	59.2	3.59
1980	86.5	105.2	23.4	34.4	57.8	3.15
1990	89.0	103.6	21.5	33.4	56.1	3.01
2000	91.6	101.0	20.3	3/ 39.3	56.9	2.92
2010	(NA)	100.3	18.5	3/ 41.5	(NA)	2.89

NA Not available.

1/ Includes Portuguese and most Puerto Ricans. Data from 1970 onward also include some persons of mixed race.

2/ Based on population in households. Partly estimated for 1940.

3/ The Census 2000 onward allowed respondents to select one or more races. Data include persons selecting white race alone or in combination with one or more of the other four major race groups, which are Black or African American, American Indian and Alaska Native, Asian, Native Hawaiian and Other Pacific Islander as well as the residual category of some other race.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), pp. 8, 20, 25, 33, and 90; U.S. Bureau of the Census, *1980 Census of Population, General Population Characteristics, Hawaii*, PC80-1-B13 (July 1982), tables 14, 17, and 20, and *General Social and Economic Characteristics, Hawaii*, PC80-1-C13 (June 1983), table 61; U.S. Bureau of the Census, *1990 Census of Population and Housing, Summary Population and Housing Characteristics, Hawaii*, 1990 CPH-1-13 (August 1991), tables 3 and 5, and *Population and Housing Unit Counts, Hawaii*, 1990 CPH-2-13 (March 1993), table 1; U.S. Bureau of the Census, *1990 Census of Population, General Population Characteristics, Hawaii*, 1990 CP-1-13 (June 1992), table 17, and *Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 23; U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001), Census 2000 Summary File 3 Hawaii (September 25, 2002) and 2010 Census Summary File 1 Hawaii (June 16, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 23, 2011, calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.03-- RESIDENT POPULATION, BY MILITARY STATUS:  
2000 TO 2015**

[Based on place of usual residence, regardless of physical location on the estimate or census date. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present]

Date	Total resident population 1/	Armed forces 2/	Civilian population		
			All civilians 1/	Military dependents 3/	Not military dependents 1/
2000: April 1	1,211,537	43,496	1,168,041	42,450	1,125,591
July 1	1,213,519	44,448	1,169,071	44,541	1,124,530
2001: July 1	1,225,948	43,802	1,182,146	52,906	1,129,240
2002: July 1	1,239,613	44,512	1,195,101	49,044	1,146,057
2003: July 1	1,251,154	43,938	1,207,216	49,771	1,157,445
2004: July 1	1,273,569	34,370	1,239,199	48,883	1,190,316
2005: July 1	1,292,729	40,371	1,252,358	48,286	1,204,072
2006: July 1	1,309,731	41,757	1,267,974	54,447	1,213,527
2007: July 1	1,315,675	34,891	1,280,784	57,717	1,223,067
2008: July 1	1,332,213	37,522	1,294,691	61,835	1,232,856
2009: July 1	1,346,717	37,527	1,309,190	57,595	1,251,595
2010: April 1 4/	1,360,301	40,801	1,319,500	5/ 65,063	1,254,437
July 1	1,363,980	39,419	1,324,561	62,322	1,262,239
2011: July 1	1,378,227	39,826	1,338,401	59,849	1,278,552
2012: July 1	1,392,641	43,113	1,349,528	60,271	1,289,257
2013: July 1	1,408,765	46,183	1,362,582	60,490	1,302,092
2014: July 1	1,420,257	47,221	1,373,036	63,228	1,309,808
2015: July 1	1,431,603	48,212	1,383,391	64,493	1,318,898

1/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present. Population estimates for 2000 through 2009 were based upon the April 1, 2010 figures released on September 28, 2011. Figures for "all civilians" and for "civilian population - not military dependent" may also differ from earlier figures as a result of these population revisions.

2/ These figures are the estimates developed by the U.S. Census Bureau. The figures in this table for July 1, 2000 to July 1, 2009 were based on the Census 2000 data. Figures for April 1, 2010 onward were based on the 2010 Census data. They may differ somewhat from corresponding figures from the previous year's *Data Book* or from other sources.

3/ Dependents living in Hawaii, regardless of location of family head.

4/ The April 1, 2010 Population Estimate base was used for the April 1 figures. They reflect changes to the April 1, 2010 population due to the Count Resolution Program and the geographic program revisions.

5/ DBEDT estimate for the number of military dependents on April 1, 2010. The "not military dependents" figure on April 1, 2010 is the residual of this DBEDT estimated "military dependents" figure subtracted from the "all civilians" figure.

Continued on next page.

**Table 1.03-- RESIDENT POPULATION, BY MILITARY STATUS:  
2000 to 2015 -- Con.**

Source: U.S. Census Bureau, Population Division, "Table 1. Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 28, 2011) <<http://www.census.gov/popest/data/intercensal/state/state2010.html>> accessed September 28, 2011; "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015" (NST-EST2015-01) (Dec. 22, 2015) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed December 22, 2015; "Annual Estimates of the Civilian Population by Single Year of Age and Sex for the United States and States: April 1, 2010 to July 1, 2015" (SC-EST2015-AGESEX-CIV) (June 23, 2016) <<http://www.census.gov/popest/data/datasets.html>> accessed June 23, 2016, and records; U.S. Census Bureau, decennial censuses; and Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers and calculations.

**Table 1.04-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 2000 TO 2015**

Date	Resident population 1/		De facto population 2/		De facto-resident ratio 2/
	Total	Temporarily absent 3/	Total	Visitors present 4/	
2000: April 1	1,211,537	42,021	1,337,991	168,475	1.104
July 1	1,213,519	46,151	1,336,005	168,637	1.101
2001: July 1	1,225,948	46,566	1,337,629	158,247	1.091
2002: July 1	1,239,613	46,757	1,353,051	160,195	1.092
2003: July 1	1,251,154	53,447	1,358,755	161,048	1.086
2004: July 1	1,273,569	57,481	1,387,569	171,481	1.090
2005: July 1	1,292,729	65,674	1,412,500	185,445	1.093
2006: July 1	1,309,731	68,656	1,430,516	189,441	1.092
2007: July 1	1,315,675	71,626	1,433,461	189,412	1.090
2008: July 1	1,332,213	72,080	1,432,620	172,487	1.075
2009: July 1	1,346,717	69,243	1,442,556	165,082	1.071
2010: July 1	1,363,980	73,217	1,468,712	177,949	1.077
2011: July 1	1,378,227	73,863	1,490,188	185,824	1.081
2012: July 1	1,392,641	75,985	1,517,923	201,267	1.090
2013: July 1	1,408,765	68,946	1,542,695	202,876	1.095
2014: July 1	1,420,257	5/ 64,898	1,561,576	5/ 206,217	1.100
2015: July 1	1,431,603	62,389	1,583,148	213,934	1.106

1/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present. Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures. These revisions were released on September 28, 2011. Population estimates after 2009 were based on data released December 22, 2015 and may differ somewhat from earlier figures cited in other tables.

2/ The de facto population is defined as the number of persons physically present in an area, regardless of military status or usual place of residence. It includes visitors present but excludes residents temporarily absent, both calculated as an average daily census. De facto population estimates after July 2010 may differ somewhat from earlier figures cited in other tables due to revised population estimates released during the year. As a result of revisions to the resident and de facto population figures, the de facto-resident ratio may also differ from earlier figures cited in other tables.

3/ Figures reflect changes in research methodology by the Hawaii State Department of Business, Economic Development & Tourism in November 2000.

4/ Average daily census. Figures reflect changes in research methodology by the Hawaii State Department of Business, Economic Development & Tourism in November 2000.

5/ Revised from previous *Data Book*.

Source: U.S. Census Bureau, Population Division, "Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 28, 2011) <<http://www.census.gov/popest/data/intercensal/>> accessed October 4, 2011 and "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015" (NST-EST2015-01) (December 22, 2015) <<http://www.census.gov/popest/data/state/totals/2015/tables/NST-EST2015-01.xlsx>> accessed December 22, 2015; Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch; Hawaii Tourism Authority, Tourism Research; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.05-- RESIDENT POPULATION OF ISLANDS: 1970 TO 2010-2014**

[Based on where a person lives and sleeps most of the time. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present. Data for 2010-2014 are estimates and based on a sample; all others are from the decennial censuses]

Island	1970	1980	1990	2000	2010	2010-2014
State of Hawaii	769,913	964,691	1,108,229	1,211,537	1,360,301	1,392,704
Hawaii	63,468	92,053	120,317	148,677	185,079	189,382
Kahoolawe	-	-	-	-	-	-
Maui 1/	38,691	62,823	91,361	117,644	144,444	148,403
Lanai	2,204	2,119	2,426	3,193	3,135	3,526
Molokai	5,261	6,049	6,717	7,404	7,345	6,958
Oahu 2/	630,497	762,534	836,231	876,151	953,207	975,690
Kauai	29,524	38,856	50,947	58,303	66,921	68,745
Niihau 3/	237	226	230	160	170	(3/)
Northwestern Hawaiian Islands	31	31	(4/)	5	-	-
Necker Island	(NA)	-	-	5	-	-
French Frigate Shoals	(NA)	4	-	-	-	-
Laysan Island	(NA)	5	-	-	-	-
Kure Atoll	(NA)	22	(4/)	-	-	-
Other islands 5/	(NA)	-	-	-	-	-
Other Islands (Not legally part of the state)	3,227	780	186	(NA)	(NA)	(NA)
Midway Islands	2,220	453	13	(NA)	(NA)	(NA)
Baker Island	-	-	-	(NA)	(NA)	(NA)
Howland Island	-	-	-	(NA)	(NA)	(NA)
Jarvis Island	-	-	-	(NA)	(NA)	(NA)
Johnston Atoll	1,007	327	173	(NA)	(NA)	(NA)
Kingman Reef	-	-	-	(NA)	(NA)	(NA)
Palmyra Atoll	-	-	-	(NA)	(NA)	(NA)

NA Not available.

1/ Including Molokini (uninhabited) and Kalawao County.

2/ Including Sand Island (56 in 1970, 60 in 1980, 25 in 1990), Mokauea Island (12 in 1970, 11 in 1980, uninhabited in 1990), Ford Island (798 in 1970, 522 in 1980, 233 in 1990), and Moku o Loe (uninhabited in 1970, 16 in 1980, 6 in 1990). The combined total for Sand Island and Mokauea Island in 1960 was 36. These offshore islands were not reported separately in other years.

3/ Including Lehua and Kaula, uninhabited. In the source 2010-2014 estimate table, the population was shown as zero. There was, however, actually no response from the people surveyed on that island.

4/ Reported as uninhabited by the 1990 Census but with 24 by the U.S. Coast Guard.

5/ Nihoa, Gardner Pinnacles, Maro Reef, Lisianski Island, and Pearl and Hermes Atoll.

Source: U.S. Bureau of the Census, decennial census bulletins on number of inhabitants, census tracts, and block statistics, 1940-1990, and 1990 census printouts and tapes; U.S. Coast Guard, records (for Kure Atoll in 1990); and U.S. Census Bureau, Census 2000 and 2010 Redistricting Data (Public Law 94-171) Summary File and 2010-2014 ACS 5-year estimates.

**Table 1.06-- RESIDENT POPULATION, BY COUNTY: 2000 TO 2015**

[Based on place of usual residence, regardless of physical location on the estimate or census date. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present]

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
2000: April 1 2/	1,211,537	876,156	148,677	58,463	128,241
July 1 3/	1,213,519	876,629	149,244	58,568	129,078
2001: July 1 3/	1,225,948	882,755	151,690	59,075	132,428
2002: July 1 3/	1,239,613	890,473	154,576	59,981	134,583
2003: July 1 3/	1,251,154	894,311	158,442	60,805	137,596
2004: July 1 3/	1,273,569	907,997	162,852	62,095	140,625
2005: July 1 3/	1,292,729	918,181	168,237	62,863	143,448
2006: July 1 3/	1,309,731	926,954	173,536	63,465	145,776
2007: July 1 3/	1,315,675	925,335	177,733	64,490	148,117
2008: July 1 3/	1,332,213	933,680	181,506	65,603	151,424
2009: July 1 3/	1,346,717	943,177	183,629	66,518	153,393
2010: April 1 2/	1,360,301	953,207	185,079	67,091	154,924
July 1	1,363,980	956,377	185,326	67,209	155,068
2011: July 1	1,378,227	966,581	186,961	67,794	156,891
2012: July 1	1,392,641	976,711	188,780	68,551	158,599
2013: July 1	1,408,765	986,802	191,224	69,703	161,036
2014: July 1	1,420,257	992,082	194,016	70,672	163,487
2015: July 1	1,431,603	998,714	196,428	71,735	164,726

1/ Including Kalawao County (Kalaupapa Settlement). Kalawao had 147 in 2000, 90 in 2010 and 89 in 2015.

2/ Decennial census figure.

3/ Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011. Population estimates after April 1, 2010 were based on revisions released in March 2016 and may differ somewhat from earlier figures cited in other tables.

Source: U.S. Bureau of the Census, Federal-State Cooperative Program for Population Estimates, "Table 1. Intercensal Estimates of the Resident Population for Counties of Hawaii: April 1, 2000 to July 1, 2010" (CO-EST00INT-01-15)

<<http://www.census.gov/popest/data/intercensal/county/tables/CO-EST00INT-01/CO-EST00INT-01-15.xls>> accessed September 28, 2011 and "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2015" (PEPANNRES) (released March 24, 2016)

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed March 24, 2016.

**Table 1.07 -- PERCENTAGE CHANGE IN RESIDENT POPULATION,  
BY COUNTY: 2000 TO 2015**

[July 1 population. Based on place of usual residence, regardless of physical location on the estimate or census date. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present]

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Growth from previous year:					
2000 2/	0.3	-0.3	1.5	0.5	2.3
2001 2/	1.0	0.7	1.6	0.9	2.6
2002 2/	1.1	0.9	1.9	1.5	1.6
2003 2/	0.9	0.4	2.5	1.4	2.2
2004 2/	1.8	1.5	2.8	2.1	2.2
2005 2/	1.5	1.1	3.3	1.2	2.0
2006 2/	1.3	1.0	3.1	1.0	1.6
2007 2/	0.5	-0.2	2.4	1.6	1.6
2008 2/	1.3	0.9	2.1	1.7	2.2
2009 2/	1.1	1.0	1.2	1.4	1.3
2010 2/	1.3	1.4	0.9	1.0	1.1
2011	1.0	1.1	0.9	0.9	1.2
2012	1.0	1.0	1.0	1.1	1.1
2013	1.2	1.0	1.3	1.7	1.5
2014	0.8	0.5	1.5	1.4	1.5
2015	0.8	0.7	1.2	1.5	0.8
Annual growth rate:					
2005-2010	1.1	0.8	2.0	1.3	1.6
2000-2010	1.2	0.9	2.2	1.4	1.9
2010-2015	1.0	0.9	1.2	1.3	1.2

1/ Maui County includes Kalawao County.

2/ Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011. Population estimates after April 1, 2010 were based on revisions released in March 2016 and may differ somewhat from earlier figures cited in other tables.

Source: U.S. Bureau of the Census, Federal-State Cooperative Program for Population Estimates, "Table 1. Intercensal Estimates of the Resident Population for Counties of Hawaii: April 1, 2000 to July 1, 2010" (CO-EST00INT-01-15)

<<http://www.census.gov/popest/data/intercensal/county/tables/CO-EST00INT-01/CO-EST00INT-01-15.xls>> accessed September 28, 2011 and "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2015" (PEPANNRES) (released March 24, 2016)

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed March 24, 2016.

**Table 1.08 -- COUNTY POPULATION AS A SHARE OF THE STATE  
TOTAL: 2000 TO 2015**

[In percent; based on place of usual residence, regardless of physical location on the estimate or census date. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present]

<b>Date</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
2000: April 1 2/	72.3	12.3	4.8	10.6
July 1 3/	72.2	12.3	4.8	10.6
2001: July 1 3/	72.0	12.4	4.8	10.8
2002: July 1 3/	71.8	12.5	4.8	10.9
2003: July 1 3/	71.5	12.7	4.9	11.0
2004: July 1 3/	71.3	12.8	4.9	11.0
2005: July 1 3/	71.0	13.0	4.9	11.1
2006: July 1 3/	70.8	13.2	4.8	11.1
2007: July 1 3/	70.3	13.5	4.9	11.3
2008: July 1 3/	70.1	13.6	4.9	11.4
2009: July 1 3/	70.0	13.6	4.9	11.4
2010: April 1 2/	70.1	13.6	4.9	11.4
July 1 3/	70.1	13.6	4.9	11.4
2011: July 1 3/	70.1	13.6	4.9	11.4
2012: July 1 3/	70.1	13.6	4.9	11.4
2013: July 1 3/	70.0	13.6	4.9	11.4
2014: July 1 3/	69.9	13.7	5.0	11.5
2015: July 1 3/	69.8	13.7	5.0	11.5

1/ Maui County includes Kalawao County.

2/ Decennial census figure.

3/ Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011. Population estimates after April 1, 2010 were based on revisions released in March 2016 and may differ somewhat from earlier figures cited in other tables.

Source: U.S. Bureau of the Census, Federal-State Cooperative Program for Population Estimates, "Table 1. Intercensal Estimates of the Resident Population for Counties of Hawaii: April 1, 2000 to July 1, 2010" (CO-EST00INT-01-15)

<<http://www.census.gov/popest/data/intercensal/county/tables/CO-EST00INT-01/CO-EST00INT-01-15.xls>> accessed September 28, 2011 and "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2015" (PEPANNRES) (released March 24, 2016)

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed March 24, 2016.

**Table 1.09-- DE FACTO POPULATION, BY COUNTY: 2000 TO 2015**

[Includes all persons physically present in an area, regardless of military status or usual place of residence. Includes visitors present but excludes residents temporarily absent, both calculated as an average daily census. Revised figures for July 1, 2010 through July 1, 2015]

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
2000: April 1	1,337,991	927,174	167,073	75,200	168,544
July 1	1,336,005	926,192	166,429	74,734	168,650
2001: July 1	1,337,629	926,713	168,131	73,940	168,845
2002: July 1	1,353,051	934,070	171,784	74,895	172,302
2003: July 1	1,358,755	931,880	174,683	76,148	176,044
2004: July 1	1,387,569	949,262	180,107	78,167	180,033
2005: July 1	1,412,500	959,340	188,612	79,561	184,987
2006: July 1	1,430,516	967,400	194,008	80,887	188,221
2007: July 1	1,433,461	963,577	196,723	83,286	189,875
2008: July 1	1,432,620	962,908	198,413	81,968	189,331
2009: July 1	1,442,556	972,202	199,047	82,101	189,206
2010: July 1	1,468,712	988,147	202,669	83,516	194,380
2011: July 1	1,490,188	1,000,755	205,598	85,103	198,732
2012: July 1	1,517,923	1,019,495	209,114	87,161	202,153
2013: July 1	1,542,695	1,033,171	212,450	89,645	207,429
2014: July 1	1,561,576	1,042,913	216,239	90,772	211,652
2015: July 1	1,583,148	1,054,384	220,342	92,983	215,439

1/ Maui County including Kalawao County. The 2015 de facto population of Kalawao County, which is the Kalaupapa Settlement on Molokai, was 89.

Source: U.S. Census Bureau, Population Division, "Table 1. Intercensal Estimates of the Resident Population for Counties of Hawaii: April 1, 2000 to July 1, 2010" (CO-EST00INT-01-15) (September 28, 2011) <<http://www.census.gov/popest/intercensal/county/CO-EST00INT-01.html>> accessed October 4, 2011; "Table 1. Annual Estimates of the Resident Population for Counties of Hawaii: April 1, 2010 to July 1, 2015" (PEPANNRES) (March 2016) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed March 24, 2016; Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch; Hawaii Tourism Authority, Tourism Research, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.10-- RESIDENT AND DE FACTO POPULATION, BY COUNTY AND ISLAND: 1990 AND 2000**

County and island	Resident population 1/			De facto population 2/		
	April 1, 1990	April 1, 2000	Percent change	April 1, 1990	April 1, 2000	Percent change
State total	1,108,229	1,211,537	9.3	1,248,360	1,337,991	7.2
County						
Hawaii	120,317	148,677	23.6	135,080	167,073	23.7
Maui 3/	100,504	128,241	27.6	137,298	168,544	22.8
Honolulu	836,231	876,156	4.8	908,019	927,173	2.1
Kauai	51,177	58,463	14.2	67,963	75,200	10.6
Island						
Hawaii	120,317	148,677	23.6	135,080	167,073	23.7
Maui	91,361	117,644	28.8	126,992	156,170	23.0
Kahoolawe	-	-	(X)	-	-	(X)
Lanai	2,426	3,193	31.6	2,629	4,243	61.4
Molokai	6,717	7,404	10.2	7,677	8,131	5.9
Oahu 4/	836,231	876,156	4.8	908,019	927,173	2.1
Kauai	50,947	58,303	14.4	67,737	75,040	10.8
Niihau	230	160	-30.4	226	160	-29.2

X Not applicable.

1/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present.

2/ The de facto population is defined as the number of persons physically present in an area, regardless of military status or usual place of residence. It includes visitors present but excludes residents temporarily absent, both calculated as an average daily census.

3/ Maui County includes Kalawao County.

4/ Includes the Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, except Midway (24 people in 1990 who were not counted in the official census and 5 in 2000 who were counted in the official census).

Source: U.S. Bureau of the Census, 1990 Public Law 94-171 counts; U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001); Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch, records.

**Table 1.11-- LAND AREA AND POPULATION DENSITY,  
BY COUNTY AND ISLAND: 2010**

County and island	Resident population 1/	Land area		Resident population density	
		Square km.	Square miles 2/	Per square km.	Per square mile
State total	1,360,301	16,634.53	6,422.63	81.8	211.8
County					
Honolulu	953,207	1,555.92	600.74	612.6	1,586.7
Hawaii	185,079	10,433.55	4,028.42	17.7	45.9
Maui 3/	154,924	3,039.38	1,173.51	51.0	132.0
Kauai	67,091	1,605.68	619.96	41.8	108.2
Island					
Oahu	953,207	1,547.88	597.64	615.8	1,594.9
Hawaii	185,079	10,433.55	4,028.42	17.7	45.9
Maui	144,444	1,999.45	771.99	72.2	187.1
Lanai	3,135	365.36	141.07	8.6	22.2
Molokai	7,345	674.58	260.46	10.9	28.2
Kauai	66,921	1,430.59	552.35	46.8	121.2
Niihau	170	175.09	67.60	1.0	2.5
Northwestern Hawaiian Islands 4/	-	8.03	3.10	-	-

1/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present.

2/ Square kilometers converted to square miles by dividing by 2.589988.

3/ Maui County includes Kalawao County.

4/ Includes the Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, except Midway.

Source: U.S. Census Bureau, 2010 Census Redistricting Data (Public Law 94-171) Summary File (February 2011); calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.12-- RESIDENT POPULATION OF COUNTIES AND DISTRICTS: 1990 TO 2010-2014**

[Data for 2010-2014 based on a sample and subject to sampling variability. The figures displayed are the average values over the 5-year period of 2010 to 2014. Earlier data are from the decennial censuses]

<b>County and district (see maps)</b>	<b>April 1, 1990</b>	<b>April 1, 2000</b>	<b>April 1, 2010</b>	<b>2010-2014</b>
State total	1,108,229	1,211,537	1,360,301	1,392,704
Hawaii County	120,317	148,677	185,079	189,382
Puna	20,781	31,335	45,326	44,382
South Hilo	44,639	47,386	50,927	51,744
North Hilo	1,541	1,720	2,041	1,898
Hamakua	5,545	6,108	6,513	7,720
North Kohala	4,291	6,038	6,322	6,550
South Kohala	9,140	13,131	17,627	18,189
North Kona	22,284	28,543	37,875	40,480
South Kona	7,658	8,589	9,997	10,750
Ka'u	4,438	5,827	8,451	7,669
Maui County 1/	100,504	128,241	154,924	158,887
Hana	1,895	1,855	2,291	1,898
Makawao	29,207	36,476	41,887	42,213
Wailuku	45,685	61,346	78,110	82,418
Lahaina	14,574	17,967	22,156	21,874
Lanai	2,426	3,193	3,135	3,526
Molokai	6,587	7,257	7,255	6,885
Kalawao	130	147	90	73
City & Co. of Honolulu	836,231	876,156	953,207	975,690
Honolulu	377,059	372,279	390,738	398,714
Koolaupoko	117,694	117,994	115,164	116,853
Koolauloa	18,443	18,899	21,406	20,340
Waialua	11,549	14,027	13,046	13,197
Wahiawa	43,886	38,370	41,216	45,469
Waianae	37,411	42,259	48,519	47,774
Ewa	230,189	272,328	323,118	333,343
Kauai County	51,177	58,463	67,091	68,745
Hanalei	4,631	6,348	7,828	7,754
Kawaihau	15,627	18,525	20,992	21,312
Lihue	10,663	12,022	14,683	16,550
Koloa	11,368	12,845	14,086	14,418
Waimea	8,888	8,723	9,502	8,711

1/ Including Kalawao County.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing, Population and Housing Unit Counts, Hawaii*, 1990 CPH-2-13; U.S. Census Bureau, Census 2000 and 2010 Redistricting Data (Public Law 94-171) Summary File, and the 2010-2014 American Community Survey 5-Year Estimates <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 27, 2016.

**Table 1.13-- RESIDENT POPULATION OF ISLANDS AND  
CENSUS DESIGNATED PLACES: 2010-2014**

[This table presents data for the 151 "census designated places" defined by the Hawaii State Department of Business, Economic Development & Tourism, in cooperation with the U.S. Census Bureau and the county planning departments, for the 2010 decennial census, under authority granted by Sec. 26-18, 'Hawaii Revised Statutes. Although described in the legislation as "cities, towns, and villages," none of these places is an independent municipality with separate government and taxing powers; the boundaries determined for these places are statistical rather than political. Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2010 to 2014]

Island and 2010 place	Resident population	House-holds	Island and 2010 place	Resident population	House-holds
Hawaii	189,382	64,586	Hawaii (con.)		
Ainaloa	3,645	1,143	Nanawale Estates	1,661	602
Captain Cook	4,265	1,332	Orchidlands Estates	3,315	1,025
Discovery Harbour	1,073	514	Paauiolo	651	210
Eden Roc	690	257	Pahala	1,291	387
Fern Acres	1,338	518	Pahoa	862	295
Fern Forest	720	305	Papaikou	1,194	392
Halaula	562	139	Paukaa	480	191
Hawaiian Acres	2,155	835	Pepeekeo	1,817	574
Hawaiian Beaches	4,467	1,378	Puako	724	328
Hawaiian Ocean View	3,927	1,552	Volcano	2,603	1,091
Hawaiian Paradise Park	11,623	4,221	Waikoloa Village	6,841	2,321
Hawi	1,356	381	Waimea	9,642	3,051
Hilo	44,549	15,091	Wainaku	1,445	450
Holualoa	9,098	3,364	Waiohinu	67	24
Honalo	2,822	816			
Honaunau-Napoopoo	2,792	803	Maui	148,403	49,557
Honokaa	2,522	716	Haiku-Pauwela	7,689	2,857
Honomu	409	189	Haliimaile	928	265
Kahaluu-Keauhou	3,807	1,399	Hana	1,158	335
Kailua	12,727	4,143	Kaanapali	1,354	566
Kalaoa	10,257	3,599	Kahului	27,339	7,016
Kapaau	1,667	501	Kapalua	363	160
Keaau	2,541	667	Keokea	1,855	617
Kealakekua	1,953	693	Kihei	22,314	8,196
Kukuihaele	396	103	Kula	6,687	2,580
Kurtistown	973	360	Lahaina	11,941	3,472
Laupahoehoe	575	223	Launiupoko	575	212
Leilani Estates	1,729	745	Maalaea	326	205
Mountain View	3,078	1,148	Mahinahina	1,049	425
Naalehu	923	217	Makawao	6,674	2,317

Continued on next page.

**Table 1.13-- RESIDENT POPULATION OF ISLANDS AND  
CENSUS DESIGNATED PLACES: 2010-2014 -- Con.**

Island and 2010 place	Resident population	Households	Island and 2010 place	Resident population	Households
Maui (con.)			Oahu (con.)		
Makena	99	45	Kalaeloa	149	18
Napili-Honokowai	6,491	2,729	Kaneohe	33,443	10,763
Olinda	1,302	477	Kaneohe Station	11,342	2,658
Olowalu	69	28	Kapolei	16,890	4,565
Paia	2,542	770	Kawela Bay	288	139
Pukalani	8,067	2,873	Ko Olina	1,976	877
Waihee-Waiehu	9,663	2,399	Laie	5,447	915
Waikapu	3,689	1,028	Mali	9,399	2,242
Wailea	6,107	2,743	Makaha	8,663	2,411
Wailuku	16,196	5,731	Makaha Valley	1,307	500
			Makakilo	19,819	5,655
Lanai	3,526	1,142	Maunawili	2,114	679
Lanai City	3,514	1,134	Mililani Mauka	21,051	7,105
Manele	12	8	Mililani Town	28,217	9,014
			Mokuleia	1,670	725
Molokai	6,958	2,478	Nanakuli	12,181	2,582
Kaunakakai	3,239	1,240	Ocean Pointe	10,502	3,152
Kualapuu	2,061	595	Pearl City	47,277	14,004
Maunaloa	394	119	Punалу	1,102	410
Ualapu'e	445	157	Pupukea	5,498	1,571
			Royal Kunia	14,779	4,055
Oahu	975,690	310,141	Schofield Barracks	19,525	4,366
Ahuimanu	8,728	2,857	Urban Honolulu	345,130	127,929
Aiea	9,181	2,685	Wahiawa	17,473	5,676
East Honolulu	48,926	17,048	Waialua	3,929	1,177
Ewa Beach	14,291	3,053	Waianae	12,694	2,941
Ewa Gentry	22,663	6,816	Waikane	871	230
Ewa Villages	7,141	1,368	Waikele	7,868	2,881
Halawa	14,363	4,168	Waimalu	12,680	5,378
Haleiwa	3,883	1,190	Waimanalo	5,807	1,323
Hauula	3,767	945	Waimanalo Beach	4,439	1,022
Heeia	4,713	1,472	Waipahu	40,532	8,310
Hickam Housing	8,573	2,381	Waipio	11,424	3,948
Iroquois Point	3,639	1,186	Waipio Acres	4,807	1,814
Kaaawa	1,110	380	West Loch Estate	5,971	1,639
Kahaluu	4,514	1,227	Wheeler AFB	2,541	825
Kahuku	2,391	543	Whitmore Village	5,254	1,097
Kailua	39,353	12,962			

Continued on next page.

**Table 1.13-- RESIDENT POPULATION OF ISLANDS AND  
CENSUS DESIGNATED PLACES: 2010-2014 -- Con.**

Island and 2010 place	Resident population	Households	Island and 2010 place	Resident population	Households
Kauai	68,745	22,395	Kauai (con.)		
Anahola	2,122	645	Lawai	2,209	893
Eleele	2,723	791	Lihue	6,955	2,212
Haena	277	124	Omao	1,184	394
Hanalei	320	133	Pakala Village	361	114
Hanamaulu	4,398	1,089	Poipu	1,028	497
Hanapepe	2,488	818	Princeville	2,511	927
Kalaheo	4,127	1,465	Puhi	3,572	984
Kalihiwai	306	108	Wailua	2,361	886
Kapaa	10,582	3,415	Wailua Homesteads	5,521	2,067
Kaumakani	1,007	220	Waimea	1,859	640
Kekaha	2,616	864	Wainiha	145	63
Kilauea	3,441	957			
Koloa	2,806	823	Niihau	(1/)	(1/)

1/ In the source 2010-2014 estimate table, the population was shown as zero. There was, however, actually no response for the people surveyed on that island.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, Tables B01003 and B11001 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 17, 2016.

**Table 1.14-- POPULATION AND PERCENTAGE CHANGE  
RANKINGS: 2010 AND 2015**

[Based on population as of July 1 unless otherwise specified]

Comparison 1/	Resident population, 2015	Ranking		
		Population 2/		Percent change, 2010- 2015 3/
		2010	2015	
State of Hawaii				
Among the 50 States and D.C.	1,431,603	40	40	16
Among the 50 States	1,431,603	40	40	15
Urban Honolulu MSA 4/				
Among all MSAs 5/	998,714	54	54	129
Kahului-Wailuku-Lahaina MSA 6/				
Among all MSAs 5/	164,726	257	253	81
City and County of Honolulu 7/				
Among all counties	998,714	43	46	8/ 470
Among all incorporated places 9/	998,714	9	11	10/ 336
Urban Honolulu CDP 11/				
Among incorporated places 9/	352,769	53	55	12/ 354
Hawaii County 13/	196,428	334	334	14/ 351
Kalawao County 13/	89	15/ 3,141	15/ 3,142	16/ 1,839
Kauai County 13/	71,735	782	753	10/ 296
Maui County 13/	164,637	402	388	17/ 336
Hilo Micropolitan 18/	196,428	3	2	30
Kapaa Micropolitan 18/	71,735	109	96	22

Continued on next page.

**Table 1.14-- POPULATION AND PERCENTAGE CHANGE  
RANKINGS: 2010 AND 2015 -- Con.**

- 1/ MSA, Metropolitan Statistical Area; CDP, Census Designated Place, that is, an unincorporated urban place.
  - 2/ Largest number ranking 1. Rankings for 2010 are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions.
  - 3/ Ranking of the area in regard to 2010-2015 population percent change, greatest percent change ranking 1.
  - 4/ The Urban Honolulu MSA consists of the City and County of Honolulu, comprising Oahu and the Northwestern Hawaiian Islands (except Midway). It was previously known as Honolulu MSA.
  - 5/ Metropolitan Statistical Areas (MSAs) contains a core urban area of 50,000 or more population. There were 381 metropolitan statistical areas in 2015.
  - 6/ The Kahului-Wailuku-Lahaina MSA consists of Maui County and Kalawao County.
  - 7/ The City and County of Honolulu consists of Oahu and the Northwestern Hawaiian Islands (except Midway). There were 3,142 U.S. counties in 2015.
  - 8/ Tied with 16 others.
  - 9/ Among all 758 incorporated places with over 50,000 population in 2015.
  - 10/ Tied with 8 others.
  - 11/ The Honolulu CDP used to consist of Honolulu District, comprising the area between Red Hill and Makapuu Point, south and southwest of the crest of the Koolau Mountains, and the Northwestern Hawaiian Islands (except Midway). In 2010, this CDP was split into three separate CDPs - Urban Honolulu, East Honolulu, and Hickam Housing (a portion of the new CDP).
  - 12/ Tied with 7 others.
  - 13/ Among all 3,142 U.S. counties.
  - 14/ Tied with 10 others.
  - 15/ In 2010, Kalawao County had the second lowest county population in the United States. The county with the lowest population was Loving, Texas with a population of 82. In 2015, Kalawao County had the lowest county population in the United States.
  - 16/ Tied with 32 others.
  - 17/ Tied with 6 others.
  - 18/ Micropolitan statistical areas contains an urban core of at least 10,000 (but less than 50,000) population. Hilo Micropolitan consists of Hawaii County and Kapaa Micropolitan consists of Kauai County. There were 536 micropolitan statistical areas in 2015.
- Source: U.S. Census Bureau, Population Division <<http://www.census.gov/popest/data/index.html>> and <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed through May 19, 2016.

# 2000 NEIGHBORHOOD AREAS

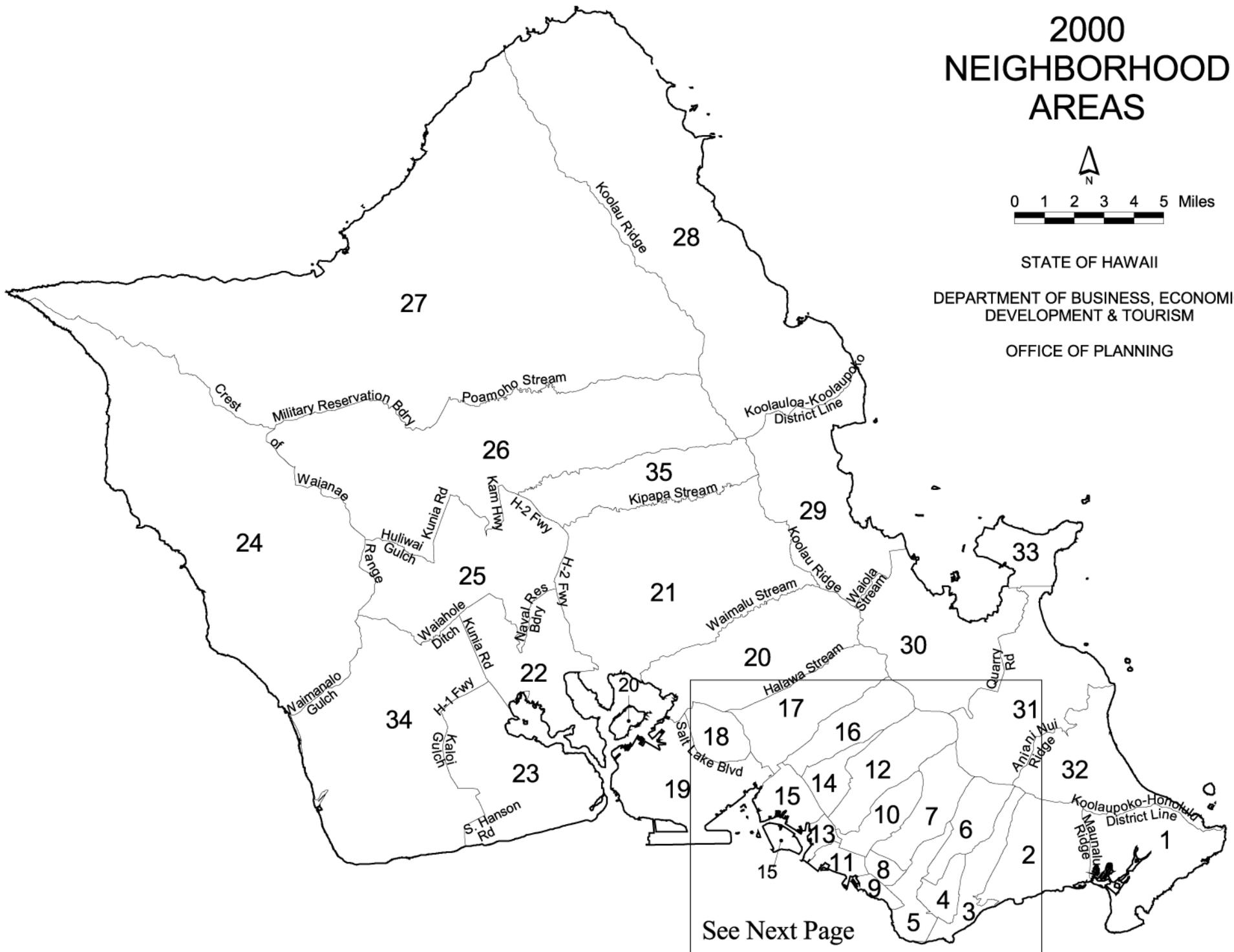


0 1 2 3 4 5 Miles

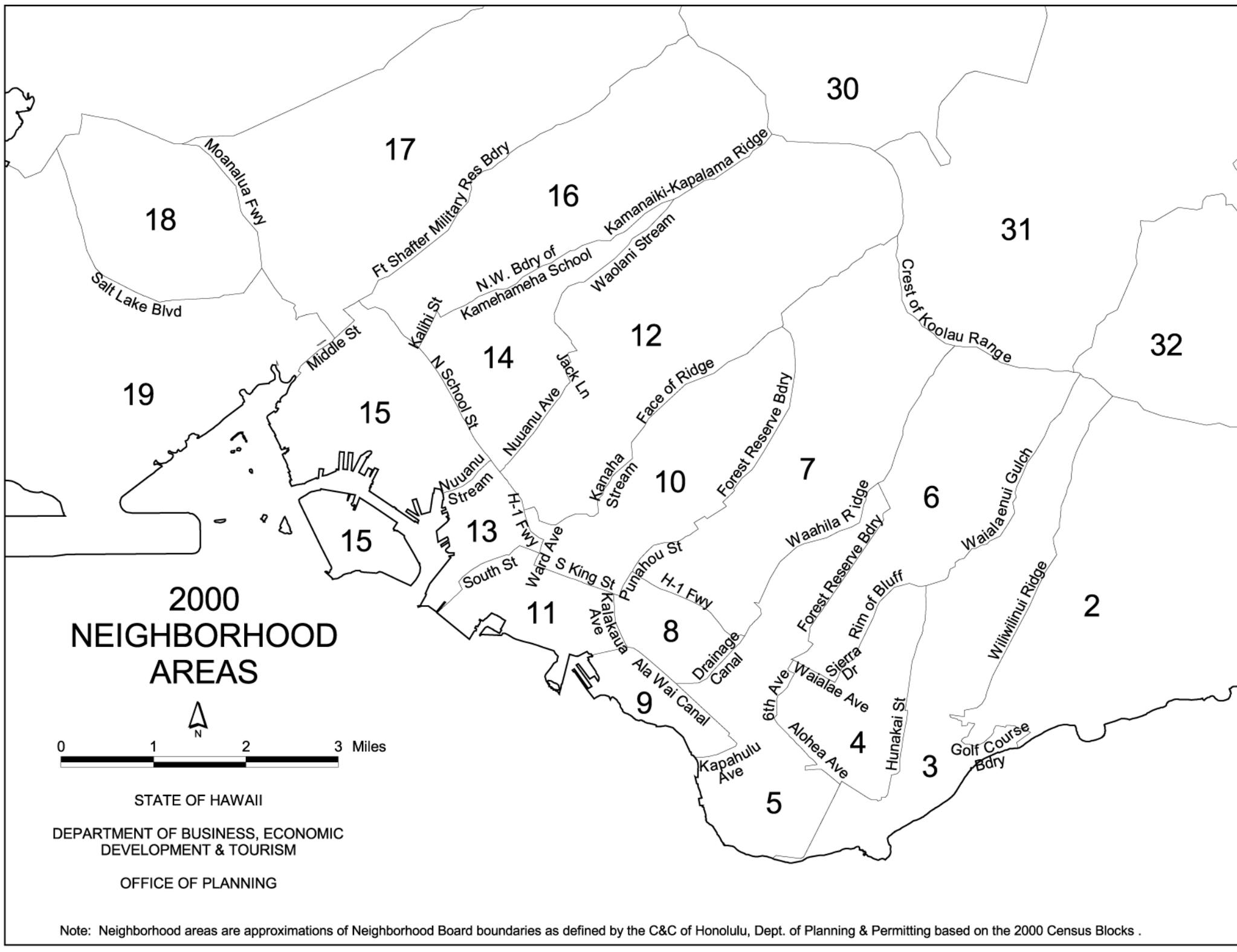
STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC  
DEVELOPMENT & TOURISM

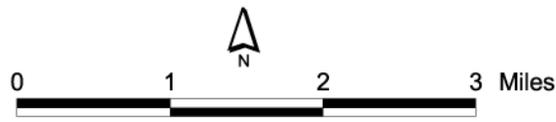
OFFICE OF PLANNING



Note: Neighborhood areas are approximations of Neighborhood Board boundaries as defined by the C&C of Honolulu, Dept. of Planning & Permitting based on the 2000 Census Blocks .



**2000  
NEIGHBORHOOD  
AREAS**



STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC  
DEVELOPMENT & TOURISM

OFFICE OF PLANNING

Note: Neighborhood areas are approximations of Neighborhood Board boundaries as defined by the C&C of Honolulu, Dept. of Planning & Permitting based on the 2000 Census Blocks .

**Table 1.15-- RESIDENT POPULATION FOR OAHU NEIGHBORHOODS:  
2000 AND 2010**

<b>Neighborhood Area 1/ (see maps)</b>	<b>2000 2/</b>	<b>2010 3/</b>	<b>Percent change</b>
Oahu total	876,156	911,841	4.1
1 Hawaii Kai	27,657	29,814	7.8
2 Kuliouou-Kalani Iki	16,105	15,786	-2.0
3 Waialae-Kahala	9,497	9,854	3.8
4 Kaimuki	18,996	18,491	-2.7
5 Diamond Head/Kapahulu/St. Louis Heights	18,138	17,598	-3.0
6 Palolo	12,331	12,039	-2.4
7 Manoa	21,625	21,114	-2.4
8 McCully/Moiliili	26,122	25,734	-1.5
9 Waikiki	19,720	20,095	1.9
10 Makiki/Lower Punchbowl/Tantalus	29,713	29,733	0.1
11 Ala Moana/Kakaako	14,186	19,014	34.0
12 Nuuanu/Punchbowl	16,693	16,303	-2.3
13 Downtown	14,570	15,620	7.2
14 Liliha/Kapalama	20,310	19,766	-2.7
15 Kalihi-Palama	37,987	38,113	0.3
16 Kalihi Valley	17,937	17,412	-2.9
17 Moanalua	10,566	10,245	-3.0
18 Aliamanu/Salt Lake/Foster Village	36,572	35,969	-1.6
19 Airport Area	21,246	20,626	-2.9
20 Aiea	29,320	29,104	-0.7
21 Pearl City	49,345	47,879	-3.0
22 Waipahu	59,284	61,879	4.4
23 Ewa	43,794	59,877	36.7
24 Waianae Coast	41,242	43,420	5.3
25 Mililani/Waipio/Melemanu	36,805	37,419	1.7
26 Wahiawa	38,929	38,690	-0.6
27 North Shore	18,380	17,724	-3.6
28 Koolauloa	14,546	14,156	-2.7
29 Kahaluu	14,391	13,891	-3.5
30 Kaneohe	34,829	33,788	-3.0
31 Kailua	45,718	43,876	-4.0
32 Waimanalo	11,234	11,141	-0.8
33 Mokapu	11,827	11,513	-2.7
34 Makakilo/Kapolei/Honokai Hale	25,919	35,697	37.7
35 Mililani Mauka-Launani Valley	10,622	18,461	73.8

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the neighborhood board boundaries. Neighborhood Board numbers are displayed next to the Neighborhood Board names.

2/ As of April 1, 2000. Year 2000 census data aggregated by traffic zone data. This may differ from data aggregated by census blocks which are shown in Table 1.16.

3/ As of June 30. Estimated population based on traffic zone data.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, records.

**Table 1.16-- POPULATION CHARACTERISTICS OF OAHU  
NEIGHBORHOODS: 2000**

<b>Neighborhood Area (see maps) 1/</b>	<b>Resident popula- tion 2/</b>	<b>Median age</b>	<b>House- holds</b>	<b>Average household size</b>	<b>Average family size</b>
Oahu total	876,156	35.7	286,450	2.95	3.46
1 Hawaii Kai	27,657	42.1	9,666	2.86	3.21
2 Kuliouou-Kalani Iki	16,220	44.7	5,466	2.95	3.31
3 Waialae-Kahala	9,382	46.8	3,538	2.65	3.09
4 Kaimuki	18,063	45.4	6,362	2.78	3.34
5 Diamond Head/Kapahulu/ St. Louis Heights	19,541	42.7	7,858	2.44	3.18
6 Palolo	12,474	41.6	4,141	2.99	3.54
7 Manoa	21,184	39.3	7,051	2.59	3.13
8 McCully/Moiliili	26,122	38.9	12,670	2.04	2.92
9 Waikiki	19,720	42.2	11,397	1.72	2.59
10 Makiki/Lower Punchbowl/ Tantalus	29,639	41.1	14,767	1.97	2.84
11 Ala Moana/Kakaako	14,186	42.9	7,797	1.78	2.65
12 Nuuanu/Punchbowl	17,000	43.3	6,411	2.61	3.31
13 Downtown	14,570	40.9	6,817	1.87	2.78
14 Liliha/Kapalama	19,905	44.4	6,495	2.93	3.58
15 Kalihi-Palama	37,987	36.3	10,258	3.57	4.34
16 Kalihi Valley	17,937	36.5	3,941	4.42	4.93
17 Moanalua	10,566	36.1	3,219	3.08	3.36
18 Aliamanu/Salt Lake/ Foster Village	36,572	33.4	11,732	3.09	3.67
19 Airport	18,163	25.7	5,001	3.32	3.37
20 Aiea	32,403	37.4	10,580	2.89	3.52
21 Pearl City	46,777	37.9	14,010	3.14	3.53
22 Waipahu	64,030	34.1	17,473	3.58	4.10
23 Ewa	43,571	31.2	11,710	3.69	4.13
24 Waianae Coast	42,266	28.5	10,536	3.97	4.47
25 Mililani/Waipio/Melemanu	33,981	35.5	10,861	3.13	3.49
26 Wahiawa	39,553	26.2	10,603	3.30	3.68
27 North Shore	18,380	31.3	5,893	3.05	3.60
28 Koolauloa	14,546	27.6	3,682	3.75	4.40
29 Kahaluu	14,391	36.3	4,384	3.28	3.67
30 Kaneohe	40,790	38.5	12,800	3.14	3.57
31 Kailua	40,830	39.3	13,484	3.00	3.46
32 Waimanalo	10,161	32.4	2,442	4.07	4.53
33 Mokapu	11,827	22.0	2,332	3.21	3.25
34 Makakilo/Kapolei/ Honokai Hale	25,140	31.2	7,221	3.47	3.81
35 Mililani Mauka-Launani Valley	10,622	32.8	3,852	2.76	3.23

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**Table 1.16-- POPULATION CHARACTERISTICS OF OAHU  
NEIGHBORHOODS: 2000 -- Con.**

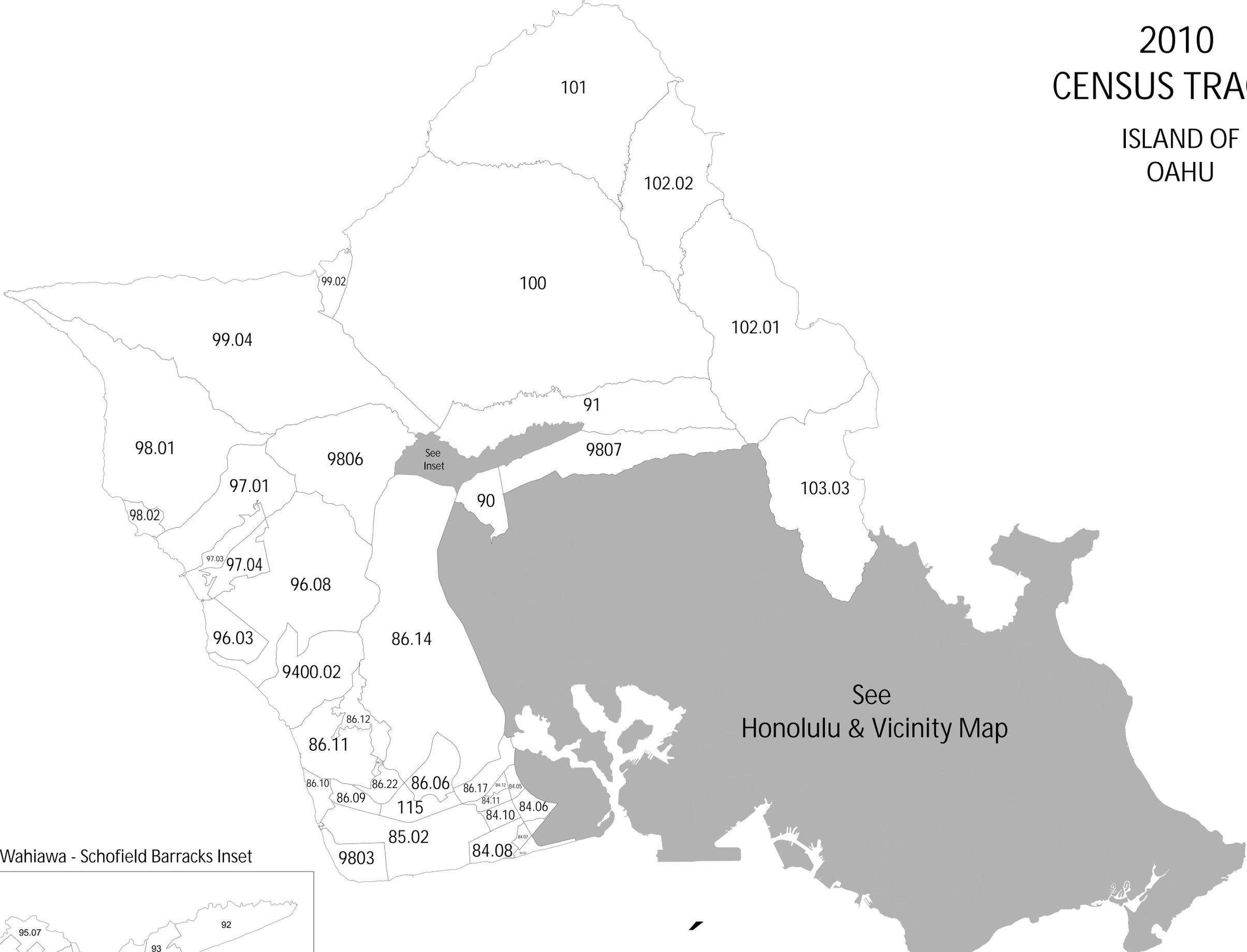
1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the neighborhood board boundaries. Neighborhood area boundaries for 2000 may not be the same as boundaries for 1990.

2/ Year 2000 census data aggregated by census blocks. This may differ from data aggregated by traffic zones which are shown in Table 1.15.

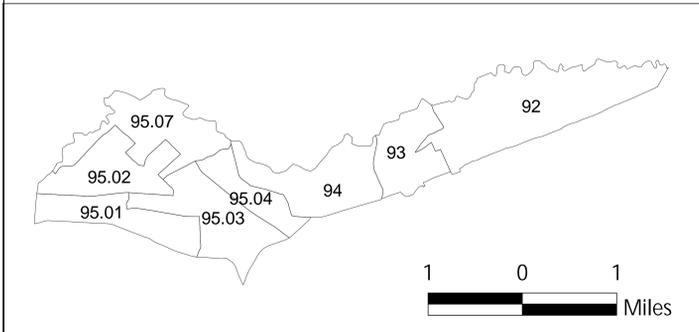
Source: City and County of Honolulu Planning and Permitting Department, Planning Division, Community Profiles for Neighborhood Areas

<<http://honolulu.dpp.org/planning/demographics2/2000/NA/general.pdf>> accessed July 3, 2007.

# 2010 CENSUS TRACTS ISLAND OF OAHU



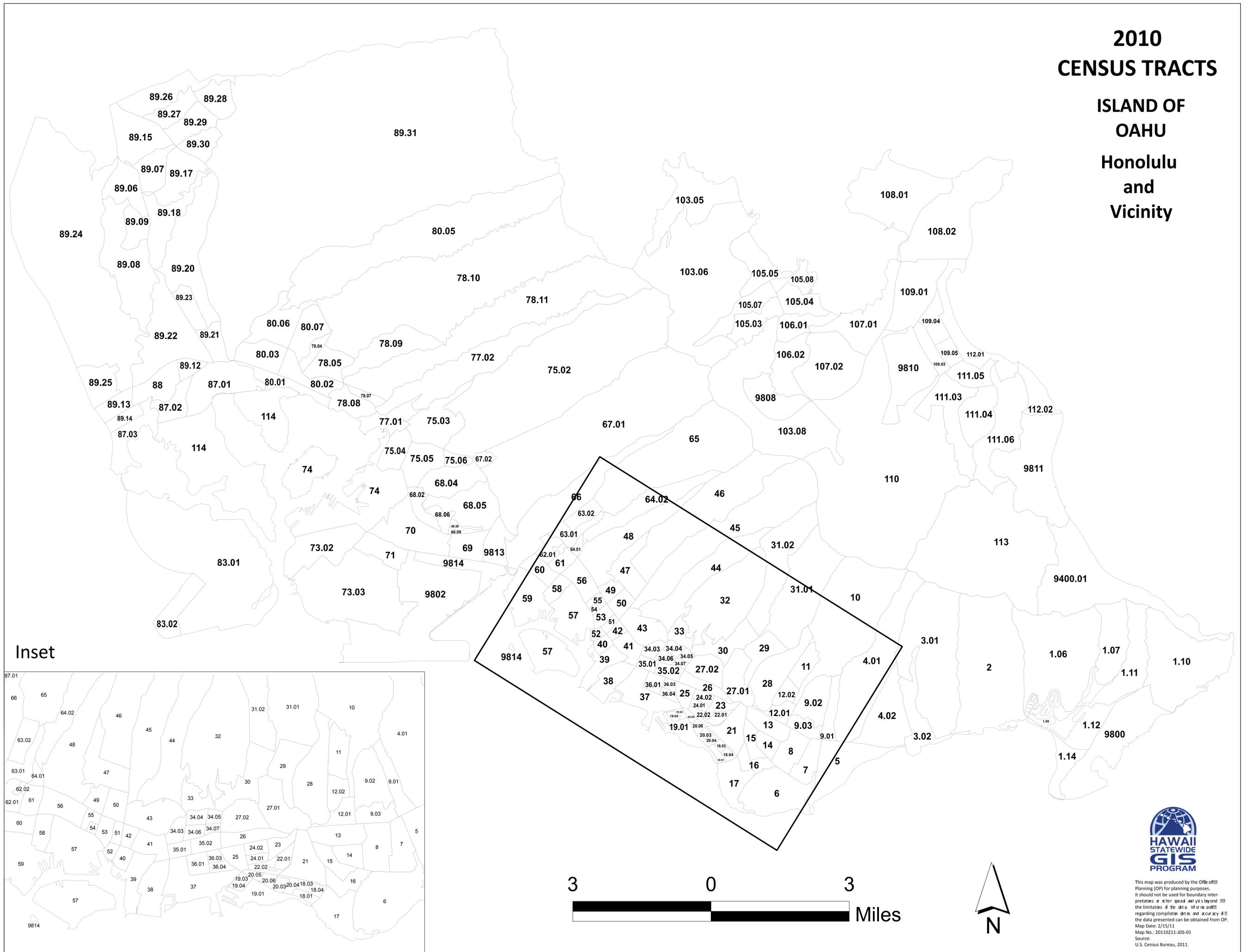
Wahiawa - Schofield Barracks Inset



See  
Honolulu & Vicinity Map

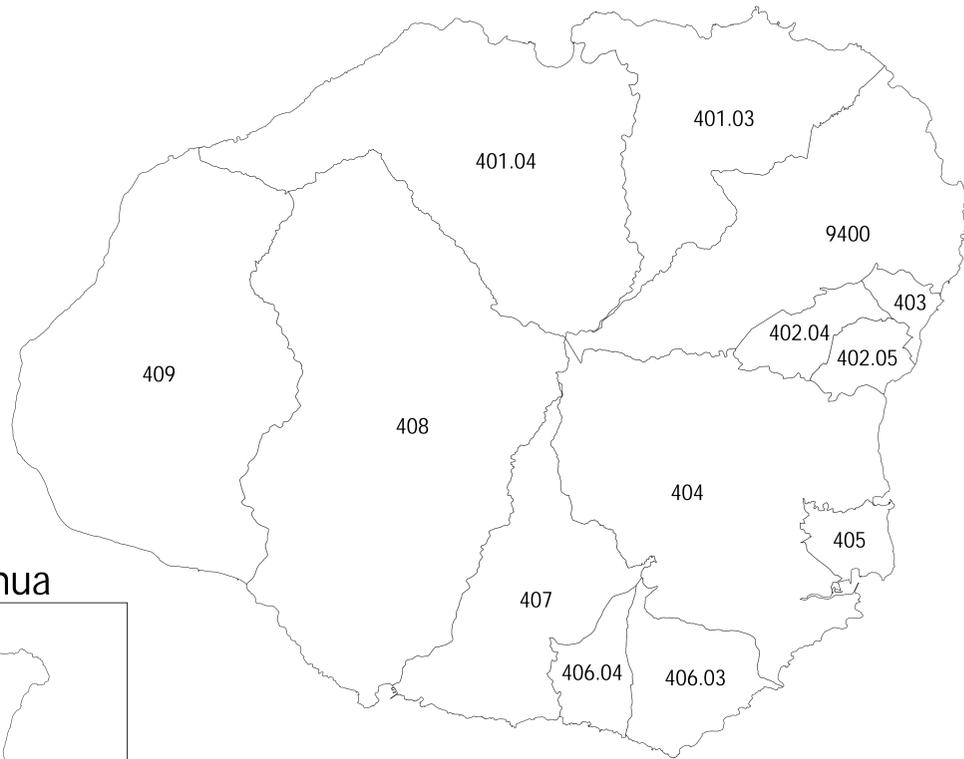
# 2010 CENSUS TRACTS

## ISLAND OF OAHU Honolulu and Vicinity

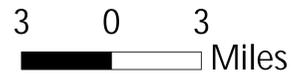


This map was produced by the Office of Planning (OP) for planning purposes. It should not be used for boundary interpretations or other spatial analysis beyond the limitations of the data. If you are regarding compilation dates and accuracy of the data presented can be obtained from OP.  
Map Date: 2/15/11  
Map No.: 20110211-JDS-01  
Source: U.S. Census Bureau, 2011.

# Island of Kauai

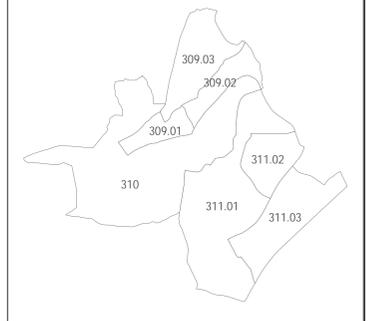
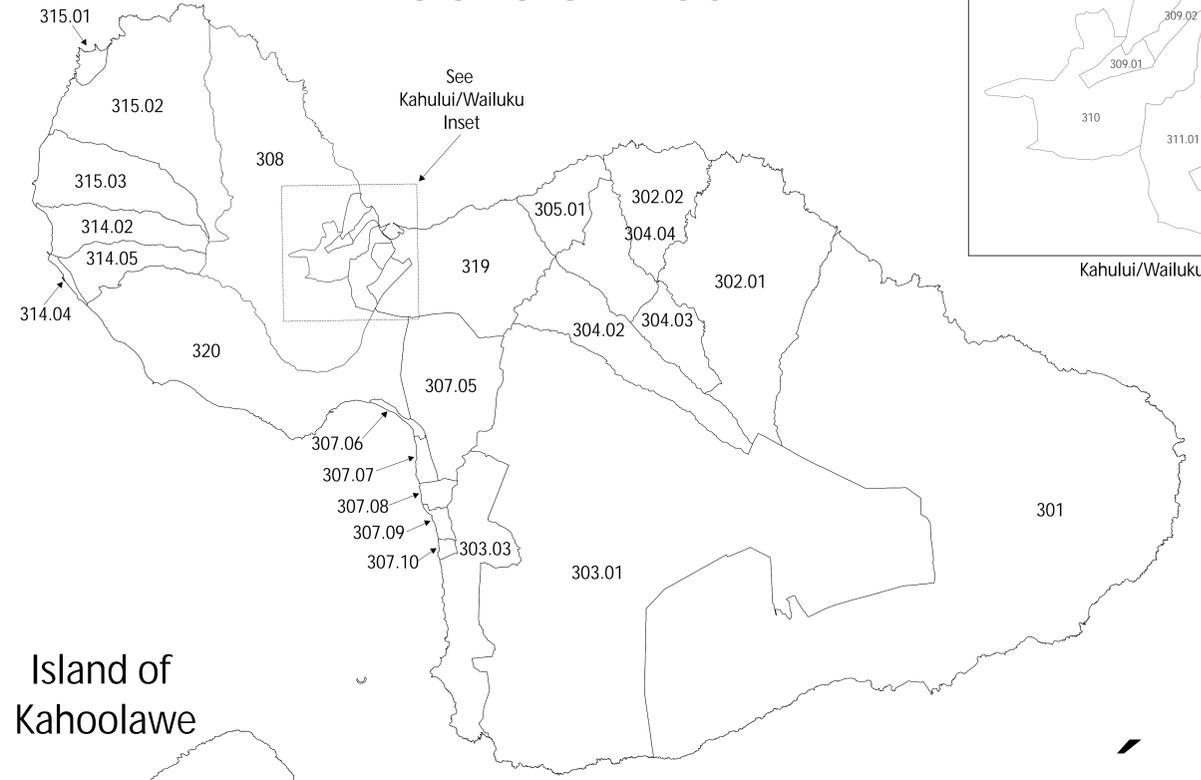


## Islands of Niihau & Lehua



Note: Census Tract 412 includes the island of Kaula (not shown).

# Island of Maui

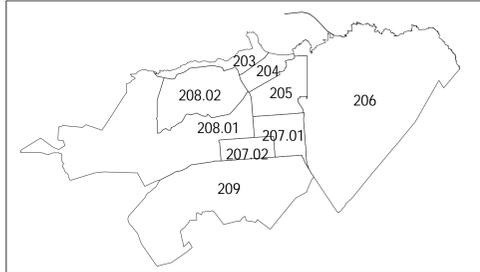
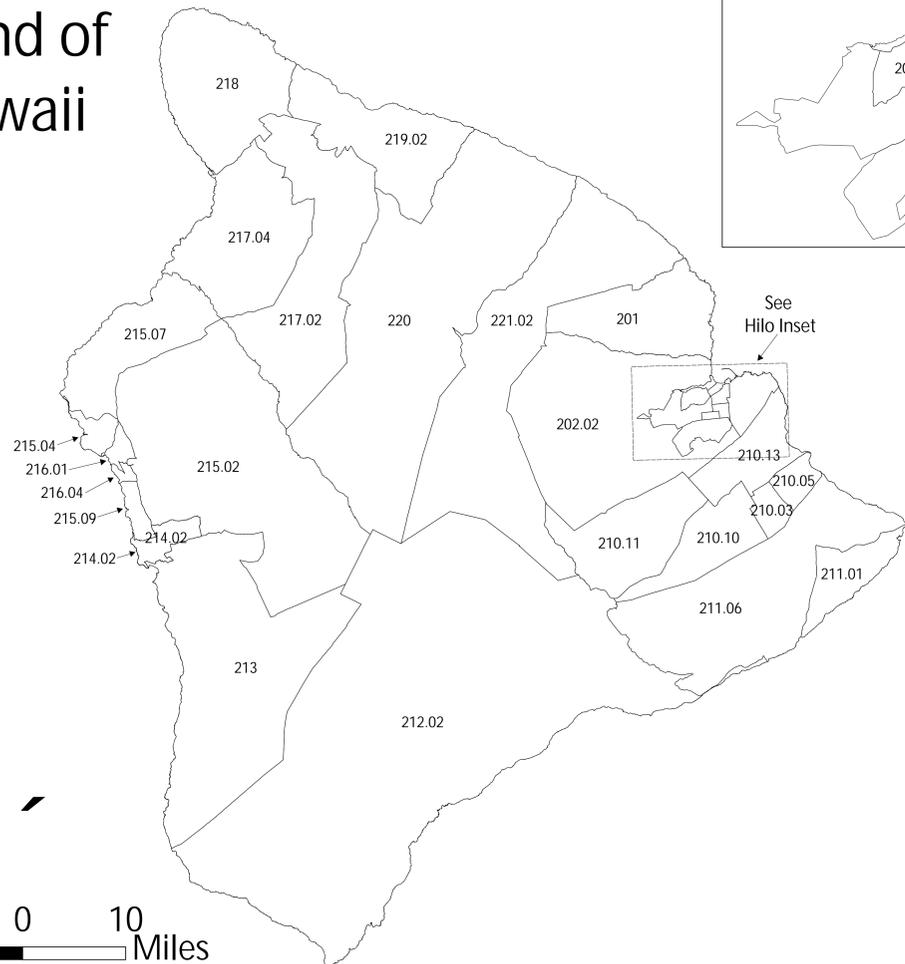


Kahului/Wailuku Inset

## Island of Kahoolawe

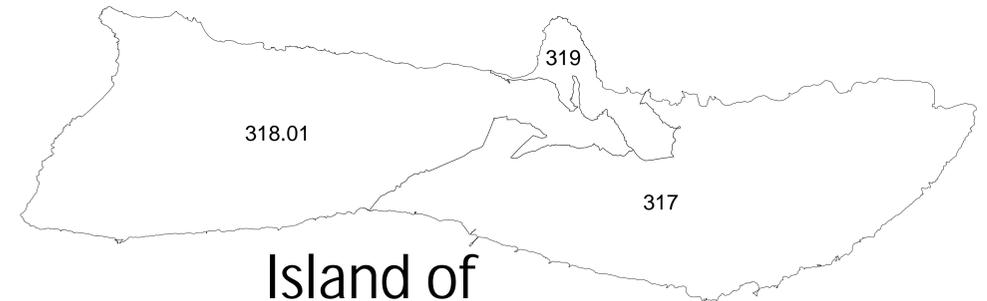
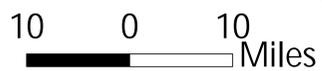


# Island of Hawaii



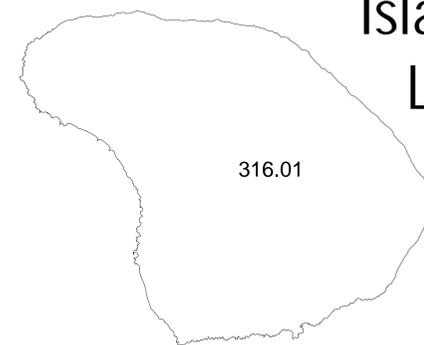
Hilo Inset

See Hilo Inset



## Island of Molokai

## Island of Lanai



## 2010 Census Tracts Counties of Kauai, Maui & Hawaii

This map was produced by the Office of Planning (OP) for planning purposes. It should not be used for boundary interpretations or other spatial analysis beyond the limitations of the data. Information regarding compilation dates and accuracy of the data presented can be obtained from OP.  
Map Date: 2/15/11  
Map No.: 20110211-JDS-03  
Source: U.S. Census Bureau, 2011.



**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014**

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2010 to 2014]

Island and 2010 census tract	Name	Resident population	Households
State total		1,392,704	450,299
Oahu		975,690	310,141
1.06	Hahaione-Mariners Ridge	7,906	3,126
1.07	Kuapa Isle	2,734	902
1.08	Hawaii Kai Marina	3,322	1,232
1.10	Kalama Valley	4,336	1,467
1.11	Lunalilo Park Subdivision	4,836	1,473
1.12	Koko Marina	5,125	1,916
1.14	Portlock	1,509	559
2	Kuliouou	5,807	1,876
3.01	Aina Haina-Hawaii Loa Ridge	3,271	1,039
3.02	Wailupe	3,115	984
4.01	Waialae Nui Ridge-Ainakoa	2,583	973
4.02	Waialae Iki	3,802	1,294
5	Waialae-Kahala	3,451	1,267
6	Diamond Head	1,377	465
7	Kaimuki: 22nd Avenue	2,923	980
8	Kaimuki: Kapiolani Community College	4,082	1,262
9.01	Waialae Nui Valley	2,808	1,181
9.02	Maunalani Heights	4,026	1,369
9.03	Lower Wilhelmina	2,857	1,008
10	Upper Palolo	3,033	1,037
11	Central Palolo	4,187	1,185
12.01	Waialae Avenue-Pukele Avenue	3,003	1,046
12.02	Lower Palolo	3,114	963
13	Kaimuki: 6th Avenue	4,719	1,620
14	Kapaolono Field	2,374	790
15	Upper Kapahulu	3,632	1,235
16	Lower Kapahulu	3,743	1,281
17	Kapiolani Park	2,047	1,104
18.01	Koa Avenue	1,334	803
18.03	Tusitala Street	2,875	1,723
18.04	Jefferson School	1,493	847
19.01	Waikiki Beach	419	296
19.03	Ena Road	3,305	1,753
19.04	Hobron Lane	3,610	2,127
20.03	Seaside Avenue	2,888	1,055

Continued on next page.

**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014 -- Con.**

<b>Island and 2010 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
20.04	International Market Place	1,532	805
20.05	Ala Wai-Niu Street	1,928	1,258
20.06	Ala Wai-Olohana Street	2,115	1,256
21	Olokele Avenue	3,424	1,650
22.01	Kamoku Street-Iolani School	3,622	1,678
22.02	Ala Wai Park-Lauiki Street	3,303	1,710
23	Moilili	4,898	2,473
24.01	Lower McCully	3,333	1,459
24.02	Upper McCully	3,279	1,539
25	Lower Pawaa	3,930	1,972
26	Bingham Tract	4,361	1,842
27.01	UH Manoa Campus	5,807	698
27.02	Punahou School	4,945	2,083
28	St. Louis Heights	4,126	1,469
29	East Manoa	2,503	914
30	Judd Hillside-Lowrey Avenue	4,771	1,462
31.01	Woodlawn	3,790	1,244
31.02	Upper Manoa	3,586	1,211
32	Round Top-Tantalus	865	312
33	Makiki Heights	1,231	360
34.03	Thurston Street	5,662	2,915
34.04	Makiki Fire Station	5,069	2,355
34.05	Poki Street	3,506	1,775
34.06	Lower Makiki	5,821	2,749
34.07	Maryknoll School	797	472
35.01	Academy of Arts	2,243	1,160
35.02	Upper Pawaa	3,747	2,005
36.01	Sheridan Street	4,207	1,900
36.03	Ahana Street	3,074	1,646
36.04	Kaheka Street-Makaloa Street	2,271	1,332
37	Ala Moana	6,035	3,000
38	Kakaako	3,801	2,057
39	Civic Center	329	209
40	Financial District	1,356	737
41	Queen's Hospital	4,189	2,281
42	Queen Emma Gardens	3,193	1,813
43	Punchbowl	5,378	2,477
44	Pauoa	5,565	1,515
45	Dowsett Highlands	4,679	2,137
46	Puunui-Waokanaka Street	4,003	1,217

Continued on next page.

**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014 -- Con.**

<b>Island and 2010 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
47	Alewa-Kawananakoa	4,604	1,428
48	Kamehameha Heights	6,815	1,664
49	Lanakila	3,295	918
50	Kuakini	4,642	1,561
51	Foster Botanical Garden	3,021	1,550
52	Chinatown	2,814	1,360
53	Aala	3,810	1,515
54	Mayor Wright Housing	1,571	401
55	Palama	2,003	573
56	Kapalama	7,112	1,768
57	Iwilei-Anuenue	2,475	894
58	Waiakamilo Road	3,485	973
59	Mokauea Street	3,534	588
60	Umi Street	6,161	1,160
61	Kalihi Waena	4,277	781
62.01	Kam IV Road	5,799	1,395
62.02	Linapuni Street	1,809	394
63.01	Kalihi Valley Park	3,746	834
63.02	Kalena Drive	2,629	577
64.01	Gulick Avenue-Likelike	2,748	431
64.02	Kamanaiki Street	7,382	1,410
65	Upper Kalihi Valley	4,702	976
66	Kahauiki Street	1,074	222
67.01	Tripler-Moanalua	6,048	1,907
67.02	Red Hill	2,323	1,025
68.02	Aliamanu	8,002	1,567
68.04	Aliamanu Crater	4,131	1,076
68.05	Salt Lake Country Club	5,749	2,559
68.06	Ala Lilikoi	1,722	570
68.08	Ala Ilima Mauka	4,614	2,032
68.09	Ala Ilima Makai	5,188	1,933
69	Arizona Road	3,974	1,114
70	Navy Marine Golf Course	4,366	1,555
71	Nimitz Elementary School	3,587	947
73.02	Hangar Avenue-Vickers Avenue	4,549	1,428
73.03	Hickam Air Force Base	437	6
74	Ford Island	4,713	813
75.02	Halawa Valley	1,290	95
75.03	Halawa Heights	5,010	1,552
75.04	Aloha Stadium	3,340	814
75.05	Foster Village	5,498	1,675

Continued on next page.

**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014 -- Con.**

<b>Island and 2010 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
75.06	Red Hill Military Housing	279	77
77.01	Lower Aiea	4,367	1,179
77.02	Aiea Heights	4,788	1,506
78.04	Lower Pearl City	2,005	599
78.05	Waiau Townhouses	5,053	1,629
78.07	Pearl Ridge High Rise	4,989	2,593
78.08	Pearlridge Center	2,867	989
78.09	Newtown	3,567	1,115
78.10	Royal Summit	5,153	1,878
78.11	Pearl Country Club	4,824	1,796
80.01	Hale Mohalu Hospital	2,013	655
80.02	Lower Waiau	2,849	783
80.03	Manana	5,259	1,776
80.05	Pacific Palisades	6,831	1,965
80.06	Pearl City	4,963	1,372
80.07	Pearl City Highlands	5,785	1,598
83.01	Iroquois Point	5,168	1,526
83.02	Campbell High School	6,915	1,356
84.02	Ewa Beach	7,376	1,697
84.05	Holomua School	4,591	1,258
84.06	Hawaii Prince Golf Course	6,682	1,635
84.07	Ocean Pointe	3,559	1,071
84.08	Hoakalei Country Club	6,003	1,811
84.10	Coral Creek Golf Course	3,251	941
84.11	Geiger Road	3,553	1,057
84.12	Ewa Gentry	5,526	2,195
85.02	Kalaeloa	2,729	599
86.06	Kapolei Golf Course	10,399	2,798
86.09	Ko Olina-Honokai Hale	2,048	634
86.10	Ko Olina Resort	1,159	505
86.11	Kahe	148	45
86.12	Upper Makakilo	6,016	1,933
86.13	Makakilo: Wainohia Street	1,230	258
86.14	Kunia West	9,487	2,614
86.17	Ewa Villages	11,082	2,434
86.22	Lower Makakilo	4,278	1,066
87.01	Leeward Community College	9,137	1,795
87.02	St. Joseph School	5,817	1,580
87.03	West Loch	6,665	1,598
88	Managers Drive	9,171	1,632
89.06	Mililani Golf Course	4,072	1,330

Continued on next page.

**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014 -- Con.**

<b>Island and 2010 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
89.07	Mililani High School	4,266	1,299
89.08	Mililani Marketplace	5,733	1,800
89.09	Mililani District Park	3,883	1,321
89.12	August Ahrens School	2,409	445
89.13	Robinson Heights	4,312	824
89.14	Honowai School	5,752	1,195
89.15	Waipio Acres	4,807	1,814
89.17	Mililani Town Center	4,616	1,533
89.18	Mililani: Nob Hill	5,647	1,731
89.20	Waipio Gentry	4,200	1,581
89.21	Waipio	2,875	586
89.22	Waikele	7,868	2,881
89.23	Seaview	4,514	1,809
89.24	Royal Kunia	7,399	2,047
89.25	Village Park	7,380	2,008
89.26	Laulani Valley-Mililani Technology Park	1,761	682
89.27	Koolani Drive	4,903	1,724
89.28	Mililani Mauka Middle School	4,092	1,150
89.29	Mililani Mauka-Meheula Parkway	4,862	1,924
89.30	Mililani: Ainamakua Drive	2,412	799
89.31	Waiawa Prison	3,384	826
90	Wheeler-East Range	2,541	825
91	Kaukonahua Road	5,816	1,216
92	Wahiawa Mauka	7,188	2,395
93	Wahiawa Waena	4,815	1,474
94	Wahiawa Makai	5,493	1,811
95.01	Kolekole Avenue	6,139	1,591
95.02	Menoher Street	5,078	1,413
95.03	Foote Avenue	3,589	211
95.04	Leilehua Avenue	1,356	421
95.07	Schofield: McCarthy Field	3,363	730
96.03	Maili	9,772	2,407
96.08	Lualualei Transmitter	5,842	1,228
97.01	Waianae Kai	6,480	1,617
97.03	Lualualei-Camp Waianae	6,275	1,529
97.04	Lualualei: Halona Road	3,388	678
98.01	Makua Valley	2,268	1,039
98.02	Makaha	6,702	1,474
99.02	Haleiwa	3,631	1,118
99.04	Kaena Point	5,560	1,839
100	Kawailoa	4,006	1,348

Continued on next page.

**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014 -- Con.**

<b>Island and 2010 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
101	Waimea-Kahuku	8,341	2,324
102.01	Hauula-Kaaawa	5,286	1,588
102.02	Laie	6,713	1,260
103.03	Kahaluu-Waikane	4,660	1,325
103.05	Ahuimanu	4,826	1,414
103.06	Haiku	6,547	2,152
103.08	Kapunahala	3,171	1,025
105.03	Kaneohe District Park	1,637	496
105.04	Waikalua Road	4,423	1,389
105.05	Heeia Kea	3,287	1,080
105.07	Kahuhipa Street	5,637	1,804
105.08	Lilipuna Road	2,501	931
106.01	Puohala	3,846	1,092
106.02	Castle High School-Halekou Road	5,319	1,566
107.01	Kokokahi	3,584	1,315
107.02	Mokulele Drive	3,325	1,145
108.01	Mokapu West	3,806	775
108.02	Mokapu East	7,536	1,883
109.01	Kalaheo Hillside	3,265	987
109.03	Oneawa Street-Kawainui	4,397	1,442
109.04	Maluniu Avenue	3,372	1,070
109.05	Ulupaina Street	2,525	882
110	Maunawili	4,229	1,099
111.03	Olomana	3,961	1,179
111.04	Enchanted Lakes	4,706	1,442
111.05	Kailua Town	3,487	1,527
111.06	Keolu	6,058	1,875
112.01	Kalaheo Avenue	4,506	1,499
112.02	Lanikai	1,734	639
113	Waimanalo	5,807	1,323
114	Waipio Peninsula	4,018	678
115	Kapolei	6,491	1,767
9400.01	Waimanalo Beach-Homesteads	4,663	1,045
9400.02	Nanakuli	7,047	1,425
9800	Hanauma Bay	2	-
9802	Honolulu International Airport	848	-
9803	Campbell Industrial Park	-	-
9806	Schofield Forest Reserve	91	44
9807	Schofield Barracks East Range	-	-

Continued on next page.

**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014 -- Con.**

<b>Island and 2010 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
9808	Hoomaluhia Botanical Garden	-	-
9810	Kawainui Marsh	-	-
9811	Bellows Air Force Base	38	7
9813	Mapunapuna Industrial	-	-
9814	Nimitz-Airport Commercial	-	-
Northwestern Hawaiian Islands			
9812	Northwestern Hawaiian Islands	-	-
Hawaii		189,382	64,586
201	Pauka'a-Wailea	5,126	1,734
202.02	Hilo: Upper Waiakea Forest Reserve	2,158	636
203	Hilo: Pu'u'eo-Downtown	3,789	1,494
204	Hilo: Villa Franca-Kaiko'o	4,087	1,327
205	Hilo: University-Houselots	5,230	2,002
206	Hilo: Keaukaha-Pana'ewa	6,098	1,679
207.01	Hilo: Puainako	4,268	1,619
207.02	Hilo: Kawaiiani	5,045	1,731
208.01	Hilo: Kahuku-Kaumana	4,467	1,518
208.02	Hilo: Piihonua-Kaumana	6,377	2,109
209	Hilo: Haihai	5,099	1,568
210.03	Orchidland-Ainaloa	7,299	2,273
210.05	Hawaiian Paradise Park	11,349	4,086
210.10	Upper Puna (Puna Mauka)	6,729	2,678
210.11	Volcano-Mt. View	3,532	1,349
210.13	Kea'au	5,108	1,600
211.01	Kalapana-Kapoho	3,062	1,460
211.06	Pahoa	7,303	2,502
212.02	Ka'u	7,669	2,847
213	South Kona	6,737	2,165
214.02	Konawaena	4,013	1,388
215.02	Hualalai	4,878	1,688
215.04	Kealakehe	4,824	1,280
215.07	Kalaoa	9,255	3,219
215.09	Kaumalumalu-Keahou	5,937	2,013
216.01	Kailua	7,667	2,799
216.04	Holualoa	7,919	2,968
217.02	Waimea-Pu'u Anahulu	9,952	3,197
217.04	Kawaihae-Waikoloa	8,237	2,942
218	North Kohala	6,550	1,964

Continued on next page.

**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014 -- Con.**

<b>Island and 2010 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Hawaii (con.)			
219.02	Honoka'a-Kukuihaele	4,500	1,233
220	Pa'auhau-Pa'auilo	3,220	852
221.02	North Hilo	1,898	666
Maui		148,403	49,557
301	Hana	1,898	562
302.01	Huelo	2,170	932
302.02	Ha'iku	7,326	2,741
303.01	Kula	8,750	3,241
303.03	Wailea	3,776	1,695
304.02	Pukalani	8,596	3,174
304.03	Makawao	3,479	1,237
304.04	Hali'imaile	5,558	1,722
305.01	Pa'ia	2,558	775
307.05	Kihei Mauka	3,695	936
307.06	Kealia	2,509	915
307.07	Waipuilani	9,301	3,358
307.08	Halama	3,011	1,115
307.09	Kamaole	3,798	1,872
307.10	Keawakapu	2,395	1,081
308	Waihee-Waikapu	7,233	2,061
309.01	West Central Wailuku	3,071	1,109
309.02	East Central Wailuku	3,186	1,174
309.03	North Wailuku	7,207	1,664
310	South Wailuku	9,013	3,224
311.01	West Kahului	8,958	2,173
311.02	Central Kahului	5,457	1,460
311.03	Southeast Kahului	8,084	1,941
314.02	Kahoma	3,055	826
314.04	Lahaina	3,438	1,277
314.05	Lahainaluna	5,469	1,383
315.01	Kapalua	2,342	744
315.02	Honokahua	4,548	2,064
315.03	Honokowai	2,399	1,104
319	Spreckelsville	5,174	1,566
320	Launiupoko	949	431
9800	Kaho'olawe	-	-
Lanai		3,526	1,142
316.01	Lana'i	3,526	1,142

Continued on next page.

**Table 1.17-- RESIDENT POPULATION AND HOUSEHOLDS,  
BY ISLAND AND CENSUS TRACT: 2010-2014 -- Con.**

<b>Island and 2010 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Molokai		6,958	2,478
317	East Moloka'i	4,086	1,593
318.01	West Moloka'i	2,799	839
319	Kalawao	73	46
Kauai		68,745	22,395
401.03	Princeville-Kilauea	6,958	2,361
401.04	Ha'ena-Hanalei	796	335
402.04	Wailua Houselots	5,384	1,988
402.05	Wailua Homesteads	3,986	1,444
403	Kapa'a	8,335	2,626
404	Puhi-Hanama'ulu	9,786	2,595
405	Lihu'e	6,764	2,130
406.03	Koloa-Po'ipu	2,958	1,012
406.04	Omao-Kukui'ula	3,270	1,212
407	Eleele-Kalaheo	8,190	2,725
408	Kaunakani-Hanapepe	3,880	1,156
409	Kekaha-Waimea	4,831	1,610
9400	Anahola	3,607	1,201
Niihau and Kaula			
412	Ni'ihau-Kaula	(1/)	(1/)

1/ In the source 2010-2014 estimate table, the population was shown as zero. There was, however, actually no response from the people surveyed on that island.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, Tables B01003 and B11001 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 11, 2016.

**Table 1.18-- RESIDENT POPULATION OF HAWAIIAN HOME LANDS, BY ISLAND: 2010-2014**

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2010 to 2014]

<b>Island and Hawaiian Home Lands</b>	<b>Total</b>	<b>Island and Hawaiian Home Lands</b>	<b>Total</b>
State of Hawaii	32,828	Maui (con.)	
Hawaii	6,601	Waiku-Hana	-
Homoula-Upper Piihonua	73	Waiohuli (Residential)	952
Honokaia	-	Kahoolawe	-
Honomu	-	Lanai	41
Kamoa-Puueo	12	Lanai City	41
Kamoku-Kapulena	17	Molokai	1,987
Kaohe-Olaa	-	Hoolehua-Palaaau	1,327
Kaumana	143	Kalamaula	342
Kawaihae	452	Kalaupapa	73
Keahuolu	-	Kamiloloa-Makakupaia	50
Kealakehe	1,045	Kapaakea	188
Keaukaha	1,630	Ualapue	7
Keoniki	-	Oahu	17,681
Kolaoa	-	East Kapolei	-
Lalamilo	86	Haiku	-
Makuu	104	Honolulu Makai	-
Nienie	69	Kakaina-Kumuhau	180
Panaewa (Agricultural)	744	Kalaeloa	16
Panaewa (Residential)	1,281	Kalawahine	342
Pauahi	-	Kanehili	495
Piihonua	30	Kapolei	-
Ponohawaii	3	Kaupea	991
Puukapu	912	Kewalo	261
Upolu	-	Lualualei	124
Waiakea	-	Maili	502
Wailau	-	Makaha Valley	-
Waimanu	-	Maluohai	900
Waiohinu	-	Nanakuli	5,148
Maui	4,139	Papakolea	1,265
Honokowai	-	Pearl City	154
Kahikinui	-	Princess Kahanu Estates	1,203
Keanae-Wailua	9	Waiahole	25
Keokea (Agricultural)	60	Waianae	2,744
Leialii	526	Waianae Kai	448
Paukukalo	962	Waimanalo	2,883
Pulehunui	-		
South Maui	-		
Waiehu	1,630		

Continued on next page.

**Table 1.18-- RESIDENT POPULATION OF HAWAIIAN  
HOME LANDS, BY ISLAND: 2010-2014 -- Con.**

<b>Island and Hawaiian Home Lands</b>	<b>Total</b>	<b>Island and Hawaiian Home Lands</b>	<b>Total</b>
Kauai	2,389	Kauai (con.)	
Anahola (Agricultural)	148	Kekaha	503
Anahola (Residential)	1,707	Moloaa	7
Hanapepe	24	Wailua	-
Kapaa	-	Waimea	-

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates  
<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 27, 2016.

**Table 1.19-- RESIDENT POPULATION, BY ISLAND AND ZIP CODE TABULATION AREA: 2010-2014**

[ZIP Code Tabulation Areas (ZCTAs) are approximate area representations of the U.S. Postal Service five-digit ZIP Code service areas that the Census Bureau created using whole blocks to present statistical data from censuses and surveys. Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2010 to 2014]

Zip code tabulation area	Name 1/	Resident population	Zip code tabulation area	Name 1/	Resident population
State total		1,392,704	Maui (con.)		
Hawaii			96732	Kahului	25,770
96704	Captain Cook	7,425	96753	Kihei	28,485
96710	Hakalau	298	96761	Lahaina	
96719	Hawi	2,629		Main Office	21,825
96720	Hilo (Main Office)	47,115	96768	Makawao	17,647
96725	Holualoa	4,091	96779	Paia	2,854
96726	Honaunau	864	96790	Kula	8,750
96727	Honokaa	6,028	96793	Wailuku	31,627
96728	Honomu	496	Lanai		
96737	Ocean View	3,955	96763	Lanai City	3,526
96738	Waikoloa	7,070	Molokai		
96740	Kailua-Kona	35,334	96729	Hoolehua	1,327
96743	Kamuela	12,177	96742	Kalaupapa	73
96749	Keaau	17,852	96748	Kaunakakai	4,086
96750	Kealahou	3,516	96757	Kualapuu	734
96755	Kapaau	2,949	96770	Maunaloa	738
96760	Kurtistown	2,287	Oahu		
96764	Laupahoehoe	635	96701	Aiea	38,526
96771	Mountain View	7,033	96706	Ewa Beach	66,440
96772	Naalehu	2,303	96707	Kapolei	42,793
96773	Ninole	132	96712	Haleiwa	8,371
96774	Ookala	336	96717	Hauula	5,069
96776	Paauilo	1,448	96730	Kaawa	1,321
96777	Pahala	1,382	96731	Kahuku	2,785
96778	Pahoa	14,565	96734	Kailua	53,555
96780	Papaaloa	813	96744	Kaneohe	52,637
96781	Papaikou	1,784	96759	Kunia	488
96783	Pepeekeo	2,191	96762	Laie	5,675
96785	Volcano	2,674	96782	Pearl City	40,632
Maui			96786	Wahiawa	45,280
96708	Haiku	9,724	96789	Mililani	54,320
96713	Hana	1,672			

Continued on next page.

**Table 1.19-- RESIDENT POPULATION, BY ISLAND AND ZIP CODE TABULATION AREA: 2010-2014 -- Con.**

Zip code tabulation area	Name 1/	Resident population	Zip code tabulation area	Name 1/	Resident population
Oahu (con.)			Oahu (con.)		
96791	Waialua	7,528	96860	Pearl Harbor	1,192
96792	Waianae	47,774	96863	MCBH K Bay 2/	27
96795	Waimanalo	10,508			
96797	Waipahu	75,350	Kauai		
96813	Downtown	22,041	96703	Anahola	2,388
96814	Downtown	18,846	96705	Eleele	2,624
96815	Waikiki	29,480	96714	Hanalei	818
96816	Waialae Kahala	50,656	96716	Hanapepe	2,611
96817	Kapalama	55,601	96722	Princeville	2,689
96818	Main Office	55,380	96741	Kalaheo	5,422
96819	Sand Island	53,482	96746	Kapaa	18,682
96821	Hawaii Kai	19,415	96747	Kaumakani	1,007
96822	Makiki	46,195	96751	Kealia	128
96825	Hawaii Kai	29,770	96752	Kekaha	2,933
96826	Makiki	31,346	96754	Kilauea	4,361
96850	Honolulu	-	96756	Koloa	5,693
96853	Hickam Air		96765	Lawai	580
	Force Base	349	96766	Lihue	16,550
96857	Schofield Barracks	2,858	96769	Makaweli	361
96859	Tripler Army Medical Center	-	96796	Waimea	1,898

1/ From *The Official Hawaiian Telcom White Pages 2011 Oahu*. There may be more than one name for a zip code area.

2/ Marine Corp Base Hawaii Kaneohe Bay.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 27, 2016; Hawaiian Telcom, *The Official Hawaiian Telcom White Pages 2011 Oahu* and United States Postal Service, Zip Code Lookup <[http://zip4.usps.com/zip4/citytown\\_zip.jsp](http://zip4.usps.com/zip4/citytown_zip.jsp)> accessed June 27, 2011.

**Table 1.20-- RESIDENT AND DE FACTO POPULATION AND EMPLOYED PERSONS, FOR WAIKIKI: 1970 TO 2010**

[For earlier years, 1920-1970, see *Data Book 1987* and *1988*, table 14. Waikiki is bounded by the Ala Wai Canal, Kapahulu Avenue, and the Pacific Ocean]

Subject	1970	1980	1990	2000	2010	Density 1/		
						1990	2000	2010
Resident population 2/ Temporarily absent 3/	13,124 176	17,384 174	19,768 327	19,720 763	23,073 1,242	25,254.9 417.8	25,193.6 974.8	29,814.5 1,604.7
De facto population 4/ Visitors present 3/	34,874 21,926	63,710 46,500	95,979 76,538	(NA) 73,751	96,859 75,028	122,619.6 97,782.4	(NA) 94,221.8	125,159.6 96,949.8
Employed persons 5/ Living in Waikiki Working in Waikiki	7,866 (NA)	9,593 30,011	11,065 (NA)	9,898 (NA)	6/ 12,466 26,085	14,136.3 (NA)	12,645.4 (NA)	16,108.3 33,706.5

NA Not available.

1/ Per square mile. Based on land area of 0.77 square miles (2.00 square kilometers) for 2010; 0.78 square miles (2.03 square kilometers) for earlier years.

2/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present.

3/ Annual averages. Estimated.

4/ The de facto population is defined as the number of persons physically present in an area, regardless of military status or usual place of residence. It includes visitors present but excludes residents temporarily absent, both calculated as an average daily census.

5/ Includes armed forces.

6/ Includes armed forces. Average value over the five year period of 2007 to 2011, obtained from the American Community Survey.

Source: U.S. Bureau of the Census, census tract bulletins, 1970-1980, and 1990 Census tapes, U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001), Census 2000 Summary File 3 (September 25, 2002), 2010 Census Summary File 1 (June 16, 2011), and the 2007-2011 American Community Survey 5-year Estimates (December 6, 2012); Hawaii Visitors Bureau; Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch; Hawaii Tourism Authority, Tourism Research; *Data Book 1987*, table 380; and calculations from the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.21-- URBAN AND RURAL AREAS, BY COUNTY: 2010**

[Based on the 2010 Census "urban" and "rural" area criteria]

<b>Geography and subject 1/</b>	<b>State total</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui 2/</b>
Total land area					
Square kilometers	16,634.5	1,555.9	10,433.6	1,605.7	3,039.4
Square miles 3/	6,422.6	600.7	4,028.4	620.0	1,173.5
Urban					
Square kilometers	1,018.2	566.1	224.7	92.7	134.7
Square miles 3/	393.1	218.6	86.7	35.8	52.0
Percent 4/	6.1	36.4	2.2	5.8	4.5
Urbanized area					
Sq. km.	585.0	541.8	-	-	43.2
Sq. mi. 3/	225.9	209.2	-	-	16.7
Percent 4/	3.5	34.8	0.0	0.0	1.4
Urban cluster					
Sq. km.	433.2	24.3	224.7	92.7	91.5
Sq. mi. 3/	167.3	9.4	86.7	35.8	35.3
Percent 4/	2.6	1.6	2.2	5.8	3.0
Rural					
Square kilometers	15,616.3	989.8	10,208.9	1,513.0	2,904.7
Square miles 3/	6,029.5	382.2	3,941.7	584.2	1,121.5
Percent 4/	93.9	63.6	97.9	94.2	95.6
Resident population	1,360,301	953,207	185,079	67,091	154,924
Density/sq. mi.	211.8	1,586.7	45.9	108.2	132.0
Urban area	1,250,489	944,982	114,766	58,463	132,278
Percent 5/	91.9	99.1	62.0	87.1	85.4
Density/sq. mi.	3,180.8	4,323.3	1,323.1	1,633.1	2,543.0
Urbanized area	972,075	916,141	-	-	55,934
Percent 5/	71.5	96.1	0.0	0.0	36.1
Density/sq. mi.	4,303.4	4,379.1	(X)	(X)	3,353.9
Urban cluster	278,414	28,841	114,766	58,463	76,344
Percent 5/	20.5	3.0	62.0	87.1	49.3
Density/sq. mi.	1,664.7	3,076.7	1,323.1	1,633.1	2,160.3
Rural	109,812	8,225	70,313	8,628	22,646
Percent 5/	8.1	0.9	38.0	12.9	14.6
Density/sq. mi.	18.2	21.5	17.8	14.8	20.2

Continued on next page.

**Table 1.21-- URBAN AND RURAL AREAS, BY COUNTY:  
2010 -- Con.**

X Not applicable.

1/ For the 2010 Census, an urban area will comprise a densely settled core of census tracts and/or census blocks that meet minimum population density requirements, along with adjacent territory containing non-residential urban land uses as well as territory with low population density included to link outlying densely settled territory with the densely settled core. To qualify as an urban area, the territory identified according to criteria must encompass at least 2,500 people, at least 1,500 of which reside outside institutional group quarters. The Census Bureau identifies two types of urban areas (1) Urbanized Areas (UAs) of 50,000 or more people and (2) Urban Clusters (UCs) of at least 2,500 and less than 50,000 people. "Rural" encompasses all population, housing and territory not included within an urban area.

2/ Maui County includes Kalawao County. Kalawao County had a total resident population of 90; land area of 31.1 square kilometers which was 12.0 square miles; 2010 rural population of 90; % population that was rural population was 100%; land area of the rural areas was 31.1 square kilometers which was 12.0 square miles; % land area in rural area was 100%; and population density of rural area was 7.5 persons per square mile.

3/ To convert from square kilometer to square mile, divide by 2.58999.

4/ Percent of state land area for "state total" column; percent of county land area for all other columns.

5/ Percent of state population for "state total" column; percent of county population for all other columns.

Source: U.S. Census Bureau, "2010 Percent Urban and Rural by County" <<http://www.census.gov/geo/reference/ua/urban-rural-2010.html>> accessed May 31, 2013, "2010 Census Urban and Rural Classification and Urban Area Criteria" <<http://www.census.gov/geo/reference/ua/urban-rural-2010.html>> accessed May 31, 2013 and "Census 2000 Geographic Definitions" <[http://www.census.gov/geo/www/geo\\_defn.html#AreaMeasurement](http://www.census.gov/geo/www/geo_defn.html#AreaMeasurement)> accessed May 31, 2013; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.22-- CENTERS OF POPULATION, BY COUNTY: 1990 TO 2010**

[The "center of population" is determined as the place where an imaginary, flat, weightless, and rigid map of the geographic area would balance perfectly if all of its residents were of identical weight]

<b>County</b>	<b>North latitude (degrees)</b>	<b>West longitude (degrees)</b>	<b>Approximate location</b>
1990			
State of Hawaii	21.1756	157.5708	Kaiwi Channel
Hawaii County	19.6898	155.4060	20 mi. W of Hilo
Maui County 1/	20.8722	156.4547	0.6 mi. SW of Wailuku Post Office
Honolulu County	21.3748	157.8993	0.2 mi. NE of Red Hill Elementary School
Kauai County	22.0144	159.4509	4.4 mi. N of Knudsen Gap
2000			
State of Hawaii	21.146768	157.52445	Kaiwi Channel
Hawaii County	19.690126	155.41573	21.5 mi. W of Hilo
Maui County	20.868419	156.50023	1.3 mi. SE of Wailuku Post Office
Kalawao County	21.192297	156.98023	Kalaupapa
Honolulu County	21.376294	157.90885	0.8 mi. NW of Red Hill Elementary School
Kauai County	22.021112	159.44751	5 mi. N of Knudsen Gap
2010			
State of Hawaii	21.115289	157.484404	Kaiwi Channel
Hawaii County	19.672837	155.421895	22.1 mi. W of Hilo
Maui County	20.863747	156.493816	1.7 mi. SE of Wailuku Post Office
Kalawao County	21.188495	156.979972	Kalaupapa
Honolulu County	21.372464	157.913673	0.9 mi. NW of Red Hill Elementary School
Kauai County	22.021022	159.442112	5.1 mi. NE of Knudsen Gap

1/ Maui County includes Kalawao County.

Source: Hawaii State Department of Business, Economic Development & Tourism, estimated from block group data in U.S. Bureau of Census, 1990 STF-1A and the Office of Planning GIS Program, 2000 and 2010 approximate location; U.S. Census Bureau, Commerce News "2000 U.S. Population Centered in Phelps County, Mo.", CB01-CN.66, (April 2, 2001) <[http://www.census.gov/Press-Release/www/releases/archives/census\\_2000/000717.html](http://www.census.gov/Press-Release/www/releases/archives/census_2000/000717.html)> accessed July 18, 2001, "County Population Centroids for Hawaii" <<http://www.census.gov/geo/www/cenpop/county/coucntr15.html>> accessed Nov. 11, 2003, "Centers of Population for the 2010 Census" <<http://www.census.gov/geo/www/2010census/centerpop2010/centerpop2010.html>> accessed July 8, 2011.

**Table 1.23-- POPULATION BY MILITARY STATUS: 1950 TO 2000**

Year	Total resident population	Armed Forces	Civilians			Armed Forces and dependents
			All civilians	Military dependents	Other civilians	
1950	499,794	22,856	476,938	(NA)	(NA)	(NA)
1960	632,772	47,267	585,505	56,576	528,929	103,843
1970	768,559	49,953	718,606	61,261	657,345	111,214
1980	964,691	58,443	906,248	61,974	844,274	120,417
1990	1,108,229	54,001	1,054,228	63,215	991,013	117,216
2000 1/	1,211,535	39,035	1,172,500	43,090	1,129,410	82,125

NA Not available.

1/ Figures for Armed Forces, military dependents and other civilians were obtained from a special tabulation of the census data. As a result, they are subject to rounding rules used in all special tabulations from the Census Bureau. The rounding rules sometimes cause figures from the special tabulations to differ from those obtained from the regular Census 2000 datasets. The figure for total resident population from the Census 2000 Summary File 1 was 1,211,537 and the Armed Forces population from the Census 2000 Summary File 3 was 39,036. Both of these figures differ from the numbers obtained in the special tabulation. Figures for 2000 in this table were obtained from the special tabulation so data for total resident population, Armed Forces, and all civilians differ from the figures presented in last year's *Data Book*.

Source: U.S. Census Bureau, decennial censuses special tabulations.

**Table 1.24-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES, BY SERVICE AND ISLAND: JULY 1, 2015**

[Data for years prior to 2005 are found in Section 10 of the previous *Data Books*]

Service and island	Personnel and dependents	Military personnel				Dependents in Hawaii	Military families
		Total	Living ashore		Living aboard ship		
			In hsg. units 1/	In barracks			
State total 2/	112,944	48,451	(NA)	(NA)	5,755	64,493	(NA)
Air Force 3/	3/ 12,104	3/ 5,404	(NA)	(NA)	-	3/ 6,700	(NA)
Oahu	(NA)	(NA)	(NA)	(NA)	-	(NA)	(NA)
Maui	(NA)	(NA)	(NA)	(NA)	-	(NA)	(NA)
Army 4/	53,427	19,735	13,206	6,529	-	33,692	(NA)
Oahu 4/	53,404	19,726	13,197	6,529	-	33,678	(NA)
Hawaii 4/	23	9	9	-	-	14	(NA)
Coast Guard 2/	3,196	1,539	1,290	74	105	1,657	(NA)
Oahu	3,098	1,469	1,290	74	105	1,629	(NA)
Hawaii	28	20	(NA)	(NA)	-	8	(NA)
Maui	32	23	(NA)	(NA)	-	9	(NA)
Kauai	38	27	(NA)	(NA)	-	11	(NA)
Marine Corps	13,712	7,894	3,187	4,707	-	5,818	3,187
Oahu	13,710	7,893	3,186	4,707	-	5,817	3,186
Hawaii	2	1	1	-	-	1	1
Navy	5/ 30,505	6/ 13,879	6/ 12,179	6/ 3,313	6/ 6,487	5/ 16,626	7,756
Oahu	5/ 30,334	6/ 13,799	6/ 12,107	6/ 3,305	6/ 6,487	5/ 16,535	7,711
Kauai	5/ 171	6/ 80	6/ 72	6/ 8	6/ -	5/ 91	45

NA Not available.

1/ In houses or apartments, either on-base or in the civilian community.

2/ All figures are estimated. Totals and subtotals may not be the sum of the individual components.

3/ The military personnel figure and the dependent figure are DBEDT estimates.

4/ As of August 2015. In housing units, in barracks and dependent figures are estimated.

5/ Estimated. Some dependents and families of military personnel receiving housing entitlements may be living in another state.

6/ The total number of navy military personnel does not sum to the total of personnel living in housing units, in barracks and aboard ship. This is because Navy personnel assigned to ships or listed as living in barracks on a specified date may also have another place to live elsewhere in Hawaii. Therefore, these military personnel may be counted more than once in the type of residence columns. Total navy military personnel and the total living aboard ship figures were obtained from The Bureau of Naval Personnel as of June 30, 2015.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.25-- MILITARY PERSONNEL BY  
ACCOMPANIMENT STATUS: 2014**

[Estimates. Data for Oahu military personnel only]

<b>Service</b>	<b>Permanent party personnel 1/</b>	<b>Military families</b>	<b>Military couples 2/</b>	<b>Unaccompanied 3/</b>
Total	49,124	26,318	(NA)	21,958
Air Force	4,506	2,812	(NA)	1,694
Army	21,770	12,195	502	9,073
Coast Guard	1,195	685	34	476
Marine Corps	9,658	4,597	312	4,749
Navy	11,995	6,029	(NA)	5,966

NA Not available.

1/ The all service total and the Navy subtotal includes personnel living only aboard ship, which is not shown separately.

2/ Both the husband and wife are permanent-party military personnel and form one family. Only one spouse is counted in the military families column.

3/ Includes both single personnel as well as married personnel who do not have family members living with them.

Source: Robert D. Niehaus, Inc., records.

**Table 1.26-- RESIDENT POPULATION PROJECTIONS,  
BY COUNTY: 2010 TO 2040**

[As of July 1. DBEDT 2040 Series]

Type of population and year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui 1/
Resident population 2/ 2010 3/	1,363,621	955,775	407,846	185,406	67,226	155,214
2015	1,418,250	976,190	442,060	202,670	71,380	168,010
2020	1,481,240	1,003,710	477,540	220,880	75,640	181,020
2025	1,543,240	1,029,410	513,840	239,640	80,000	194,200
2030	1,602,340	1,052,130	550,200	258,510	84,380	207,310
2035	1,657,500	1,071,220	586,280	277,340	88,730	220,210
2040	1,708,920	1,086,710	622,200	296,320	93,020	232,860
Annual growth rate (%)						
2010-2015 3/	0.8	0.4	1.6	1.8	1.2	1.6
2015-2020	0.9	0.6	1.6	1.7	1.2	1.5
2020-2025	0.8	0.5	1.5	1.6	1.1	1.4
2025-2030	0.8	0.4	1.4	1.5	1.1	1.3
2030-2035	0.7	0.4	1.3	1.4	1.0	1.2
2035-2040	0.6	0.3	1.2	1.3	0.9	1.1
Share of state resident population (%)						
2010 3/	100.0	70.1	29.9	13.6	4.9	11.4
2015	100.0	68.8	31.2	14.3	5.0	11.8
2020	100.0	67.8	32.2	14.9	5.1	12.2
2025	100.0	66.7	33.3	15.5	5.2	12.6
2030	100.0	65.7	34.3	16.1	5.3	12.9
2035	100.0	64.6	35.4	16.7	5.4	13.3
2040	100.0	63.6	36.4	17.3	5.4	13.6

1/ Maui County including Kalawao County.

2/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present.

3/ Actual figure for July 1, 2010 from the U.S. Census Bureau.

Source: Hawaii State Department of Business, Economic Development & Tourism, Population and Economic Projections for the State of Hawaii to 2040 - DBEDT 2040 Series, Tables A-2 to A-6 (March 2012) <[http://hawaii.gov/dbedt/info/economic/data\\_reports/2040-long-range-forecast](http://hawaii.gov/dbedt/info/economic/data_reports/2040-long-range-forecast)> accessed April 17, 2012.

**Table 1.27-- PROJECTED RESIDENT POPULATION, BY AGE AND SEX: 2010, 2020, 2030 AND 2040**

[As of July 1. DBEDT 2040 Series]

Age group (in years)	2010 1/			2020			2030			2040		
	Both sexes	Male	Female									
Total	1,363,621	682,892	680,729	1,481,236	740,174	741,062	1,602,338	798,945	803,393	1,708,915	849,653	859,263
Under 5	87,180	44,890	42,290	99,686	51,298	48,388	104,779	53,890	50,889	110,839	56,984	53,856
5 to 9	83,269	42,811	40,458	92,927	47,954	44,974	99,768	51,464	48,304	104,523	53,875	50,648
10 to 14	81,629	41,751	39,878	82,139	42,467	39,672	95,896	49,510	46,386	101,000	52,109	48,891
15 to 19	85,649	44,420	41,229	83,906	43,351	40,555	94,375	48,921	45,454	101,222	52,435	48,788
20 to 24	95,834	52,001	43,833	98,714	52,101	46,613	99,833	53,146	46,687	113,582	60,183	53,399
25 to 29	96,929	50,562	46,367	103,137	52,631	50,506	102,054	51,949	50,105	112,522	57,515	55,006
30 to 34	88,280	45,053	43,227	95,038	48,854	46,184	99,548	50,005	49,543	100,711	51,079	49,632
35 to 39	86,374	43,779	42,595	92,922	47,919	45,003	100,594	50,793	49,801	99,594	50,168	49,426
40 to 44	89,757	45,343	44,414	85,227	42,868	42,358	93,008	47,213	45,795	97,584	48,413	49,171
45 to 49	95,595	48,104	47,491	83,404	41,597	41,807	90,781	46,176	44,605	98,511	49,095	49,416
50 to 54	98,262	49,004	49,258	87,716	44,112	43,604	84,050	42,126	41,924	91,888	46,491	45,397
55 to 59	93,653	46,302	47,351	93,642	46,800	46,842	82,615	41,001	41,614	90,102	45,619	44,483
60 to 64	83,116	41,315	41,801	95,688	47,078	48,610	86,522	43,007	43,514	83,464	41,406	42,059
65 to 69	59,670	29,086	30,584	88,515	42,909	45,605	89,529	43,969	45,560	79,813	38,996	40,817
70 to 74	41,757	19,355	22,402	75,070	36,178	38,892	87,438	41,808	45,630	80,059	38,772	41,286
75 to 79	35,048	15,143	19,905	51,117	23,790	27,327	76,683	35,616	41,067	78,783	37,206	41,577
80 to 84	30,716	12,341	18,375	32,320	13,901	18,419	59,195	26,688	32,506	70,556	31,712	38,845
85 & over	30,903	11,632	19,271	40,069	14,366	25,703	55,672	21,662	34,009	94,160	37,595	56,566

1/ Actual figure for July 1, 2010 from the U.S. Census Bureau.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2040 - DBEDT 2040 Series* (March 2012) <[http://hawaii.gov/dbedt/info/economic/data\\_reports/2040-long-range-forecast](http://hawaii.gov/dbedt/info/economic/data_reports/2040-long-range-forecast)> accessed April 17, 2012.

**Table 1.28-- DE FACTO POPULATION PROJECTIONS,  
BY COUNTY: 2010 TO 2040**

[Includes all persons physically present in an area, regardless of military status or usual place of residence. Includes visitors present but excludes residents temporarily absent, both calculated as an average daily census]

Type and Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
De facto population 2/ 2010 3/	1,469,236	988,316	202,552	83,352	195,015
2015	1,539,120	1,016,800	221,220	89,540	211,550
2020	1,604,140	1,043,940	239,710	94,520	225,970
2025	1,669,790	1,070,100	259,040	99,770	240,880
2030	1,732,330	1,093,210	278,440	105,020	255,670
2035	1,791,400	1,113,050	297,830	110,170	270,350
2040	1,846,530	1,129,260	317,340	115,230	284,710
Annual growth rate (%)					
2010-2015 3/	0.9	0.6	1.8	1.4	1.6
2015-2020	0.8	0.5	1.6	1.1	1.3
2020-2025	0.8	0.5	1.6	1.1	1.3
2025-2030	0.7	0.4	1.5	1.0	1.2
2030-2035	0.7	0.4	1.4	1.0	1.1
2035-2040	0.6	0.3	1.3	0.9	1.0

1/ Maui County including Kalawao County.

2/ Projected values were rounded to the nearest ten.

3/ Actual figure for July 1, 2010 from the U.S. Census Bureau.

Source: Hawaii State Department of Business, Economic Development & Tourism, Population and Economic Projections for the State of Hawaii to 2040 - DBEDT 2040 Series, Tables A-2 to A-6 (March 2012) <[http://hawaii.gov/dbedt/info/economic/data\\_reports/2040-long-range-forecast](http://hawaii.gov/dbedt/info/economic/data_reports/2040-long-range-forecast)> accessed April 17, 2012.

**Table 1.29-- RESIDENT POPULATION, BY AGE AND SEX: 2000 AND 2010**

Age	April 1, 2000			April 1, 2010		
	Both sexes	Male	Female	Both sexes	Male	Female
All ages	1,211,537	608,671	602,866	1,360,301	681,243	679,058
Under 5 years	78,163	40,110	38,053	87,407	45,019	42,388
5 to 9 years	84,980	43,739	41,241	83,361	42,847	40,514
10 to 14 years	83,106	42,740	40,366	81,539	41,699	39,840
15 to 19 years	81,002	42,200	38,802	85,994	44,590	41,404
20 to 24 years	83,409	45,709	37,700	95,829	51,981	43,848
25 to 29 years	84,000	44,016	39,984	97,302	50,683	46,619
30 to 34 years	87,159	44,391	42,768	88,031	44,921	43,110
35 to 39 years	95,935	48,760	47,175	86,756	43,994	42,762
40 to 44 years	95,242	47,817	47,425	89,617	45,253	44,364
45 to 49 years	90,404	45,130	45,274	95,787	48,213	47,574
50 to 54 years	80,575	40,523	40,052	97,978	48,831	49,147
55 to 59 years	60,561	29,905	30,656	93,340	46,148	47,192
60 to 64 years	46,400	22,293	24,107	82,222	40,879	41,343
65 to 69 years	42,847	19,503	23,344	59,170	28,849	30,321
70 to 74 years	42,415	18,919	23,496	41,353	19,140	22,213
75 to 79 years	35,386	16,020	19,366	34,675	14,940	19,735
80 to 84 years	22,389	9,626	12,763	29,702	11,904	17,798
85 years and over	17,564	7,270	10,294	30,238	11,352	18,886
5 to 17	217,604	112,115	105,489	216,411	110,993	105,418
18 to 24	114,893	62,273	52,620	130,312	70,124	60,188
25 to 44	362,336	184,984	177,352	361,706	184,851	176,855
45 to 64	277,940	137,851	140,089	369,327	184,071	185,256
16 years and over	949,184	473,683	475,501	1,091,079	543,085	547,994
18 years and over	915,770	456,446	459,324	1,056,483	525,231	531,252
21 years and over	867,329	430,630	436,699	1,003,512	497,216	506,296
65 years and over	160,601	71,338	89,263	195,138	86,185	108,953
85 years and over	17,564	7,270	10,294	30,238	11,352	18,886
Median age	36.2	35.1	37.4	38.6	37.2	39.9

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001) and 2010 Census "DP-1 - Hawaii Profile of General 2010 Demographic Profile Data" (May 19, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2011; calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 1.30-- RESIDENT POPULATION, BY AGE AND SEX:  
2010 AND 2015**

[Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present. The 2015 estimates are provisional]

Age group	April 1, 2010 1/			July 1, 2015		
	Both sexes	Male	Female	Both sexes	Male	Female
Total	1,360,301	681,243	679,058	1,431,603	725,372	706,231
Under 5 years	87,407	45,019	42,388	92,412	47,431	44,981
5 to 9 years	83,361	42,847	40,514	86,857	44,531	42,326
10 to 14 years	81,539	41,699	39,840	83,359	42,925	40,434
15 to 19 years	85,994	44,590	41,404	79,714	41,352	38,362
20 to 24 years	95,829	51,981	43,848	104,669	59,596	45,073
25 to 29 years	97,302	50,683	46,619	111,714	61,639	50,075
30 to 34 years	88,031	44,921	43,110	104,197	54,863	49,334
35 to 39 years	86,756	43,994	42,762	92,118	48,084	44,034
40 to 44 years	89,617	45,253	44,364	84,597	43,287	41,310
45 to 49 years	95,787	48,213	47,574	85,808	42,852	42,956
50 to 54 years	97,978	48,831	49,147	89,801	44,685	45,116
55 to 59 years	93,340	46,148	47,192	92,405	45,506	46,899
60 to 64 years	82,222	40,879	41,343	87,038	42,433	44,605
65 to 69 years	59,170	28,849	30,321	77,912	38,004	39,908
70 to 74 years	41,353	19,140	22,213	55,360	26,386	28,974
75 to 79 years	34,675	14,940	19,735	36,605	16,413	20,192
80 to 84 years	29,702	11,904	17,798	28,734	11,715	17,019
85 and over	30,238	11,352	18,886	38,303	13,670	24,633
5 to 17	216,411	110,993	105,418	218,421	112,151	106,270
18 to 24	130,312	70,124	60,188	136,178	76,253	59,925
25 to 44	361,706	184,851	176,855	392,626	207,873	184,753
45 to 64	369,327	184,071	185,256	355,052	175,476	179,576
16 years and over	1,091,079	543,085	547,994	1,152,629	582,093	570,536
18 years and over	1,056,483	525,231	531,252	1,120,770	565,790	554,980
21 years and over	1,003,512	497,216	506,296	1,070,883	538,818	532,065
65 years and over	195,138	86,185	108,953	236,914	106,188	130,726
85 years and over	30,238	11,352	18,886	38,303	13,670	24,633
Median age	38.6	37.2	39.9	37.8	36.0	39.8

1/ The April 1, 2010 Population Estimates base figures are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions.

Source: U.S. Census Bureau, Population Division, "Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States, Counties, and Puerto Rico Commonwealth and Municipios: April 1, 2010 to July 1, 2015 - Hawaii" (PEPAGESEX) (June 2016)

<[http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?\\_ts=453438084944](http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?_ts=453438084944)> accessed June 23, 2016

and "Annual Estimates of the Resident Population by Single Year of Age and Sex for the United States, States, and Puerto Rico Commonwealth: April 1, 2010 to July 1, 2015" (PEPSYASEX) (June 2016)

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 23, 2016;

and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.31-- POPULATION ESTIMATES BY AGE AND MILITARY STATUS:  
2010 AND 2015**

[Total includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present. The 2010 and 2015 estimates are provisional]

Age group	April 1, 2010 1/			July 1, 2015		
	Total	Military personnel	Civilian 2/	Total	Military personnel	Civilian 2/
Total	1,360,301	40,801	1,319,500	1,431,603	48,212	1,383,391
Under 5 years	87,407	-	87,407	92,412	-	92,412
5 to 9 years	83,361	-	83,361	86,857	-	86,857
10 to 14 years	81,539	-	81,539	83,359	-	83,359
15 to 19 years	85,994	1,542	84,452	79,714	1,527	78,187
20 to 24 years	95,829	12,363	83,466	104,669	14,222	90,447
25 to 29 years	97,302	10,431	86,871	111,714	12,287	99,427
30 to 34 years	88,031	6,262	81,769	104,197	8,484	95,713
35 to 39 years	86,756	5,091	81,665	92,118	5,763	86,355
40 to 44 years	89,617	3,178	86,439	84,597	3,541	81,056
45 to 49 years	95,787	1,403	94,384	85,808	1,675	84,133
50 to 54 years	97,978	422	97,556	89,801	575	89,226
55 to 59 years	93,340	89	93,251	92,405	127	92,278
60 to 64 years	82,222	20	82,202	87,038	11	87,027
65 to 69 years	59,170	-	59,170	77,912	-	77,912
70 to 74 years	41,353	-	41,353	55,360	-	55,360
75 to 79 years	34,675	-	34,675	36,605	-	36,605
80 to 84 years	29,702	-	29,702	28,734	-	28,734
85 and over	30,238	-	30,238	38,303	-	38,303
5 to 17	216,411	1	216,410	218,421	-	218,421
18 to 24	130,312	13,904	116,408	136,178	15,749	120,429
25 to 44	361,706	24,962	336,744	392,626	30,075	362,551
45 to 64	369,327	1,934	367,393	355,052	2,388	352,664
16 years and over	1,091,079	40,801	1,050,278	1,152,629	48,212	1,104,417
18 years and over	1,056,483	40,800	1,015,683	1,120,770	48,212	1,072,558
21 years and over	1,003,512	37,256	966,256	1,070,883	44,427	1,026,456
65 years and over	195,138	-	195,138	236,914	-	236,914
85 years and over	30,238	-	30,238	38,303	-	38,303
Median age	38.6	27.8	39.4	37.8	28.2	38.7

1/ The April 1, 2010 Population Estimates base figures are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions.

2/ Includes military dependents.

Source: U.S. Census Bureau, Population Division, "Annual Estimates of the Resident Population by Single Year of Age and Sex for the United States, States, and Puerto Rico Commonwealth: April 1, 2010 to July 1, 2015" (PEPSYASEX) (June 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 23, 2016 and "Annual Estimates of the Civilian Population by Single Year of Age and Sex for the United States and States: April 1, 2010 to July 1, 2015" (SC-EST2015-AGESEX-CIV) (June 2016) <<https://www.census.gov/popest/data/state/asrh/2015/index.html>> accessed June 23, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.32-- RESIDENT POPULATION BY SELECTED AGE GROUPS,  
BY COUNTY: 2015**

[As of July 1. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present. The 2015 estimates are provisional]

<b>Age group</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
Total persons	1,431,603	998,714	196,428	71,735	164,726
Under 5	92,412	65,464	12,190	4,612	10,146
5 to 13	153,806	105,566	21,730	8,081	18,429
14 to 17	64,615	43,822	9,297	3,326	8,170
18 to 24	136,178	102,867	15,667	5,292	12,352
16 years and over	1,152,629	805,420	157,864	57,349	131,996
18 years and over	1,120,770	783,862	153,211	55,716	127,981
15 to 44	577,009	419,420	69,930	25,496	62,163
25 to 44	392,626	283,913	47,261	17,742	43,710
45 to 64	355,052	235,116	54,432	19,780	45,724
65 years and over	236,914	161,966	35,851	12,902	26,195
85 years and over	38,303	28,310	4,612	1,928	3,453
Under 18 years	310,833	214,852	43,217	16,019	36,745
18 to 64 years	883,856	621,896	117,360	42,814	101,786
65 years and over	236,914	161,966	35,851	12,902	26,195
Percent:					
Under 18 years	21.7	21.5	22.0	22.3	22.3
18 to 64 years	61.7	62.3	59.7	59.7	61.8
65 years and over	16.5	16.2	18.3	18.0	15.9
Dependency ratio 2/	62	61	67	68	62

1/ Maui County including Kalawao County.

2/ Number of dependent persons (persons under 18 years and persons 65 years and over) as a proportion of the working population (persons between the ages of 18 and 64 years old). For example, a dependency ratio of 60 means that there are 60 dependent people to every 100 working-age person.

Source: U.S. Census Bureau, Population Division, "Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States, Counties, and Puerto Rico Commonwealth and Municipios: April 1, 2010 to July 1, 2015" (PEPAGESEX) (June 2016)

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 23, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.33-- RESIDENT POPULATION BY AGE, BY COUNTY: 2010**

[As of April 1. Based on place of usual residence, regardless of physical location on the estimate or census date. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present]

Age group	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total	1,360,301	953,207	185,079	67,091	154,924
Under 5 years	87,407	61,261	11,845	4,281	10,020
5 to 9 years	83,361	57,818	11,478	4,179	9,886
10 to 14 years	81,539	56,147	11,521	4,055	9,816
15 to 19 years	85,994	60,344	12,089	4,146	9,415
20 to 24 years	95,829	73,203	10,833	3,472	8,321
25 to 29 years	97,302	71,667	11,290	4,161	10,184
30 to 34 years	88,031	62,779	10,935	3,980	10,337
35 to 39 years	86,756	61,956	10,485	4,018	10,297
40 to 44 years	89,617	63,340	10,897	4,354	11,026
45 to 49 years	95,787	66,376	12,657	4,849	11,905
50 to 54 years	97,978	65,348	14,866	5,390	12,374
55 to 59 years	93,340	60,387	15,807	5,483	11,663
60 to 64 years	82,222	54,091	13,542	4,738	9,851
65 to 69 years	59,170	39,927	9,178	3,234	6,831
70 to 74 years	41,353	29,000	5,830	2,113	4,410
75 to 79 years	34,675	25,223	4,571	1,632	3,249
80 to 84 years	29,702	21,980	3,652	1,390	2,680
85 years or more	30,238	22,360	3,603	1,616	2,659
5 to 19	250,894	174,309	35,088	12,380	29,117
20 to 24	95,829	73,203	10,833	3,472	8,321
25 to 44	361,706	259,742	43,607	16,513	41,844
45 to 64	369,327	246,202	56,872	20,460	45,793
65 years and over	195,138	138,490	26,834	9,985	19,829
85 years and over	30,238	22,360	3,603	1,616	2,659
Median age	38.6	37.8	40.9	41.3	39.6

1/ Maui County includes Kalawao County.

Source: U.S. Census Bureau, 2010 Census "DP-1 - Profile of General 2010 Demographic Profile Data" (May 19, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2011; and 2010 Census Summary File 1 QT-P2 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 16, 2011; calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 1.34-- RESIDENT POPULATION BY AGE, BY COUNTY: 2015**

[As of July 1. Based on place of usual residence, regardless of physical location on the estimate or census date. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present. The 2015 estimates are provisional]

Age group	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total	1,431,603	998,714	196,428	71,735	164,726
Under 5 years	92,412	65,464	12,190	4,612	10,146
5 to 9 years	86,857	59,650	12,378	4,523	10,306
10 to 14 years	83,359	57,098	11,647	4,422	10,192
15 to 19 years	79,714	55,027	11,326	3,853	9,508
20 to 24 years	104,669	80,480	11,343	3,901	8,945
25 to 29 years	111,714	84,518	12,496	4,310	10,390
30 to 34 years	104,197	75,223	12,411	4,798	11,765
35 to 39 years	92,118	64,787	11,615	4,479	11,237
40 to 44 years	84,597	59,385	10,739	4,155	10,318
45 to 49 years	85,808	59,459	11,058	4,406	10,885
50 to 54 years	89,801	60,828	12,513	4,851	11,609
55 to 59 years	92,405	60,212	14,913	5,192	12,088
60 to 64 years	87,038	54,617	15,948	5,331	11,142
65 to 69 years	77,912	50,022	13,635	4,595	9,660
70 to 74 years	55,360	37,110	8,693	3,143	6,414
75 to 79 years	36,605	25,674	5,140	1,872	3,919
80 to 84 years	28,734	20,850	3,771	1,364	2,749
85 years or more	38,303	28,310	4,612	1,928	3,453
5 to 19	249,930	171,775	35,351	12,798	30,006
20 to 24	104,669	80,480	11,343	3,901	8,945
25 to 44	392,626	283,913	47,261	17,742	43,710
45 to 64	355,052	235,116	54,432	19,780	45,724
65 years and over	236,914	161,966	35,851	12,902	26,195
85 years and over	38,303	28,310	4,612	1,928	3,453
Median age	37.8	36.6	41.3	41.2	2/ 39.9

1/ Maui County includes Kalawao County.

2/ DBEDT calculation.

Source: U.S. Census Bureau, Population Division, "Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States, Counties, and Puerto Rico Commonwealth and Municipios: April 1, 2010 to July 1, 2015" (PEPAGESEX) (June 2016)

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 23, 2016;

and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.35-- DIFFERENCE IN POPULATION BY MAJOR RACE: 2000 AND 2010**

Subject	2000 Census		2010 Census		Race alone (difference between 2000 and 2010) 1/		Race alone or in combination (difference between 2000 and 2010) 2/	
	Race alone 1/	Race alone or in combination 2/	Race alone 1/	Race alone or in combination 2/	Number	Percent	Number	Percent
Total population	1,211,537	1,211,537	1,360,301	1,360,301	148,764	12.3	148,764	12.3
White	294,102	476,162	336,599	564,323	42,497	14.4	88,161	18.5
Black or African American	22,003	33,343	21,424	38,820	-579	-2.6	5,477	16.4
American Indian and Alaska Native	3,535	24,882	4,164	33,470	629	17.8	8,588	34.5
Asian	503,868	703,232	525,078	780,968	21,210	4.2	77,736	11.1
Native Hawaiian and Other Pacific Islander	113,539	282,667	135,422	355,816	21,883	19.3	73,149	25.9
Some other races	15,147	47,603	16,985	34,199	1,838	12.1	-13,404	-28.2

1/ One of the following six categories: (a) White, (b) Black or African American, (c) American Indian and Alaska Native, (d) Asian, (e) Native Hawaiian and Other Pacific Islander (f) Some other race. If a person selected two or more detailed races within the same major race category, the person is counted under the "race alone" category for that major race. For example, if a person selected Japanese and Chinese, they are counted under the Asian "race alone" category.

2/ Alone or in combination with one or more of the six categories listed in footnote 1. Numbers for the six categories may add to more than the total population, and the six percentages may add to more than 100 percent because individuals may be of more than one race. For example, a person indicating "American Indian *and* Alaska Native *and* Asian *and* Native Hawaiian and Other Pacific Islander" is included with American Indian and Alaska Native, with Asian, and with Native Hawaiian and Other Pacific Islander.

Source: U.S. Census Bureau, 2010 Census Redistricting Data (Public Law 94-171) Summary File (February 2011); calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.36-- RACE AND HISPANIC ORIGIN, BY COUNTY: 2010**

<b>Race and Hispanic origin</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
Total	1,360,301	953,207	185,079	67,091	154,924
One race	1,039,672	740,171	130,544	50,375	118,582
White	336,599	198,732	62,348	22,159	53,360
Black or African American	21,424	19,256	1,020	278	870
American Indian and Alaska Native	4,164	2,438	869	254	603
Asian 2/	525,078	418,410	41,050	21,016	44,602
Native Hawaiian and Other Pacific Islander 3/	135,422	90,878	22,389	6,060	16,095
Some other race	16,985	10,457	2,868	608	3,052
Two or more races	320,629	213,036	54,535	16,716	36,342
Race alone or in combination with one or more other races 4/					
White	564,323	350,690	101,344	34,166	78,123
Black or African American	38,820	32,780	2,975	789	2,276
American Indian and Alaska Native	33,470	20,482	7,210	1,876	3,902
Asian	780,968	590,926	82,944	34,270	72,828
Native Hawaiian and Other Pacific Islander	355,816	233,637	62,487	17,374	42,318
Some other race	34,199	21,915	5,450	1,574	5,260
Hispanic or Latino and Race					
Hispanic or Latino (of any race)	120,842	77,433	21,383	6,315	15,711
Mexican	35,415	21,580	5,868	1,837	6,130
Puerto Rican	44,116	27,221	9,520	2,196	5,179
Cuban	1,544	1,078	237	63	166
Other Hispanic or Latino	39,767	27,554	5,758	2,219	4,236
Not Hispanic or Latino	1,239,459	875,774	163,696	60,776	139,213
White alone	309,343	181,684	57,831	20,611	49,217

1/ Maui County includes Kalawao County (Kalaupapa Settlement). Kalawao had 90 inhabitants in 2010.

2/ Includes persons selecting one race and it was an "Asian" race as well as persons selecting two or more races of which all were "Asian" races.

3/ Includes persons selecting one race and it was an "Native Hawaiian and Other Pacific Islander" race as well as persons selecting two or more races of which all were "Native Hawaiian and Other Pacific Islander" races.

4/ In combination with one or more of the other races listed. The six numbers may add to more than the total population because individuals may report more than one race.

Source: U.S. Census Bureau, 2010 Census Redistricting Data (Public Law 94-171) Summary File (February 2011) and 2010 Census "DP-1 - Profile of General 2010 Demographic Profile Data" (May 19, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2011.

**Table 1.37-- RANKING OF SELECTED RACES: 2010**

<b>Race</b>	<b>Race alone 1/</b>	<b>Race</b>	<b>Race alone or in combination 2/</b>
White	336,599	White	564,323
Filipino	197,497	Filipino	342,095
Japanese	185,502	Japanese	312,292
Native Hawaiian	80,337	Native Hawaiian	289,970
Chinese 3/	54,955	Chinese 3/	199,751
Korean	24,203	Korean	48,699
Black or African American	21,424	Black or African American	38,820
Samoan	18,287	Samoan	37,463
Vietnamese	9,779	American Indian and Alaska Native	33,470
Marshallese	6,316	Vietnamese	13,266
Tongan	4,830	Tongan	8,085
American Indian and Alaska Native	4,164	Marshallese	7,412
Guamanian or Chamorro	2,700	Guamanian or Chamorro	6,647
Asian Indian	2,201	Okinawan	6,642
Thai	2,006	Asian Indian	4,737
Okinawan	1,886	Thai	3,701
Laotian	1,844	Laotian	2,620
Chuukese	1,683	Chuukese	2,563
Palauan	729	Tahitian	2,513
Cambodian	464	Palauan	1,216
Indonesian	399	Indonesian	990
Pohnpeian	398	Pohnpeian	775
Fijian	282	Fijian	711
Kosraean	245	Cambodian	705
Tahitian	225	Tokelauan	547
Burmese	199	Kosraean	484
Sri Lankan	186	Pakistani	303
Pakistani	174	Malaysian	297
Yapese	129	Burmese	281
Nepalese	125	Yapese	260
Mongolian	109	Sri Lankan	231
Malaysian	86	Mongolian	197
Hmong	70	Nepalese	146
Bangladeshi	60	I-Kiribati	141
Bhutanese	7	Hmong	87
		Bangladeshi	74
		Bhutanese	13

Continued on next page.

### Table 1.37-- RANKING OF SELECTED RACES: 2010 -- Con.

1/ People who chose only one race.

2/ People who chose only one race or those who have chosen two or more races. Numbers for the "race alone or in combination" column may add to more than the total population. For example, a person indicating "White *and* Japanese *and* Native Hawaiian" is included in the White, Japanese, and Native Hawaiian race categories.

3/ Includes people who chose "Chinese" or "Taiwanese" as well as people who chose both "Chinese" and "Taiwanese". The figures presented include 898 Taiwanese in the "race alone" group and 1,161 Taiwanese in the "race alone or in combination" group.

Source: U.S. Census Bureau, 2010 Census Summary File 1 Hawaii (June 16, 2011)

<<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 16, 2011 and 2010 Census Summary File 2 Hawaii (March 1, 2012) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed March 1, 2012.

**Table 1.38-- DIFFERENCE IN POPULATION BY SELECTED  
DETAILED ASIAN RACE: 2000 AND 2010**

Subject	2000 Census		2010 Census		Difference between 2000 and 2010			
	Race alone 1/	Race alone or in combination 2/	Race alone 1/	Race alone or in combination 2/	Race alone		Race alone or in combination	
					Numerical difference	Percent difference	Numerical difference	Percent difference
Total population	952,194	1,211,537	1,039,672	1,360,301	87,478	9.2	148,764	12.3
Total Asian population	3/ 469,180	814,181	3/ 482,873	941,039	13,693	2.9	126,858	15.6
Filipino	170,635	275,728	197,497	342,095	26,862	15.7	66,367	24.1
Japanese	201,764	296,674	185,502	312,292	-16,262	-8.1	15,618	5.3
Chinese 4/	55,823	169,747	53,963	198,711	-1,860	-3.3	28,964	17.1
Korean	23,537	41,352	24,203	48,699	666	2.8	7,347	17.8
Vietnamese	7,867	10,040	9,779	13,266	1,912	24.3	3,226	32.1
Asian Indian	1,441	3,145	2,201	4,737	760	52.7	1,592	50.6
Thai	1,259	2,284	2,006	3,701	747	59.3	1,417	62.0
Laotian	1,842	2,437	1,844	2,620	2	0.1	183	7.5
Taiwanese	777	1,056	898	1,161	121	15.6	105	9.9
Cambodian	235	330	464	705	229	97.4	375	113.6
Indonesian	292	709	399	990	107	36.6	281	39.6

1/ People who chose only one race and it was an "Asian" race. An "Asian" is a person having origins in any of the original peoples of the Far East, Southeast Asia or the Indian subcontinent.

2/ People who chose only one race or people who have chosen two or more races, one of which is an "Asian" race. Numbers for the detailed Asian race groups may add to more than the total Asian population, and the percentages may add to more than 100 percent because individuals may be of more than one detailed Asian race. For example, a person indicating "Filipino and Japanese and Laotian" is included with the Filipino, Japanese and Laotian categories.

3/ Does not match "Asian" total for five major races found in Table 1.33 due to the difference in counting methodology.

4/ Excludes Taiwanese.

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001) and 2010 Census Summary File 1 (June 16, 2011); calculations by the Hawaii State Department of Business, Economic Development and Tourism, Hawaii State Data Center.

**Table 1.39-- DIFFERENCE IN POPULATION BY SELECTED DETAILED  
NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER RACE: 2000 AND 2010**

Subject	2000 Census		2010 Census		Difference between 2000 and 2010			
	Race alone 1/	Race alone or in combina- tion 2/	Race alone 1/	Race alone or in combina- tion 2/	Race alone		Race alone or in combination	
					Numer- ical differ- ence	Per- cent differ- ence	Numer- ical differ- ence	Per- cent differ- ence
Total population	952,194	1,211,537	1,039,672	1,360,301	87,478	9.2	148,764	12.3
Total Native Hawaiian and Other Pacific Islander population	3/110,151	295,030	3/129,779	377,587	19,628	17.8	82,557	28.0
Native Hawaiian	80,137	239,655	80,337	289,970	200	0.2	50,315	21.0
Samoaan	16,166	28,184	18,287	37,463	2,121	13.1	9,279	32.9
Tongan	3,993	5,988	4,830	8,085	837	21.0	2,097	35.0
Guamanian or Chamorro	1,663	4,221	2,700	6,647	1,037	62.4	2,426	57.5
Fijian	214	459	282	711	68	31.8	252	54.9

1/ People who chose only one race and it was a "Native Hawaiian and Other Pacific Islander" race. A "Native Hawaiian and Other Pacific Islander" is a person having origins in any of the original peoples of the Hawaii, Guam, Samoa, or other Pacific Islands.

2/ People who chose only one race or those who have chosen two or more races, one of which is a "Native Hawaiian and Other Pacific Islander" (NHOPI) race. Numbers for detailed NHOPI race groups may add to more than the total NHOPI population, and the percentages may add to more than 100% because individuals may be of more than one detailed NHOPI race, e.g., a person indicating "Native Hawaiian and Samoan and Chamorro" is included with the Native Hawaiian, Samoan and Chamorro categories.

3/ Does not match the "Native Hawaiian and Other Pacific Islander" total for five major races in Table 1.36 due to the difference in counting methodology.

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001) and 2010 Census Summary File 1 (June 16, 2011); calculations by the Hawaii State Department of Business, Economic Development and Tourism, Hawaii State Data Center.

**Table 1.40-- ETHNIC STOCK BY COUNTY: 2012**

[Sample survey consisted of 11,904 people. Data were weighted based on the 2010 Census data]

<b>Ethnic stock 1/</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>
All groups	1,392,313	976,444	189,206	68,438	158,224
Unmixed (except Hawaiian)	717,503	509,948	90,640	36,956	79,960
Caucasian	258,484	143,896	54,191	17,792	42,607
Black	4,906	(2/)	(2/)	(2/)	(2/)
Japanese	241,007	207,065	16,528	5,945	11,469
Chinese	47,378	45,182	348	476	1,372
Filipino	145,398	92,091	17,956	12,662	22,689
Korean	12,004	11,076	(2/)	(2/)	495
Samoan/Tongan	8,327	(2/)	(2/)	(2/)	(2/)
Mixed (except Hawaiian) 3/	351,587	254,806	48,385	14,601	33,794
Hawaiian/part Hawaiian	323,223	211,690	50,181	16,881	44,471

1/ Ethnicity is based on the ethnicity of the father and mother (four possible listings for each parent). Definitions used in this table differ from those in reports by the U.S. Census Bureau. In the 1980 and 1990 census tabulations, a person's ethnicity was determined by self-identification or by the race of the mother, thus mixed race was not a separate category. For the Census 2000 and the 2010 Census, people were allowed to select more than one race.

2/ Total sample size for the group was less than 50 or the county had a cell with zero sampled so data was suppressed.

3/ Includes other ethnicities not listed, don't know, refused or missing (57,800). The figure shown is the weighted figure.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, special tabulation from the Hawaii Health Survey.

**Table 1.41-- NATIVE HAWAIIANS LIVING IN HAWAII OR OTHER STATES:  
2000 AND 2010**

Place of residence	2000 Census		2010 Census		Percent change between 2000 and 2010	
	Race alone 1/	Race alone or in combination 2/	Race alone 1/	Race alone or in combination 2/	Race alone 1/	Race alone or in combination 2/
Native Hawaiians in U.S.	140,652	401,162	156,146	527,077	11.0	31.4
Living in Hawaii	80,137	239,655	80,337	289,970	0.2	21.0
Living in selected other states	49,334	133,333	61,796	194,499	25.3	45.9
California	20,571	60,048	21,423	74,932	4.1	24.8
Washington	4,883	13,507	5,861	19,863	20.0	47.1
Nevada	3,471	8,264	6,459	16,339	86.1	97.7
Texas	3,475	7,775	4,794	13,192	38.0	69.7
Oregon	2,244	6,366	3,060	9,719	36.4	52.7
Arizona	1,985	4,906	3,837	9,549	93.3	94.6
Florida	2,131	5,285	2,809	8,023	31.8	51.8
Utah	1,251	3,642	1,911	6,525	52.8	79.2
Colorado	1,435	3,990	1,783	5,670	24.3	42.1
New York	1,684	3,758	1,802	5,108	7.0	35.9
Virginia	1,023	2,795	1,410	4,699	37.8	68.1
North Carolina	932	2,390	1,389	4,182	49.0	75.0
Georgia	866	2,183	1,319	3,976	52.3	82.1
Illinois	1,003	2,506	1,122	3,636	11.9	45.1
Pennsylvania	897	2,051	940	3,043	4.8	48.4
Ohio	788	1,989	928	3,037	17.8	52.7
Alaska	695	1,878	949	3,006	36.5	60.1
Remainder of the states in the U.S.	11,181	28,174	14,013	42,608	25.3	51.2

1/ People who chose only one race and it was "Native Hawaiian".

2/ People who chose only one race or those who have chosen two or more races, one of which is a "Native Hawaiian". Numbers for race groups may add to more than the total population because individuals may be of more than one race, i.e., a person indicating "Native Hawaiian and Samoan and Chinese" is included with the Native Hawaiian, Samoan and Chinese categories.

Source: U.S. Bureau of the Census, Census 2000 Summary File 1 Hawaii (July 25, 2001) and 2010 Census SF1 100% Data <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed November 3, 2011.

**Table 1.42-- SELECTED ANCESTRY: 2010-2014**

[Ancestry refers to a person's self-identification of heritage, ethnic origin, descent, or close identification to an ethnic group. People reported each of their ancestries. Therefore, some people may be counted more than once in this table. Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2010 to 2014]

Ancestry group 1/	Number	Percent of total population
Total	2/ 1,392,704	(3/)
German	86,024	6.2
Irish	64,205	4.6
English	54,465	3.9
Portuguese	51,784	3.7
Italian	29,741	2.1
French (except Basque)	20,017	1.4
American	19,467	1.4
Scottish	15,666	1.1
Polish	12,682	0.9
European	10,892	0.8
Norwegian	10,190	0.7
Swedish	9,795	0.7
Dutch	8,364	0.6
Scotch-Irish	6,757	0.5
Russian	5,323	0.4
British	3,887	0.3
Danish	3,878	0.3
Welsh	3,780	0.3
Swiss	2,846	0.2
French Canadian	2,807	0.2
Czech	2,755	0.2
Hungarian	2,650	0.2
Greek	2,420	0.2
Subsaharan African	2,416	0.2
Arab	2,365	0.2
West Indian (except Hispanic groups)	2,277	0.2

1/ Ancestry groups containing 2,000 or more people.

2/ People were allowed to choose more than one ancestry. The total population count for the State of Hawaii was 1,392,704 persons. From this group, there were a total of 1,610,198 ancestry responses.

3/ The sum of all categories was more than 100% because people were allowed to choose more than one ancestry.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, B04006 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed January 15, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.43-- PLACE OF BIRTH AND CITIZENSHIP: 2010-2014**

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2010 to 2014]

Place of birth and citizenship	Number	Percent
Total population	1,392,704	100.0
Native	1,143,424	82.1
Born in Hawaii	752,548	54.0
Born in other state in the U.S.	348,797	25.0
Northeast	54,072	3.9
Midwest	64,442	4.6
South	82,484	5.9
West	147,799	10.6
Born outside United States	42,079	3.0
Puerto Rico	1,855	0.1
U.S. Island Areas	12,167	0.9
Born abroad of American parent(s)	28,057	2.0
Foreign born	249,280	17.9
Naturalized U.S. citizen	140,906	10.1
Not a U.S. citizen	108,374	7.8
18 years and over	1,086,115	100.0
Native	852,475	78.5
Foreign born	233,640	21.5
Naturalized U.S. citizen	136,775	12.6
Not a U.S. citizen	96,865	8.9

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, Tables B05002 and B05003 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed January 15, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.44-- LANGUAGE SPOKEN AT HOME BY ABILITY TO SPEAK ENGLISH, BY AGE: 2010-2014**

[Persons 5 years old and over. The 2010-2014 ACS 5-year dataset that was used describes the average characteristics of people living in Hawaii between the years 2010 and 2014. Based on a sample and subject to sampling variability]

Language spoken at home	Total	5 to 17 years	18 to 64 years	65 years and over
Total	1,302,601	216,486	874,459	211,656
Speak English only	973,529	175,386	649,072	149,071
Spanish	25,114	3,399	20,109	1,606
Speak English "very well"	18,140	2,759	14,118	1,263
Speak English "well"	5,184	487	4,482	215
Speak English less than "well"	1,790	153	1,509	128
Other Indo-European 1/	18,544	1,964	13,574	3,006
Speak English "very well"	15,022	1,426	11,292	2,304
Speak English "well"	2,956	487	1,936	533
Speak English less than "well"	566	51	346	169
Asian and Pacific Island	282,843	35,424	189,714	57,705
Speak English "very well"	133,003	23,241	90,847	18,915
Speak English "well"	90,465	9,625	63,757	17,083
Speak English less than "well"	59,375	2,558	35,110	21,707
Other	2,571	313	1,990	268
Speak English "very well"	1,356	42	1,227	87
Speak English "well"	726	226	457	43
Speak English less than "well"	489	45	306	138

1/ Languages included in the "Other Indo-European" category are French, French Creole, Italian, Portugese or Portugese Creole, German, Yiddish, other West Germanic languages, Scandinavian languages, Greek, Russian, Polish, Serbo-Croatian, other Slavic languages, Armenian, Persian, Gujarati, Hindi, Urdu, and other Indic languages.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, B16004 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed January 15, 2016 and American Community Survey Puerto Rico Survey 2014 Subject Definitions; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.45-- LANGUAGE SPOKEN AT HOME, BY COUNTY: 2010-2014**

[Persons 5 years old and over. The 2010-2014 ACS 5-year dataset that was used describes the average characteristics of people living in Hawaii between the years 2010 and 2014. Based on a sample and subject to sampling variability]

Language spoken at home 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 2/
Total	1,302,601	911,999	177,488	64,306	148,808
Speak only English	973,529	660,881	144,734	50,499	117,415
Spanish or Spanish Creole	25,114	16,973	4,101	1,269	2,771
French (incl. Patois, Cajun)	3,875	2,449	457	318	651
French Creole	311	308	-	3	-
Italian	621	399	18	96	108
Portuguese or Portuguese Creole	1,860	1,148	269	48	395
German	4,431	2,928	585	410	508
Yiddish	40	2	35	3	-
Other West Germanic languages	483	297	132	21	33
Scandinavian languages	699	390	105	15	189
Greek	204	145	10	16	33
Russian	1,109	676	300	83	50
Polish	568	378	129	53	8
Serbo-Croatian	177	160	-	17	-
Other Slavic languages	657	387	113	27	130
Armenian	72	8	64	-	-
Persian	424	313	53	-	58
Gujarati	44	13	24	7	-
Hindi	522	422	4	46	50
Urdu	36	32	4	-	-
Other Indic languages	464	385	6	3	70
Other Indo-European languages	1,947	1,031	506	209	201
Chinese	31,146	29,805	432	424	485
Japanese	45,356	38,220	3,954	1,071	2,111
Korean	17,190	15,579	934	314	363
Mon-Khmer, Cambodian	243	164	60	-	19
Hmong	33	33	-	-	-
Thai	1,884	1,446	203	118	117
Laotian	2,233	2,181	15	-	37
Vietnamese	9,387	8,871	202	69	245
Other Asian languages	914	832	73	4	5
Tagalog	59,621	45,658	4,948	2,619	6,396
Other Pacific Island languages	114,836	77,417	14,791	6,502	16,126
Navajo	42	37	-	-	5
Other Native North American languages	789	731	48	-	10

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**Table 1.45-- LANGUAGE SPOKEN AT HOME, BY COUNTY: 2010-2014 -- Con.**

Language spoken at home 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 2/
Hungarian	136	77	24	23	12
Arabic	584	395	90	8	91
Hebrew	320	237	45	-	38
African languages	483	452	9	4	18
Other and unspecified languages	217	139	11	7	60

1/ All data based on samples include a range of uncertainty. Margin of errors may be utilized regarding this uncertainty for the estimates in the above table and are available from the data source. Also, methodological changes to data collection in 2013 may have affected language data for 2013. Users should be aware of these changes when using multi-year data such as this one which contains data from 2013.

2/ Maui County includes Kalawao County.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, B16001  
 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 29, 2016.

**Table 1.46-- LANGUAGE SPOKEN AT HOME, BY EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS: 2010-2014**

[Persons 25 years old and over. The 2010-2014 ACS 5-year dataset that was used describes the average characteristics of people living in Hawaii between the years 2010 and 2014. Based on a sample and subject to sampling variability]

Subject	Language spoken at home				
	Only English	Spanish	Other Indo-European	Asian and Pacific Island	Other languages
Total	691,856	17,421	14,953	224,558	2,075
Educational attainment					
Less than high school graduate	38,968	2,206	644	46,169	234
High school graduate 1/	194,914	3,501	2,395	66,143	460
Some college/associate's degree	232,238	6,504	4,787	61,288	672
Bachelor's degree or higher	225,736	5,210	7,127	50,958	709
Employment status					
In labor force	462,068	12,814	9,262	143,665	1,420
Not in labor force	229,788	4,607	5,691	80,893	655
In percent	100.0	100.0	100.0	100.0	100.0
Educational attainment	100.0	100.0	100.0	100.0	100.0
Less than high school graduate	5.6	12.7	4.3	20.6	11.3
High school graduate 1/	28.2	20.1	16.0	29.5	22.2
Some college/associate's degree	33.6	37.3	32.0	27.3	32.4
Bachelor's degree or higher	32.6	29.9	47.7	22.7	34.2
Employment status					
In labor force	66.8	73.6	61.9	64.0	68.4
Not in labor force	33.2	26.4	38.1	36.0	31.6

1/ Includes equivalency.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, B16010 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 20, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.47-- RANKING OF SELECTED DETAILED LANGUAGE  
SPOKEN AT HOME: 2010-2014**

[Persons 5 years old and over. Based on a tabulation from the 2014 ACS 5-year dataset which included 39 detailed language categories. Figures displayed describes the average characteristics of people living in Hawaii between the years 2010 and 2014. Based on a sample and subject to sampling variability]

<b>Language spoken at home 1/</b>	<b>Total</b>	<b>Speak English "very well"</b>	<b>Speak English less than "very well"</b>
Total	1,302,601	(X)	(X)
Spoke only English at home	973,529	(X)	(X)
Spoke a language other than English at home	329,072	167,521	161,551
Other Pacific Island languages	114,836	58,247	56,589
Tagalog	59,621	28,172	31,449
Japanese	45,356	24,068	21,288
Chinese	31,146	11,497	19,649
Spanish or Spanish Creole	25,114	18,140	6,974
Korean	17,190	5,595	11,595
Vietnamese	9,387	3,038	6,349
German	4,431	3,777	654
French (incl. Patois, Cajun)	3,875	3,213	662
Laotian	2,233	871	1,362
Other Indo-European languages	1,947	1,709	238
Thai	1,884	795	1,089
Portuguese or Portuguese Creole	1,860	1,579	281
Russian	1,109	837	272
Other Asian languages	914	503	411
Other Native North			
American languages	789	77	712
Scandinavian languages	699	594	105
Other Slavic languages	657	544	113
Italian	621	489	132
Arabic	584	498	86
Polish	568	448	120
Hindi	522	271	251
Other West Germanic languages	483	450	33
African languages	483	250	233
Other Indic languages	464	329	135
Persian	424	330	94
Hebrew	320	249	71
French Creole	311	52	259
Mon-Khmer, Cambodian	243	194	49
Other and unspecified languages	217	180	37

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**Table 1.47-- RANKING OF SELECTED DETAILED LANGUAGE  
SPOKEN AT HOME: 2010-2014 -- Con.**

<b>Language spoken at home 1/</b>	<b>Total</b>	<b>Speak English "very well"</b>	<b>Speak English less than "very well"</b>
Spoke a language other than English at home (con):			
Greek	204	90	114
Serbo-Croatian	177	156	21
Hungarian	136	85	51
Armenian	72	57	15
Gujarati	44	31	13
Navajo	42	17	25
Yiddish	40	40	-
Urdu	36	26	10
Hmong	33	23	10

X Not applicable.

1/ All data based on samples include a range of uncertainty. Margin of errors may be utilized regarding this uncertainty for the estimates in the above table and are available from the data source. Also, methodological changes to data collection in 2013 may have affected language data for 2013. Users should be aware of these changes when using multi-year data such as this one which contains data from 2013.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, B16001 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed January 15, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.48-- TOP 25 DETAILED LANGUAGES OTHER THAN ENGLISH SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH: 2009-2013**

[Persons 5 years old and over. Based on a special tabulation of the 2009-2013 ACS 5-year dataset which included 130 detailed languages spoken in Hawaii. Figures displayed describes the average characteristics of people living in Hawaii between the years 2009 and 2013. Based on a sample and subject to sampling variability]

Rank	Language other than English spoken at home 1/	Number of speakers	% of total speakers	Speak English less than "very well"	% speak English less than "very well"
	State total	326,893	25.4	159,497	48.8
1	Tagalog	58,345	17.8	30,147	51.7
2	Ilocano	54,005	16.5	33,085	61.3
3	Japanese	45,633	14.0	21,262	46.6
4	Spanish	25,490	7.8	7,010	27.5
5	Hawaiian	18,610	5.7	3,010	16.2
6	Chinese	17,360	5.3	10,450	60.2
7	Korean	17,276	5.3	11,713	67.8
8	Samoan	12,795	3.9	4,400	34.4
9	Vietnamese	9,418	2.9	6,686	71.0
10	Cantonese	7,890	2.4	5,375	68.1
11	Marshallese	6,930	2.1	3,840	55.4
12	Mandarin	5,650	1.7	3,705	65.6
13	German	4,615	1.4	825	17.9
14	Trukese	4,475	1.4	3,410	76.2
15	French	4,405	1.3	715	16.2
16	Micronesian	3,965	1.2	2,210	55.7
17	Tongan	3,860	1.2	1,515	39.2
18	Bisayan	3,005	0.9	1,640	54.6
19	Laotian	2,279	0.7	1,462	64.2
20	Thai	1,920	0.6	1,045	54.4
21	Portuguese	1,915	0.6	320	16.7
22	Pidgin	1,275	0.4	185	14.5
23	Russian	1,169	0.4	347	29.7
24	Indonesian	880	0.3	570	64.8
25	Chamorro	820	0.3	235	28.7

1/ All data based on samples include a range of uncertainty. Margin of errors may be utilized regarding this uncertainty for the estimates in the above table and are available from the data source. Also, methodological changes to data collection in 2013 may have affected language data for 2013. Users should be aware of these changes when using multi-year data such as this one which contains data from 2013.

Source: U.S. Census Bureau, "Detailed Languages Spoken at Home and Ability to Speak English for the Population 5 Years and Over: 2009-2013" (October 2015) <<https://www.census.gov/data/tables/2013/demo/2009-2013-lang-tables.html>> and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.49-- HOUSEHOLD TYPE AND RELATIONSHIP, BY COUNTY: 2010**

Household type and relationship	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total persons	1,360,301	953,207	185,079	67,091	154,924
In households	1,317,421	917,907	181,435	65,930	152,149
Householder	455,338	311,047	67,096	23,240	53,955
Spouse	230,076	161,172	31,834	11,654	25,416
Child	362,370	256,609	47,628	17,807	40,326
Own child under 18 years	230,892	159,209	32,560	11,505	27,618
Other relatives	167,820	122,729	19,123	7,770	18,198
Under 18 years	63,047	44,763	8,137	3,195	6,952
Nonrelatives	101,817	66,350	15,754	5,459	14,254
Under 18 years	7,174	4,543	1,217	431	983
65 years and over	7,634	5,428	1,053	333	820
Unmarried partner	33,068	19,169	6,627	2,049	5,223
In group quarters	42,880	35,300	3,644	1,161	2,775
Institutionalized population	11,306	7,658	1,563	628	1,457
Noninstitutionalized population	31,574	27,642	2,081	533	1,318
Total households	455,338	311,047	67,096	23,240	53,955
Family households (families)	313,907	217,842	44,407	16,147	35,511
With own children under 18 years	126,155	87,203	17,296	6,368	15,288
Husband-wife family	230,076	161,172	31,834	11,654	25,416
With own children under 18 years	91,610	65,995	11,141	4,289	10,185
Male householder, no wife present	26,590	17,235	4,315	1,569	3,471
With own children under 18 years	10,737	6,181	2,101	779	1,676
Female householder, no husband present	57,241	39,435	8,258	2,924	6,624
With own children under 18 years	23,808	15,027	4,054	1,300	3,427
Nonfamily households	141,431	93,205	22,689	7,093	18,444
Householder living alone	106,175	70,916	16,843	5,255	13,161
Male	51,465	33,882	8,593	2,493	6,497
65 years and over	12,371	8,103	2,197	655	1,416
Female	54,710	37,034	8,250	2,762	6,664
65 years and over	24,603	16,870	3,690	1,370	2,673
Households with individuals					
Under 18 years	156,045	108,131	21,340	7,989	18,585
65 years and over	137,815	96,947	19,541	7,175	14,152
Average household size	2.89	2.95	2.70	2.84	2.82
Average family size	3.42	3.48	3.22	3.31	(NA)

NA Not available.

1/ Maui County includes Kalawao County.

Source: U.S. Census Bureau, 2010 Census "DP-1 - Hawaii Profile of General 2010 Demographic Profile Data" (May 19, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2011.

**Table 1.50-- HOUSEHOLDS, FAMILIES, AND GROUP QUARTERS:  
1950 TO 2010**

Year	Households	Families	Persons in --			Average size	
			Households	Families	Group quarters	Households	Families
1950	111,858	96,460	463,230	(NA)	36,564	4.14	(NA)
1960	153,064	129,481	592,807	555,894	39,965	3.87	4.29
1970	203,088	170,358	730,095	678,343	38,466	3.59	3.98
1980	294,052	226,035	925,092	814,983	39,599	3.15	3.61
1990	356,268	263,456	1,070,607	915,783	37,632	3.01	3.48
2000	403,240	287,068	1,175,755	982,348	35,782	2.92	3.42
2010	455,338	313,907	1,317,421	1,074,173	42,880	2.89	3.42

NA Not available.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1950, General Characteristics, Hawaii*, P-B52 (1952), table 15; *U.S. Census of Population: 1960, General Population Characteristics, Hawaii*, PC (1)-13B, table 19; *1970 Census of Population, General Population Characteristics, Hawaii*, PC (1)-B13 (May 1971), table 22; *1980 Census of Population, General Population Characteristics, Hawaii*, PC80-1-B13 (July 1982), table 21; *1990 Census of Population, General Population Characteristics, Hawaii*, 1990 CP-1-13 (June 1992), table 39; 2000 Census of Population and Housing, *Summary Population and Housing Characteristics Hawaii: 2000*; Census 2000 Summary File 1 Hawaii (July 25, 2001); U.S. Census Bureau, 2010 Census "DP-1 - Hawaii Profile of General 2010 Demographic Profile Data" (May 19, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2011 and 2010 Census Summary File 1 (June 16, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 17, 2011.

**Table 1.51-- HOUSEHOLDS AND HOUSEHOLD POPULATIONS:  
2000 TO 2014**

[Data based on a sample. The American Community Survey had different sample designs and sample sizes for the years 2000 through 2004. From 2005 onward, it was at full sample size and design. Therefore, caution should be used when comparing data over this time period]

<b>Date</b>	<b>Households</b>	<b>Population in households</b>	<b>Average household size</b>
2000	386,824	1,175,755	3.04
2001	411,647	1,188,615	2.89
2002	415,479	1,208,537	2.91
2003	419,441	1,221,885	2.91
2004	427,673	1,227,008	2.87
2005	430,007	1,238,158	2.88
2006	432,632	1,247,951	2.88
2007	439,685	1,247,553	2.84
2008	437,105	1,253,999	2.87
2009	446,136	1,260,211	2.82
2010	445,812	1,320,741	2.96
2011	448,536	1,331,912	2.97
2012	447,748	1,348,497	3.01
2013	450,120	1,360,772	3.02
2014	450,769	1,375,345	3.05

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, "DP02: Selected Social Characteristics in the United States - Hawaii" (annual)  
<<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed September 17, 2015.

**Table 1.52-- HOUSING UNITS, HOUSEHOLDS BY AGE, AND  
PERSONS PER HOUSEHOLD: 2000 AND 2010**

Subject	April 1, 2000	April 1, 2010	Percent change
Total housing units	460,542	519,508	12.8
Households by age of householder, total	403,240	455,338	12.9
15 to 24 years	16,324	16,597	1.7
25 to 34 years	60,907	61,422	0.8
35 to 44 years	88,254	75,796	-14.1
45 to 54 years	89,742	93,993	4.7
55 to 64 years	57,934	94,650	63.4
65 years and over	90,079	112,880	25.3
65 to 74 years	47,296	57,317	21.2
75 to 84 years	33,957	38,401	13.1
85 years and over	8,826	17,162	94.4
Persons in households	1,175,755	1,317,421	12.0
Persons per household 1/	2.92	2.89	-1.0

1/ The U.S. average in 2010 was 2.58.

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001), 2010 Census DP-1 - Hawaii Profile of General 2010 Demographic Profile Data (May 19, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2011 and 2010 Census Summary File 1 (June 16, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 20, 2011.

**Table 1.53-- HOUSEHOLDS, POPULATION IN HOUSEHOLDS, AND  
POPULATION PER HOUSEHOLD, BY COUNTY AND ISLAND:  
2000 AND 2010**

County and island	Households		Population in households		Population per household	
	2000	2010	2000	2010	2000	2010
State total	403,240	455,338	1,175,755	1,317,421	2.92	2.89
County						
Hawaii	52,985	67,096	145,873	181,435	2.75	2.70
Maui 1/	43,622	53,955	126,840	152,149	2.91	2.82
Honolulu	286,450	311,047	845,211	917,907	2.95	2.95
Kauai	20,183	23,240	57,831	65,930	2.87	2.84
Island						
Hawaii	52,985	67,096	145,873	181,435	2.75	2.70
Maui	40,156	50,215	116,417	141,691	2.90	2.82
Lanai	1,161	1,158	3,182	3,135	2.74	2.71
Molokai	2,305	2,582	7,241	7,323	3.14	2.84
Oahu	286,450	311,047	845,211	917,907	2.95	2.95
Kauai	20,147	23,213	57,671	65,760	2.86	2.83
Niihau	36	27	160	170	4.44	6.30

1/ Maui County includes Kalawao County.

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001) and Census 2000 QT-P10 and QT-H3 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 28, 2011; U.S. Census Bureau, 2010 Census Redistricting Data (Public Law 94-171) Summary File (February 2011) and 2010 Census Advance Quarters Summary File (April 2011); calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.54-- POPULATION IN GROUP QUARTERS, BY TYPE OF  
GROUP QUARTER, BY COUNTY: 2010**

<b>Type of group quarter</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
Total in group quarters	42,880	35,300	3,644	1,161	2,775
Institutionalized population 2/	11,306	7,658	1,563	628	1,457
Correctional facilities for adults	5,673	3,906	745	290	732
Federal detention centers	704	704	-	-	-
State prisons	4,548	3,049	478	289	732
Local jails 3/	12	12	-	-	-
Correctional residential facilities	382	114	267	1	-
Military disciplinary barracks/jails	27	27	-	-	-
Juvenile facilities	280	188	28	23	41
Group homes (non-correctional)	115	73	6	23	13
Residential treatment centers (non-correctional)	46	12	22	-	12
Correctional facilities intended for juveniles	119	103	-	-	16
Nursing facilities/skilled nursing facilities	5,198	3,425	776	315	682
Other institutional facilities	155	139	14	-	2
Mental 4/	71	60	9	-	2
In-patient hospice facilities	34	34	-	-	-
Military treatment facilities with assigned patients	27	27	-	-	-
Residential schools for people with disabilities	18	18	-	-	-
Noninstitutionalized population 5/	31,574	27,642	2,081	533	1,318
College/University student housing	7,540	6,716	824	-	-
Military quarters	12,551	12,551	-	-	-
Military barracks/dorms (non-disciplinary)	8,806	8,806	-	-	-
Military ships	3,745	3,745	-	-	-
Other noninstitutional facilities	11,483	8,375	1,257	533	1,318
Emergency/transitional shelter 6/	2,909	2,276	247	12	374
Group homes intended for adults	1,532	1,223	162	70	77
Residential treatment centers for adults	463	361	63	-	39
Maritime/merchant vessels	34	34	-	-	-
Workers' group living quarters and Job Corps centers	1,544	1,073	232	22	217
Other noninstitutional facilities	5,001	3,408	553	429	611

Continued on next page.

**Table 1.54-- POPULATION IN GROUP QUARTERS, BY TYPE OF  
GROUP QUARTER, BY COUNTY: 2010 -- Con.**

1/ Maui County including Kalawao County (Kalaupapa Settlement). Kalawao County had 3 people living in group quarters.

2/ Includes people who are primarily ineligible, unable, or unlikely to participate in the labor force while residents in the group quarters facility.

3/ Includes other municipal confinement facilities.

4/ Psychiatric hospitals and psychiatric units in other hospitals.

5/ Includes people who are primarily eligible, able, or likely to participate in the labor force while residents in the group quarters facility.

6/ With sleeping facilities for people experiencing homelessness.

Source: U.S. Census Bureau, 2010 Census Summary File 1 (June 16, 2011)

<<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed July 8, 2011.

**Table 1.55 -- SUBFAMILIES, BY COUNTY: 2010-2014**

[Population in subfamilies. Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2010 to 2014]

<b>Subject 1/</b>	<b>State total 2/</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>
Total	117,696	85,500	13,763	5,775	12,658
In married-couple subfamilies	68,747	51,798	7,222	2,761	6,966
Husband/wife in a childless subfamily	24,645	18,486	2,517	1,228	2,414
Husband/wife in a subfamily with children	23,703	17,668	2,734	878	2,423
Child	20,399	15,644	1,971	655	2,129
In mother-child subfamilies	37,410	26,583	4,218	2,092	4,517
Parent	15,677	10,772	1,956	873	2,076
Child	21,733	15,811	2,262	1,219	2,441
In father-child subfamilies	11,539	7,119	2,323	922	1,175
Parent	5,193	3,091	1,140	383	579
Child	6,346	4,028	1,183	539	596

1/ A subfamily is a married couple (husband and wife interviewed as members of the same household) with or without never-married children under 18 years old, or one parent with one or more never-married children under 18 years old. A subfamily does not maintain its own household, but lives in a household where the householder or householder's spouse is a relative.

2/ There was no population living in subfamilies in Kalawao County.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, B11014 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed January 15, 2016.

**Table 1.56-- MARITAL STATUS, BY SEX: 2010-2014**

[Persons 15 years old and over. Based on a sample and subject to sampling variability.  
Figures displayed are the average values over the 5-year period of 2010 to 2014]

Marital status	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
Total	1,135,369	100.0	569,152	100.0	566,217	100.0
Never married	376,278	33.1	213,392	37.5	162,886	28.8
Now married	580,974	51.2	293,280	51.5	287,694	50.8
Married, spouse present	511,439	45.0	259,045	45.5	252,394	44.6
Married, spouse absent	69,535	6.1	34,235	6.0	35,300	6.2
Separated	15,719	1.4	7,053	1.2	8,666	1.5
Other	53,816	4.7	27,182	4.8	26,634	4.7
Widowed	70,596	6.2	14,151	2.5	56,445	10.0
Divorced	107,521	9.5	48,329	8.5	59,192	10.5

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, B12001  
<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 20, 2016; and  
calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.57--SINGLE, WIDOWED, OR DIVORCED PERSONS BY SEX,  
BY COUNTY: 2010-2014**

[Persons 15 years old and over. Based on a sample and subject to sampling variability.  
Figures displayed are the average values over the 5-year period of 2010 to 2014]

County	Never married, widowed, or divorced				Never married			
	Total	Male	Female	Sex ratio	Total	Male	Female	Sex ratio
State total	554,395	275,872	278,523	99.0	376,278	213,392	162,886	131.0
C & C Honolulu	386,972	193,603	193,369	100.1	267,982	152,567	115,415	132.2
Hawaii	77,996	37,935	40,061	94.7	50,283	28,109	22,174	126.8
Kauai	26,632	13,207	13,425	98.4	17,402	9,739	7,663	127.1
Maui 1/	62,795	31,127	31,668	98.3	40,611	22,977	17,634	130.3

1/ Maui County including Kalawao County.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, B12001  
<<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 20, 2016;  
and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.58-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION,  
BY COUNTY: 2000 TO 2010**

[Data refer to ten year period ending March 31, 2010. For 1990-2000 estimates, see *Data Book 2009*, Table 1.59]

<b>Component</b>	<b>State total</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui 1/</b>
Net change	148,764	77,051	36,402	8,628	26,683
Natural increase	93,118	68,958	9,914	3,517	10,729
Live births	182,769	132,184	22,705	8,183	19,697
Deaths	89,651	63,226	12,791	4,666	8,968
Net migration 2/	55,646	8,093	26,488	5,111	15,954

1/ Maui County including Kalawao County.

2/ Residual based on net change less natural increase.

Source: U.S. Census Bureau, "Table 1. The Counties and the Most Populous Places in 2010 in Hawaii: 2000 and 2010" (February 24, 2011) <[http://2010.census.gov/news/xls/cb11cn41\\_hi\\_2010redistr.xls](http://2010.census.gov/news/xls/cb11cn41_hi_2010redistr.xls)> accessed February 24, 2011; Hawaii State Department of Health, Office of Health Status Monitoring; calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.59-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION,  
BY COUNTY: 2010 TO 2015**

<b>Component</b>	<b>State total</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui 1/</b>
Resident population					
April 1, 2010 (estimates base) 2/	1,360,301	953,207	185,079	67,090	154,925
July 1, 2015 (estimate)	1,431,603	998,714	196,428	71,735	164,726
Net change 3/	71,302	45,507	11,349	4,645	9,801
Resident births	100,046	71,809	12,889	4,641	10,707
Resident deaths	56,486	39,221	8,275	2,995	5,995
Foreign migrants (net) 4/	46,782	36,923	3,590	2,221	4,048
Internal migrants (net) 5/	-18,423	-23,089	2,929	725	1,012

1/ Maui County including Kalawao County.

2/ The estimates are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions..

3/ Total population change includes a residual which is not shown in this table.

4/ Net international migration includes the international migration of both native and foreign-born populations. Specifically, it includes: (a) the net international migration of the foreign born, (b) the net migration between the United States and Puerto Rico, (c) the net migration of natives to and from the United States, and (d) the net movement of the Armed Forces population between the United States and overseas.

5/ Net of migration (a) to the State of Hawaii from other states (b) from the State of Hawaii to other states and (c) from one county to another county in the State of Hawaii. This migration figure includes the Armed Forces and their dependents. Excludes movement between Hawaii and Puerto Rico.

Source: U.S. Census Bureau, Population Division "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2015 (PEPANNRES)" and "Estimates of the Components of Resident Population Change: April 1, 2010 to July 1, 2015 (PEPTCOMP)" (released March 24, 2016)  
<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed March 24, 2016.

**Table 1.60-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION,  
BY MILITARY STATUS: 2010 TO 2014**

[Revised. Not comparable to tables in *Data Books* prior to 2004  
because of the recalculation of armed forces death data]

Period and component 1/	All groups	Armed forces	Civilian population			
			Military dependents	Not military dependents		
				Number	Annual average	Percent distrib.
Net change	59,956	6,420	-1,835	55,371	13,028	100.0
Natural increase	38,096	-136	14,590	23,314	5,486	42.1
Live births	80,415	(X)	14,918	65,497	15,411	(X)
Deaths	42,319	136	328	42,183	9,925	(X)
Net mil. separations 2/	} 21,860	6,556	-16,425	32,057	7,543	57.9
Net migration 3/						

X Not applicable.

1/ April 1, 2010 to June 30, 2014.

2/ Separations less inductions for armed forces.

3/ Includes error of closure.

Source: Hawaii State Department of Business, Economic Development, & Tourism, *State of Hawaii Data Book*, Table 1.03 (current edition); Department of Health, Office of Health Status Monitoring, records; and calculations by the Hawaii State Department of Business, Economic Development, & Tourism.

**Table 1.61-- INTENDED DOMESTIC RESIDENTS TO HAWAII AND NEW INTERNATIONAL RESIDENTS ADMITTED TO HAWAII: 2001 TO 2015**

Year	Total	Domestic	International 1/
2001	38,220	31,938	6,282
2002	49,494	44,016	5,478
2003	43,189	38,290	4,899
2004	47,472	41,067	6,405
2005	51,006	44,526	6,480
2006	54,441	46,942	7,499
2007	56,583	49,347	7,236
2008	52,679	46,107	6,572
2009	51,149	44,220	6,929
2010	53,624	46,587	7,037
2011	50,737	43,441	7,296
2012	50,846	44,082	6,764
2013	46,809	40,583	6,226
2014	2/ 47,556	41,815	2/ 5,741
2015	(NA)	43,428	(NA)

NA Not available.

1/ The international counts were the number of people admitted to Hawaii as legal permanent residents.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch, records; Hawaii Tourism Authority, Tourism Research, records; U.S. Department of Homeland Security, Office of Immigration Statistics, Yearbook of Immigration Statistics (annual) <<http://www.dhs.gov/files/statistics/publications/yearbook.shtm>> accessed May 24, 2016.

**Table 1.62-- LEGAL PERMANENT RESIDENTS, BY COUNTRY OF BIRTH:  
2010 TO 2014**

[Fiscal year ending September 30. Data refer to persons admitted to the United States as an immigrant, reporting Hawaii as their State of intended permanent residence or who changed their status after entry. These immigrants have been granted lawful permanent residence and were called "immigrants" in previous *Data Books* tables. These persons are now called "legal permanent residents"]

Country of birth	2010	2011	2012	2013	2014
All countries	7,037	7,296	6,764	6,226	5,741
Brazil	53	53	48	32	31
Canada	94	84	103	94	80
China, People's Republic	595	864	764	560	544
Hong Kong	40	39	23	29	30
Japan	392	493	486	429	500
Korea 1/	242	233	215	219	224
Mexico	71	53	74	66	62
Philippines	4,515	4,399	4,037	3,761	3,156
Samoa	38	60	40	35	33
Taiwan	47	46	39	42	35
Thailand	86	76	75	102	145
Tonga	42	51	39	33	34
Vietnam	146	158	152	151	151
Other countries	676	687	669	673	716

1/ In 2010, data withheld for North Korea to limit disclosure. For the years 2011 through 2013, there were no legal permanent residents from North Korea. There were 5 legal permanent residents from North Korea in 2015.

Source: U.S. Immigration and Naturalization Service, Office of Policy and Planning, *Statistical Yearbook of the Immigration and Naturalization Service* (annual) and U.S. Department of Homeland Security, Office of Immigration Statistics, *Yearbook of Immigration Statistics* (annual) data tables including supplemental tables <<https://www.dhs.gov/yearbook-immigration-statistics>> accessed May 24, 2016.

**Table 1.63-- PERSONS NATURALIZED, BY COUNTRY OF FORMER ALLEGIANCE: 1998 TO 2014**

[Fiscal year ending September 30]

Year	All countries	Japan	Korea	People's Republic of China	Philippines	Taiwan	Vietnam	Other countries 1/
1998	4,493	(NA)	362	299	2,083	(NA)	419	1,330
1999	3,600	(NA)	332	395	1,542	53	304	974
2000	4,372	(NA)	431	415	1,813	92	346	1,275
2001	2,885	(NA)	296	196	1,280	73	161	879
2002	2,884	121	309	235	1,265	64	124	766
2003	2,287	132	243	157	943	26	75	711
2004	2,050	112	220	132	825	26	83	652
2005	4,663	313	563	448	1,893	86	235	1,125
2006	5,276	250	502	408	2,140	80	195	1,701
2007	4,521	209	492	370	2,061	50	207	1,132
2008	5,205	234	354	348	2,766	70	204	1,229
2009	3,744	161	262	279	1,652	61	173	1,156
2010	3,190	110	187	222	1,378	36	114	1,143
2011	3,450	156	189	258	1,644	42	127	1,034
2012	3,144	142	185	205	1,553	32	116	911
2013	3,494	168	205	216	1,790	51	137	927
2014	2,931	154	2/ 203	211	1,387	25	94	857

NA Not available.

1/ Japan figures for 1998 through 2001 and the Taiwan figure for 1998 were not available separately and are part of the "Other countries" category for those years.

2/ Data withheld for North Korea to limit disclosure.

Source: U.S. Immigration and Naturalization Service, Office of Policy and Planning, *Statistical Yearbook of the Immigration and Naturalization Service* (annual) and U.S. Department of Homeland Security, Office of Immigration Statistics, *Yearbook of Immigration Statistics* (annual) data tables including supplemental tables <<https://www.dhs.gov/yearbook-immigration-statistics>> accessed May 24, 2016.

**Table 1.64-- IN-MIGRATION SUMMARY, BY COUNTY: 2014**

[Persons 1 year old and over. Based on place of residence 1 year ago.  
Also based on a sample and subject to sampling variability]

<b>Movement status</b>	<b>State total 1/</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>
Total population	1,401,004	978,540	191,399	69,710	161,293
Same house (nonmovers)	1,198,766	827,066	169,059	63,429	139,158
Total movers into the area 2/	202,238	151,474	22,340	6,281	22,135
Movers within the U.S.	190,118	142,208	20,937	5,878	21,087
Movers within the same county	124,846	93,202	13,386	3,805	14,445
In-migrants from one county within the state to another county within the state	7,128	2,205	2,033	1,113	1,777
In-migrants from a different state	58,144	46,801	5,518	960	4,865
Abroad	12,120	9,266	1,403	403	1,048
In percent					
Same house (nonmovers)	85.6	84.5	88.3	91.0	86.3
Total movers into the area 2/	14.4	15.5	11.7	9.0	13.7
Movers within the U.S.	13.6	14.5	10.9	8.4	13.1
Movers within the same county	8.9	9.5	7.0	5.5	9.0
In-migrants from one county within the state to another county within the state	0.5	0.2	1.1	1.6	1.1
In-migrants from a different state	4.2	4.8	2.9	1.4	3.0
Abroad	0.9	0.9	0.7	0.6	0.6

1/ Kalawao County is included in the state total, but is not shown separately.

2/ Includes movers within the state, in-migrants from another state, and movers from abroad.

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, "DP02: Selected Social Characteristics in the United States" <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed September 17, 2015.

**Table 1.65-- IN-MIGRATION SUMMARY, BY AGE: 2014**

[Persons 1 year old and over. Based on place of residence 1 year ago.  
Also based on a sample and subject to sampling variability]

Age	Total population	Same house (non-movers)	Movers				
			Total movers 1/	Within same county	Different county/ same state	Different state	From abroad
Total	1,401,004	1,198,766	202,238	124,846	7,128	58,144	12,120
1-4	72,450	57,295	15,155	9,333	1,416	4,034	372
5-17	217,347	191,479	25,868	18,034	471	6,644	719
18-19	32,433	25,006	7,427	3,898	123	2,795	611
20-24	104,188	77,256	26,932	13,037	496	11,394	2,005
25-29	109,886	78,383	31,503	19,182	1,069	9,672	1,580
30-34	100,924	79,028	21,896	12,540	1,182	6,794	1,380
35-39	87,967	71,713	16,254	11,112	512	3,278	1,352
40-44	88,281	77,023	11,258	7,547	157	3,109	445
45-49	86,696	77,322	9,374	6,141	357	2,553	323
50-54	92,235	83,415	8,820	5,942	213	1,591	1,074
55-59	92,042	84,273	7,769	5,207	324	1,571	667
60-64	88,494	81,654	6,840	4,488	344	1,368	640
65-69	78,175	72,984	5,191	2,796	356	1,285	754
70-74	48,825	46,719	2,106	1,298	32	727	49
75+	101,061	95,216	5,845	4,291	76	1,329	149

1/ Includes movers within the state, in-migrants from another state, and movers from abroad.

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, B07001  
<<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed September 17, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.66-- SELECTED GENERAL CHARACTERISTICS OF DOMESTIC MIGRANTS AND NONMOVERS: 2014**

[Based on place of residence 1 year ago. Also based on a sample and subject to sampling variability]

<b>Subject</b>	<b>Total</b>	<b>Nonmovers</b>	<b>In-migrants 1/</b>	<b>Out-migrants 2/</b>
In percent				
Gender (Population 1 year and over)				
Male	50.6	50.3	54.2	50.7
Female	49.4	49.7	45.8	49.3
Age (Population 1 year and over)				
1 to 17 years	20.7	20.8	18.4	19.7
18 to 64 years	63.0	61.3	75.9	76.9
65 years and over	16.3	17.9	5.7	3.4
Marital status (Population 15 years and over)				
Never married	33.5	32.3	38.6	38.3
Now married, except separated	49.3	50.1	51.0	47.1
Divorced or separated	10.8	10.6	8.1	13.9
Widowed	6.5	7.0	2.4	0.7
Educational attainment (Population 25 years and over)				
Less than high school graduate	8.3	8.7	1.8	3.9
High school graduate 3/	28.5	29.0	15.4	15.5
Some college or associate's degree	32.2	31.7	40.7	41.2
Bachelor's degree	20.6	20.3	25.9	25.9
Graduate or professional degree	10.5	10.3	16.2	13.5
Income of persons 4/ (Population 15 years and over)				
No income	13.0	12.6	14.0	14.5
With income	87.0	87.4	86.0	85.5
\$1 to \$9,999 or loss	14.9	14.4	17.8	21.7
\$10,000 to \$14,999	7.7	7.7	7.5	6.7
\$15,000 to \$24,999	13.3	13.4	13.5	12.3
\$25,000 to \$34,999	12.0	12.0	12.8	8.4
\$35,000 to \$49,999	14.1	14.4	10.1	10.3
\$50,000 to \$64,999	9.3	9.6	7.9	10.7
\$65,000 to \$74,999	4.1	4.0	3.1	4.3
\$75,000 or more	11.6	11.8	13.3	11.1

Continued on next page.

**Table 1.66-- SELECTED GENERAL CHARACTERISTICS OF DOMESTIC MIGRANTS AND NONMOVERS: 2014 -- Con.**

<b>Subject</b>	<b>Total</b>	<b>Nonmovers</b>	<b>In-migrants 1/</b>	<b>Out-migrants 2/</b>
In percent				
Poverty status in the past 12 months (Population 1 year old and over for whom poverty status can be determined)				
Below 100% of poverty level	11.3	11.0	12.4	13.3
100 to 149% of poverty level	6.9	6.7	6.6	9.1
At or above 150% of poverty level	81.8	82.3	81.0	77.6
Tenure of householder in housing unit (Population 1 year & over in households)				
Owner-occupied	59.8	64.5	24.2	32.6
Renter-occupied	40.2	35.5	75.8	67.4
Population base for % categories above				
1 year and over	1,401,004	1,198,766	58,144	60,739
1 year and over for whom poverty status is determined	1,361,957	1,175,792	52,453	56,079
1 year and over in households	1,357,052	1,173,683	52,279	56,394
15 years and over	1,158,752	992,696	48,638	49,904
25 years and over	974,586	847,730	33,277	35,901

1/ Includes in-migrants to Hawaii coming from any of the 50 states and the District of Columbia.

2/ Includes out-migrants from Hawaii leaving for any of the 50 states and the District of Columbia.

3/ Includes equivalency.

4/ Individual income in the past 12 months (in 2014 inflation-adjusted dollars).

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed October 7, 2015;

and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 1.67- TOP DOMESTIC IN-MIGRATION STATES: 2014**

[Ranked by largest estimate. Population 1 year and over. State of residence in 2014 was Hawaii, but different state of residence in 2013. Data based on a sample]

Rank	State	Estimate	Margin of error 1/	% Estimate 2/	Margin of error for % 1/
	Total in-migrants 3/	58,144	+/-5,069	(X)	(X)
1	California	12,186	+/-2,507	21.0	+/-3.9
2	Washington	4,513	+/-1,294	7.8	+/-2.1
3	Texas	3,834	+/-1,379	6.6	+/-2.3
4	Florida	3,235	+/-1,931	5.6	+/-3.3
5	Virginia	3,137	+/-1,255	5.4	+/-2.1
6	Arizona	3,126	+/-1,414	5.4	+/-2.4
7	Georgia	2,876	+/-1,396	4.9	+/-2.4
8	Colorado	2,286	+/-1,193	3.9	+/-2.0
9	New York	1,992	+/-813	3.4	+/-1.4
10	Indiana	1,769	+/-1,139	3.0	+/-1.9
11	Nevada	1,671	+/-811	2.9	+/-1.4
12	North Carolina	1,323	+/-761	2.3	+/-1.3
13	Tennessee	1,076	+/-930	1.9	+/-1.6
14	Oregon	1,063	+/-505	1.8	+/-0.9
15	Maryland	1,061	+/-692	1.8	+/-1.2
16	Alaska	1,049	+/-561	1.8	+/-1.0
17	Michigan	944	+/-714	1.6	+/-1.2
18	Illinois	939	+/-506	1.6	+/-0.9
19	District of Columbia	900	+/-1,320	1.5	+/-2.3
20	Pennsylvania	682	+/-572	1.2	+/-1.0
21	South Carolina	681	+/-460	1.2	+/-0.8
22	New Jersey	593	+/-363	1.0	+/-0.6
23	Wisconsin	591	+/-459	1.0	+/-0.8
24	Oklahoma	575	+/-544	1.0	+/-0.9

X Not applicable.

1/ Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the estimates are subject to nonsampling error. The effect of nonsampling error is not represented in these tables.

2/ Calculated figures were based on more precise figures than those shown in the table. Therefore, figures such as percentages may differ from expected values due to rounding.

3/ Total includes in-migrants to Hawaii coming from any of the 50 states and the District of Columbia. Only states comprising of 1% or more of the total in-migrant population are listed in this table.

Source: U. S. Census Bureau, 2014 American Community Survey 1-Year Estimates, "Table 1. State-to-State Migration Flows: 2014" <[http://www.census.gov/hhes/migration/files/acs/st-to-st/State\\_to\\_State\\_Migrations\\_Table\\_2014.xls](http://www.census.gov/hhes/migration/files/acs/st-to-st/State_to_State_Migrations_Table_2014.xls)> accessed September 22, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.68-- TOP DOMESTIC OUT-MIGRATION STATES: 2014**

[Ranked by largest estimate. Population 1 year and over. State of residence in 2013 was Hawaii, but different state of residence in 2014. Data based on a sample]

Rank	State	Estimate	Margin of error 1/	% Estimate 2/	Margin of error for % 1/
	Total out-migrants 3/	60,739	+/-5,271	(X)	(X)
1	California	12,753	+/-3,016	21.0	+/-4.6
2	Washington	4,596	+/-1,481	7.6	+/-2.3
3	Texas	3,871	+/-1,300	6.4	+/-2.1
4	Oregon	3,491	+/-1,219	5.7	+/-1.9
5	Colorado	2,943	+/-1,219	4.8	+/-2.0
6	Virginia	2,729	+/-954	4.5	+/-1.5
7	North Carolina	2,546	+/-1,593	4.2	+/-2.6
8	Nevada	2,210	+/-1,137	3.6	+/-1.8
9	Florida	2,180	+/-1,070	3.6	+/-1.7
10	Maryland	2,157	+/-1,302	3.6	+/-2.1
11	Arizona	1,911	+/-751	3.1	+/-1.2
12	Utah	1,556	+/-824	2.6	+/-1.3
13	Georgia	1,528	+/-1,343	2.5	+/-2.2
14	New York	1,294	+/-660	2.1	+/-1.1
15	Louisiana	1,186	+/-1,018	2.0	+/-1.7
16	South Carolina	1,044	+/-859	1.7	+/-1.4
17	Alabama	1,034	+/-659	1.7	+/-1.1
18	Michigan	881	+/-679	1.5	+/-1.1
19	Indiana	843	+/-611	1.4	+/-1.0
20	Idaho	816	+/-902	1.3	+/-1.5
21	Illinois	765	+/-489	1.3	+/-0.8
22	Pennsylvania	761	+/-579	1.3	+/-0.9
23	Alaska	730	+/-541	1.2	+/-0.9
24	Montana	674	+/-631	1.1	+/-1.0
25	Connecticut	662	+/-773	1.1	+/-1.3

X Not applicable.

1/ Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the estimates are subject to nonsampling error. The effect of nonsampling error is not represented in these tables.

2/ Calculated figures were based on more precise figures than those shown in the table. Therefore, figures such as percentages may differ from expected values due to rounding.

3/ Total includes out-migrants from Hawaii leaving for any of the 50 states and the District of Columbia. Only states comprising of 1% or more of the total out-migrant population are listed in this table.

Source: U. S. Census Bureau, 2014 American Community Survey 1-Year Estimates, "Table 1. State-to-State Migration Flows: 2014" <[http://www.census.gov/hhes/migration/files/acs/st-to-st/State\\_to\\_State\\_Migrations\\_Table\\_2014.xls](http://www.census.gov/hhes/migration/files/acs/st-to-st/State_to_State_Migrations_Table_2014.xls)> accessed September 22, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

## Section 2

# VITAL STATISTICS AND HEALTH

This section presents data on births, deaths, marriages, divorces, diseases, accidents, health risk behaviors such as drinking and smoking, hospitals, and health care personnel.

The major source for data on vital statistics and health is the Hawaii State Department of Health. Information is also available on health care businesses from the U.S. Census Bureau's Economic Censuses. Long-term trends are traced in *Historical Statistics of Hawaii*, Section 2. Sections 2 and 3 of the *Statistical Abstract of the United States: 2012* contain data for the nation as a whole.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

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<a href="#">02.02</a>	Births and Deaths, by Military Status: 2010 to 2014
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<a href="#">02.04</a>	Births and Deaths, by Residence: 2004 to 2014
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**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

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<a href="#">02.30</a>	Occupancy Characteristics of State-Approved Acute and Long-Term Care Civilian Facilities, by Island: 2013
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**Table 2.01-- BIRTHS AND DEATHS: 2000 TO 2014**

[Place of occurrence basis]

Year	Resident births 1/	Resident deaths 1/	Rates per 1,000 resident population 2/		Rates per 1,000 live births		
			Births	Deaths	To unmarried mothers	Fetal deaths 3/	Infant deaths 4/
2000	17,514	8,163	14.4	6.7	322.7	9.5	7.8
2001	17,043	8,252	13.9	6.7	330.7	11.4	6.2
2002	17,444	8,650	14.1	7.0	337.2	10.2	7.0
2003	18,066	8,850	14.4	7.1	335.3	10.6	7.6
2004	18,238	8,888	14.3	7.0	345.0	8.7	5.5
2005	17,882	8,988	13.8	7.0	362.3	8.1	6.9
2006	18,927	9,290	14.5	7.1	362.4	7.8	5.9
2007	19,085	9,314	14.5	7.1	370.7	10.1	6.3
2008	19,417	9,322	14.6	7.0	380.6	8.4	5.5
2009	18,843	9,676	14.0	7.2	379.8	10.3	6.1
2010	18,910	9,387	13.9	6.9	379.0	8.0	5.8
2011	18,911	9,682	13.7	7.0	375.2	8.6	5.0
2012	18,920	10,062	13.6	7.2	374.9	10.0	4.9
2013	18,926	10,270	13.4	7.3	373.7	5.4	6.6
2014	18,506	10,591	13.0	7.5	373.2	7.2	4.5

1/ Data include births to military couples and deaths of armed forces and their dependents, but exclude nonresident births and deaths, as well as resident births and deaths occurring out of State.

2/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2015. Rates for 2000 and beyond may differ from previous *Data Books* due to revisions to those population figures. Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011.

3/ 20 weeks gestation and over. Includes elective abortions.

4/ Under 1 year of age.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division "Table 1. Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 2011) <<http://www.census.gov/popest/data/intercensal/state/tables/ST-EST00INT-01.xls>> accessed September 28, 2011, "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015" (NST-EST2015-01) (December 2015) <<http://www.census.gov/popest/data/state/totals/2015/tables/NST-EST2015-01.xlsx>> accessed December 22, 2015 and earlier population estimates; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 2010 TO 2014**

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
<b>Live births 2/</b>						
2010	18,948	-	18,948	3,463	15,485	3,463
2011	18,971	-	18,971	3,571	15,400	3,571
2012	18,985	-	18,985	3,475	15,510	3,475
2013	18,979	-	18,979	3,613	15,366	3,613
2014	18,582	-	18,582	3,374	15,208	3,374
<b>Deaths</b>						
2010	9,654	32	9,622	79	9,543	111
2011	9,961	33	9,928	76	9,852	109
2012	10,363	34	10,329	76	10,253	110
2013	10,576	42	10,534	77	10,457	119
2014	10,885	31	10,854	80	10,774	111
<b>Birth rates 3/</b>						
2010	12.9	0.0	13.3	55.6	11.3	34.0
2011	12.7	0.0	13.1	59.7	11.1	35.8
2012	12.5	0.0	12.9	57.7	11.0	33.6
2013	12.3	0.0	12.7	59.7	10.7	33.9
2014	11.9	0.0	12.3	53.4	10.5	30.5
<b>Death rates 3/</b>						
2010	6.6	0.8	6.7	1.3	7.0	1.1
2011	6.7	0.8	6.8	1.3	7.1	1.1
2012	6.8	0.8	7.0	1.3	7.2	1.1
2013	6.9	0.9	7.0	1.3	7.3	1.1
2014	7.0	0.7	7.2	1.3	7.4	1.0

1/ Death rates for military dependents based on decennial census age and sex composition of military dependents and decennial census age-sex-specific death rates for the military dependents. Deaths of civilians other than military dependents calculated as residual.

2/ As of January 2014, military status of parents is not collected on birth data. Tricare or military insurance as the principal source of payment for delivery was used as a proxy for military status.

3/ Per 1,000 de facto population in each group. Calculations of de facto population are based on July 1 resident population estimates by the U.S. Census Bureau as revised through December 2015.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; Hawaii State Department of Business, Economic Development & Tourism, *State of Hawaii Data Book*, Tables 1.03 and 1.04; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.03-- LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 2000 TO 2014**

[Place of residence basis]

Year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rates per 1,000 resident population 1/			
2000	22,240	18.3	17,514	825	3,901
2001	21,764	17.8	17,043	759	3,962
2002	22,172	17.9	17,444	831	3,897
2003	22,509	18.0	18,066	862	3,581
2004	22,564	17.7	18,238	884	3,442
2005	22,303	17.3	17,882	897	3,524
2006	23,219	17.7	18,927	827	3,465
2007	23,731	18.0	19,085	942	3,704
2008	23,750	17.8	19,417	1,102	3,231
2009	23,201	17.2	18,843	1,046	3,312
2010	22,830	16.7	18,910	886	3,034
2011	22,480	16.3	18,911	940	2,629
2012	22,350	16.0	18,920	642	2,788
2013	21,816	15.5	18,926	468	2,422
2014	21,200	14.9	18,506	754	2,109

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2015. Rates for 2000 and beyond may differ from previous *Data Books* due to revisions to these population figures. Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division "Table 1. Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 2011) <<http://www.census.gov/popest/data/intercensal/state/tables/ST-EST00INT-01.xls>> accessed September 28, 2011 and "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015" (NST-EST2015-01) (December 2015) <<http://www.census.gov/popest/data/state/totals/2015/tables/NST-EST2015-01.xlsx>> accessed December 22, 2015; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 2004 TO 2014**

[Place of occurrence basis]

<b>Event and year</b>	<b>Total</b>	<b>Resident 1/</b>	<b>Nonresident and unknown</b>
<b>Births</b>			
2004	18,296	18,238	58
2005	17,922	17,882	40
2006	18,986	18,927	59
2007	19,153	19,085	68
2008	19,462	19,417	45
2009	18,891	18,843	48
2010	18,948	18,910	38
2011	18,971	18,911	60
2012	18,985	18,920	65
2013	18,979	18,926	53
2014	18,582	18,506	76
<b>Deaths</b>			
2004	9,252	8,888	364
2005	9,330	8,988	342
2006	9,622	9,290	332
2007	9,627	9,314	313
2008	9,572	9,322	250
2009	9,947	9,676	271
2010	9,654	9,387	267
2011	9,961	9,682	279
2012	10,363	10,062	301
2013	10,576	10,270	306
2014	10,885	10,591	294

1/ Data include births to military couples and deaths of armed forces and their dependents, but exclude nonresident births and deaths, as well as resident births and deaths occurring out of State.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.05-- CHARACTERISTICS OF RESIDENT BIRTHS: 2012 TO 2014**

[Place of residence basis. Excludes births to Hawaii residents occurring out of state]

<b>Subject</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Number of resident births	18,920	18,926	18,506
City and County of Honolulu	13,636	13,595	13,197
Percent in the City and County of Honolulu	72.1	71.8	71.3
Hawaii County	2,412	2,411	2,438
Kauai County	863	863	893
Maui County (incl. Kalawao)	2,009	2,057	1,978
Percent attended by M.D. or D.O. in hospital	88.3	89.5	88.0
Males per 100 females	104.2	108.9	107.3
Median weight of single births (grams) 1/	3,294	3,289	3,286
Percent low birth weight (under 2,500 grams) 1/	8.1	8.3	7.9
Percent single births under 40 weeks gestation	68.7	69.7	70.1
Percent plural	3.3	3.4	3.1
Percent with 1 or more congenital malformations	10.1	13.5	(2/)
Percent to unmarried mothers	37.5	37.4	37.4
Percent with prenatal visit in first three months	84.2	83.6	(2/)
Percent first child born to mother 3/	30.2	29.9	32.4
Percent first child born alive to mother	39.9	39.3	37.4
Median age of mothers (years)	28	29	29
Median age of known fathers (years)	30	31	31

1/ One gram is equal to 0.035273 of an ounce.

2/ Data are no longer collected.

3/ Includes live births, fetal deaths, and abortions.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.06-- BIRTH AND FERTILITY RATES FOR THE UNITED STATES AND HAWAII: 2013 AND 2014**

[Registered births. Excludes births to nonresidents of the United States]

Type of rate	United States	Hawaii	Rank 1/
2013			
Birth rate 2/	12.4	13.5	11
Fertility rate 3/	62.5	71.5	7
2014			
Birth rate 2/	12.5	13.1	13
Fertility rate 3/	62.9	69.3	11

1/ Among the 50 states and the District of Columbia, highest rate ranking 1.

2/ Per 1,000 estimated population.

3/ Number of births per 1,000 women aged 15 to 44 years estimated.

Source: U.S. National Center for Health Statistics, National Vital Statistics Reports (NVSR),

*Births: Final Data for 2013*, Vol. 64, Number 1, January 15, 2015

<[http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_01.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_01.pdf)> accessed May 4, 2015 and

*Births: Final Data for 2014*, Vol. 64, Number 12, December 23, 2015

<[http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_12.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_12.pdf)> accessed May 26, 2016.

**Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE,  
BY MILITARY STATUS OF PARENT: 2014**

[Place of residence basis. Excludes births to Hawaii residents occurring out of state]

<b>Military status of parent</b>	<b>Total births</b>	<b>Unmixed</b>	<b>Mixed 1/</b>	<b>Not reported 2/</b>	<b>Percent mixed 3/</b>
Total	18,506	7,725	9,864	917	56.1
Military 4/	3,363	2,369	923	71	28.0
All others 5/	15,143	5,356	8,941	846	62.5

1/ Includes births in which the ethnicity of the father is different from the ethnicity of the mother or births in which the father or the mother are of two or more ethnicities. Includes births in which both parents were "Part Hawaiian" or both parents were "Other race". Prior to 2001, births in which both the father and mother were "Part Hawaiian" or both the father and mother were "Other race" were classified as unmixed.

2/ One or both parents of unspecified race (unless one was Part Hawaiian) or both parents classified as "other".

3/ Based on number reporting.

4/ As of January 2014, military status of parents is not collected on birth data. Tricare or military insurance as the principal source of payment for delivery was used as a proxy for military status.

5/ Includes "civilians" and "status not reported".

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.08-- MOST COMMON FIRST NAMES ON BIRTH CERTIFICATES,  
BY SEX: 2014**

[Place of occurrence basis. A total of 9,288 first names, including variant spellings, was reported for the 18,582 babies born in Hawaii in 2014]

Boys' names			Girls' names		
Rank	Name	Number	Rank	Name	Number
1	Noah	99	1	Emma	71
2	Liam	76	2	Mia	58
3	Mason	70	3	Sophia	53
4	Aiden	62	4	Aria	50
5	Alexander	60	4	Ava	50
6	Ethan	58	6	Lily	49
7	William	52	7	Isabella	43
8	James	51	7	Olivia	43
8	Logan	51	9	Chloe	33
10	Ezekiel	49	10	Emily	32

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.09-- MOST COMMON SURNAMES ON BIRTH AND DEATH  
CERTIFICATES: 2014**

Birth certificates			Death certificates		
Rank	Surname	Births	Rank	Surname	Deaths
1	Lee	82	1	Lee	75
2	Smith	76	2	Wong	63
3	Johnson	55	3	Chang	43
3	Williams	55	3	Higa	43
5	Brown	53	5	Nakamura	40
6	Wong	49	6	Kim	39
7	Kim	44	6	Smith	39
8	Davis	42	8	Yamamoto	36
9	Fernandez	38	9	Young	35
9	Miller	38	10	Sato	32

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.10-- EXPECTATION OF LIFE AT BIRTH FOR BOTH SEXES  
COMBINED, BY RACE, 1910 TO 1990, AND BY SEX AND RACE, 2000**

[In years. Figures were revised from two decimal places in earlier *Data Books* to one decimal place]

Year	All races	Caucasian	Chinese	Filipino	Hawaiian and Part-Hawaiian	Japanese	Korean	Samoan	Other
1910	44.0	54.8	54.2	(NA)	32.6	49.3	(NA)	(NA)	15.6
1920	45.7	56.5	53.8	28.1	33.6	50.5	(NA)	(NA)	28.4
1930	54.0	61.9	60.1	46.1	41.9	60.1	(NA)	(NA)	32.6
1940	62.0	64.0	65.3	56.9	51.8	66.3	(NA)	(NA)	59.5
1950	69.5	69.2	69.7	69.1	62.5	72.6	(NA)	(NA)	68.3
1960	72.4	72.8	74.1	71.5	64.6	75.7	(NA)	(NA)	62.2
1970	74.2	73.2	76.1	72.6	67.6	77.4	(NA)	(NA)	76.7
1980	77.9	75.8	81.7	79.3	71.8	80.9	(NA)	(NA)	79.0
1990	78.9	75.5	82.9	78.9	74.3	82.1	(NA)	(NA)	80.4
2000	80.5	79.0	86.1	80.9	74.3	82.8	81.4	72.8	(NA)
Male	77.5	76.7	83.5	78.0	71.5	79.7	78.3	71.1	(NA)
Female	83.6	81.7	88.7	85.9	77.1	88.7	83.6	74.6	(NA)

NA Not available.

Source: Hawaii State Department of Health, "Life Tables by Ethnic Group for Hawaii, 1980," by Robert W. Gardner, *R & S Report*, No. 47, (March 1984), p. 7, and "Life Expectancy in the State of Hawai'i 1980 and 1990," *R & S Report*, No. 63 (August 1996), pp. 18-33; Chai Bin Park, Kathryn L. Braun, Brian Y. Horiuchi, Caryn Tottori, and Alvin T. Onaka, *Longevity Disparities in Multiethnic Hawaii: An Analysis of 2000 Life Tables* (Public Health Reports, Research Articles, Vol. 124, July-August 2009).

**Table 2.11-- EXPECTATION OF LIFE AT BIRTH, BY SEX, FOR THE UNITED STATES AND HAWAII: 1920 TO 2014**

[Average expectation of life in years]

Year of birth	United States			Hawaii		
	Both sexes	Male	Female	Both sexes	Male	Female
1920	54.1	53.6	54.6	45.7	45.6	45.8
1930	59.7	58.1	61.6	54.0	52.7	55.9
1940	62.9	60.8	65.2	62.0	59.9	64.9
1950	1/ 68.2	1/ 65.6	1/ 71.1	69.5	67.8	71.7
1960	1/ 69.7	1/ 66.6	1/ 73.1	72.4	70.4	74.8
1970	70.8	67.1	74.7	74.2	72.1	76.4
1980	73.7	70.0	77.4	77.9	74.5	81.5
1990	75.4	71.8	78.8	78.9	75.9	82.1
2000	76.8	74.1	79.3	80.5	77.5	83.6
2010	78.7	76.2	81.0	(NA)	(NA)	(NA)
2011	78.7	76.3	81.1	(NA)	(NA)	(NA)
2012	78.8	76.4	81.2	(NA)	(NA)	(NA)
2013	78.8	76.4	81.2	(NA)	(NA)	(NA)
2014	78.8	76.4	81.2	(NA)	(NA)	(NA)

NA Not available.

1/ Includes deaths of persons who were not residents of the 50 states and the District of Columbia.

Source: U.S. Bureau of the Census, *Historical Statistics of the United States, Colonial Times to 1970*, Part 1 (1975), p. 55; Hawaii State Department of Health, Office of Health Status Monitoring, "Life Tables by Ethnic Group for Hawaii, 1920-1970," R & S Report, No. 26 (June 1979), pp. 8-26; and "Life Expectancy in the State of Hawai'i, 1980 and 1990," R & S Report, No. 63 (August 1996), p. 9; Chai Bin Park, Kathryn L. Braun, Brian Y. Horiuchi, Caryn Tottori, and Alvin T. Onaka, *Longevity Disparities in Multiethnic Hawaii: An Analysis of 2000 Life Tables* (Public Health Reports, Research Articles, Vol. 124, July-August 2009); U.S. Department of Health and Human Services, National Center for Health Statistics, "Average Life Expectancy at Birth by State for 2000 and Ratio of Estimates and Projections of Deaths: 2001 to 2003", Table 2 (April 21, 2005) <<http://www.census.gov/population/projections/MethTab2.xls>> accessed June 6, 2006, *Health, United States* (annual) <<http://www.cdc.gov/nchs/hus/index.htm>> accessed June 17, 2016.

**Table 2.12-- EXPECTATION OF LIFE AT BIRTH, BY SEX,  
BY COUNTY: 2008**

[Average expectation of life in years. 2007-2009 average used to calculate the death rate]

<b>County</b>	<b>Both sexes</b>	<b>Male</b>	<b>Female</b>
State of Hawaii	81.1	78.3	83.9
Hawaii	79.6	76.5	82.8
Honolulu	81.6	78.8	84.1
Kauai	80.5	77.9	83.1
Maui 1/	80.7	77.8	83.6

1/ Maui County includes Kalawao County.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2040 - DBEDT 2040 Series*, Tables A-27 to A-36 (March 2012) <[http://dbedt.hawaii.gov/economic/data\\_reports/2040-long-range-forecast](http://dbedt.hawaii.gov/economic/data_reports/2040-long-range-forecast)> accessed April 18, 2012 and records.

**Table 2.13-- AVERAGE LIFETIME, BY SEX: 1959-1961 TO 1999-2001**

Period	Years			Rank 1/		
	Both sexes	Male	Female	Both sexes	Male	Female
1959-1961	71.55	69.79	74.01	7	(NA)	(NA)
1969-1971	73.60	71.02	76.79	1	1	3
1979-1981	77.02	74.08	80.33	1	1	1
1989-1991 2/	78.21	75.37	81.26	1	1	1
1999-2001 3/	80.23	77.17	83.65	1	1	1

NA Not available.

1/ Among the 50 states and the District of Columbia, with the highest average lifetime in years ranking 1.

2/ Average lifetime for all states combined was 75.37 years for both sexes combined, 71.83 years for males, and 78.81 years for females.

3/ Average lifetime for all states combined was 76.86 years for both sexes combined, 74.13 years for males, and 79.47 years for females.

Source: U.S. Department of Health, Education, and Welfare, National Center for Health Statistics, *Life Tables: 1959-61*, Vol. 2, No. 12, *Hawaii State Life Tables: 1959-61* (June 1966), p. 160, and unpublished tabulations; U.S. Department of Health, Education, and Welfare, National Center for Health Statistics, *U.S. Decennial Life Tables for 1969-71*, Vol. II, No. 12, *Hawaii State Life Tables: 1969-71* (June 1975), p. 12-6; and U.S. Department of Health and Human Services, National Center for Health Statistics, *U.S. Decennial Life Tables for 1979-81*, Vol II, *State Life Tables*, No. 12, *Hawaii* (December 1985) p. 12-3; *U.S. Decennial Life Tables for 1989-91*, Vol. II, *State Life Tables*, No. 12, *Hawaii* (March 1998), p. 4; *U.S. Decennial Life Tables for 1999-2001*, *State Life Tables, Hawaii*, p. 1

<<http://www.cdc.gov/nchs/nvss/mortality/lewk4.htm>> accessed June 23, 2012; and *U.S. Decennial Life Tables for 1999-2001*, *United States Life Tables*, Vol. 57 No. 1 (August 5, 2008) pp.7, 9 and 11 <[http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57\\_01.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57_01.pdf)> accessed June 24, 2012.

**Table 2.14-- SELECTED LIFE TABLE VALUES: 1999-2001**

Age	Average number of years of life remaining at beginning of year of age			Number surviving to specified age per 100,000 born alive		
	Both sexes	Male	Female	Both sexes	Male	Female
0 to 1	80.23	77.17	83.65	100,000	100,000	100,000
1 to 2	79.79	76.78	83.18	99,297	99,207	99,372
5 to 6	75.86	72.86	79.24	99,208	99,111	99,291
10 to 11	70.90	67.89	74.28	99,164	99,069	99,243
15 to 16	65.94	62.95	69.31	99,094	98,976	99,197
20 to 21	61.09	58.13	64.41	98,870	98,672	99,061
25 to 26	56.28	53.39	59.52	98,537	98,213	98,882
30 to 31	51.49	48.65	54.65	98,166	97,713	98,655
35 to 36	46.71	43.92	49.82	97,719	97,157	98,324
40 to 41	41.99	39.23	45.06	97,109	96,423	97,843
45 to 46	37.35	34.64	40.36	96,221	95,351	97,143
50 to 51	32.83	30.19	35.76	94,898	93,732	96,120
55 to 56	28.48	25.93	31.29	92,912	91,284	94,618
60 to 61	24.32	21.91	26.97	89,967	87,620	92,402
65 to 66	20.42	18.17	22.87	85,653	82,239	89,131
70 to 71	16.79	14.76	19.02	79,489	74,566	84,336
75 to 76	13.52	11.75	15.48	70,870	64,111	77,422
80 to 81	10.64	9.14	12.31	59,314	50,818	67,775
85 to 86	8.19	6.97	9.55	45,089	35,602	55,063
90 to 91	6.18	5.22	7.23	29,582	20,718	39,809
95 to 96	4.58	3.86	5.36	15,544	9,160	24,023
100 to 101	3.35	2.84	3.91	5,879	2,720	11,002
105 to 106	2.45	2.10	2.82	1,382	461	3,339
109 to 110	1.92	1.66	2.18	272	65	847

Source: U.S. Department of Health and Human Services, National Center for Health Statistics, *U.S. Decennial Life Tables for 1999-2001, State Life Tables, Hawaii* <<http://www.cdc.gov/nchs/nvss/mortality/lewk4.htm>> accessed June 22, 2012.

**Table 2.15-- SELECTED LIFE TABLE VALUES: 2008**

[Average expectation of life in years. 2007-2009 average used to calculate the death rate]

Exact age in years	Average number of years of life remaining at beginning of year of age			Number surviving to specified age per 100,000 born alive		
	Both sexes	Male	Female	Both sexes	Male	Female
0	81.1	78.3	83.9	100,000	100,000	100,000
1	80.6	77.9	83.3	99,414	99,326	99,508
5	76.7	74.0	79.3	99,323	99,220	99,433
15	66.8	64.1	69.4	99,206	99,077	99,344
25	57.1	54.5	59.6	98,667	98,325	99,025
35	47.5	45.1	49.8	97,905	97,204	98,605
45	38.2	35.9	40.3	96,400	95,226	97,560
55	29.3	27.3	31.2	93,078	90,940	95,227
65	21.0	19.3	22.5	86,879	83,277	90,568
75	13.5	12.3	14.5	74,768	68,879	80,705
85	7.3	6.6	7.8	50,970	42,280	59,212
95	3.5	3.1	3.7	13,724	9,316	17,911

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2040 - DBEDT 2040 Series*, Tables A-27 and A-28 (March 2012) <[http://dbedt.hawaii.gov/economic/data\\_reports/2040-long-range-forecast](http://dbedt.hawaii.gov/economic/data_reports/2040-long-range-forecast)> accessed June 8, 2012 and records.

**Table 2.16-- CHARACTERISTICS OF RESIDENT DEATHS: 2012 TO 2014**

[Place of residence basis. Excludes deaths to Hawaii residents occurring out of state]

<b>Subject</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Number of resident deaths	10,062	10,270	10,591
City and County of Honolulu	7,098	7,189	7,387
Hawaii County	1,467	1,444	1,559
Kauai County	497	549	514
Maui County (incl. Kalawao)	1,000	1,088	1,131
Males per 100 females	113.9	113.0	112.5
Median age (years)	80	80	79
Centenarian deaths: Male	40	43	39
Female	121	95	109
Oldest (age in years): Male	106	106	106
Female	108	108	108
Percent married	39.3	37.4	37.9
Deaths under 1 year	90	117	81
Per 1,000 live births	4.8	6.2	4.4
Fetal deaths 1/	3,430	2,890	2,863
Per 1,000 deliveries	153	132	135
Fetal deaths, 20 or more weeks gestation 2/	188	95	125
Per 1,000 live births	9.9	5.0	6.8
Standard fetal deaths 3/	642	468	754
Elective abortions	2,788	2,422	2,109
Per 1,000 live births	147.4	128.0	114.0

1/ Includes elective abortions.

2/ Includes elective abortions if 20 weeks or more.

3/ Excludes elective abortions.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.17-- CAUSES OF DEATH, BY SEX: 2014**

[Place of residence basis. Excludes deaths to Hawaii residents occurring out of state]

Causes of death 1/	Both sexes	Males 2/	Females
Total deaths	10,591	5,608	4,983
Malignant neoplasm 3/	2,439	1,325	1,114
Stomach	90	44	46
Colon, rectum and anus	241	145	96
Pancreas	199	93	106
Trachea, bronchus and lung	554	323	231
Breast (Female)	157	-	157
Cervix uteri, corpus uteri and ovary	92	-	92
Prostate	110	110	-
Urinary tract	115	82	33
Non-Hodgkin's lymphoma	80	46	34
Leukemia	69	40	29
Other malignant neoplasms	732	442	290
Diabetes mellitus	271	159	112
Alzheimer's disease	321	99	222
Diseases of the heart	2,477	1,404	1,073
Hypertensive heart disease	110	60	50
Ischemic heart disease	1,249	794	455
Other forms of heart disease	1,118	550	568
Hypertension	95	34	61
Cerebrovascular disease	648	276	372
Atherosclerosis	16	8	8
Other circulatory system diseases	99	54	45
Influenza/pneumonia	431	215	216
Chronic lower respiratory diseases	309	170	139
Peptic ulcer	19	10	9
Chronic liver disease and cirrhosis	112	74	38
Nephritis and nephrosis	218	117	101
Pregnancy, Childbirth and Puerperium	5	-	5
Perinatal conditions	49	20	29
Congenital anomalies	20	10	10
Symptoms and ill-defined conditions (Inc. Sudden Infant Death Syndrome)	133	58	75
Other diseases 4/	2,199	1,051	1,148
Motor vehicle accidents	105	77	28
All other and unspecified accidents and adverse effects	370	249	121
Intentional self-harm (suicide)	203	162	41
Assault	29	20	9
All other external causes	23	16	7

1/ Causes of death were coded according to the International Classification of Diseases, Version 10.

2/ Unknown sex classified as male.

3/ Commonly known as cancer.

4/ Includes Tuberculosis and HIV Disease.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.18-- GREATEST CATASTROPHIC MORTALITY OF RECORD,  
BY TYPE OF DISASTER: 1778 TO 2016**

[Complete through June 13, 2016]

Type of disaster	Date	Location	Event	Deaths
Aircraft	Mar. 22, 1955	Waianae Mts.	Crash of MATS R6-D	66
Asphyxiation	Oct. 19, 1937	Palama	Leaking gas in house	8
Construction	Mar. 25, 1930	Kauai	Collapse of Alexander Dam	6
Earthquake	Apr. 2, 1868	Ka'u; Puna	Earthquake	32
Explosion	May 21, 1944	West Loch	Explosions on 9 Navy ships loading ammunition	163
Fire	June 8, 1944	Kalihi	Colliding bombers set fire to houses 1/	10
Fire	Oct. 15, 1997	Palolo	Fire destroyed 3 houses	7
Flood	Jan. 18, 1916	Iao; Wailuku	Cloudburst and flood	14
Homicide	Nov. 2, 1999	Iwilei	Mass murder in office	7
Hurricane	Sept. 11, 1992	Kauai; Oahu	Hurricane Iniki	8
Landslide	May 9, 1999	Sacred Falls	Landslide	8
Marine	1829 or 1830	New Hebrides	Losses to Boki's ships 2/	410
Motor vehicle	July 2, 1944	Waiialua	Truck overturned on pedestrians	7
Motor vehicle	July 5, 1969	Kamehameha Hwy at Puuloa	2-car accident	7
Railroad	June 26, 1916	Near Hana	Work train derailed	5
Tsunami	Apr. 1, 1946	Statewide	Tsunami	159
Volcano	Nov. 1790	Kilauea	Eruption killed soldiers	< 80 or about 400
War, riots, etc.	Dec. 7, 1941	Oahu	Pearl Harbor attack	2,500
War, riots, etc.	Jan. 1790	Olowalu	U.S. ship fired on native canoes	> 100
War, riots, etc.	Sept. 9, 1924	Hanapepe	Police fired on strikers	20

1/ Death toll in burning houses; in addition, 4 airmen perished.

2/ Of Boki's two-ship expedition to New Hebrides, the *Kamehameha* and its crew of 250 vanished; the *Becket* survived but lost 160 of its crew.

Source: Robert C. Schmitt, "Catastrophic Mortality in Hawaii," *The Hawaiian Journal of History*, Vol. 3 (1969), pp. 66-86, and "Catastrophic Mortality in Hawaii: An Update," *The Hawaiian Journal of History*, Vol. 23 (1989), pp. 217-227; Hawaii State Department of Business, Economic Development & Tourism, compiled from various newspaper sources.

**Table 2.19-- CATASTROPHIC MORTALITY: 1994 TO 2016**

[Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through June 13, 2016]

Date	Place	Kind of disaster	Deaths
1994: Jan. 21	Keawaula Bay, Oahu	1-car auto crash	5
1995: Nov. 10	Kuliouou, Oahu	1-car auto crash	5
1996: Nov. 1	Halawa, Molokai	Airplane crash	5
1997: Oct. 15	Palolo Valley, Honolulu	3 houses destroyed by fire	7
1998: June 25	Waialeale, Kauai	Helicopter crash	6
1999: May 9	Sacred Falls, Oahu	Landslide	8
Sept. 25	Mauna Loa slope, Hawaii	Airplane crash	10
Nov. 2	Iwilei, Honolulu	Mass murder in office	7
2000: July 21	Iao Valley, Maui	Helicopter crash	7
2001: Feb. 9	9 mi. south of Diamond Head	Surfacing submarine hit and sank Japanese training ship	9
Feb. 12	Mts. near Sunset Beach, Oahu	Crash of two Army helicopters	6
2003: March 18	Haleiwa, Oahu	1-car auto crash	5
July 23	Waialeale, Kauai	Helicopter crash	5
2004: Sept. 24	4 mi. south of Waialeale, Kauai	Helicopter crash	5
2006: March 14	Kaloko Reservoir, Kauai	Dam breach	1/ 7
2011: April 8	Waikele, Oahu	Fireworks explosion	5
Nov. 10	Eastern Molokai	Helicopter crash	5
2012: March 25	Kula, Maui	2-car auto crash	5
2013: Jan. 23	Pahala, Hawaii	2-car auto crash	5
2016: Jan. 14	Haleiwa, Oahu	Crash of two Marine Corps helicopters	12
May 23	Hanapepe, Kauai	Airplane crash	5

1/ Three bodies were found and four persons were still missing on March 23, 2006 when search efforts were called off.

Source: Hawaii State Department of Business, Economic Development & Tourism, compiled from various newspaper sources.

**Table 2.20-- DEATHS BY METHOD OF DISPOSITION:  
1980 TO 2014**

[Place of occurrence basis]

<b>Method</b>	<b>1980</b>	<b>1990</b>	<b>2000</b>	<b>2010</b>	<b>2013</b>	<b>2014</b>
All methods	5,204	7,055	8,511	9,654	10,576	10,885
Cremation	2,241	3,564	5,092	6,661	7,582	7,907
Burial	2,343	2,798	2,767	2,322	2,302	2,306
Removal	567	656	591	562	542	504
Medical science	-	-	40	91	131	146
All others 1/	53	37	21	18	19	22

1/ Includes entombment.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.21-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTY, 2001 TO 2015, AND BY LEVEL OF VISUAL IMPAIRMENT, 2015**

[As of June 30]

Year and subject	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
YEAR					
2001	2,674	2,029	302	112	231
2002 1/	2,896	2,176	347	119	254
2003	3,077	2,325	361	132	259
2004	3,154	2,394	371	128	261
2005	3,229	2,462	388	133	246
2006	3,340	2,542	401	141	256
2007	3,400	2,587	403	142	268
2008	3,519	2,675	424	147	273
2009	3,502	2/ 2,644	433	151	274
2010	3,643	2,744	462	159	278
2011	3,533	2,633	459	157	284
2012	3,331	2,527	373	154	277
2013	2,551	1,986	281	113	171
2014	2,656	2,080	290	115	171
2015	2,732	2,148	294	115	175
LEVEL OF VISUAL IMPAIRMENT: 2015					
Total					
Blind 3/	2,397	1,887	255	97	158
Visually impaired 4/	335	261	39	18	17

1/ Figures for June 30, 2002 reflect administrative efforts to register previously served but unregistered persons.

2/ Figures for June 30, 2009 reflect administrative efforts to delete deceased persons on the State Blind Register.

3/ A person who has central vision acuity that does not exceed 20/200 in the better eye with correcting lenses or a person who has visual acuity that is greater than 20/200 but is accompanied by a limitation in the field of vision such that the widest diameter of the visual field subtends an angle no greater than 20 degrees.

4/ A person who has vision with correcting lenses that does not exceed 20/70 in the better eye, the vision is expected to deteriorate and the vision is so defective that it interferes with the individual's performance of ordinary activities for which eyesight is essential.

Source: Hawaii State Department of Human Services, Ho'opono Services for the Blind, records.

**Table 2.22-- SELECTED CHRONIC CONDITIONS: 2012**

[Sample survey consisted of 11,904 people. Data were weighted based on the 2010 Census data]

<b>Selected chronic conditions</b>	<b>Prevalence of condition 1/</b>	<b>Conditions per 1,000 persons 2/</b>
High blood cholesterol	242,469	174
Hypertension	241,183	173
Asthma	154,142	111
Arthritis	117,229	84
Diabetes	93,912	68
Heart	56,189	40
Cancer	48,413	35
Lung	20,060	14

1/ Number of persons told by a physician or medical professional that they have the condition.

2/ Population base includes persons under 18 years, not usually subject to some of these conditions.

Source: Hawaii State Department of Health, Hawaii Health Survey, special tabulation.

**Table 2.23-- SPECIFIED COMMUNICABLE DISEASES: 2010 TO 2014**

[2014 data reported as of December 2015; earlier data not updated]

Disease	2010	2011	2012	2013	2014
Cases 1/					
AIDS	82	63	87	130	34
Campylobacteriosis	734	836	617	825	737
E. coli 0157:H7	29	9	20	28	25
Fish poisoning 2/	31	31	21	15	24
Giardiasis	60	38	34	60	43
Gonorrhea	759	685	815	718	1,020
Hansen's Disease 3/	24	20	24	14	14
Hepatitis A	9	8	5	16	5
Hepatitis B (Acute)	6	6	5	4	6
Influenza 4/	7,181	8,660	15,046	6,644	5,382
Leptospirosis 5/	7	5	11	17	24
Malaria 6/	4	7	4	1	5
Measles (Rubeola) 6/	4	-	-	-	15
Meningitis, bacterial	1	4	2	1	2
Mumps 7/	5	3	1	-	1
Pertussis (whooping cough) 4/	66	59	73	50	38
Pneumococcal disease	117	99	-	82	89
Rubella 6/	-	-	-	2	-
Salmonellosis	331	332	341	349	323
Shigellosis	50	48	27	42	29
Syphilis (Primary & Secondary)	35	14	23	46	68
Tuberculosis	115	123	119	115	136
Deaths 8/					
AIDS	13	15	16	8	18
Hansen's Disease	(9/)	-	-	-	-
Hepatitis A	-	-	-	-	-
Hepatitis B (Acute)	(9/)	5	(9/)	6	6
Influenza	(9/)	(9/)	5	10	13
Leptospirosis	-	-	-	-	-
Meningitis, bacterial	(9/)	-	(9/)	(9/)	(9/)
Pertussis (whooping cough)	-	-	-	-	-
Pneumococcal disease	(9/)	(9/)	(9/)	(9/)	(9/)
Salmonellosis	(9/)	-	-	(9/)	-
Shigellosis	-	-	-	-	-
Syphilis	-	(9/)	-	-	-
Tuberculosis	5	(9/)	(9/)	(9/)	6

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**Table 2.23--SPECIFIED COMMUNICABLE DISEASES: 2010 TO 2014 -- Con.**

- 1/ Place of occurrence basis.
- 2/ Includes scombroid, ciguatera and hallucinogenic fish poisoning.
- 3/ Excludes reinstated cases.
- 4/ Includes laboratory confirmed and clinically diagnosed cases.
- 5/ Includes previously unreported cases.
- 6/ Includes indigenous and imported cases.
- 7/ Includes laboratory confirmed and clinically diagnosed cases. Includes indigenous and imported cases.
- 8/ Place of residence basis. For the years shown, no deaths were reported from campylobacteriosis, fish poisoning, giardiasis, gonorrhea, malaria, measles (rubeola), mumps, or rubella. No data were available for deaths caused by *E. coli* 0157:H7.
- 9/ Less than 5 deaths.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Disease Outbreak Control Division, Disease Investigation Branch and AIDS Surveillance Program, records.

**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS 18 YEARS AND OLDER, BY COUNTY: 2014**

[Weighted percent of adults who reported the health risk behaviors or conditions.  
Ninety-five percent confidence interval in parenthesis, when available]

<b>Risk factor</b>	<b>State</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui</b>
Seatbelt non-use	0.8 (0.5- 1.3)	(NA)	(NA)	(NA)	(NA)
Binge drinking 1/	19.7 (18.3- 21.2)	18.9 (17.1- 20.8)	20.1 (17.3- 23.2)	19.5 (16.0- 23.5)	23.9 (20.6- 27.5)
High cholesterol 2/	(NA)	(NA)	(NA)	(NA)	(NA)
Hypertension 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Lack of physical activities 4/	19.6 (18.3- 20.9)	20.3 (18.6- 22.0)	19.8 (17.2- 22.7)	17.2 (14.0- 20.9)	16.8 (14.4- 19.6)
Less consumption of vegetables 5/	(NA)	(NA)	(NA)	(NA)	(NA)
Less consumption of fruit or 100% pure fruit juice 6/	(NA)	(NA)	(NA)	(NA)	(NA)
Kidney disease 7/	4.2 (3.6- 4.9)	4.2 (3.4- 5.1)	4.8 (3.6- 6.3)	4.7 (3.1- 6.9)	3.2 (2.2- 4.6)
Diabetes 8/	9.8 (8.8- 10.8)	9.9 (8.8- 11.3)	10.0 (7.9- 12.6)	9.6 (7.1- 12.7)	8.7 (6.9- 10.9)
Asthma 9/	16.2 (15.0- 17.5)	16.0 (14.4- 17.7)	16.7 (14.0- 19.7)	17.4 (14.1- 21.4)	16.7 (14.1- 19.5)
Current smoker	14.1 (13.0- 15.3)	13.2 (11.8- 14.8)	20.1 (17.1- 23.5)	14.3 (11.2- 18.0)	12.4 (10.1- 15.1)
Overweight 10/	36.0 (34.4- 37.7)	36.2 (34.1- 38.4)	38.1 (34.7- 41.7)	34.7 (30.6- 39.1)	32.7 (29.4- 36.1)

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**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS 18 YEARS AND OLDER, BY COUNTY: 2014 -- Con.**

Risk factor	State	Honolulu	Hawaii	Kauai	Maui
Obese I 11/	14.4 (13.3- 15.7)	14.5 (13.0- 16.1)	12.6 (10.4- 15.1)	13.6 (10.7- 17.2)	16.7 (14.2- 19.7)
Obese II 11/	4.5 (3.9- 5.2)	4.6 (3.8- 5.5)	4.4 (3.2- 6.0)	5.2 (3.5- 7.7)	4.3 (3.0- 6.1)
Obese III 11/	3.1 (2.6- 3.7)	3.1 (2.4- 4.0)	3.1 (2.0- 4.6)	(NA)	2.9 (2.0- 4.3)

NA Not available.

1/ Five or more drinks for men, or four or more drinks for women, on one occasion.

2/ Told by doctor, nurse or other health professional that their blood cholesterol was high.

3/ Told by doctor, nurse or other health professional that they have high blood pressure. Does not include high blood pressure during pregnancy because data was not available for some of the counties.

4/ Other than your regular job, did not participate in any physical activities during the past month.

5/ Consumption of vegetables (including beans and peas) less than three times per day.

6/ Consumption of fruit or 100% pure fruit juice less than three times per day.

7/ Told by doctor or health professional that they have kidney disease.

8/ Told by doctor or health professional that they have diabetes. Does not includes diabetes during pregnancy because data was not available for some of the counties.

9/ Told by doctor, nurse or other health professional that they have asthma.

10/ Body mass index (BMI) greater than or equal to 25 but less than 30. Criteria used in this table differs from the criteria used in years prior to 2000.

11/ From calendar year 2011, the one obese category which had been used earlier was separated into 3 obese categories. Obese I has BMIs greater than or equal to 30 but less than 35; Obese II has BMIs greater than or equal to 35 but less than 40; and Obese III has BMIs greater than or equal to 40.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Behavioral Risk <[http://health.hawaii.gov/brfss/files/2015/08/HBRFSS\\_2014\\_results.pdf](http://health.hawaii.gov/brfss/files/2015/08/HBRFSS_2014_results.pdf)> accessed October 23, 2015.

**Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES, BY TYPE OF FACILITY: 2002 TO 2014**

[Figures based on facilities that reported their activity]

Category and year	Facilities			
	Total 1/	Acute care 2/	Long-term care 2/	Specialty care
Number of facilities				
2002	72	20	45	23
2003	68	20	45	19
2004	70	22	47	20
2005	68	21	49	17
2006	62	19	43	13
2007	63	19	46	13
2008	66	19	46	14
2009	69	20	49	14
2010	70	20	48	15
2011	68	17	47	15
2012	68	17	47	15
2013	3/ 67	16	3/ 46	3/ 15
2014	65	17	44	15
Number of licensed beds				
2002	7,623	2,462	4,184	977
2003	7,685	2,507	4,196	982
2004	7,612	2,464	4,234	914
2005	7,602	2,473	4,257	872
2006	7,233	2,503	3,960	770
2007	7,325	2,528	4,115	682
2008	7,326	2,532	4,013	781
2009	7,632	2,559	4,294	779
2010	7,747	2,573	4,305	869
2011	7,303	2,280	4,207	816
2012	7,215	2,313	4,100	802
2013	3/ 7,200	2,297	3/ 4,101	3/ 802
2014	7,200	2,362	4,027	811

1/ Institutions providing more than one kind of care are counted only once.

2/ Acute/SNF is a "swing" bed designated to service either acute level or skilled nursing level patients.

They are classified under long-term care in this table.

3/ Revised from previous *Data Book*.

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Health Care Utilization Report* (annual) <<http://health.hawaii.gov/shpda/>> accessed June 6, 2016 and revised tables; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.26-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES: 2002 TO 2014**

[Figures based on facilities that reported their activity]

Type of facility and year	Admissions	Average daily census	Average daily percent occupancy
Acute care 1/			
2002	109,354	1,703	69.2
2003	109,055	1,654	66.0
2004	113,066	1,631	66.2
2005	110,873	1,666	67.4
2006	109,540	1,698	67.8
2007	108,732	1,638	64.8
2008	106,132	1,554	61.4
2009	110,724	1,551	60.6
2010	112,166	1,534	59.6
2011	109,309	1,512	66.3
2012	112,761	1,616	69.9
2013	2/ 113,907	2/ 1,595	2/ 69.4
2014	109,643	1,622	68.7
Long-term care 1/			
2002	6,673	3,931	94.0
2003	7,468	3,903	93.0
2004	7,881	3,930	92.8
2005	8,393	3,985	93.6
2006	7,120	3,755	94.8
2007	7,630	3,859	93.8
2008	7,555	3,512	87.5
2009	8,502	3,627	84.5
2010	8,490	3,753	87.2
2011	8,899	3,762	89.4
2012	8,640	3,538	86.3
2013	2/ 9,034	2/ 3,633	2/ 88.6
2014	8,922	3,580	88.9

1/ Acute/SNF is a "swing" bed designated to service either acute level or skilled nursing level patients. They are classified under long-term care in this table.

2/ Revised from previous *Data Book*.

Source: State Health Planning & Development Agency, *Health Care Utilization Report* (annual) <<http://health.hawaii.gov/shpda/>> accessed June 6, 2016 and revised tables; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.27-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN FACILITIES, BY TYPE OF FACILITY, BY ISLAND: DECEMBER 2013**

[Figures based on facilities that reported their activity]

Category and island	Facilities			
	Total 1/	Acute care 2/	Long-term care 2/	Specialty care
Number of facilities				
State total	3/ 67	16	3/ 46	3/ 15
Oahu	3/ 43	8	3/ 28	3/ 11
Hawaii	10	3	9	-
Kauai	6	3	5	-
Maui	6	1	3	3
Molokai	2	1	1	1
Lanai	-	-	-	-
Number of licensed beds				
State total	3/ 7,200	2,297	3/ 4,101	3/ 802
Oahu	3/ 4,913	1,713	3/ 2,466	3/ 734
Hawaii	1,090	251	839	-
Kauai	3/ 444	101	3/ 343	-
Maui	733	221	449	63
Molokai	20	11	4	5
Lanai	-	-	-	-

1/ Institutions providing more than one kind of care are counted only once.

2/ Acute/SNF is a "swing" bed designated to service either acute level or skilled nursing level patients. They are classified under long-term care in this table.

3/ Revised from previous *Data Book*.

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2013 Data* (revised report) <<http://health.hawaii.gov/shpda/>> accessed June 6, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.28-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN FACILITIES, BY TYPE OF FACILITY, BY ISLAND: DECEMBER 2014**

[Figures based on facilities that reported their activity]

Category and island	Facilities			
	Total 1/	Acute care 2/	Long-term care 2/	Specialty care
Number of facilities				
State total	65	17	44	15
Oahu	42	9	26	12
Hawaii	10	3	9	-
Kauai	6	3	5	-
Maui	5	1	3	2
Molokai	2	1	1	1
Lanai	-	-	-	-
Number of licensed beds				
State total	7,200	2,362	4,027	811
Oahu	4,924	1,783	2,392	749
Hawaii	1,092	253	839	-
Kauai	444	101	343	-
Maui	720	214	449	57
Molokai	20	11	4	5
Lanai	-	-	-	-

1/ Institutions providing more than one kind of care are counted only once.

2/ Acute/SNF is a "swing" bed designated to service either acute level or skilled nursing level patients. They are classified under long-term care in this table.

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2014 Data* <<http://health.hawaii.gov/shpda/>> accessed June 6, 2016 ; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.29-- NUMBER AND BED CAPACITY OF STATE-APPROVED ADULT CARE HOMES, BY TYPE OF FACILITY, BY ISLAND: 2013 TO 2015**

[As of December 31. Excludes Community Care Foster Family Homes]

Category and island	2013		2014		2015	
	Type I 1/	Type II 2/	Type I 1/	Type II 2/	Type I 1/	Type II 2/
Number of facilities						
State total	451	29	460	36	460	36
Oahu	377	29	383	35	382	35
Hawaii	49	-	52	-	52	-
Kauai	12	-	12	-	12	-
Maui	10	-	10	1	11	1
Molokai	3	-	3	-	3	-
Lanai	-	-	-	-	-	-
Number of licensed beds 3/						
State total	2,141	465	2,175	549	2,177	549
Oahu	1,804	465	1,827	527	1,825	527
Hawaii	221	-	234	-	234	-
Kauai	53	-	53	-	53	-
Maui	48	-	46	22	50	22
Molokai	15	-	15	-	15	-
Lanai	-	-	-	-	-	-

1/ Five beds or fewer.

2/ More than five beds.

3/ All facilities and care home beds are licensed by the Office of Health Care Assurance.

Source: Hawaii State Department of Health, Office of Health Care Assurance, records.

**Table 2.30-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLAND: 2013**

[Figures based on facilities that reported their activity]

Type of facility and island	Admissions	Average daily census	Average daily percent occupancy
Acute care 1/			
State total	2/ 113,907	2/ 1,595	2/ 69.4
Oahu	2/ 82,412	2/ 1,231	2/ 71.9
Hawaii	12,620	159	63.4
Kauai	4,902	56	55.6
Maui	2/ 13,865	147	66.7
Molokai	108	1	8.7
Lanai	-	-	0.0
Long-term care 1/			
State total	2/ 9,034	2/ 3,633	2/ 88.6
Oahu	2/ 6,301	2/ 2,220	2/ 90.0
Hawaii	2/ 1,455	2/ 730	2/ 87.0
Kauai	688	292	2/ 85.2
Maui	580	390	86.9
Molokai	10	1	22.7
Lanai	-	-	0.0

1/ Acute/SNF is a "swing" bed designated to service either acute level or skilled nursing level patients. They are classified under long-term care in this table.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2013 Data* (revised report) <<http://health.hawaii.gov/shpda/>> accessed June 6, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.31-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLAND: 2014**

[Figures based on facilities that reported their activity]

Type of facility and island	Admissions	Average daily census	Average daily percent occupancy
Acute care 1/			
State total	109,643	1,622	68.7
Oahu	82,837	1,249	70.0
Hawaii	12,421	163	64.4
Kauai	4,916	55	54.2
Maui	9,350	155	72.4
Molokai	119	1	9.1
Lanai	-	-	0.0
Long-term care 1/			
State total	8,922	3,580	88.9
Oahu	6,157	2,179	91.1
Hawaii	1,493	725	86.4
Kauai	714	299	87.1
Maui	541	376	83.7
Molokai	17	1	31.2
Lanai	-	-	0.0

1/ Acute/SNF is a "swing" bed designated to service either acute level or skilled nursing level patients. They are classified under long-term care in this table.

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2014 Data* <<http://health.hawaii.gov/shpda/>> accessed June 6, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.32-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE CHILD AND ADOLESCENT MENTAL HEALTH SERVICES: 2011 TO 2015**

[Fiscal year ending June 30. Youths registered to the Child and Mental Health Division for one or more days]

Subject	2011	2012	2013	2014	2015
Total	2,438	1,954	2,119	2,225	2,405
Youths registered with services procured 1/ Number	1,197	1,230	1,313	1,337	1,505
Percent	49	63	62	60	63
Mean age (years)	13.9	14.2	14.0	13.9	13.6
Sex (%)					
Male	67	62	62	62	62
Female	33	38	38	38	38
County					
Hawaii	713	732	770	801	846
Honolulu	765	789	850	898	946
Kauai	679	160	186	225	262
Maui	178	185	225	248	320
Special populations 2/	102	87	88	53	31
Selected services procured (%) 3/					
Out-of-home	33.2	31.6	29.9	27.2	23.9
Out-of-state	0.6	0.5	0.4	1.6	2.3
Hospital residential	4.2	4.9	5.9	5.5	4.7
Community high risk	1.2	1.1	1.1	1.0	0.7
Community residential	12.4	11.1	11.8	10.4	8.5
Therapeutic group home 4/	3.3	1.7	-	-	-
Therapeutic foster home 4/	18.5	17.8	15.2	13.2	11.5
Intensive home & community	75.0	72.7	75.1	77.4	76.8
Multi-systemic therapy	21.9	19.7	16.2	15.5	12.3
Intensive in-home	58.6	56.3	61.8	65.7	67.5
Outpatient 5/	17.5	22.3	23.5	20.2	22.5
Supportive services 6/	14.0	12.9	14.3	12.9	12.1
Crisis stabilization	5.0	5.8	3.5	2.8	2.5

Continued on next page.

**Table 2.32-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE  
CHILD AND ADOLESCENT MENTAL HEALTH SERVICES:  
2011 TO 2015 -- Con.**

1/ Youths receiving one or more services procured from contracted provider agencies.

2/ Non-county-specific programs for which a youth may be registered. Shown under the Family Court Liaison Branch.

3/ Youths receiving one or more days of service by level of care as a percent of all registered youths. Procurement of mental health services from contracted provider agencies. Only selected service subgroups are shown.

4/ Due to the publication of the new Interagency Performance Standards and Practice Guidelines and the statewide service procurement initiative, the Child and Adolescent Mental Health service array was revised. Data reflecting this new service array is presented in the table. Figures for earlier services were mapped to the new reporting system to provide some historical continuity. But figures for the newly defined services may impact figures for the other existing services so historical data should be used with caution.

5/ Include treatment (such as medication management, Functional Family Therapy, and outpatient therapy [individual, group or family]), consultation, and assessment of any type.

6/ Includes respite home and ancillary services that could not be classified as another level of care.

Source: Hawaii State Department of Health, Child and Adolescent Mental Health Division, *Annual Evaluation Report Fiscal Year* (annual), *Annual Evaluation Presentation* (annual), *Fiscal Year Annual Fact Book* (annual) <<http://health.hawaii.gov/camhd/resource-library/research-and-evaluation/>> accessed May 26, 2016 and records.

**Table 2.33-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 1999 TO 2014**

<b>Facilities and year</b>	<b>Persons active, Dec. 31</b>	<b>Admissions</b>	<b>Discharges</b>	<b>Persons served</b>
<b>Hawaii State Hospital</b>				
1999	144	123	146	272
2000	164	154	141	283
2001	148	148	162	299
2002	164	182	169	320
2003	167	180	177	329
2004	171	182	178	331
2005	195	220	196	365
2006	177	176	194	349
2007	192	217	202	367
2008	165	200	227	363
2009	191	200	185	348
2010	188	209	216	377
2011	185	201	207	372
2012	181	291	295	430
2013	199	333	315	465
2014	192	278	264	447
<b>State-supported outpatient community mental health centers</b>				
1999	3,168	1,281	951	4,009
2000	3,039	1,062	1,185	3,985
2001	3,064	1,150	1,144	3,976
2002	3,156	1,158	1,126	4,043
2003	3,657	1,550	954	4,446
2004	4,378	1,969	1,184	5,347
2005	4,996	2,056	1,455	6,149
2006	5,249	1,920	1,612	6,609
2007 1/	4,073	2,540	4,108	7,998
2008 1/	3,895	2,960	3,348	7,153
2009 1/	3,475	3,463	4,079	6,670
2010 1/	3,496	2,925	2,997	5,810
2011 1/	2,996	2,473	2,815	4,392
2012 1/	2,796	2,211	2,411	4,030
2013 1/	3,000	2,121	1,797	3,744
2014 1/	2,801	1,918	1,763	3,480

1/ Beginning in 2007, the methodology was changed to include persons seen only for assessment or eligibility determination.

Source: Hawaii State Department of Health, Adult Mental Health Division, records.

**Table 2.34-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:  
2000 TO 2015**

[Fiscal year ending June 30 unless otherwise specified]

Year	Number of beds on June 30 1/	Admissions		Patients in hospital 3/	
		Total	First 2/	Average	On June 30
2000	168	137	4/ 60	151	149
2001	168	183	88	158	157
2002	168	169	93	152	137
2003	168	184	101	167	174
2004	178	184	92	171	169
2005	178	182	80	172	181
2006	190	208	97	187	187
2007	190	191	82	183	191
2008	202	226	99	193	179
2009	202	192	75	174	183
2010	202	230	87	192	186
2011	202	220	75	185	180
2012	202	277	118	190	199
2013	202	301	125	186	195
2014	202	4/ 299	131	196	204
2015	202	304	112	205	198

1/ Number of licensed beds. The number of beds available for use, however, is dependent upon the staff/patient ratio.

2/ Admissions in which a person has entered the facility for the first time. In previous *Data Books*, these figures were erroneously described as admissions in which a person had entered the facility for the first time during the fiscal year that data was being collected for.

3/ Includes patients on leave and absent without leave. In 2015, about 8 percent of the patients were on leave or absent without leave.

4/ Revised from previous *Data Book*.

Source: Hawaii State Hospital, records.

**Table 2.35-- HANSEN'S DISEASE PATIENTS REGISTERED: 2010 TO 2014**

<b>Subject</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Patients on register, Dec. 31	272	285	298	304	304
Department of Health, Hansen's Disease					
Community Program 1/	254	268	281	288	288
Kalaupapa	18	17	17	16	16
New cases	24	20	25	16	15
Deaths	1	1	-	1	-

1/ Patients are registered to this community program, but reside at home.

Source: Hawaii State Department of Health, Hansen's Disease Community Program, records.

**Table 2.36-- ESTIMATED USE OF SELECTED SUBSTANCES, FOR THE UNITED STATES AND HAWAII: 2012-2013 AND 2013-2014**

[Data in this table are annual averages based on the 2012-2013 and the 2013-2014 National Survey on Drug Use and Health. Current users are those persons 12 years old and over who used drugs at least once within the month prior to this study. The numbers in this table are based on national design-based estimates]

<b>Subject and geographic area</b>	<b>Any illicit drug 1/</b>	<b>Marijuana</b>	<b>Any illicit drug other than marijuana 1/</b>	<b>Cigarettes</b>	<b>Binge alcohol 2/</b>
2012-2013					
Estimated current users (1,000)					
United States	24,218	19,332	8,774	56,648	59,876
Hawaii	117	98	40	195	261
Current users as percent of population					
United States	9.3	7.4	3.4	21.7	22.9
Hawaii	10.3	8.6	3.5	17.2	23.0
2013-2014					
Estimated current users (1,000)					
United States	25,779	20,999	8,692	55,507	60,505
Hawaii	110	90	34	195	279
Current users as percent of population					
United States	9.8	8.0	3.3	21.1	22.9
Hawaii	9.7	7.9	3.0	17.1	24.4

1/ Illicit drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically. Illicit drugs other than marijuana include cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically. These estimates include data from original methamphetamine questions but do not include new methamphetamine items added in 2005 and 2006.

2/ Binge alcohol use is defined as drinking five or more drinks on the same occasion (i.e. at the same time or within a couple hours of each other) on at least one day in the past 30 days.

Source: U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012-2013 <<http://www.samhsa.gov/data/population-data-nsduh>> accessed July 13, 2015 and National Survey on Drug Use and Health, 2013 and 2014 <<http://www.samhsa.gov/data/reports-by-geography?tid=630&map=1>> accessed July 13, 2016.

**Table 2.37-- PREVALENCE OF VARIOUS SUBSTANCES WITH STUDENTS IN THE STATE OF HAWAII: 2011 TO 2015 AND UNITED STATES, 2013**

[In percentages. The survey is administered in odd-numbered years to Hawaii public school students in grades 6-12. Does not include charter or special public schools]

Substance	Hawaii			U.S.
	2011	2013	2015	2013
Marijuana use 1/	21.9	18.9	19.4	23.4
Ever used any form of cocaine	6.4	6.5	5.7	5.5
Ever used glue, aerosol spray can, or paints/spray to get high	9.7	9.2	8.0	8.9
Ever used heroin	(NA)	3.4	3.3	2.2
Ever used methamphetamines	3.4	4.3	3.8	3.2
Ever used hallucinogenic drugs 2/	(NA)	6.0	8.1	7.1
Ever used ecstasy	9.0	8.0	8.0	6.6
Ever took prescription drugs without a doctor's prescription	14.3	12.9	12.3	17.8
Alcohol use 3/	29.1	25.2	25.1	34.9
Binge drinking 4/	15.4	12.7	13.4	20.8
Smoked cigarettes 5/	10.1	10.4	9.7	15.7

NA Not available.

1/ Used marijuana one or more times during the 30 days before the survey.

2/ Hallucinogenic drugs such as LSD, acid, PCP, angel dust, mescaline, or mushrooms.

3/ Had at least one drink of alcohol on at least 1 day during the 30 days before the survey.

4/ Had five or more drinks of alcohol in a row within a couple of hours on at least 1 day during the 30 days before the survey.

5/ Smoked cigarettes on at least 1 day during the 30 days before the survey.

Source: University of Hawaii at Manoa, College of Education Curriculum Research & Development Group , *Results of the 2015 Hawaii State and Counties High School Youth Risk Behavior Survey (YRBS) and Cross-Year Comparisons*" (April 2016) <[http://www.hawaiihealthmatters.org/content/sites/hawaii/2015\\_YRBS\\_High\\_School\\_final\\_report-revised-20160418.pdf](http://www.hawaiihealthmatters.org/content/sites/hawaii/2015_YRBS_High_School_final_report-revised-20160418.pdf)> accessed July 13, 2016.

**Table 2.38-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS  
LICENSED IN HAWAII, BY PLACE OF ADDRESS: OCTOBER 15, 2015**

[Excludes inactive licenses]

<b>Place of address</b>	<b>Physicians and surgeons 1/</b>	<b>Dentists</b>	<b>Registered nurses</b>	<b>Pharmacists</b>
Total licensed	9,764	1,540	21,313	2,546
State of Hawaii	4,811	1,089	14,941	1,417
Oahu	3,720	845	10,975	1,054
Hawaii	472	109	1,806	170
Kauai	192	37	706	66
Maui	412	93	1,399	123
Molokai	11	4	36	4
Lanai	4	1	19	-
Mainland U.S.	4,890	434	6,300	1,124
Foreign	63	17	72	5

1/ Permanent licenses only. Does not include interns, residents, or physicians who provided State government services only.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Licensing Branch, <<http://cca.hawaii.gov/pvl/reports/>> accessed October 20, 2015; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.39-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2002 Economic Census]

NAICS code	Kind of business or operation	Estab-lish-ments (num-ber)	Rec-eipts/rev-enues (\$1,000)	Operat-ing expen-ses (\$1,000)	Annual payroll (\$1,000)	Paid employ-ees for pay period including March 12 (number)
62	Health care and social assistance	3,559	8,136,947	(1/)	3,290,592	66,772
621	Ambulatory health care services 2/	2,718	3,255,393	(1/)	1,385,904	25,213
6211	Offices of physicians	1,154	1,339,430	(1/)	624,078	7,329
6212	Offices of dentists	658	470,313	(1/)	184,471	4,167
6213	Offices of other health practitioners	551	242,484	(1/)	93,994	2,935
6214	Outpatient care centers	183	683,922	(1/)	269,064	5,209
6215	Medical and diagnostic laboratories	54	241,091	(1/)	84,798	1,721
6216	Home health care services	84	(D)	(1/)	(D)	(3/)
6219	Other ambulatory health care svcs	34	(D)	(1/)	(D)	(4/)
622	Hospitals	27	3,658,192	(1/)	1,381,923	21,720
6221	General medical and surgical	20	3,181,904	(1/)	1,187,630	18,519
6222	Psychiatric and substance abuse	2	(D)	(1/)	(D)	(4/)
6223	Specialty (except psychiatric and substance abuse)	5	(D)	(1/)	(D)	(5/)
623	Nursing and residential care facilities	146	588,474	(1/)	258,556	7,974
6231	Nursing care facilities (skilled)	46	375,258	(1/)	164,406	4,733
6232	Residential intellectual & dev disable, mental health and substance abuse	45	79,632	(1/)	40,654	1,256
6233	Continue care retiremt community & assisted living for elderly	45	122,515	(1/)	49,243	1,846
6239	Other residential care facilities	10	11,069	(1/)	4,253	139
624	Social assistance	668	634,888	(1/)	264,209	11,865
6241	Individual and family services	275	342,448	(1/)	148,369	6,878
6242	Community food and housing, and emergency & other relief svcs	86	110,897	(1/)	27,566	929
6243	Vocational rehabilitation services	62	70,498	(1/)	32,136	1,343
6244	Child day care services	245	111,045	(1/)	56,138	2,715

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**Table 2.39-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2012 -- Con.**

NAICS code	Kind of business or operation	Establishments (number)	Receipts/ Revenues (\$1,000)	Operating expenses (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
	Establishments exempt from federal income tax					
62	Health care and social assistance	765	4,956,503	4,574,389	1,943,397	39,984
621	Ambulatory health care services 2/	127	530,686	457,831	225,886	4,777
6214	Outpatient care centers	107	453,384	387,588	187,285	3,779
6216	Home health care services	14	(D)	(D)	(D)	(4/)
6219	Other ambulatory health care svc	6	(D)	(D)	(D)	(6/)
622	Hospitals	27	3,658,192	3,388,299	1,381,923	21,720
6221	General medical and surgical	20	3,181,904	2,973,638	1,187,630	18,519
6222	Psychiatric and substance abuse	2	(D)	(D)	(D)	(4/)
6223	Specialty (except psychiatric and substance abuse)	5	(D)	(D)	(D)	(5/)
623	Nursing and residential care facilities	70	250,628	239,585	120,490	3,724
6231	Nursing care facilities (skilled)	11	93,567	91,465	44,945	1,282
6232	Residential intellectual & dev disable, mental health and substance abuse	42	(D)	(D)	(D)	(5/)
6233	Continue care retiremt community & assisted living for elderly	8	68,513	63,895	31,758	1,094
6239	Other residential care facilities	9	(D)	(D)	(D)	(6/)
624	Social assistance	541	516,997	488,674	215,098	9,763
6241	Individual and family services	209	267,300	252,846	117,219	5,473
6242	Community food and housing, and emergency & other relief svcs	86	110,897	104,664	27,566	929
6243	Vocational rehabilitation services	37	43,561	42,214	22,090	1,018
6244	Child day care services	209	95,239	88,950	48,223	2,343

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**Table 2.39-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2012 -- Con.**

D Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

1/ Not available or not comparable.

2/ Industries in the ambulatory health care services subsector provide health care services directly or indirectly to ambulatory patients and do not usually provide inpatient services. Health practitioners in this subsector provide outpatient services, with the facilities and equipment not usually being the most significant part of the production process.

3/ 2,500 to 4,999 employees.

4/ 500 to 999 employees.

5/ 1,000 to 2,499 employees.

6/ 100 to 249 employees.

Source: U.S. Census Bureau, 2012 Economic Census, EC1262A1: Health Care and Social Assistance, Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 Hawaii (April 2015) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 5, 2015.

**Table 2.40-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY COUNTY AND PLACE : 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census]

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts/ Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees for pay period including March 12 (number)</b>
State total	3,559	8,136,947	3,290,592	66,772
Hawaii County	469	781,182	356,381	7,503
Captain Cook	8	2,205	885	31
Hawaiian Beaches	2	(D)	(D)	(1/)
Hawaiian Paradise Park	1	(D)	(D)	(2/)
Hilo	225	429,031	214,500	4,286
Holualoa	6	(D)	(D)	(1/)
Honaunau-Napoopoo	1	(D)	(D)	(2/)
Kahaluu-Keauhou	8	14,558	6,301	161
Kailua	69	67,215	28,564	642
Kalaoa	9	5,299	1,890	57
Mountain View	2	(D)	(D)	(2/)
Volcano	1	(D)	(D)	(2/)
Waikoloa Village	9	3,547	1,649	48
Waimea	31	77,131	32,921	635
Balance of Hawaii County	97	(D)	(D)	(3/)
Honolulu County	2,520	6,302,644	2,481,006	50,049
Ahuimanu	6	7,210	2,664	58
Aiea	51	27,325	10,067	282
East Honolulu	78	90,320	31,749	980
Ewa Beach	17	29,217	15,036	365
Ewa Gentry	2	(D)	(D)	(2/)
Ewa Villages	3	(D)	(D)	(4/)
Halawa	14	(D)	(D)	(5/)
Haleiwa	13	6,321	2,637	72
Hauula	2	(D)	(D)	(2/)
Heeia	5	741	349	13
Hickam Housing	3	(D)	(D)	(1/)
Iroquois Point	2	(D)	(D)	(2/)
Kahaluu	4	1,457	506	23
Kahuku	10	(D)	(D)	(6/)
Kailua	139	259,781	104,134	1,985

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**Table 2.40-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY COUNTY AND PLACE : 2012 -- Con.**

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts/ Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees for pay period including March 12 (number)</b>
Honolulu County (con.)				
Kaneohe	103	172,443	84,148	1,952
Kapolei	26	49,884	25,136	1,441
Laie	4	1,320	543	22
Maili	5	2,825	1,069	34
Makaha	10	12,304	5,327	207
Makakilo	7	(D)	(D)	(1/)
Mililani Mauka	8	(D)	(D)	(1/)
Mililani Town	25	25,542	11,797	246
Nanakuli	7	12,289	5,461	118
Ocean Pointe	4	(D)	(D)	(2/)
Pearl City	84	87,983	34,331	885
Pupukea	1	(D)	(D)	(1/)
Royal Kunia	5	(D)	(D)	(1/)
Schofield Barracks	1	(D)	(D)	(2/)
Urban Honolulu	1,513	4,534,947	1,749,101	32,660
Wahiawa	39	91,056	39,130	871
Waialua	2	(D)	(D)	(1/)
Waianae	30	75,830	34,980	826
Waikele	6	(D)	(D)	(4/)
Waimalu	90	(D)	(D)	(3/)
Waimanalo	6	(D)	(D)	(4/)
Waimanalo Beach	5	2,021	754	31
Waipahu	98	79,252	30,454	826
Waipio	8	44,444	19,678	356
Waipio Acres	2	(D)	(D)	(2/)
West Loch Estate	1	(D)	(D)	(2/)
Balance of Honolulu County	81	(D)	(D)	(3/)
Kauai County	177	311,622	144,990	3,082
Hanapepe	5	(D)	(D)	(1/)
Kalaheo	9	(D)	(D)	(1/)
Kapaa	26	28,873	15,272	288
Kekaha	1	(D)	(D)	(2/)
Kilauea	12	4,855	1,359	46
Lihue	91	207,795	92,694	1,823
Puhi	2	(D)	(D)	(2/)
Wailua Homesteads	2	(D)	(D)	(2/)
Balance of Kauai County	29	(D)	(D)	(5/)

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**Table 2.40-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY COUNTY AND PLACE : 2012 -- Con.**

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts/ Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees for pay period including March 12 (number)</b>
Maui County	393	741,499	308,215	6,138
Haiku-Pauwela	6	5,304	1,613	37
Kaanapali	2	(D)	(D)	(2/)
Kahului	96	170,232	76,084	1,533
Kaunakakai	19	23,794	9,780	265
Kihei	42	31,997	13,593	307
Kula	13	(D)	(D)	(1/)
Lahaina	24	20,704	8,802	194
Lanai City	9	4,605	1,954	45
Makawao	16	(D)	(D)	(1/)
Napili-Honokowai	2	(D)	(D)	(2/)
Paia	3	(D)	(D)	(2/)
Pukalani	6	(D)	(D)	(1/)
Waihee-Waiehu	1	(D)	(D)	(2/)
Wailea	6	1,207	230	4
Wailuku	122	448,085	181,612	3,326
Balance of Maui County	26	(D)	(D)	(4/)

D Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

1/ 20 to 99 employees.

2/ 0 to 19 employees.

3/ 1,000 to 2,499 employees.

4/ 100 to 249 employees.

5/ 500 to 999 employees.

6/ 250 to 499 employees.

Source: U.S. Census Bureau, 2012 Economic Census, EC1262A1: Health Care and Social Assistance, Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 Hawaii (April 2015) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 5, 2015.

**Table 2.41-- MARRIAGES: 2004 TO 2014**

[Place of occurrence basis]

Year	Marriages		Rates per 1,000 resident population 2/	Percent of marriages	
	Total	Resident 1/		Nonresi- dent 3/	Inter- racial 4/, 5/
2004	28,843	9,225	7.2	68.0	56.0
2005	29,272	9,358	7.2	68.0	54.7
2006	28,681	9,300	7.1	67.6	53.7
2007	27,346	9,401	7.1	65.6	55.1
2008	25,464	9,643	7.2	62.1	54.1
2009	23,169	9,017	6.7	61.1	53.1
2010	23,918	9,117	6.7	61.9	53.4
2011	24,177	8,907	6.5	63.2	55.2
2012	24,207	8,863	6.4	63.4	55.3
2013	22,902	8,692	6.2	62.0	55.0
2014	25,175	9,366	6.6	62.8	54.7

1/ One or both partners are residents of Hawaii.

2/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2015.

Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011. Rates may differ from previous *Data Books* due to revisions to these population figures.

3/ Both partners are nonresidents of Hawaii.

4/ Excludes nonresident marriages. For years prior to 2001, marriages where both bride and groom are in the "Part Hawaiian" or "Other races" categories were classified as non-interracial. Percentage based on number reporting.

5/ Definition of "interracial" marriages for this table was changed beginning in 2001. From 2001, marriages where either the bride or groom are "Part Hawaiian" were classified as "Interracial" and marriages where both the bride and groom were "Other races" were classified as "Unknown". In the years prior to 2001, marriages in which both the bride and groom were "Part Hawaiian" or "Other races" were classified as non-interracial. For 2001, the percent of "interracial" marriages would have been 42.6 if the definition from the years prior to 2001 was used. Percentage based on number reporting.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division "Table 1. Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 2011) <<http://www.census.gov/popest/data/intercensal/state/tables/ST-EST00INT-01.xls>> accessed September 28, 2011, "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015" (NST-EST2015-01) (December 2015) <<http://www.census.gov/popest/data/state/totals/2015/tables/NST-EST2015-01.xlsx>> accessed December 22, 2015 and earlier population estimates; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.42-- MARRIAGE AND DIVORCE RATES BASED ON RISK  
POPULATION: 1910 TO 2000**

Year	Females 15 years old and over 1/		Marriages 4/		Divorces 4/	
	Unmarried 2/	Married 3/	Number	Rate 5/	Number	Rate 6/
1910	9,667	31,380	2,112	218	210	7
1920	14,616	45,550	2,070	142	548	12
1930	26,059	53,948	2,504	96	546	10
1940	51,669	66,569	4,659	90	906	14
1950	58,995	94,520	5,446	92	1,112	12
1960	65,156	128,528	5,098	78	1,324	10
1970	98,016	166,596	7,312	75	2,452	15
1980	150,166	210,085	9,148	61	4,144	20
1990	183,984	244,799	10,180	55	5,396	22
2000	221,280	262,827	9,220	42	4,668	18

1/ Females 14 years old and over for 1940-1970.

2/ Single, widowed or divorced.

3/ Includes separated persons.

4/ Averages of the previous and current calendar year period which includes April 1. Place of occurrence basis for years prior to 1969-1970. Marriage data for 1969-1970 and later years are on a place of residence basis.

5/ Per 1,000 unmarried females 15 (or 14) years old and over.

6/ Per 1,000 married females 15 (or 14) years old and over.

Source: Robert C. Schmitt, *Demographic Statistics of Hawaii: 1778-1965* (University of Hawaii Press, 1968), pp. 214-215 and underlying data; *U.S. Census of Population: 1970*, Final Report PC (1)-B13, table 22; *U.S. Census of Population; 1980*, PC80-1-B13, table 21; Hawaii State Data Center, 1990 census tapes; Census 2000 Summary File 3 dataset <<http://factfinder.census.gov/servlet/BasicFactsServlet>> accessed August 28, 2003 ; Hawaii State Department of Health, *Annual Report, Statistical Supplement* for 1969, 1970, 1979, 1980, and Office of Health Status Monitoring, records.

**Table 2.43-- CHARACTERISTICS OF MARRIAGES: 2011 TO 2014**

[Place of occurrence basis]

<b>Subject</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Number	24,177	24,207	22,902	25,175
Percent on Oahu	49.6	49.9	49.9	49.5
Percent Hawaii residents				
Both partners	32.6	33.0	34.3	33.5
One partner only	4.2	3.6	3.7	3.7
Neither partner	63.2	63.4	62.0	62.8
Median age (years)				
Males	34	34	34	35
Females	31	31	32	33
Percent previously married				
Males	36.8	36.9	36.5	33.7
Females	35.3	35.1	35.0	33.5

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.44-- MARRIAGES, RESIDENT AND NONRESIDENT, BY RACE MIXTURE AND TYPE OF CEREMONY: 2014**

[Place of occurrence basis]

<b>Race mixture and type of ceremony</b>	<b>Total</b>	<b>At least one partner Hawaii resident</b>	<b>Both partners nonresidents</b>
All marriages	25,175	9,366	15,809
Race of partners			
Both partners same race 1/	13,763	3,640	10,123
Different race 2/	6,648	4,403	2,245
Percent different race 3/	32.6	54.7	18.2
Not reported 4/	4,764	1,323	3,441
Type of ceremony			
Civil ceremony	3,149	2,618	531
Religious ceremony	22,026	6,748	15,278

1/ Definition of "same race" was changed. It no longer includes marriages where both partners are of unknown race. These types of marriages are now included in the category "not reported".

2/ Includes marriages where either partner is "Part Hawaiian".

3/ Based on number reporting.

4/ One or both partners with unspecified race (unless one was "Part Hawaiian"), or both partners classified as "Other".

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.45-- MARITAL DISSOLUTION: 2000 TO 2014**

[Place of residence basis]

Subject	2000	2010	2014	Percent		
				2000	2010	2014
Married couples	216,077	1/ 224,402	1/ 232,049	100.0	100.0	100.0
Marriages ended 2/	8,365	(NA)	(NA)	3.9	(X)	(X)
By divorce 2/	4,707	(3/)	(3/)	2.2	(X)	(X)
By death	3,658	3,757	4,019	1.7	1.7	1.7
Husbands	2,574	2,672	2,797	1.2	1.2	1.2
Wives	1,084	1,085	1,222	0.5	0.5	0.5

NA Not available.

X Not applicable.

1/ Estimate. The degree of uncertainty for an estimate is represented through the use of a confidence interval. For the number of married couples in 2010, the lower bound of the 90 percent confidence interval is 218,877 while the upper bound is 229,927. For the number of married couples in 2014, the lower bound of the 90 percent confidence interval is 227,410 while the upper bound is 236,688.

2/ Includes divorces where only one partner is a resident of Hawaii.

3/ As of January 1, 2003, the Department of Health no longer collects statistics on divorce.

Source: Hawaii State Department of Health, *Statistical Report* (annual) and records; U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002) and the American Community Survey, "DP02 Selected Social Characteristics in the United States - Hawaii, 2010 American Community Survey 1-Year Estimates" (September 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed September 22, 2011 and American Community Survey, "DP02 Selected Social Characteristics in the United States - Hawaii, 2014 American Community Survey 1-Year Estimates" (September 2015) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed September 17, 2015.

## Section 3

# EDUCATION

This section presents statistics on enrollment in public and private schools, colleges and universities; students graduated and degrees awarded; the highest grade of school completed; achievement test results; school facilities, personnel, and expenditures; and libraries.

The principal sources of data on education are the U.S. Census Bureau, Hawaii State Department of Education, University of Hawaii, and private universities and colleges. *Historical Statistics of Hawaii*, Section 9, contains Island data back to 1820. Section 4 of the *Statistical Abstract of the United States: 2012* presents comparable information for the nation as a whole.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

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**Table**  
**Number   Table Name**

(Click on the table number to go to corresponding table)

<a href="#">03.26</a>	Enrollment and Earned Degrees Conferred, for Private Colleges and Universities: 2009 to 2015
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**Table 3.01-- SCHOOL ENROLLMENT, BY TYPE OF SCHOOL AND AGE BY SEX:  
2014**

Subject	Total	Male	Female
TYPE OF SCHOOL			
Persons 3 years and over enrolled	335,539	168,270	167,269
Enrolled in nursery school, preschool	19,893	9,524	10,369
Public school	8,261	4,631	3,630
Enrolled in kindergarten	15,994	8,739	7,255
Public school	13,132	6,965	6,167
Enrolled in grade 1 to grade 4	67,092	36,321	30,771
Public school	58,822	31,985	26,837
Enrolled in grade 5 to grade 8	67,412	34,287	33,125
Public school	55,514	28,476	27,038
Enrolled in grade 9 to grade 12	64,885	31,946	32,939
Public school	50,794	25,266	25,528
Enrolled in college undergraduate years	83,207	40,077	43,130
Public school	65,216	32,282	32,934
Enrolled in graduate or professional school	17,056	7,376	9,680
Public school	11,577	4,734	6,843
AGE			
Persons 3 years and over enrolled	335,539	168,270	167,269
3 and 4 years	17,689	8,581	9,108
Public school	7,396	4,080	3,316
5 to 9 years	81,318	43,752	37,566
Public school	69,564	37,559	32,005
10 to 14 years	83,173	41,526	41,647
Public school	68,289	34,216	34,073
15 to 17 years	45,129	22,674	22,455
Public school	35,037	17,999	17,038
18 and 19 years	20,758	10,165	10,593
Public school	16,665	8,499	8,166
20 to 24 years	35,183	16,453	18,730
Public school	28,456	13,902	14,554
25 to 34 years	29,802	14,863	14,939
Public school	21,972	11,408	10,564
35 years and over	22,487	10,256	12,231
Public school	15,937	6,676	9,261

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, "B14003. Sex by School Enrollment by Type of School by Age for the Population 3 Years and Over" and "B14002. Sex by School Enrollment by Level of School by Type of School for the Population 3 Years and Over" <<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed April 12, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.02-- EDUCATIONAL ATTAINMENT, BY SEX: 2014**

<b>Age and educational attainment</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>
Persons 18 to 24 years	136,621	76,338	60,283
Less than 9th grade	851	434	417
9th to 12th grade, no diploma	10,797	5,902	4,895
High school graduate, GED, or alternative	53,845	34,710	19,135
Some college, no degree	53,122	27,136	25,986
Associate's degree	7,777	3,879	3,898
Bachelor's degree	9,135	3,940	5,195
Graduate or professional degree	1,094	337	757
Persons 25 to 34 years	210,810	111,839	98,971
Less than 9th grade	2,401	1,359	1,042
9th to 12th grade, no diploma	9,912	5,060	4,852
High school graduate, GED, or alternative	55,535	32,775	22,760
Some college, no degree	57,665	32,067	25,598
Associate's degree	23,735	12,327	11,408
Bachelor's degree	47,202	22,051	25,151
Graduate or professional degree	14,360	6,200	8,160
Persons 35 to 44 years	176,248	91,615	84,633
Less than 9th grade	2,348	1,406	942
9th to 12th grade, no diploma	5,140	2,588	2,552
High school graduate, GED, or alternative	47,417	26,878	20,539
Some college, no degree	39,038	20,948	18,090
Associate's degree	19,876	9,734	10,142
Bachelor's degree	43,533	21,631	21,902
Graduate or professional degree	18,896	8,430	10,466
Persons 45 to 64 years	359,467	177,817	181,650
Less than 9th grade	12,214	5,698	6,516
9th to 12th grade, no diploma	12,847	6,820	6,027
High school graduate, GED, or alternative	103,807	55,378	48,429
Some college, no degree	73,545	36,377	37,168
Associate's degree	42,174	20,575	21,599
Bachelor's degree	72,935	32,013	40,922
Graduate or professional degree	41,945	20,956	20,989

Continued on next page.

**Table 3.02-- EDUCATIONAL ATTAINMENT, BY SEX: 2014 -- Con.**

<b>Age and educational attainment</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>
Persons 65 years and over	228,061	101,561	126,500
Less than 9th grade	22,473	7,443	15,030
9th to 12th grade, no diploma	13,554	5,915	7,639
High school graduate, GED, or alternative	70,908	27,345	43,563
Some college, no degree	41,294	19,674	21,620
Associate's degree	16,364	7,592	8,772
Bachelor's degree	36,645	18,844	17,801
Graduate or professional degree	26,823	14,748	12,075

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, "B15001. Sex by Age by Educational Attainment for the Population 18 Years and Over" <[http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14\\_1YR/B15001/0400000US15](http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_1YR/B15001/0400000US15)> accessed April 12, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.03-- YEARS OF SCHOOL COMPLETED BY PERSONS 25 YEARS OLD  
AND OVER: 1940 TO 2014**

Year	Percent high school graduate or higher 1/	Percent bachelor's degree or higher 2/
1940	20.5	5.3
1950	31.6	6.1
1960	46.1	9.0
1970	61.9	14.0
1980	73.8	20.3
1990	80.1	22.9
2000	84.6	26.2
2005	88.1	27.9
2006	89.0	29.7
2007	89.4	29.2
2008	90.3	29.1
2009	90.4	29.6
2010	89.9	29.5
2011	90.6	29.1
2012	90.4	30.1
2013	91.0	31.2
2014	91.7	31.0

1/ Before 1990, percent 4 years of high school or more.

2/ Before 1990, percent 4 years of college or more.

Source: U.S. Census Bureau, *U.S. Census of Population: 1960*, Final Report PC(1)-13C, table 47; *U.S. Census of Population: 1970*, Final Report PC(1)-C13, table 46; *1980 Census of Population*, PC80-1-C-13, table 61; *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13, table 1; *Profile of Selected Social Characteristics: 2000*, table DP-2 and U.S. Census Bureau, American Community Survey Office, American Community Survey "Hawaii - Selected Social Characteristics in the United States" (annual) see also <[http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS\\_14\\_1YR\\_DP02&prodType=table](http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_14_1YR_DP02&prodType=table)> accessed April 12, 2016.

**Table 3.04-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER, BY COUNTY: 2014**

<b>Subject</b>	<b>State total</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kauai</b>	<b>Maui</b>
Population 25 years and over	974,586	135,445	674,018	50,269	114,800
Percent					
High school graduate or higher	91.7	92.4	91.8	90.8	91.0
With bachelor's degree or higher	31.0	28.6	32.6	29.6	25.2

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, "Selected Social Characteristics in the United States: 2014" <[http://factfinder.census.gov/bkmk/table/0.1/en/ACS/14\\_1YR/DP02/0400000US15|0400000US15.05000](http://factfinder.census.gov/bkmk/table/0.1/en/ACS/14_1YR/DP02/0400000US15|0400000US15.05000)> accessed April 12, 2016.

**Table 3.05-- YEARS OF SCHOOL COMPLETED BY PERSONS 25 YEARS OLD AND OVER, FOR THE UNITED STATES AND HAWAII: 2014**

Geographic area	Population 25 years and over (1,000)	High school graduate or more		Bachelor's degree or more	
		Percent	Margin of error	Percent	Margin of error
United States	213,726	86.9	0.1	30.1	0.1
Hawaii	975	91.7	0.4	31.0	0.8
Rank 1/	41	2/ 9	(X)	17	(X)

X Not applicable.

1/ Among the 50 states and District of Columbia.

2/ Tied for 9 with Maine and South Dakota.

Source: U.S. Census Bureau, 2014 American Community Survey, 1-Year Estimates, "R1501. Percent of People 25 Years and Over Who Have Completed High School" and "R1501. Percent of People 25 Years and Over Who Have Completed a Bachelor's Degree" and "B15002. Sex by Educational Attainment for the Population 25 Years and Over" <<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed April 12, 2016.

**Table 3.06-- PRIVATE EDUCATIONAL SERVICES (NAICS 61),  
BY TYPE OF SERVICE: 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

<b>NAICS code</b>	<b>Type of service</b>	<b>Establishments (number)</b>	<b>Receipts/ Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees for pay period including March 12 (number)</b>
611	Educational services	347	158,389	51,088	2,410
6114	Business schools, & computer & management training	30	11,350	4,825	145
6115	Technical & trade schools	45	28,468	8,958	272
6116	Other schools & instruction	249	101,704	30,329	1,834
6117	Educational support services	23	16,867	6,976	159

Source: U.S. Census Bureau, 2012 Economic Census, Sector 61: EC1200A1: Educational Services: Geographic Area Series: Summary Statistics: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/00A1/0400000US15/naics~ALL-61](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/00A1/0400000US15/naics~ALL-61)> accessed May 1, 2015.

**Table 3.07-- PRIVATE EDUCATIONAL SERVICES (NAICS 611),  
BY TYPE OF SERVICE: 2013**

[Data refer to establishments with taxable payrolls. Excludes most government employees, railroad employees, and self-employed persons. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in the County Business Patterns prior to 1998. Therefore, comparability between the current data and data prior to 1998 may be limited]

NAICS code	Type of service	No. of establishments		Paid employees for pay period including March 12	Annual payroll (\$1,000)
		Total	20 or more employees		
611	Educational services	517	118	17,981	592,002
6111	Elementary & secondary schools	123	75	9,602	382,580
6112	Junior colleges	5	2	366	14,248
6113	Colleges, universities & professional schools	25	12	5,474	143,020
6114	Business schools, & computer & management training	26	-	113	4,306
6115	Technical & trade schools	43	1	234	9,327
6116	Other schools & instruction	264	27	1,988	32,687
6117	Educational support services	31	1	204	5,834

Source: U.S. Census Bureau, *2013 County Business Patterns* <<http://www.census.gov/econ/cbp/index.html>> accessed April 12, 2016, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.08-- EXPENDITURES, TOTAL AND PER PUPIL, BY EDUCATION LEVEL AND BY FUNCTION: 2007-2008**

[In thousands of dollars unless otherwise indicated. Components of education levels may not add up to total however figures are exactly as reported by source]

<b>Education level</b>	<b>Total expenditure</b>	<b>Instruction</b>	<b>Instructional support</b>	<b>Leadership</b>	<b>Operations</b>	<b>Other commitments</b>
Total expenditure	2,111,327	883,322	548,024	94,093	293,086	237,705
Total per pupil (\$)	11,837	4,952	3,072	528	1,643	1,333
<b>Elementary schools</b>						
Total expenditure	1,013,761	435,427	256,002	55,611	147,952	118,769
Total per pupil (\$)	11,607	4,985	2,931	637	1,694	1,360
<b>Middle schools</b>						
Total expenditure	333,999	144,114	86,531	14,284	49,781	39,289
Total per pupil (\$)	11,214	4,839	2,905	480	1,671	1,319
<b>High schools</b>						
Total expenditure	547,773	231,792	157,016	18,430	75,614	64,922
Total per pupil (\$)	11,023	4,664	3,160	371	1,522	1,306
<b>Combined schools</b>						
Total expenditure	160,969	71,990	48,475	5,768	19,738	14,725
Total per pupil (\$)	13,908	6,231	4,196	499	1,708	1,274

Source: Hawaii State Department of Education, Accounting Services Branch, and records.

**Table 3.09-- APPROPRIATED FUNDS AND EXPENDITURES BY  
CATEGORY AND FUND TYPE: 2013-2014 & 2014-2015**

[In millions of dollars, fiscal year ending June 30]

Item	Total	General	Federal	Special	Trust
2013-2014					
State budget appropriation	2,671.0	2,263.0	289.0	95.0	24.0
Total expenditures	2,562.0	2,225.0	289.0	40.0	8.0
Personnel services	1,710.0	1,547.0	140.0	20.0	3.0
Other	852.0	678.0	149.0	20.0	5.0
Funds carried over	38.0	38.0	-	-	-
Lapsed ceiling	71.0	-	-	55.0	16.0
2014-2015 1/					
State budget appropriation	2,704.0	2,332.0	253.0	95.0	24.0
Total expenditures	2,586.0	2,286.0	231.0	49.0	20.0
Personnel services	1,757.0	1,612.0	114.0	28.0	3.0
Other	829.0	674.0	117.0	21.0	17.0
Funds carried over	46.0	46.0	-	-	-
Lapsed ceiling	72.0	-	22.0	46.0	4.0

1/ Data are preliminary as of July 7, 2016.

Source: Hawaii State Department of Education, Office of Fiscal Services, *Department of Education Financial Report, July 1, 2013 - June 30, 2014* (January 2015)

<<http://www.hawaiipublicschools.org/Reports/FinRep2013-14.pdf>> accessed on April 28, 2015, and records.

**Table 3.10-- BUDGETED FUNDS, EXPENDITURES, PUPIL COST, ENROLLMENT AND NUMBER OF SCHOOLS: 2013-2014 TO 2014-2015**

[In millions of dollars unless otherwise specified. Fiscal year ending June 30]

Item	2013-2014	2014-2015 1/	Percent change, 2013-2014 to 2014-2015 1/
Appropriated funds total	2,671.0	2,704.0	1.2
General funds	2,263.0	2,332.0	3.0
Federal funds	289.0	253.0	-12.5
Special funds	95.0	95.0	0.0
Trust funds	24.0	24.0	0.0
Expenditures total	2,562.0	2,586.0	0.9
General funds	2,225.0	2,286.0	2.7
Federal funds	289.0	231.0	-20.1
Special funds	40.0	49.0	22.5
Trust funds	8.0	20.0	150.0
Per pupil cost (dollars) 2/	12,226	12,653	3.5
Enrollment total (number) 2/	185,273	180,895	-2.4
Regular/special schools (number)	175,476	170,482	-2.8
Charter schools (number)	9,797	10,413	6.3
Schools (number)	288	289	0.3
Regular/special schools	255	255	0.0
Charter schools	33	34	3.0

1/ Data are preliminary as of July 7, 2016.

2/ Based on official enrollment.

Source: Hawaii State Department of Education, Office of Fiscal Services, *Department of Education Financial Report, July 1, 2013 - June 30, 2014*, (January 2015) <<http://doe.k12.hi.us/reports/financialreports/FinancialReport13-14.pdf>> accessed on May 5, 2015, and records.

**Table 3.11-- GENERAL FUND BUDGET AND EXPENDITURES:  
2013-2014 TO 2014-2015**

[In dollars. Fiscal year ending June 30]

<b>Programs</b>	<b>2013-2014</b>	<b>2014-2015 1/</b>
General fund budget 2/	2,263,173,864	2,332,039,254
Total expenditures	1,939,320,559	1,998,377,184
Instruction & related services	1,586,084,825	1,620,790,763
Instructional support	36,642,346	40,211,008
School support services	264,776,197	281,697,336
Support services	51,817,191	55,678,077
Exclusions 3/	285,452,206	287,731,751
Adult education	3,477,375	3,771,499
Capitalized equipment expenditures	9,038,712	13,849,198
Debt service	272,936,119	270,111,054
Total expenditures & exclusions	2,224,772,765	2,286,108,935
Ending budget balance	38,401,099	45,930,319

1/ Preliminary data as of July 7, 2016.

2/ Includes public charter schools.

3/ Excluded in accordance with US DOE National Center for Education Statistics (NCES) Common Core of Data Specifications.

Source: Hawaii State Department of Education, Office of Fiscal Services, *Department of Education Financial Report, July 1, 2013 - June 30, 2014* (January 2015)

<[www.hawaiipublicschools.org/Reports/FinRep2013-14.pdf](http://www.hawaiipublicschools.org/Reports/FinRep2013-14.pdf)> accessed on May 1, 2015, and records.

**Table 3.12-- PUBLIC SCHOOL ENROLLMENT BY GRADE, BY COUNTY:  
2015-2016**

<b>Grade</b>	<b>State total</b>	<b>Hawaii</b>	<b>Maui</b>	<b>Honolulu</b>	<b>Kauai</b>	<b>Charter schools</b>
All grades	181,995	22,949	21,080	118,155	9,367	10,444
Nursery	1,586	224	143	1,140	57	22
Kindergarten	13,933	1,689	1,670	9,065	675	834
1	11,151	1,393	1,368	7,001	625	764
2	14,798	1,897	1,721	9,514	726	940
3	14,425	1,780	1,701	9,349	722	873
4	13,901	1,695	1,603	9,092	669	842
5	13,589	1,696	1,581	8,714	689	909
6	12,831	1,416	1,392	8,335	683	1,005
7	12,253	1,454	1,414	7,934	604	847
8	11,645	1,374	1,311	7,548	600	812
9	12,341	1,722	1,419	8,084	629	487
10	11,957	1,524	1,437	7,862	633	501
11	10,545	1,344	1,259	6,908	601	433
12	9,625	1,228	1,103	6,349	600	345
Special Ed.	17,415	2,513	1,958	11,260	854	830

Source: Hawaii State Department of Education <<http://www.hawaiipublicschools.org/DOE%20Forms/Enrollment/DOEnrollment2015-16.xlsx>> accessed April 13, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.13-- FEDERALLY-CONNECTED PUPILS IN PUBLIC SCHOOLS:  
FALL, 1996 TO 2015**

<b>Year</b>	<b>All federally-connected pupils</b>	<b>Percent of total enrollment</b>	<b>Includes dependents whose parents live and work on federal property</b>	<b>Includes dependents whose parents live on or work on federal property</b>
1996	32,122	17.0	14,741	17,381
1997	30,905	16.3	14,343	16,562
1998	31,438	16.7	13,628	17,810
1999	30,337	16.3	12,969	17,368
2000	30,251	16.5	12,689	17,562
2001	28,276	15.3	12,434	15,842
2002	29,068	15.8	12,235	16,833
2003	28,692	15.6	11,601	17,091
2004	29,462	16.1	11,617	17,845
2005	29,390	16.3	11,004	18,386
2006	27,815	15.4	10,609	17,206
2007	28,752	16.1	10,389	18,363
2008	28,026	15.7	10,057	17,969
2009	28,434	15.9	10,616	17,818
2010	28,741	15.6	10,581	18,160
2011	30,150	16.7	11,587	18,563
2012	28,976	15.6	11,047	17,929
2013	22,324	11.9	9,001	13,323
2014	27,660	15.1	9,881	17,779
2015 1/	22,598	12.4	8,889	13,709

1/ Preliminary data as of March 15, 2016.

Source: Hawaii State Department of Education, records.

**Table 3.14-- HAWAII STATE HIGH SCHOOL GRADUATES BY PUBLIC AND PRIVATE HIGH SCHOOL: 1982 TO 2015**

Year	Total graduates 1/	Public school graduates	Private school graduates
1982	13,999	11,563	2,436
1983	13,301	10,757	2,544
1984	13,041	10,454	2,587
1985	12,575	10,092	2,483
1986	12,511	9,958	2,553
1987	13,146	10,491	2,655
1988	13,449	10,751	2,698
1989	13,094	10,551	2,543
1990	12,278	9,848	2,430
1991	11,877	9,482	2,395
1992	12,015	9,615	2,400
1993	11,675	9,320	2,355
1994	12,353	9,870	2,483
1995	12,434	9,984	2,450
1996	12,482	9,995	2,487
1997	12,312	9,784	2,528
1998	12,915	10,369	2,546
1999	13,017	10,425	2,592
2000	13,380	10,671	2,709
2001	12,933	10,330	2,603
2002	13,368	10,771	2,597
2003	12,840	10,312	2,528
2004	13,212	10,657	2,555
2005	13,393	10,847	2,546
2006	13,645	10,834	2,811
2007	13,821	10,909	2,912
2008	14,622	11,539	3,083
2009	14,721	11,699	3,022
2010	14,052	11,072	2,980
2011	13,976	11,062	2,914
2012	14,288	11,379	2,909
2013	14,316	11,377	2,939
2014	14,140	11,234	2,906
2015	13,476	10,660	2,816

1/ Excludes home schoolers and students who earned high school diplomas through the General Education Development (GED) examination.

Source: University of Hawaii, Institutional Research and Analysis Office  
 <<http://www.hawaii.edu/iro/maps.php?title=High+School+Background+of+First-Time+Students>>  
 accessed April 14, 2016, and records.

**Table 3.15-- PRIVATE SCHOOLS, TEACHERS, AND ENROLLMENT,  
1993-1994 TO 2011-2012 AND PRIVATE HIGH SCHOOL  
GRADUATES, 1991-1992 TO 2010-2011**

[Data limited to schools that offer first grade or above]

School year	Number of schools	Enrollment	FTE teachers 1/	High school graduates	
				Year	Number
1993-94	121	30,537	2,144	1991-92	1,886
1995-96	127	34,541	2,532	1994-95	2,603
1997-98	126	33,300	2,658	1996-97	2,618
1999-00	130	32,193	2,475	1998-99	2,533
2001-02	137	40,199	3,269	2000-01	3,388
2003-04	133	37,228	3,070	2002-03	2,780
2005-06	115	29,721	2,506	2004-05	1,674
2007-08	136	33,441	2,880	2006-07	2,385
2009-10	135	33,536	3,044	2008-09	2,659
2011-12	134	33,994	3,013	2010-11	2,760

1/ FTE refers to full-time equivalents, which may differ from headcount.

Source: National Center for Education Statistics, Private School Universe Survey, various surveys.

See also <<http://nces.ed.gov/>> accessed May 2, 2014.

**Table 3.16-- SELECTED CHARACTERISTICS OF PUBLIC SCHOOL TEACHERS:  
2001-2002 TO 2014-2015**

[Includes all public schools, with the exception of public charter schools and special schools]

School year	FTE teachers 1/	Head count teachers	Licensed teachers 2/ (percent)	Average years experience	5+ years at same school (percent)	Advanced degree 3/ (percent)
2001-2002	10,726.5	10,846	(NA)	12.7	69	22.3
2002-2003	10,727.0	10,857	87.0	12.5	56	23.5
2003-2004	10,883.5	11,010	84.9	12.0	53	25.6
2004-2005	10,971.5	11,103	84.6	11.6	52	26.9
2005-2006	10,959.5	11,075	86.0	11.5	52	28.1
2006-2007	11,052.0	11,154	86.3	11.4	52	29.0
2007-2008	10,963.0	11,151	87.5	11.4	53	30.0
2008-2009	10,884.5	11,094	90.3	11.6	55	31.0
2009-2010	10,887.5	10,967	93.4	12.1	58	32.3
2010-2011	10,808.5	10,871	95.5	13.1	61	33.9
2011-2012	10,862.5	10,927	96.5	12.2	62	34.8
2012-2013	10,826.0	10,886	96.8	13.2	62	35.3
2013-2014	10,922.0	10,984	96.7	13.2	60	36.1
2014-2015	10,809.5	10,864	96.5	13.4	60	36.8

NA Not available.

1/ FTE refers to full-time equivalents, which may differ from head count.

2/ Teachers who are fully licensed by the Hawaii State Teachers Standards Board.

3/ Teachers who have earned degrees beyond a bachelor's degree.

Source: Hawaii State Department of Education, *Trend Report: Educational and Fiscal Accountability*, various issues <<http://arch.k12.hi.us/school/trends/trends.html#>> accessed April 13, 2016.

**Table 3.17-- SELECTED CHARACTERISTICS OF PUBLIC SCHOOL STUDENTS:  
2001-2002 TO 2014-2015**

[Includes all public schools, with the exception of public charter schools and special schools]

School year	Average daily attendance (percent)		Students who are not suspended 1/	9th grade retention rate 2/ (percent)	Dropout rate 3/ 4/ (percent)	Graduate on-time 4/ 5/ (percent)
	Elementary	Secondary				
2001-2002	94.5	92.2	93.5	13.9	(NA)	78.9
2002-2003	94.5	92.2	94.3	14.3	14.3	80.0
2003-2004	94.7	92.2	95.0	14.5	15.1	79.9
2004-2005	94.3	92.2	94.7	15.3	14.8	79.6
2005-2006	94.1	92.1	94.6	15.3	15.4	79.5
2006-2007	94.4	92.2	94.1	15.1	16.1	79.3
2007-2008	94.4	91.6	94.5	14.1	15.7	80.3
2008-2009	94.5	91.3	94.5	12.5	15.4	80.1
2009-2010	94.9	92.1	95.1	12.5	16.3	79.7
2010-2011	94.7	93.1	95.0	12.2	15.7	80.8
2011-2012	94.6	93.2	95.2	11.0	15.1	81.4
2012-2013	94.3	93.0	95.6	10.8	14.3	82.9
2013-2014	94.5	93.2	96.2	9.4	6/ 14.1	6/ 82.6
2014-2015	94.9	93.4	95.8	9.1	14.3	82.2

NA Not available.

1/ Students who are "offense-free" that is, they have not committed offenses which result in suspension from school.

2/ Students who are not promoted to the next grade level.

3/ Percent of high school students who enter 9th grade at a school, do not return to the same school, and are either officially exited as a "drop-out" or whose exit status is undetermined. The dropout rate is that of the previous school year. In the school year 2004-05 a new reporting system for dropouts began resulting in figures that are non-comparable to past years' figures.

4/ Starting in 2010-2011 the new Adjusted Cohort Graduation Rate methodology is used for a brief explanation 'See Trend Report Guide'.

5/ High school students who had completed high school within four years of their 9th grade entry date.

6/ Revised from previous *Data Book*.

Source: Hawaii State Department of Education, *Trend Report: Educational and Fiscal Accountability*, <<http://arch.k12.hi.us/school/trends/trends.html#>> accessed April 14, 2016.

**Table 3.18-- ETHNICITY OF PUBLIC SCHOOL STUDENTS: SCHOOL YEAR 2014-2015**

Ethnicity	Students (percent) 1/
Total	100.0
Asian, two or more	0.0
African American	2.8
Chinese	3.1
Filipino	22.1
Guamanian/Chamorro	0.3
Hispanic	3.6
Indo-Chinese	1.2
Japanese	9.1
Korean	1.1
Micronesian	4.2
Multiple two or more	1.3
Native American	0.6
Native Hawaiian	26.0
Other Asian	0.5
Other Pacific Islander	0.5
Pacific Islander, two or more	0.0
Portuguese	1.5
Samoan	3.4
Tongan	0.7
White	17.0
White, two or more	0.0

1/ Percents may not sum to 100 due to rounding.

Source: State of Hawaii, Department of Education, Assessment and Accountability Branch, records.

**Table 3.19-- ETHNICITY OF PUBLIC SCHOOL TEACHERS: SCHOOL YEAR 2014-2015**

Ethnicity	Teachers (percent) 1/
Total	100.0
African-American	0.7
Caucasian	24.1
Chinese	3.6
Filipino	6.4
Hawaiian/Part-Hawaiian	9.9
Hispanic	1.3
Japanese	25.3
Korean	1.0
Native American	0.0
Samoan	0.5
Other	26.7

1/ Percents may not sum to 100 due to rounding.

Source: State of Hawaii, Department of Education, Assessment and Accountability Branch, records.

**Table 3.20-- SAT SCORE AVERAGE: 2002 TO 2015**

[Recalibrated average, not directly comparable to earlier data reported in *Data Book* 1995, table 3.17. Formerly known as the Scholastic Assessment Test]

Year	Hawaii average			U.S. average		
	Math	Reading 1/	Writing	Math	Reading 1/	Writing
2002	520	488	(NA)	516	504	(NA)
2003	516	486	(NA)	519	507	(NA)
2004	514	487	(NA)	518	508	(NA)
2005	516	490	(NA)	520	508	(NA)
2006	509	482	472	518	503	497
2007	506	484	473	2/ 514	2/ 501	2/ 493
2008	502	481	470	2/ 514	2/ 500	2/ 493
2009	502	479	469	2/ 514	2/ 499	2/ 492
2010	504	482	470	515	500	491
2011	500	479	469	514	497	489
2012	500	478	467	514	496	488
2013	504	481	468	514	496	488
2014	504	484	472	513	497	487
2015	508	487	477	511	495	484

NA Not available.

1/ Formerly verbal, before 2006.

2/ Revised from previous *Data Book*.

Source: College Board: College-Bound Seniors, Total Group and State Profile Report (annual) (U.S. and Hawaii), and various issues <<https://www.collegeboard.org/>> accessed April 13, 2016.

**Table 3.21-- TERRANOVA TEST RESULTS FOR PUBLIC SCHOOL GRADES 3, 4, 5, 6, 7, 8, AND 10: SCHOOL YEAR 2010-2011**

[The Hawaii State Assessment was based on the results of TerraNova test. It has replaced the Stanford Achievement Test as the norm-referenced test. In percentages. Figures might not total 100 percent due to rounding]

<b>Subject and level</b>	<b>Grade 3</b>	<b>Grade 4</b>	<b>Grade 5</b>	<b>Grade 6</b>	<b>Grade 7</b>	<b>Grade 8</b>	<b>Grade 10</b>
Reading							
Low	20	16	15	16	19	12	17
Average	54	56	54	60	55	60	61
High	26	28	31	25	27	28	22
Math							
Low	15	11	10	11	15	12	9
Average	53	50	36	48	58	58	54
High	32	40	54	40	27	31	37

Source: Hawaii State Department of Education, Office of the Superintendent, records.

**Table 3.22-- HAWAII SMARTER BALANCED ASSESSMENT RESULTS FOR PUBLIC SCHOOL GRADES 3, 4, 5, 6, 7, 8, AND 11: 2014-2015**

[Proficiency percentages in this table are based on the scores of all students who took the test. The percentage tested is given for reference only]

<b>Subject and level</b>	<b>Grade 3</b>	<b>Grade 4</b>	<b>Grade 5</b>	<b>Grade 6</b>	<b>Grade 7</b>	<b>Grade 8</b>	<b>Grade 11</b>
Reading	46	48	54	47	44	47	53
Math	50	46	42	38	38	39	30

Source: Hawaii State Department of Education, Smarter Balanced Assessment Results, <<http://www.hawaiipublicschools.org/TeachingAndLearning/Testing/StateAssessment/Pages/home.aspx>> accessed April 14, 2016.

**Table 3.23-- HEADCOUNT ENROLLMENT AT THE UNIVERSITY OF HAWAII, BY CAMPUS: FALL 2008 TO 2015**

[Fall headcount of credit students, includes special students (early admits and concurrent registrants) for all years shown]

Year	Total, all campuses	University of Hawaii at Manoa				Unclasi- fied	Univ. of Hawaii at Hilo	Univ. of Hawaii- West Oahu
		Total	Classified					
			Under- graduates	Gradu- ates				
2008	53,526	20,169	13,438	5,540	1,157	3,773	1,140	
2009	57,945	20,435	13,583	5,726	1,080	3,974	1,333	
2010	60,090	20,337	13,599	5,726	971	4,079	1,471	
2011	60,330	20,429	14,054	5,475	842	4,139	1,662	
2012	60,295	20,426	14,279	5,243	822	4,157	1,997	
2013	58,941	20,006	1/ 14,097	1/ 5,017	799	4,043	2,361	
2014	57,052	19,507	13,667	4,893	836	3,924	2,661	
2015	55,756	18,865	13,320	4,754	718	3,829	2,692	
Year	UH Community Colleges							
	Total	Honolulu	Kapiolani	Leeward	Windward	Hawaii	Kauai	Maui
2008	28,444	4,218	8,221	6,771	1,959	2,884	1,104	3,287
2009	32,203	4,567	9,102	7,484	2,316	3,275	1,345	4,114
2010	34,203	4,725	9,301	7,942	2,625	3,815	1,428	4,367
2011	34,100	4,600	9,023	7,895	2,705	3,917	1,433	4,527
2012	33,715	4,582	8,892	7,960	2,741	3,663	1,495	4,382
2013	32,531	4,368	8,376	7,976	2,799	3,406	1,530	4,076
2014	30,960	4,144	7,994	7,742	2,661	3,186	1,424	3,809
2015	30,370	4,328	7,816	7,535	2,610	3,087	1,401	3,593

1/ Revised from previous *Data Book*.

Source: University of Hawaii, Institutional Research and Analysis Office <<https://www.hawaii.edu/institutionalresearch/enrReport.action?reportId=ENRT00>> accessed April 14, 2016, and records.

**Table 3.24-- DEGREES, DIPLOMAS, AND CERTIFICATES AWARDED BY  
THE UNIVERSITY OF HAWAII: 2009 TO 2015**

Year ended June 30	University of Hawaii at Manoa						Univ. of Hawaii West Oahu	
	Bachelor's	Master's	Doctorate	Professional practice 1/	Other 2/	No data	Bachelor's	
2009	2,933	1,155	183	170	55	-	221	
2010	2,834	1,169	184	167	60	-	242	
2011	2,957	1,232	212	199	75	-	255	
2012	3,026	1,223	196	210	112	-	301	
2013	3,202	1,049	229	192	65	-	349	
2014	3,378	1,121	194	190	66	-	352	
2015	3,404	975	239	244	61	-	439	

Year ended June 30	University of Hawaii at Hilo					UH Community Colleges		
	Certificates 3/	Bachelor's	Master's 4/	Doctorate	Professional practice 5/	Certificates	Associate's degree	Bachelor's
2009	36	547	30	1	-	6/ 338	2,408	4
2010	46	508	47	-	-	6/ 418	2,606	9
2011	28	581	37	1	84	6/ 474	2,847	3
2012	42	721	64	1	87	579	3,054	7
2013	-	676	46	1	86	754	3,336	9
2014	-	665	58	-	83	711	4,440	13
2015	-	749	60	-	96	888	3,930	7

1/ Includes Doctor of Jurisprudence (JD), Doctor of Medicine (MD), and Doctor of Architecture (DArch). Effective 2014, also includes Doctor of Nursing Practice (DNP), and effective 2015 also includes Doctor of Education (EdD). Referred to as First Professional degree prior to 2012.

2/ Includes Post-Baccalaureate Certificates.

3/ Includes Certificate in Teacher Education (PDN).

4/ Includes MS in Pharmacy effective 2013.

5/ Referred to as First Professional degree prior to 2012. Includes Doctor of Pharmacy (PharmD) effective 2011, and Doctor of Nursing Practice (DNP) effective 2015.

6/ Revised from previous *Data Book*.

Source: University of Hawai'i, Institutional Research and Analysis Office <[https://www.hawaii.edu/institutionalresearch/degreeReport.action?reportId=MAPS\\_DEG\\_TOC](https://www.hawaii.edu/institutionalresearch/degreeReport.action?reportId=MAPS_DEG_TOC)> accessed April 16, 2016.

**Table 3.25-- UNIVERSITY OF HAWAII CURRICULA, TUITION, FINANCES, AND FACULTY AND STAFF: 2013 TO 2015**

Subject	2013	2014	2015
Curricula offered at Manoa Campus	301	305	304
Bachelor's degree programs	97	100	99
Master's degree programs	85	85	85
Doctoral programs	52	53	53
Other programs 1/	67	67	67
Tuition per semester (full-time undergraduate, regular session) (dollars) 2/			
Manoa Campus:			
Resident	4,572	4,920	5,172
Nonresident	13,356	14,316	15,348
Hilo:			
Resident	3,096	3,324	3,456
Nonresident	8,976	9,324	9,684
West Oahu:			
Resident	3,048	3,324	3,456
Nonresident	8,808	9,324	9,684
Community colleges:			
Resident 3/	1,272	1,368	1,440
Nonresident 3/ 4/	3,648	3,792	3,936
Finances, fiscal year ending June 30			
Current fund revenues (\$1,000)	1,219,359	1,272,734	1,202,642
Current fund expenditures (\$1,000)	1,363,606	1,463,132	1,421,525
Faculty and staff, October 5/	10,507	10,318	10,167
Board of Regents appointees	9,064	8,897	8,770
Full-time	6,038	6,009	5,919
Part-time	3,026	2,888	2,851
Civil service personnel	1,443	1,421	1,397
Full-time	1,372	1,355	1,322
Part-time	71	66	75

1/ Includes undergraduate and graduate certificate programs, first professional degree programs (JD, MD, Arch), and post-baccalaureate in education and professional diploma in education.

2/ Per-semester tuition data are reported by academic years (e.g. 2013 = AY 2013-2014). Data reported are tuition only and do not include required student fees.

3/ Community Colleges tuition is charged on a per-credit basis for all enrolled credits. The amount shown here is based on 12 enrolled credits, and shown for comparative purposes only.

4/ With appropriate notification, individual community colleges may elect to charge a nonresident rate that falls within a pre-determined high and low range. For this table, the figure presented here reflects the average of one community college campus at the high rate and six campuses at the low rate.

5/ Includes persons on leave without pay.

Source: University of Hawai'i, Institutional Research and Analysis Office  
 <<http://www.hawaii.edu/cgi-bin/iro/maps?cuuhf13.pdf>> accessed February 28, 2014.; and <<http://www.hawaii.edu/cgi-bin/iro/maps?cuuhf14.pdf>> accessed May 13, 2015; and <<http://www.hawaii.edu/cgi-bin/iro/maps?cuuhf15.pdf>> accessed April 11, 2016; and <<http://hawaii.edu/iro/maps.php?title=Tuition+and+Fees+Schedule>> accessed April 11, 2016; and <<https://www.hawaii.edu/institutionalresearch/facstaffReport.action?reportId=FAC01>> accessed April 11, 2016, and records.

**Table 3.26-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR PRIVATE COLLEGES AND UNIVERSITIES: 2009 TO 2015**

[Excludes extension programs of mainland and foreign schools, unaccredited institutions, and other limited or specialized curriculum programs]

Year and institution 1/	Fall enrollment 2/			Earned degrees conferred 3/		
	Total	Undergrad.	Graduate	Associate's	Bachelor's	Master's
2009, total	13,251	11,315	1,936	296	1,884	597
Brigham Young	2,512	2,512	-	1	485	-
Chaminade	2,626	1,897	729	101	311	241
Hawaii Pacific	8,113	6,906	1,207	4/ 194	4/ 1,088	4/ 356
2010, total	13,892	11,874	2,018	298	1,884	620
Brigham Young	2,780	2,780	-	19	479	-
Chaminade	2,773	2,036	737	106	319	246
Hawaii Pacific	8,339	7,058	1,281	4/ 173	4/ 1,086	4/ 374
2011, total	13,673	11,581	2,092	272	1,729	647
Brigham Young	2,775	2,775	-	51	565	-
Chaminade	2,827	2,066	761	78	300	257
Hawaii Pacific	8,071	6,740	1,331	4/ 143	4/ 864	4/ 390
2012, total	13,168	11,090	2,078	306	1,840	667
Brigham Young	2,799	2,799	-	56	540	-
Chaminade	2,906	2,123	783	121	309	287
Hawaii Pacific	7,463	6,168	1,295	129	991	380
2013, total	12,175	10,305	1,870	375	1,899	680
Brigham Young	2,687	2,687	-	117	659	-
Chaminade	2,752	2,036	716	112	315	259
Hawaii Pacific	6,736	5,582	1,154	4/ 146	4/ 925	4/ 421
2014, total	11,105	9,412	1,693	344	2,117	689
Brigham Young	2,522	2,522	-	102	697	-
Chaminade	2,756	2,055	701	89	379	298
Hawaii Pacific	5,827	4,835	992	4/ 153	4/ 1,041	4/ 391
2015, total	10,053	8,615	1,438	337	1,976	612
Brigham Young	2,557	2,557	-	133	714	-
Chaminade	2,715	2,065	650	87	420	215
Hawaii Pacific	4,781	3,993	788	117	842	397

Continued on next page.

**Table 3.26-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR  
PRIVATE COLLEGES AND UNIVERSITIES: 2009 TO 2015 -- Con.**

1/ Brigham Young University, Hawaii Campus (in Laie); Chaminade University of Honolulu; Hawaii Pacific University (in Honolulu).

2/ In regular credit programs.

3/ Year ended June 30.

4/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual mail and survey of school officials.

**Table 3.27-- RESIDENCE AND MIGRATION OF FRESHMEN STUDENTS IN INSTITUTIONS OF HIGHER EDUCATION AND FRESHMEN STUDENTS GRADUATING FROM HIGH SCHOOL IN THE PAST 12 MONTHS: FALL 2012 AND FALL 2014**

Category	Freshman students 1/	Freshmen students 2/	
		Total	In 4-year colleges
Fall 2012			
Students enrolled in state 3/	10,271	7,578	4,274
Student residents of state 4/	11,785	9,036	5,669
Students remaining in state 5/	8,223	6,091	2,900
Migration of students			
Out of state	3,562	2,945	2,769
Into state	2,048	1,487	1,374
Net migration	-1,514	-1,458	-1,395
Fall 2014			
Students enrolled in state 3/	9,613	7,037	4,034
Student residents of state 4/	11,127	8,550	5,551
Students remaining in state 5/	7,395	5,300	2,473
Migration of students			
Out of state	3,732	3,250	3,078
Into state	2,218	1,737	1,561
Net migration	-1,514	-1,513	-1,517

1/ Freshman students who are enrolled at the reporting institution for the first time.

2/ Freshman students, graduating from high school in the past 12 months, who are enrolled at the reporting institution for the first time.

3/ New students, whether in-migrants or "remaining."

4/ New students residing in Hawaii when first admitted to the reporting institution, whether in Hawaii or on the Mainland.

5/ New students attending institutions in their home state.

Source: U.S. Department of Education, National Center for Education Statistics, Institute of Education Sciences, *Digest of Education Statistics 2013* (2015-001), May 2015, Tables 309.10-309.30,

<<http://nces.ed.gov/pubs2015/2015011.pdf>> accessed May 14, 2015; and Ibid. 2015

<[https://nces.ed.gov/programs/digest/2015menu\\_tables.asp](https://nces.ed.gov/programs/digest/2015menu_tables.asp)> accessed June 22, 2016.

**Table 3.28-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY  
SYSTEM: 2009 TO 2015**

<b>Subject</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Library locations, June 30							
State	51	51	50	50	50	50	50
Oahu	24	24	24	24	24	24	24
Other islands	27	27	26	26	26	26	26
Personnel, June 30	555.55	555.55	555.55	555.00	555.00	547.50	548.00
Hours open 1/	94,550	85,283	91,596	93,337	91,760	92,285	92,616
Collections, June 30 (1,000)	3,658	3,715	3,776	3,831	3,787	3,724	3,670
Circulation, year ended June 30 (1,000)	7,228	6,959	6,961	6,938	6,646	6,520	6,446
eBooks/Audio/Music circulation, year ended June 30	40,277	63,917	97,958	145,355	192,683	356,120	475,652
Customer visits (1,000)	6,020	5,337	4,869	5,347	5,153	4,875	4,941
Reference questions (1,000)	876	793	730	692	667	674	664
Public computers	537	520	521	688	769	775	760
Sites with wireless service	2	2	2	50	50	50	50
Internet sessions 2/	483,395	448,944	488,191	684,177	855,967	900,662	1,051,831
Library programs	3,767	3,337	2,844	3,506	3,579	3,956	4,305
Attendance	145,767	135,407	106,218	114,703	127,446	128,671	139,423
Group visits	7,760	5,297	5,731	5,191	5,455	5,564	5,195
Attendance	157,128	104,996	113,944	107,385	113,112	119,454	114,649

1/ The total annual service hours for all Hawaii State Public Library System libraries are included.

2/ Due to institution of privacy measures, no user count is available as of fiscal year 2008; wireless service sessions via patrons' personal devices included as of fiscal year 2009.

Source: Hawaii State Public Library System, Office of the State Librarian, records.

**Table 3.29-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM,  
BY COUNTY: 2015**

[As of June 30]

<b>County</b>	<b>Library locations</b>	<b>Personnel</b>	<b>Circulation</b>	
State total	50	548.00	6,445,931	
Oahu	24	407.00	3,898,622	
Hawaii	12	63.00	1,017,031	
Kauai	6	33.00	447,408	
Maui 1/	8	45.00	607,218	
Statewide eBooks/eAudio	(NA)	(NA)	475,652	
	<b>Collections</b>			
<b>County</b>	<b>Books</b>	<b>Periodical subscriptions</b>	<b>DVDs and video tapes</b>	<b>Sound recordings</b>
State total	3,217,687	2,740	164,341	230,951
Oahu	2,032,655	1,273	84,253	72,351
Hawaii	510,876	517	36,036	27,577
Kauai	252,624	219	18,212	8,497
Maui 1/	383,446	684	25,540	18,231
State Library for the Blind and Physically Handicapped 2/	38,086	47	300	104,295

NA Not available.

1/ Includes libraries on Lanai (one location), Maui (six locations), and Molokai (one location).

2/ Books include the Braille. Sound recordings include recorded cassettes and digital books.

Source: Hawaii State Public Library System, Office of the State Librarian, records.

**Table 3.30-- UNIVERSITY OF HAWAII LIBRARY SYSTEM HOLDINGS AND CIRCULATION,  
BY CAMPUS: 2013 AND 2014**

Campus	Number of volumes, June 30 1/		Circulation, year ended June 30		Number of electronic titles, June 30 2/		Number of electronic full-text items retrieved 2/	
	2013	2014	2013	2014	2013	2014	2013	2014
All campuses	3,508,540	3,649,201	398,753	356,541	3/ 278,602	274,764	3,744,410	4,249,342
UH Manoa, total	2,862,730	2,971,799	260,150	213,617	3/ 187,033	199,354	2,489,910	2,916,332
University of Hawaii at Manoa	2,811,788	2,920,113	245,665	207,346	168,339	180,294	2,169,343	2,709,221
UH Manoa Law Library	44,119	44,562	12,322	5,685	134,839	154,800	100,433	97,473
UH Manoa Health Sciences Library 4/	6,823	7,124	2,163	586	124,469	146,184	220,134	109,638
University of Hawaii-West Oahu	27,670	38,102	4,362	5,116	139,850	175,683	55,254	84,418
University of Hawaii at Hilo 5/	232,120	238,380	50,180	44,866	147,494	172,612	617,408	604,337
UH Center West Hawaii	4,352	5,076	1,190	899	120,332	140,962	1,992	2,272
University of Hawaii Maui College 6/ 7/	64,361	69,344	21,548	19,833	120,356	140,987	(NA)	196,965
Community colleges, total 4/ 5/	317,307	326,500	61,323	72,210	3/ 158,246	149,976	579,846	445,018
Honolulu	62,537	64,820	5,319	7,464	157,609	147,652	51,925	(NA)
Kapiolani	76,925	78,518	17,597	16,027	120,817	141,743	235,069	222,315
Leeward	71,771	71,722	23,074	31,679	120,337	141,667	211,583	141,831
Windward	43,738	48,264	10,291	11,579	120,479	141,143	72,443	68,910
Kauai	62,336	63,176	5,042	5,461	120,332	141,619	8,826	11,962

NA Not available.

1/ Number of volumes excludes microforms.

2/ Electronic titles include books, journals, databases.

3/ Number of total counts consortially purchased titles only once.

4/ John A. Burns School of Medicine.

5/ Hawaii Community College is included with the University of Hawaii at Hilo.

6/ Maui volumes includes holdings in Molokai, Lanai and Hana.

7/ Maui College became a 4-year college in 2013.

Source: University of Hawaii at Manoa Library records.

## Section 4

# LAW ENFORCEMENT, COURTS, AND PRISONS

Statistics in this section refer to crimes known to the police, stolen property, arrests, police personnel, attorneys, the judiciary system, prisons, and correctional facilities.

Statistics on law enforcement, courts, and prisons in Hawaii appear in the annual reports of the county police departments, the Hawaii State Judiciary, the Hawaii State Department of Public Safety, and the Administrative Office of the United States Courts. The Hawaii State Department of the Attorney General issues crime summary reports. Figures on crime, the courts, and corrections in earlier years appear in *Historical Statistics of Hawaii*, Section 10. National data are summarized in the *Statistical Abstract of the United States: 2012*, Section 5.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#">04.01</a>	Actual Index Offenses Known to the Police, by County: 1996 to 2013
<a href="#">04.02</a>	Actual Index Offenses Known to the Police, by Type of Offense, for the State of Hawaii: 2004 to 2013
<a href="#">04.03</a>	Actual Offenses Known to Police and Offenses Cleared by Arrest or Otherwise, by Class of Offense: 1996 to 2013
<a href="#">04.04</a>	Actual Offenses Known to Police, by Class of Offense, by County: 2012 to 2014
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**Table 4.01-- ACTUAL INDEX OFFENSES KNOWN TO THE POLICE,  
BY COUNTY: 1996 TO 2013**

[Index Offenses include murder, forcible rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Excludes arson in the Index Offenses total. Actual offenses include reported or known offenses, less unfounded cases]

Year	State total		City and County of Honolulu	Hawaii County	Kauai County	Maui County
	Number	Rate 1/				
1996	77,961	64.8	60,059	6,855	2,977	8,070
1997	71,492	59.0	53,410	7,317	2,849	7,916
1998	63,623	52.4	47,453	6,757	2,263	7,150
1999	57,324	47.4	42,678	5,815	2,076	6,755
2000	62,987	51.9	46,659	6,425	2,578	7,325
2001	65,947	53.8	48,442	6,985	2,346	8,174
2002	75,238	60.7	57,271	6,936	3,045	7,986
2003	69,267	55.4	50,912	7,133	3,043	8,179
2004	63,665	50.0	46,628	6,219	2,701	8,117
2005	64,067	49.6	44,953	8,278	2,221	8,615
2006	58,347	44.5	41,055	6,760	2,711	7,821
2007	56,411	42.9	39,810	6,369	3,008	7,224
2008	49,454	37.1	34,356	5,935	2,792	6,371
2009	51,066	37.9	35,912	6,211	2,895	6,048
2010	49,270	36.1	34,216	5,769	2,722	6,563
2011	47,340	34.3	32,982	5,201	2,861	6,296
2012	46,797	33.6	31,781	5,799	2,803	6,414
2013	48,569	34.5	33,820	5,833	2,762	6,154

1/ Annual rate per 1,000 resident population based on July 1 estimates by the U.S. Census Bureau, as revised through December 2014. Rates for 2000 and beyond may differ from previous *Data Books* due to revisions to these population figures. Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 2011. Rates may also differ from those released by the Department of the Attorney General due to these population revisions.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Uniform Crime Reports* (annual) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015 and records; U.S. Census Bureau, Population Division, "Table 1. Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 2011) <<http://www.census.gov/popest/data/intercensal/state/tables/ST-EST00INT-01.xls>> accessed September 28, 2011 and "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2014" (NST-EST2014-01) (December 2014) <<http://www.census.gov/popest/data/state/totals/2014/tables/NST-EST2014-01.xls>> accessed December 23, 2014; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 4.02-- ACTUAL INDEX OFFENSES KNOWN TO THE POLICE, BY TYPE OF OFFENSE, FOR THE STATE OF HAWAII: 2004 TO 2013**

[Actual offenses include crimes that were reported to the police and were determined by the police to have actually occurred. Unfounded cases are not included in the actual offenses count]

<b>Offense</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
All Index Offenses (excluding arson)	63,665	64,067	58,347	56,411	49,454
Murder	33	25	22	25	26
Forcible rape	361	310	364	377	363
Robbery	963	1,022	1,150	1,122	1,085
Aggravated assault	1,917	2,075	2,103	2,021	2,036
Burglary	10,719	10,073	8,755	9,089	9,404
Larceny-theft	41,045	41,704	38,234	37,494	31,424
Motor vehicle theft	8,627	8,858	7,719	6,283	5,116
Arson	529	645	696	554	509
<b>Offense</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
All Index Offenses (excluding arson)	51,066	49,270	47,340	46,797	48,569
Murder	23	25	21	21	29
Forcible rape	385	377	353	279	341
Robbery	1,030	1,065	994	1,125	951
Aggravated assault	2,112	2,136	2,098	1,953	2,117
Burglary	9,244	8,706	8,165	7,653	7,727
Larceny-theft	33,415	31,681	31,240	31,901	32,741
Motor vehicle theft	4,857	5,280	4,469	3,865	4,663
Arson	501	441	357	312	333

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Uniform Crime Reports* (annual) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015 and records.

**Table 4.03-- ACTUAL OFFENSES KNOWN TO POLICE AND OFFENSES  
CLEARED BY ARREST OR OTHERWISE, BY CLASS OF OFFENSE:  
1996 TO 2013**

[Actual offenses include crimes that were reported to the police and were determined by the police to have actually occurred. Unfounded cases are not included in the actual offenses count]

Year	Actual offenses known to police		Number cleared by arrest or otherwise 3/		Clearances per 100 offenses 3/	
	Index Offenses 1/	Part II, except traffic 2/	Index Offenses 1/	Part II, except traffic 2/	Index Offenses 1/	Part II, except traffic 2/
1996	77,961	115,435	12,292	79,523	15.8	68.9
1997	71,492	117,354	12,651	4/ 85,606	17.7	4/ 72.9
1998	63,623	109,183	12,023	72,564	18.9	66.5
1999	57,324	107,135	9,947	70,826	17.4	66.1
2000	62,987	113,060	8,998	72,075	14.4	63.7
2001	65,947	111,477	8,096	61,941	12.3	55.6
2002	75,238	118,822	7,872	62,964	10.5	53.0
2003	69,267	112,952	7,945	57,557	11.5	51.0
2004	63,665	110,839	7,314	58,254	11.5	52.6
2005	64,067	109,914	7,047	57,791	11.0	52.6
2006	58,347	110,780	(NA)	(NA)	12.0	(NA)
2007	56,411	113,928	(NA)	(NA)	13.4	(NA)
2008	49,454	112,885	(NA)	(NA)	14.5	(NA)
2009	51,066	109,687	(NA)	(NA)	15.6	(NA)
2010	49,270	104,387	(NA)	(NA)	15.4	(NA)
2011	47,340	104,975	(NA)	(NA)	16.5	(NA)
2012	46,797	105,734	(NA)	(NA)	17.5	(NA)
2013	48,569	104,895	(NA)	(NA)	16.3	(NA)

NA Not available.

1/ Index Offenses include murder, forcible rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Figures revised from *Data Books* prior to 2000 to exclude negligent manslaughter. Excludes arson.

2/ Part II data include all offenses, except traffic, that are not included in the Index Offenses. The list of these Part II offenses include other assault, disorderly conduct, driving under the influence, drug abuse violations, embezzlement, forgery and counterfeiting, fraud, gambling, liquor laws, manslaughter by negligence, offenses against the family and children, prostitution and commercialized vice, sex offenses, stolen property, vagrancy, vandalism, and weapons offenses.

3/ Annual data on clearances include prior years' offenses cleared in the current year.

4/ A special effort by the Hawaii County Police Department to close cases which were referred to the Prosecutor dating back to 1984 resulted in a greater number of Part II clearances than would normally be expected.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Uniform Crime Reports* (annual) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015 and records.

**Table 4.04-- ACTUAL OFFENSES KNOWN TO POLICE, BY CLASS  
OF OFFENSE, BY COUNTY: 2012 TO 2014**

[Actual offenses include crimes that were reported to the police and were determined by the police to have actually occurred. Unfounded cases are not included in the actual offenses count]

County	Index 1/	Part II 2/
2012, total	46,797	105,734
Honolulu	31,781	57,838
Hawaii	5,799	13,993
Kauai	2,803	6,045
Maui	6,414	27,858
2013, total	48,569	104,895
Honolulu	33,820	57,035
Hawaii	5,833	14,216
Kauai	2,762	6,420
Maui	6,154	27,224
2014, total	(NA)	(NA)
Honolulu	32,935	(NA)
Hawaii	7,182	13,639
Kauai	(NA)	(NA)
Maui	6,309	26,052

NA Not available.

1/ Index Offenses include murder, forcible rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Excludes arson in the Index Offenses total.

2/ Part II data include all other offenses, except traffic, that are not included in the Index Offenses. The list of these Part II offenses include other assault, disorderly conduct, driving under the influence, drug abuse violations, embezzlement, forgery and counterfeiting, fraud, gambling, liquor laws, manslaughter by negligence, offenses against the family and children, prostitution and commercialized vice, sex offenses, stolen property, vagrancy, vandalism, and weapons offenses. All traffic cases are excluded.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Uniform Crime Reports* (annual) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015; *Crime in Hawaii County, 2014* and *Crime in Maui County, 2014* <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed May 27, 2016; and Honolulu Police Department, *Honolulu Police Department Annual Report 2015* <<http://honoluluupd.org/downloads/HPD2015annualreport.pdf>> accessed June 15, 2016; and records.

**Table 4.05-- ACTUAL INDEX OFFENSES KNOWN TO POLICE AND INDEX OFFENSES CLEARED BY ARREST OR OTHERWISE, FOR THE STATE AND OAHU: 2013 AND 2014**

[Actual offenses include crimes that were reported to the police and were determined by the police to have actually occurred. Unfounded cases are not included in the actual offenses count]

Type of offense	Actual offenses known to police		Percent cleared by arrest or otherwise 1/	
	State total	Oahu	State total	Oahu
2013 All Index Offenses, total (excluding arson)	48,569	33,820	16.3	14.4
Murder	29	18	79.3	77.8
Forcible rape	341	221	41.6	47.5
Robbery	951	743	33.3	29.7
Aggravated assault	2,117	1,294	58.2	51.5
Burglary	7,727	4,813	6.9	5.4
Larceny-theft	32,741	23,059	16.5	15.2
Motor vehicle theft	4,663	3,672	6.2	3.2
Arson	333	2/ 211	6.9	5.7
2014 All Index Offenses, total (excluding arson)	(NA)	32,935	(NA)	(NA)
Murder	(NA)	19	(NA)	(NA)
Forcible rape	(NA)	320	(NA)	(NA)
Robbery	(NA)	768	(NA)	(NA)
Aggravated assault	(NA)	1,165	(NA)	(NA)
Burglary	(NA)	4,540	(NA)	(NA)
Larceny-theft	(NA)	22,221	(NA)	(NA)
Motor vehicle theft	(NA)	3,902	(NA)	(NA)
Arson	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Includes offenses committed in prior years.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Uniform Crime Reports* (annual) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015 and Honolulu Police Department, *Honolulu Police Department Annual Report 2015* <<http://honolulupd.org/downloads/HPD2015annualreport.pdf>> accessed June 15, 2016.

**Table 4.06--REPORTED OFFENSES, BY HONOLULU  
POLICE DISTRICT: 2013 TO 2015**

[Reported offenses include unfounded complaints, which are screened out in the counting of actual offenses. Counts of reported offenses are a common measure of workload. Offenses for which no police district was listed are not shown in this table]

<b>Offense</b>	<b>Central Hono-lulu</b>	<b>Wahia-wa</b>	<b>Pearl City</b>	<b>Kailua-Kaneohe-Kahuku</b>	<b>Kalihi</b>	<b>Waikiki</b>	<b>East Hono-lulu</b>	<b>Kapolei/Waianae</b>
2013, total	5,790	2,620	4,948	4,270	4,168	3,882	3,829	4,712
Murder	4	1	2	1	6	2	-	2
Rape	40	27	31	24	22	25	11	49
Robbery	143	45	131	41	107	107	73	101
Aggravated assault	216	120	146	156	155	140	106	266
Burglary	464	438	718	757	528	397	695	870
Larceny	4,298	1,724	3,264	2,941	2,816	2,918	2,392	2,957
Auto theft	625	265	656	350	534	293	552	467
2014, total	5,544	2,431	5,252	3,843	3,834	3,700	3,782	4,660
Murder	6	-	2	4	1	2	2	4
Rape	24	18	16	20	32	32	21	35
Robbery	140	38	155	37	123	114	66	103
Aggravated assault	204	103	125	136	167	115	103	239
Burglary	442	357	798	655	480	380	639	813
Larceny	4,095	1,627	3,460	2,569	2,501	2,731	2,294	3,068
Auto theft	633	288	696	422	530	326	657	398
2015, total	6,638	2,401	5,151	3,826	4,283	3,361	4,043	4,097
Murder	2	2	2	1	10	1	1	5
Rape	36	40	26	34	55	42	33	68
Robbery	221	30	131	49	142	136	85	108
Aggravated assault	241	97	111	146	180	118	89	233
Burglary	570	320	577	652	596	236	713	645
Larceny	4,887	1,628	3,579	2,563	2,746	2,572	2,413	2,655
Auto theft	681	284	725	381	554	256	709	383

Source: City and County of Honolulu, Honolulu Police Department, *Statistics* (annual report) <<http://www.honolulu.org/information/index.php?page=annual>> accessed May 27, 2016 and records.

**Table 4.07-- PERSONS ARRESTED FOR INDEX AND PART II OFFENSES,  
BY AGE AND SEX, AND BY COUNTY: 2013**

Subject	State total	Honolulu	Hawaii	Maui	Kauai
INDEX OFFENSES 1/					
Total	8,078	4,708	1,199	1,650	521
Juveniles	1,388	968	188	142	90
Male	878	633	102	86	57
Female	510	335	86	56	33
Adults	6,690	3,740	1,011	1,508	431
Male	4,749	2,705	715	1,039	290
Female	1,941	1,035	296	469	141
PART II OFFENSES 2/					
Total	48,330	31,305	6,510	8,047	2,468
Juveniles	6,890	4,845	832	739	474
Male	4,094	2,926	395	466	307
Female	2,796	1,919	437	273	167
Adults	41,440	26,460	5,678	7,308	1,994
Male	32,131	20,931	4,271	5,470	1,459
Female	9,309	5,529	1,407	1,838	535

1/ Index Offenses include murder, forcible rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Total Index Offense arrests include arrests for arson.

2/ Part II data include all other offenses, except traffic, that are not included in the Index Offenses. The list of these Part II offenses include other assault, disorderly conduct, driving under the influence, drug abuse violations, embezzlement, forgery and counterfeiting, fraud, gambling, liquor laws, manslaughter by negligence, offenses against the family and children, prostitution and commercialized vice, sex offenses, stolen property, vagrancy, vandalism, and weapons offenses. All traffic cases are excluded.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Crime in Hawaii 2013* <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 4.08-- PERSONS ARRESTED FOR INDEX AND PART II OFFENSES,  
BY AGE AND SEX, AND BY COUNTY: 2014**

Subject	State total	Honolulu	Hawaii	Maui	Kauai
INDEX OFFENSES 1/					
Total	(NA)	(NA)	1,318	1,403	(NA)
Juveniles	(NA)	(NA)	165	134	(NA)
Male	(NA)	(NA)	104	104	(NA)
Female	(NA)	(NA)	61	30	(NA)
Adults	(NA)	(NA)	1,153	1,269	(NA)
Male	(NA)	(NA)	812	934	(NA)
Female	(NA)	(NA)	341	335	(NA)
PART II OFFENSES 2/					
Total	(NA)	(NA)	6,824	8,144	(NA)
Juveniles	(NA)	(NA)	846	538	(NA)
Male	(NA)	(NA)	467	359	(NA)
Female	(NA)	(NA)	379	179	(NA)
Adults	(NA)	(NA)	5,978	7,606	(NA)
Male	(NA)	(NA)	4,468	5,809	(NA)
Female	(NA)	(NA)	1,510	1,797	(NA)

NA Not available.

1/ Index Offenses include murder, forcible rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Total Index Offense arrests include arrests for arson.

2/ Part II data include all other offenses, except traffic, that are not included in the Index Offenses. The list of these Part II offenses include other assault, disorderly conduct, driving under the influence, drug abuse violations, embezzlement, forgery and counterfeiting, fraud, gambling, liquor laws, manslaughter by negligence, offenses against the family and children, prostitution and commercialized vice, sex offenses, stolen property, vagrancy, vandalism, and weapons offenses. All traffic cases are excluded.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Crime in Hawaii County, 2014* and *Crime in Maui County, 2014*  
<<http://ag.hawaii.gov/cpja/rs/cih/>> accessed May 27, 2016.

**Table 4.09-- CHILD ABUSE AND NEGLECT REPORTS: 1975 TO 2014**

[Number of reports accepted for investigation. A child is counted each time he/she was found to be a victim. There may be several reports for one child or several children in one report. Data prior to 2000 were based on report date, while data from 2000 onward were based on disposition date. The disposition date is the date the report was confirmed]

Year	Reported	Confirmed	Year	Reported	Confirmed	Year	Reported	Confirmed
1975	914	423	1989	4,054	2,386	2003	7,835	3,868
1976	1,325	634	1990	4,407	2,392	2004	6,823	3,396
1977	1,794	841	1991	4,365	2,318	2005	5,207	2,645
1978	1,845	1,110	1992	4,568	2,485	2006	3,974	1,928
1979	2,290	1,109	1993	4,753	2,411	2007	4,690	2,082
1980	2,106	1,059	1994	5,186	2,334	2008	4,628	1,850
1981	2,360	1,137	1995	4,984	2,317	2009	5,939	2,174
1982	2,685	1,379	1996	4,775	2,268	2010	4,199	1,575
1983	3,635	1,621	1997	5,235	2,531	2011	3,751	1,424
1984	4,388	2,180	1998	4,762	2,242	2012	3,948	1,392
1985	4,359	2,391	1999	5,962	2,935	2013	3,752	1,329
1986	4,900	2,629	2000	6,184	3,533	2014	3,681	1,406
1987	4,741	2,555	2001	7,210	3,930			
1988	3,893	2,315	2002	7,318	3,744			

Source: Hawaii State Department of Human Services, Management Services Office, *A Statistical Report on Child Abuse and Neglect in Hawaii* (annual) <<http://humanservices.hawaii.gov/reports/child-abuse-and-neglect-reports/>> accessed October 23, 2015.

**Table 4.10-- CHARACTERISTICS OF CHILD ABUSE AND NEGLECT  
VICTIMS: 2011 TO 2014**

[Confirmed, unduplicated count of children. A child is only counted once, regardless of how many times he/she was reported]

Subject	2011	2012	2013	2014
Total	1,397	1,368	1,315	1,382
Type 1/ <sup>1/</sup>				
Physical abuse	185	177	149	147
Neglect	231	207	214	209
Medical neglect	17	22	23	17
Sexual abuse	84	83	62	67
Psychological abuse	13	4	15	9
Threatened harm	1,137	1,084	1,057	1,145
County				
Hawaii	321	301	280	335
Honolulu	772	740	753	718
Kauai	89	98	80	105
Maui	215	229	202	224
Victim characteristics				
Age (percent)				
Less than one year to 4 years	44.2	42.8	44.1	44.1
5 to 11 years	30.7	33.7	34.1	33.4
12 to 17 years	24.8	23.4	21.2	22.4
Unknown	0.3	0.1	0.5	0.1
Females (percent)	50.0	50.7	50.9	52.6
Race (percent) 2/ <sup>2/</sup>				
Hawaiian or Part Hawaiian	40.9	43.4	42.8	42.6
Mixed	16.9	15.6	16.8	16.6
White	10.7	12.6	13.5	14.0
Filipino	6.2	9.1	6.6	6.4
Samoan	2.3	2.3	3.4	2.8
Black	2.9	2.1	3.5	2.8
Hispanic/Spanish	1.9	2.9	2.7	2.2
Other	6.7	7.5	6.2	7.4
Unknown/unable to determine	11.5	4.5	4.5	5.1

1/ Each type of abuse and neglect is counted only once, regardless of how many times they have been reported. Each child may have one or more types of abuse in the report year, however, so the sum of the types exceeds the total unduplicated count of children whose reports were confirmed.

Source: Hawaii State Department of Human Services, Management Services Office, A Statistical Report on Child Abuse and Neglect in Hawaii (annual) <<http://humanservices.hawaii.gov/reports/child-abuse-and-neglect-reports/>> accessed October 23, 2015.

**Table 4.11-- VALUE OF PROPERTY REPORTED STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED, BY CATEGORY: 1990 TO 2013**

Year	Motor vehicle thefts			Other stolen property		
	Value stolen (\$1,000)	Value recovered 1/		Value stolen (\$1,000)	Value recovered 1/	
		Amount (\$1,000)	Percent		Amount (\$1,000)	Percent
1990	10,152.1	7,752.2	76.4	41,026.4	1,824.3	4.4
1991	8,231.7	6,584.4	80.0	57,399.0	2,650.3	4.6
1992	7,806.9	6,439.5	82.5	50,186.9	3,177.5	6.3
1993	10,604.6	7,703.6	72.6	52,523.6	2,957.9	5.6
1994	12,130.1	9,283.5	76.5	56,242.1	3,355.1	6.0
1995	14,916.3	11,821.0	79.2	59,467.6	2,978.2	5.0
1996	17,884.9	13,933.6	77.9	59,619.9	3,538.0	5.9
1997	15,908.6	11,341.6	71.3	50,515.4	2,262.1	4.5
1998	12,406.3	8,702.4	70.1	47,282.6	2,492.7	5.3
1999	10,295.3	7,425.8	72.1	41,141.6	2,030.3	4.9
2000	10,668.4	7,972.4	74.7	48,654.7	1,654.6	3.4
2001	12,801.3	8,558.9	66.9	48,731.3	2,288.1	4.7
2002	15,538.4	11,478.1	73.9	53,506.8	2,192.4	4.1
2003	11,794.6	8,305.3	70.4	47,898.9	2,122.1	4.4
2004	12,405.4	8,132.5	65.6	52,757.4	3,169.6	6.0
2005	51,801.2	29,645.8	57.2	54,224.7	3,131.3	5.8
2006	48,313.1	27,863.5	57.7	57,223.9	5,017.0	8.8
2007	37,647.4	24,008.8	63.8	57,591.8	3,233.2	5.6
2008	33,960.8	21,658.5	63.8	51,704.5	2,746.0	5.3
2009	28,780.3	19,600.5	68.1	58,907.6	3,378.9	5.7
2010	28,857.8	17,963.2	62.2	52,556.6	3,576.0	6.8
2011	24,320.3	16,689.7	68.6	54,139.2	3,926.6	7.3
2012	19,497.7	12,270.6	62.9	51,297.2	3,442.7	6.7
2013	23,618.0	14,471.9	61.3	50,959.2	3,735.1	7.3

1/ Annual data include prior years' stolen property recovered in current year.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Uniform Crime Reports* (annual) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 4.12-- VALUE OF PROPERTY STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED, BY COUNTY: 2013 AND 2014**

[In thousands of dollars unless otherwise specified]

Subject	State total	Honolulu	Hawaii	Maui	Kauai
2013					
Value of property stolen	74,577.2	53,512.8	6,415.8	11,103.7	3,544.9
Motor vehicles	23,618.0	18,665.6	1,627.9	2,577.6	746.9
Other property	50,959.2	34,847.3	4,787.8	8,526.1	2,798.0
Value of stolen property recovered 1/	18,207.0	14,160.5	534.1	2,811.2	701.1
Motor vehicles	14,471.9	11,728.1	409.4	1,803.4	531.0
Other property	3,735.1	2,432.5	124.7	1,007.8	170.2
Percent of value recovered	24.4	26.5	8.3	25.3	19.8
Motor vehicles	61.3	62.8	25.1	70.0	71.1
Other property	7.3	7.0	2.6	11.8	6.1
2014					
Value of property stolen	(NA)	54,676.5	9,098.1	12,262.5	(NA)
Motor vehicles	(NA)	(NA)	3,168.2	3,944.2	(NA)
Other property	(NA)	(NA)	5,930.0	8,318.3	(NA)
Value of stolen property recovered 1/	(NA)	(NA)	1,920.9	3,573.0	(NA)
Motor vehicles	(NA)	(NA)	1,729.4	2,903.2	(NA)
Other property	(NA)	(NA)	191.5	669.8	(NA)
Percent of value recovered	(NA)	(NA)	21.1	29.1	(NA)
Motor vehicles	(NA)	(NA)	54.6	73.6	(NA)
Other property	(NA)	(NA)	3.2	8.1	(NA)

NA Not available.

1/ Annual data include prior years' stolen property recovered in current year.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Uniform Crime Reports* (annual) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015; *Crime in Hawaii County, 2014* and *Crime in Maui County, 2014* <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed May 27, 2016; and *Honolulu Police Department Annual Report 2015* <<http://honoluluupd.org/downloads/HPD2015annualreport.pdf>> accessed June 15, 2016; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 4.13-- CRIME RATES FOR THE UNITED STATES AND HAWAII:  
2012 AND 2013**

[Offenses known to the police per 100,000 estimated population. Type of offenses include murder, forcible rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Excludes arson]

Type of offense	U.S. rate		Hawaii rate 1/	
	2012	2013	2012	2013
Violent crime	2/ 387.8	369.1	242.6	244.9
Property crime	2/ 2,868.0	2,733.6	3,118.5	3,214.3

1/ Hawaii rates were obtained from the Hawaii State Department of the Attorney General's annual *Uniform Crime Report*. These rates are based on the most current and accurate data available, whereas the comparable FBI data (see source) may have been estimated for certain jurisdictions, depending on whether or not federal reporting deadlines were met.

2/ Revised from previous *Data Book*.

Source: U.S. Department of Justice, Federal Bureau of Investigation, Criminal Justice Information Services Division, *Crime in the U.S., 2012* <<https://www.fbi.gov/about-us/cjis/ucr/crime-in-the-u.s/2014/crime-in-the-u.s.-2014>> accessed November 2, 2015; Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Crime in Hawaii: Uniform Crime Report* (annual) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed October 28, 2015.

**Table 4.14-- AUTHORIZED POLICE PERSONNEL, BY COUNTY: 2015**

[As of December 31]

<b>Status</b>	<b>State total</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui</b>
Total	4,617	3,172	694	232	519
Sworn, active	3,116	2,140	450	142	384
Sworn, reserve	123	100	23	-	-
Training pool	417	360	37	20	-
Not sworn (civilian)	961	572	184	70	135
Police radio dispatcher	261	1/ 158	38	20	45

1/ Excludes operators who handle 911 calls only.

Source: County police departments, records.

**Table 4.15-- COURTS, JUDGES, MAGISTRATES, AND ATTORNEYS:  
2013 TO 2015**

[As of June 30 unless otherwise specified]

Subject	2013	2014	2015
Federal judges and magistrates 1/			
U.S. Bankruptcy Court	1	1	1
U.S. District Court	7	7	7
State justices and judges 2/			
Supreme Court	5	5	5
Intermediate Court of Appeals	6	6	6
Circuit Courts 3/	33	33	33
Assigned to Family Court	4	4	4
District Courts 4/	38	38	38
Assigned to Family Court	15	15	15
Land Court	(5/)	(5/)	(5/)
Tax Appeal Court	(5/)	(5/)	(5/)
Attorneys licensed in Hawaii (includes judges) 6/	7,497	7,660	7,641
Active	4,737	4,813	4,834
Inactive	2,760	2,847	2,807

1/ Authorized full-time positions.

2/ Authorized and funded full-time positions.

3/ Includes judges assigned to the Family Court, a division of the Circuit Courts. In addition, Circuit Court judges may be assigned to hear matters before the Land Court and Tax Appeal Court, both of which are specialized courts separate from the Circuit Courts. There are four Circuit Courts, convened in seven locations.

4/ Includes judges assigned to the Family Courts, a division of the Circuit Courts. There are four District Courts, one in each of the four judicial circuits, convened in fourteen locations.

5/ Caseload assigned to Circuit Court judges.

6/ Data for 2013 as of March 12, 2013; for 2014 as of April 2014; and for 2015 as of April 2015.

Source: Office of the Clerk, U.S. District Court, records; Office of the Administrative Director of the Courts, State Judiciary, records; Hawaii State Bar Association, *HSBA Bar Statistics and Summaries* (annual) <[http://hsba.org/HSBA/ABOUT\\_US/Statistics/HSBA/About\\_Us/Statistics.aspx?hkey=564e3031-a52f-44a4-aff-13cfc116cb6f](http://hsba.org/HSBA/ABOUT_US/Statistics/HSBA/About_Us/Statistics.aspx?hkey=564e3031-a52f-44a4-aff-13cfc116cb6f)> accessed October 19, 2015.

**Table 4.16-- UNITED STATES DISTRICT COURT CASES:  
2011 TO 2015**

[Fiscal year ending September 30]

Subject	2011	2012	2013	2014	2015
Civil cases					
Commenced (filings)	821	764	707	710	576
Terminated 1/	750	806	797	748	614
Pending 1/	724	684	596	2/ 559	521
Criminal cases					
Commenced (filings)	813	3/ 301	3/ 261	3/ 211	3/ 160
Terminated	862	3/ 326	3/ 288	3/ 289	3/ 239
Pending 4/	479	3/ 460	3/ 453	3/ 390	3/ 327
Bankruptcy					
Commenced (filings)	3,566	2,672	2,313	1,805	1,593
Business	166	97	96	68	80
Nonbusiness	3,400	2,575	2,217	1,737	1,513
Terminated	3,290	2,868	2,307	1,920	1,783
Pending	2,927	2,731	2,738	2/ 2,624	2,434

1/ Includes cases filed in previous years as consolidated cases that thereafter were severed into individual cases.

2/ Revised from previous *Data Book*.

3/ This table includes all cases filed as felonies or Class A misdemeanors, but includes only those cases filed as petty offenses that were assigned to district judges rather than magistrate judges.

4/ Excludes cases in which the only defendants pending in such cases had been fugitives more than 12 months before the end of the period indicated.

Source: Administrative Office of the United States Courts, *Judicial Business of the United States Courts Annual Report of the Director* (annual) <<http://www.uscourts.gov/Statistics/JudicialBusiness.aspx>> accessed May 20, 2016.

**Table 4.17-- UNITED STATES BANKRUPTCY COURT CASES FILED UNDER CHAPTER 7, 11 AND 13 OF THE BANKRUPTCY CODE: 2002 TO 2015**

[Based upon original chapter designation at the time the case is originally filed. Table includes cases filed in 2015 which were on the caseload as of December 31, 2015]

Year	Chapter 7 1/			Chapter 11 2/			Chapter 13 3/		
	Total	Busi-ness	Per-sonal	Total	Busi-ness	Per-sonal	Total	Busi-ness	Per-sonal
2002	4,032	36	3,996	20	18	2	432	-	432
2003	3,293	39	3,254	29	25	4	459	2	457
2004	2,714	29	2,685	18	12	6	366	4	362
2005	4,125	62	4,063	17	15	2	340	3	337
2006 4/	793	16	777	9	6	3	151	1	150
2007	1,127	40	1,087	15	13	2	242	2	240
2008	1,618	53	1,565	23	21	2	436	8	428
2009	2,498	87	2,411	15	14	1	601	10	591
2010	3,040	124	2,916	20	16	4	836	14	822
2011	2,571	129	2,442	24	19	5	739	15	724
2012	1,918	54	1,864	12	9	3	602	11	591
2013	1,521	72	1,449	22	14	8	525	14	511
2014	1,204	45	1,159	11	8	3	488	7	481
2015	1,070	45	1,025	14	13	1	453	6	447

1/ Chapter 7 cases involve the bankruptcy trustee's gathering and sale of the debtor's nonexempt assets, from which holders of claims will receive distributions in accordance with the provisions of the Bankruptcy Code (excerpt taken from Bankruptcy Division Public Information Series, Administrative Office of the United States Courts).

2/ Chapter 11 is the business reorganization chapter. This type of bankruptcy is used primarily by businesses which wish to reorganize and continue in operations after bankruptcy. The business is allowed to continue operations during the pendency of the case and a trustee is appointed only upon motion of a creditor or party in interest. The debtor is required to file a plan of reorganization. Creditors may vote on the plan and the court is required to approve it (excerpt taken from Bankruptcy Division Public Information Series, Administrative Office of the United States Courts).

3/ Chapter 13 is designed for individuals with regular income who desire to pay their debts but are currently unable to do so. The primary benefit of Chapter 13 relief is the ability to repay creditors, in full or in part, in installments over a three to five year period, during which time creditors are prohibited from starting or continuing collection efforts (excerpt taken from Bankruptcy Division Public Information Series, Administrative Office of the United States Courts).

4/ On April 20, 2005, President Bush signed into law the Bankruptcy Abuse Prevention and Consumer Protection Act of 2005 ("BAPCPA"). BAPCPA made substantial changes to the Bankruptcy Code. Most BAPCPA changes apply only to cases file on or after October 17, 2005 (excerpt taken from Bankruptcy Division Public Information Series, Administrative Office of the United States Courts).

Source: United States Bankruptcy Court of the District of Hawaii, records; Administrative Office of the United States Courts, *Bankruptcy Basics*

<<http://www.uscourts.gov/bankruptcycourts/bankruptcybasics.html>> accessed January 12, 2007.

**Table 4.18-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:  
2013 TO 2015**

[Fiscal year ending June 30]

Court and type of action	2013	2014	2015
Supreme Court	690	629	523
Primary cases	245	189	169
Appeals	79	86	82
Original proceedings	166	103	87
Supplemental proceedings	445	440	354
Intermediate Court of Appeals	3,728	3,406	3,067
Primary cases	566	532	506
Appeals	566	532	506
Supplemental proceedings	3,162	2,874	2,561
Circuit Courts Proper	17,449	13,495	17,589
Civil actions	6,002	5,036	4,317
Probate proceedings	1,417	1,488	1,422
Conservatorship/guardianship proceedings	223	243	229
Miscellaneous proceedings	5,272	1,974	6,898
Criminal actions	4,313	4,509	4,425
Part I offenses	2,120	2,236	2,073
Part II offenses	2,193	2,273	2,352
Trust proceedings	222	245	298
Family Courts	29,844	29,708	27,893
Marital actions and proceedings	5,467	5,251	5,130
Civil union actions and proceedings	4	15	16
Uniform interstate family support	458	473	360
Adoption proceedings	387	366	355
Parental proceedings	1,975	2,021	1,785
Domestic Abuse Protective Orders (Ch. 586)	5,318	5,295	5,415
Miscellaneous proceedings	2,839	2,568	2,428
Criminal actions	2,995	3,194	3,133
Children's referrals	10,401	10,525	9,271

Continued on next page.

**Table 4.18-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:  
2013 TO 2015 -- Con.**

Court and type of action	2013	2014	2015
District Court	421,177	422,552	476,203
Civil	23,973	23,514	24,736
Regular civil	19,086	18,904	20,138
Small claims	4,887	4,610	4,598
Traffic	372,282	370,878	420,676
Criminal	26,306	34,971	38,309
Non criminal	209,255	194,600	234,364
Parking violations	129,534	134,184	141,332
Other violations 1/	5	28	19
Administrative reviews	7,168	7,095	6,652
Other violations	1,456	1,422	1,500
Criminal actions	23,466	26,738	29,291
Part I offenses	3,971	4,135	3,705
Part II offenses	19,495	22,603	25,586

1/ In 2014, the "Ordinance violations" category was eliminated and this type of case became a part of the "Other violations" category. The 2013 data in this table reflects that change.

Source: The Judiciary, State of Hawaii, *Annual Report Statistical Supplement* (annual)  
<[http://www.courts.state.hi.us/news\\_and\\_reports/reports/reports](http://www.courts.state.hi.us/news_and_reports/reports/reports)> accessed March 30, 2016.

**Table 4.19-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:  
2013 TO 2015**

[Fiscal year ending June 30]

<b>Court and type of action</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Supreme Court	665	624	481
Primary cases	209	194	130
Appeals	40	91	48
Original proceedings	169	103	82
Supplemental proceedings	456	430	351
Intermediate Court of Appeals	3,751	3,437	3,112
Primary cases	608	559	540
Appeals	608	559	540
Supplemental proceedings	3,143	2,878	2,572
Circuit Courts Proper	12,724	11,172	15,279
Civil actions	4,257	5,324	4,381
Probate proceedings	330	360	341
Conservatorship/guardianship proceedings	104	98	108
Miscellaneous proceedings	4,725	1,454	6,194
Criminal actions	3,296	3,869	4,129
Part I offenses	1,586	1,907	1,947
Part II offenses	1,710	1,962	2,182
Trust proceedings	12	67	126
Family Courts	28,790	26,579	25,772
Marital actions and proceedings	5,587	4,347	4,997
Civil actions and proceedings	-	11	8
Uniform interstate family support	411	282	254
Adoption proceedings	389	216	163
Parental proceedings	1,445	1,442	1,339
Domestic Abuse Protective Orders (Ch. 586)	4,988	4,274	5,158
Miscellaneous proceedings	2,474	1,943	1,785
Criminal actions	2,472	2,927	2,844
Children's referrals	11,024	11,137	9,224

Continued on next page.

**Table 4.19-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:  
2013 TO 2015 -- Con.**

Court and type of action	2013	2014	2015
District Court	406,150	398,888	418,558
Civil	18,872	19,011	21,291
Regular civil	14,841	14,752	17,202
Small claims	4,031	4,259	4,089
Traffic	357,405	355,906	372,293
Criminal	27,727	33,071	32,736
Non criminal	203,612	189,228	207,320
Parking violations	119,007	126,526	125,607
Other violations 1/	2	29	20
Administrative reviews	7,047	7,052	6,610
Other violations	1,369	1,264	1,289
Criminal actions	28,504	22,707	23,685
Part I offenses	4,228	3,994	3,436
Part II offenses	24,276	18,713	20,249

1/ In 2014, the "Ordinance violations" category was eliminated and this type of case became a part of the "Other violations" category. The 2013 data in this table reflects that change.

Source: The Judiciary, State of Hawaii, Annual Report Statistical Supplement (annual)  
<[http://www.courts.state.hi.us/news\\_and\\_reports/reports/reports](http://www.courts.state.hi.us/news_and_reports/reports/reports)> accessed March 30, 2016.

**Table 4.20-- INMATES PRESENT IN STATE CORRECTIONAL FACILITIES:  
ANNUAL AVERAGE, 1998 TO 2015**

[Mean head count for fiscal year ending June 30]

Year	Total	Adult facilities 1/				Juvenile facilities 5/	
		Sentenced felons 2/	Sentenced jail 3/	Not sentenced	Technical violators 4/	Boys	Girls
1998	4,157	1,662	432	1,348	644	61	10
1999	3,811	1,456	438	1,163	667	60	27
2000	3,669	1,426	337	1,062	752	75	17
2001	3,855	1,687	318	974	801	58	17
2002	3,988	1,797	363	949	794	70	15
2003	3,943	1,809	430	867	751	69	17
2004	4,130	1,915	506	890	740	65	14
2005	3,990	1,846	459	932	694	6/ 52	6/ 7
2006	3,921	1,781	312	1,036	733	6/ 47	6/ 12
2007	3,708	1,705	262	1,062	615	6/ 52	6/ 12
2008	3,553	1,661	337	912	571	6/ 59	6/ 13
2009	3,487	1,644	426	818	525	6/ 64	6/ 10
2010	3,374	1,496	435	867	503	6/ 58	6/ 15
2011	3,539	1,550	325	1,005	608	6/ 37	6/ 14
2012	3,765	1,599	408	995	703	6/ 45	6/ 15
2013	3,804	1,739	479	928	610	6/ 37	6/ 11
2014	3,916	1,729	479	1,060	620	6/ 19	6/ 9
2015	4,068	1,720	498	1,118	705	6/ 20	6/ 7

1/ Included eight facilities up until November 19, 2010: Oahu, Hawaii, Kauai, and Maui Community Correctional Centers; Kulani Correctional Facility, Halawa Correctional Facility, Women's Community Correctional Center, and Waiawa Correctional Facility. On November 20, 2009, Kulani Correctional Facility was closed so there were only seven facilities by the end of Fiscal Year 2009-2010. In August 2014, Kulani Correctional Facility started to accept inmates after re-opening early in the year. There are now eight facilities on Oahu, Hawaii, Kauai, and Maui.

2/ For 1997 and 1998, excludes sentenced felons incarcerated in three contracted out-of-state facilities; for 1999 through 2006, excludes sentenced felons incarcerated in four contracted out-of-state facilities; for 2007, excludes sentenced felons incarcerated in five contracted out-of-state facilities; for 2008 and 2009, excludes sentenced felons incarcerated in three contracted out-of-state facilities; and for 2010 to the present, excludes sentenced felons incarcerated in two contracted out-of-state facilities. Also excludes jail inmates held in the Federal Detention Center from 2002 to the present.

3/ Includes felon probationers serving jail terms under one year.

4/ Consists of parole and probation violators, previously included in the "Not Sentenced" category.

5/ Hawaii Youth Correctional Facility.

6/ From 2005, figures include only youths physically housed in the Hawaii Youth Correctional Facility.

Source: Hawaii State Department of Public Safety, records; Hawaii State Department of Human Services, Office of Youth Services/Hawaii Youth Correctional Facility, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 4.21-- MEDIAN AGES AND AVERAGE SENTENCES OF SENTENCED FELON POPULATION: 1997 TO 2015**

[Fiscal year ending June 30 unless otherwise specified. These data cover only sentenced felons under the jurisdiction of the State's correctional facilities, in hospitals, in mainland facilities, and on community release status. Parolees are not included. Average sentence calculations include life with parole sentences]

Year	Median age (years) 1/		Average sentence (months)		
	At admission	Current	Felons admitted		Felons released 2/
			Minimum	Maximum	
1997	33.3	34.3	51.2	3/ 106.0	38.9
1998	33.5	34.9	45.2	3/ 105.2	36.7
1999	33.7	31.9	47.6	3/ 105.5	34.4
2000	(NA)	(NA)	(NA)	(NA)	(NA)
2001	34.9	37.3	(NA)	(NA)	36.5
2002	33.8	32.8	(NA)	(NA)	34.7
2003	34.2	37.0	(NA)	(NA)	34.7
2004	34.9	37.1	(NA)	(NA)	31.2
2005	35.0	37.7	(NA)	(NA)	34.5
2006	34.5	37.8	(NA)	(NA)	38.9
2007	35.7	38.3	(NA)	(NA)	42.1
2008	35.5	38.9	(NA)	(NA)	42.3
2009	35.7	39.2	(NA)	(NA)	43.0
2010	35.5	39.5	(NA)	(NA)	47.9
2011	36.4	40.5	(NA)	(NA)	51.4
2012	36.1	39.6	(NA)	(NA)	47.9
2013	34.6	40.6	(NA)	(NA)	49.0
2014	35.0	39.4	(NA)	(NA)	45.4
2015	35.8	39.2	(NA)	(NA)	48.3

NA Not available.

1/ For sentenced felon population on June 30.

2/ Includes releases to parole, time served, deaths, and all other release types. Category title was shown as "Felons released: time served" in previous *Data Books*, but data included all release types.

3/ Average based on statutory maximum sentences for each offense grade.

Source: Hawaii State Department of Public Safety, Correctional Information System (CIS) and records; Hawaii Paroling Authority, annual reports.

**Table 4.22-- INMATE POPULATION AT CONTRACTED FACILITIES  
IN OTHER STATES: 1997 TO 2015**

[Fiscal year ending June 30]

<b>Year</b>	<b>Population at contracted facilities</b>	<b>Assigned total inmate population 1/</b>	<b>Percent of total inmate population</b>
1997	300	4,604	6.5
1998	600	5,216	11.5
1999	1,178	5,043	23.4
2000	1,079	5,127	21.0
2001	1,194	5,412	22.1
2002	1,232	5,569	22.1
2003	1,295	5,657	22.9
2004	1,579	5,958	26.5
2005	1,730	6,092	28.4
2006	1,844	6,251	29.5
2007	2,009	6,045	33.2
2008	2,014	6,014	33.5
2009	2,077	6,005	34.6
2010	1,940	5,987	32.4
2011	1,667	6,090	27.4
2012	1,677	6,073	27.6
2013	1,415	5,853	24.2
2014	1,286	5,819	22.1
2015	1,341	6,024	22.3

1/ Number of inmates on a specific date who are under the jurisdiction of the Hawaii Department of Public Safety. This includes inmates physically present at one of the correctional facilities operated by the Department of Public Safety, housed in an out-of-state or contracted facility, on furlough, in a medical facility, on escape status or serving intermittent sentences.

Source: Hawaii State Department of Public Safety, *Annual Report 2003* and Inmate Population "Department of Public Safety End of Month Population Report"  
<[http://www.hawaii.gov/psd/psd\\_home.php](http://www.hawaii.gov/psd/psd_home.php)> accessed June 6, 2005 and records.

**Table 4.23-- HAWAII PAROLING AUTHORITY STATISTICAL SUMMARY:  
2012 TO 2015**

[Fiscal year ending June 30]

Item	2012	2013	2014	2015
Number of parolees, June 30 1/ 2/	1,632	1,589	1,647	1,545
In Hawaii 2/	1,590	1,535	1,579	1,484
Outside Hawaii 3/	268	269	257	268
In institution	59	46	41	49
Whereabouts unknown	42	54	68	61
Minimum imprisonment terms fixed	2,585	2,243	1,992	2,197
Number of persons for whom minimum terms fixed	744	692	676	748
Number of parole consideration hearings	2,246	2,392	2,561	2,564
Paroles granted	684	791	815	662
Paroles denied	1,346	1,407	1,520	1,712
Paroles deferred/continued	214	194	224	186
Escape	2	-	2	4
Persons considered for parole	1,612	1,844	1,917	1,917
Parole violation hearings	261	296	383	421
Parole revoked, returned to prison	217	232	312	333
Continued on parole/deferred	44	64	71	88
Pardon investigations conducted	54	4/ 231	86	100
Persons recommended for pardon	35	4/ 122	35	25
Persons discharged from parole	486	447	443	306
Full parole term before discharge	287	270	272	213
Early discharge	188	161	155	79
Deceased	11	16	16	14

1/ Includes courtesy supervision to 34 interstate cases as of June 30, 2015.

2/ Beginning in 2009, the "In Hawaii" figure includes the "Outside Hawaii" and the "In institution" parolees. Therefore, the "Number of parolees, June 30" total is the sum of only the "In Hawaii" and the "Whereabouts unknown" figures which differs from previous years.

3/ Includes 123 Hawaii cases being supervised on the U.S. mainland (interstate compact cases) as of June 30, 2015. Also includes 145 Hawaii cases that were deported, are in protective custody or have dual supervision as of June 30, 2015.

4/ There was a big effort to complete reports in fiscal year 2013 which was reflected in the figures.

Source: Hawaii State Department of Public Safety, Hawaii Paroling Authority, annual reports and "2015 Annual Statistical Report - Fiscal Year 2015 - July 1, 2014 to June 30, 2015 - Hawaii Paroling Authority" <<http://dps.hawaii.gov/wp-content/uploads/2016/02/HPA-Annual-Report-for-FY-2015.pdf>> accessed May 25, 2016.

## Section 5

# GEOGRAPHY AND ENVIRONMENT

This section relates to land and water areas, physical geography, climate, air and water quality, and other geographic and environmental measurements of Hawaii. Most statistics on land use and ownership, however, appear in Section 6.

Important sources of data include the U.S. Geological Survey, the National Ocean Survey, the National Climatic Data Center, the Division of Water Resource Management of the Hawaii State Department of Land and Natural Resources, the Hawaii State Department of Health, and the University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Atmospheric Science. Detailed information is given in *Atlas of Hawaii*, 3rd edition, published by the University of Hawaii Press in 1998. National data are reported in the *Statistical Abstract of the United States: 2012*, Section 6.

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**Table 5.01-- GREAT CIRCLE DISTANCE BETWEEN SPECIFIED PLACES**

<b>Places</b>	<b>Statute miles</b>	<b>Nautical miles</b>	<b>Kilometers</b>
<b>DISTANCES FROM HONOLULU INTERNATIONAL AIRPORT</b>			
<b>Hawaiian Islands locations</b>			
Hilo, Hawaii	214	186	344
Kailua, Kona, Hawaii	168	146	270
Kahului, Maui	98	85	158
Lanai Airport	72	63	116
Molokai Airport	54	47	87
Lihue, Kauai	103	90	166
Puuwai, Niihau	152	132	245
Nihoa	283	246	455
Necker Island	520	452	837
French Frigate Shoals	556	483	895
Gardner Pinnacles	688	598	1,107
Maro Reef	851	739	1,369
Laysan Island	936	813	1,506
Lisianski Island	1,065	925	1,714
Pearl and Hermes Atoll	1,208	1,050	1,944
Midway Islands	1,309	1,137	2,106
Kure Atoll	1,367	1,188	2,200
<b>Other Pacific locations</b>			
Apra Harbor, Guam	3,806	3,307	6,124
Auckland, New Zealand	4,393	3,817	7,068
Baker Island	1,900	1,649	3,058
Hong Kong	5,541	4,815	8,915
Howland Island	1,900	1,649	3,058
Jarvis Island	1,560	1,354	2,511
Johnston Atoll	820	713	1,319
Kingman Reef	1,073	932	1,726
Kiritimati (Christmas Island), Kiribati	1,344	1,168	2,163
Majuro, Marshall Islands	2,271	1,973	3,654
Manila, Philippines	5,293	4,599	8,516
Nuku Hiva, Marquesas Islands	2,400	2,086	3,864
Pago Pago, American Samoa	2,606	2,265	4,193
Palmyra Atoll	1,101	957	1,772
Papeete, Tahiti	2,741	2,382	4,410
Suva, Fiji	3,159	2,745	5,083
Sydney (Port Jackson), Australia	5,070	4,406	8,158
Tokyo, Japan	3,847	3,343	6,190
Wake Island	2,294	1,993	3,691

Continued on next page.

**Table 5.01-- GREAT CIRCLE DISTANCE BETWEEN SPECIFIED PLACES -- Con.**

Places	Statute miles	Nautical miles	Kilometers
DISTANCES FROM HONOLULU INT. AIRPORT--Con.			
North and South American locations			
Anchorage, Alaska	2,781	2,417	4,475
Cape Horn, Chile	7,457	6,480	11,998
Chicago, Illinois	4,179	3,631	6,724
Cristobal, Canal Zone	5,214	4,531	8,389
Los Angeles, California	2,557	2,222	4,114
Miami, Florida	4,856	4,220	7,813
New York, New York	4,959	4,309	7,979
Portland, Oregon	2,595	2,255	4,175
San Diego, California	2,610	2,268	4,199
San Francisco, California	2,397	2,083	3,857
Seattle, Washington	2,679	2,328	4,311
Vancouver, B.C.	2,709	2,354	4,359
Tijuana, Mexico	2,616	2,273	4,209
Washington, D.C.	4,829	4,196	7,770
London, England	7,226	6,279	11,627
Bombay, India	8,010	6,960	12,888
Ghanzi, Botswana 1/	12,417	10,790	19,979
Equator, due south of Honolulu	1,470	1,277	2,367
North Pole	4,740	4,119	7,631
OTHER DISTANCES			
Hilo to --			
Los Angeles, California	2,447	2,126	3,937
San Francisco, California	2,315	2,012	3,725
Kure Atoll to --			
Cape Kumukahi, Puna, Hawaii 2/	1,523	1,323	2,451
Log Point, Elliot Key, Florida 3/	5,852	5,085	9,416
Tokyo, Japan	2,486	2,160	4,000
West Quoddy Head, Maine	5,788	5,030	9,313

1/ Ghanzi, Botswana is Honolulu's antipode, that is, the point precisely opposite to it on the globe.

2/ Cape Kumukahi and Kure Atoll are the points farthest apart in the Hawaiian Archipelago and State of Hawaii.

3/ Log Point and Kure Atoll are the points farthest apart in the 50 states.

Source: U.S. Geological Survey, *Elevations and Distances in the United States* (1980), pp. 22-23, and records; and E. H. Bryan, Jr., *American Polynesia and the Hawaiian Chain* (1942), pp. 38, 42, and 134.

**Table 5.02-- LATITUDE AND LONGITUDE OF SELECTED PLACES**

Island and place	Latitude (North)	Longitude (West)
Hawaii		
Hilo (International Airport)	19°43'	155°04'
Cape Kumukahi	19°31'	154°49'
Ka Lae	18°56'	155°41'
Keahole Point	19°44'	156°04'
Upolu Point	20°16'	155°51'
Geographic center of State (off Maui)	20°15'	156°20'
Maui		
Wailuku	20°53'	156°30'
Kahului (Airport)	20°54'	156°26'
Hana	20°45'	155°59'
Cape Hanamanioa	20°35'	156°25'
Lahaina	20°52'	156°41'
Kahoolawe		
Puu Moaulanui	20°34'	156°34'
Lanai		
Airport	20°48'	156°57'
Molokai		
Kaunakakai	21°05'	157°02'
Laaupoint	21°06'	157°19'
Cape Halawa	21°10'	156°43'
Oahu		
Honolulu: International Airport	21°20'	157°55'
Aloha Tower	21°19'	157°52'
Kaena Point	21°35'	158°17'
Kahuku Point	21°43'	157°59'
Makapuu Point	21°19'	157°39'
Diamond Head	21°16'	157°49'
Kauai		
Lihue (Kauai Airport)	21°59'	159°21'
Mana	22°02'	159°46'
Kilauea Point	22°14'	159°24'
Niihau		
Puuwai	21°54'	160°12'
Kure Atoll	28°25'	178°22'

Source: U.S. Board on Geographic Names, *Gazetteer No. 24, Hawaiian Islands* (1956); U.S. Geological Survey, *Elevations and Distances in the United States* (1980), pp. 17 and 22-23; U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary with Comparative Data, 1984* for Hilo, Kahului, Honolulu, and Lihue; Bernice P. Bishop Museum, records; and Hawaii State Department of Accounting and General Services, Survey Division and records.

**Table 5.03-- TIME DIFFERENCE BETWEEN HONOLULU AND  
SELECTED CITIES**

[Standard time]

City	Country	Day	Hour	Time difference
Honolulu	United States	Same	9:00 a.m.	-
Anchorage	United States	Same	10:00 a.m.	+1
Vancouver	Canada	Same	11:00 a.m.	+2
Los Angeles	United States	Same	11:00 a.m.	+2
Las Vegas	United States	Same	11:00 a.m.	+2
Denver	United States	Same	12:00 p.m.	+3
Houston	United States	Same	1:00 p.m.	+4
Winnipeg	Canada	Same	1:00 p.m.	+4
Chicago	United States	Same	1:00 p.m.	+4
Atlanta	United States	Same	2:00 p.m.	+5
Miami	United States	Same	2:00 p.m.	+5
Toronto	Canada	Same	2:00 p.m.	+5
Lima	Peru	Same	2:00 p.m.	+5
New York City	United States	Same	2:00 p.m.	+5
Santiago	Chile	Same	3:00 p.m.	+6
Buenos Aires	Argentina	Same	4:00 p.m.	+7
Sao Paulo	Brazil	Same	4:00 p.m.	+7
London	United Kingdom	Same	7:00 p.m.	+10
Madrid	Spain	Same	8:00 p.m.	+11
Paris	France	Same	8:00 p.m.	+11
Frankfurt	Germany	Same	8:00 p.m.	+11
Rome	Italy	Same	8:00 p.m.	+11
Johannesburg	South Africa	Same	9:00 p.m.	+12
Jerusalem	Israel	Same	9:00 p.m.	+12
Moscow	Russia	Same	10:00 p.m.	+13
Baghdad	Iraq	Same	10:00 p.m.	+13
Kabul	Afghanistan	Same	11:30 p.m.	+14.5
Calcutta	India	Next	12:30 a.m.	+15.5
Bangkok	Thailand	Next	2:00 a.m.	+17
Singapore	Singapore	Next	3:00 a.m.	+18
Hong Kong	China	Next	3:00 a.m.	+18
Beijing	China	Next	3:00 a.m.	+18
Manila	Philippines	Next	3:00 a.m.	+18
Taipei	Taiwan	Next	3:00 a.m.	+18
Seoul	Korea	Next	4:00 a.m.	+19
Tokyo	Japan	Next	4:00 a.m.	+19
Sydney	Australia	Next	5:00 a.m.	+20
Auckland	New Zealand	Next	7:00 a.m.	+22

Source: 2009 HYP Media Finance LLC., *The Official Hawaiian Telcom White Pages O'ahu 2009*, pp. 20-23, and "Time Zone Converter" at <<http://www.timezoneconverter.com/cgi-bin/tzc.tzc>> accessed November 26, 2008.

**Table 5.04-- WIDTH AND DEPTH OF CHANNELS**

Channel 1/	Width 2/		Depth 3/	
	Statute miles	Kilometers	Feet	Meters
Alenuihaha (Hawaii-Maui)	29.6	47.6	6,810	2,076
Alalakeiki (Kahoolawe-Maui)	6.7	10.8	822	251
Kealaikahiki (Kahoolawe-Lanai)	17.8	28.6	1,086	331
Auau (Lanai-Maui)	9.5	15.3	252	77
Kalohi (Lanai-Molokai)	9.2	14.8	540	165
Pailolo (Maui-Molokai)	8.8	14.2	846	258
Kaiwi (Molokai-Oahu)	25.8	41.5	2,202	671
Kauai (Oahu-Kauai)	72.1	116.0	10,890	3,319
Kaulakahi (Kauai-Niihau)	17.2	27.7	3,570	1,088
Niihau-Kaula	21.5	34.6	5,364	1,635
Niihau-Nihoa	133.9	215.5	14,550	4,435
Nihoa-Necker I.	179.6	289.0	12,600	3,840
Necker I.-French Frigate Shoals	100.3	161.4	12,780	3,895
French Frigate Shoals-Gardner Pinnacles	137.0	220.5	11,448	3,489
Gardner Pinnacles-Marø Reef	155.5	250.3	12,300	3,749
Marø Reef-Laysan I.	65.9	106.1	8,280	2,524
Laysan I.-Lisianski I.	137.4	221.1	16,830	5,130
Lisianski I.-Pearl and Hermes Atoll	162.6	261.7	17,400	5,304
Pearl and Hermes Atoll-Midway Islands	86.9	139.9	15,840	4,828
Midway Islands-Kure Atoll	57.1	91.9	12,960	3,950

1/ Listed in geographic order, from east to west. The channels between major islands were measured between the following points:

- Alenuihaha: Upolu Pt., Hawaii, to Puhilele Pt., Maui;
- Alalakeiki: Lae o ka Ule, Kahoolawe, to Nukuele Pt., Maui;
- Kealaikahiki: Makaalae, Kahoolawe, to Kamaiki Pt., Lanai;
- Auau: Kikoa Pt., Lanai, to Lahaina, Maui;
- Kalohi: Wahie Pt., Lanai, to Kamalo, Molokai;
- Pailolo: Lipoa Pt., Maui, to Pohakuloa, Molokai;
- Kaiwi: Ilio Pt., Molokai, to Makapuu Pt., Oahu;
- Kauai: Kaena Pt., Oahu, to Kamilo Pt., Kauai; and
- Kaulakahi: Mana Pt., Kauai, to Kaunuopou, Niihau.

2/ Width measured in statute miles between designated points on National Ocean Survey and Coast and Geodetic Survey charts. Width in kilometers calculated from miles (1 mile = 1.60934 km.).

3/ Depths given are the deepest soundings noted at or near the line joining the two designated points, on National Ocean Survey and Coast and Geodetic Survey charts. Depths measured in fathoms and converted to feet and meters (1 fathom = 6 feet = 1.8288 meters).

Source: Compiled by Lee S. Motteler, Geography and Map Division, Bernice P. Bishop Museum, in November 1980.

**Table 5.05-- GENERAL COASTLINE AND TIDAL SHORELINE OF COUNTIES AND ISLANDS**

County and island	General coastline 1/		Tidal shoreline 3/	
	Statute miles	Kilometers 2/	Statute miles	Kilometers 2/
State total	750	1,207	1,052	1,693
Counties				
Hawaii	266	428	313	504
Maui, including Kalawao	210	338	343	552
Honolulu	137	220	234	377
Kauai	137	220	162	261
Islands 4/				
Hawaii	266	428	313	504
Maui	120	193	149	240
Kahoolawe	29	47	36	58
Lanai	47	76	52	84
Molokai	88	142	106	171
Oahu	112	180	209	336
Kauai	90	145	110	177
Niihau	45	72	50	80
Kaula	2	3	2	3
Northwestern Hawaiian Islands 5/	25	40	25	40
Niihau	3	5	3	5
Necker Island	2	3	2	3
French Frigate Shoals	6	10	6	10
Laysan Island	6	10	6	10
Lisianski Island	3	5	3	5
Kure Atoll	5	8	5	8

1/ Figures are lengths of general outline of seacoast. Data for the four islands of Maui County are not consistent with the reported county total.

2/ Derived from data expressed in statute miles; independently rounded and accordingly may not add exactly to indicated totals and subtotals. 1 mi. = 1.609 km.

3/ Shoreline of outer coast, offshore islands, bays, rivers, and creeks is included to the head of tidewater or to a point where tidal waters narrow to a width of 100 feet.

4/ Data are not available for five minor islands: Molokini, Lehua, Gardner Pinnacles, Maro Reef, and Pearl and Hermes Atoll.

5/ Excludes the Midway Islands, which are part of the Hawaiian Archipelago but not legally part of the State of Hawaii. Midway has a general coastline of 20 miles and a tidal shoreline of 33 miles.

Source: U.S. Department of Commerce, National Ocean Survey, *The Coastline of the United States* (1975) and records.

**Table 5.06-- HAWAIIAN COASTAL WATERS, BY ISLAND: 2006 TO 2014**

[Coastal waters means all waters surrounding the islands of the State from the coast of any island to a point three miles seaward from the coast, and in the case of streams, rivers, and drainage ditches, to a point three miles seaward from their point of discharge into the sea and includes those brackish waters, freshwaters and saltwaters that are subject to the ebb and flow of the tide. (HAR §11-54-1 & HRS §342D-1). Hawaii State Department of Health, Clean Water Branch assessed coastal waters for the following conventional pollutants: enterococci, total nitrogen, nitrates+nitrite, ammonia, total phosphorus, turbidity, and chlorophylla]

Island	Number of coastal waters 1/	Number of impaired 2/	Percentage of total impaired coastal waters	Island percentage of total impaired coastal waters
2006				
State total	522	210	40.2	100.0
Kauai	81	28	34.6	13.3
Oahu	176	68	38.6	32.4
Molokai	37	3	8.1	1.4
Lanai	17	6	35.3	2.9
Maui	122	72	59.0	34.3
Hawaii	89	33	37.1	15.7
2008-2010				
State total	522	207	39.7	100.0
Kauai	81	26	32.1	12.6
Oahu	176	65	36.9	31.4
Molokai	37	3	8.1	1.4
Lanai	17	8	47.1	3.9
Maui	122	72	59.0	34.8
Hawaii	89	33	37.1	15.9
2012				
State total	575	228	39.7	100.0
Kauai	88	26	29.5	11.4
Oahu	194	73	37.6	32.0
Molokai	36	3	8.3	1.3
Lanai	17	7	41.2	3.1
Maui	130	76	58.5	33.3
Hawaii	110	43	39.1	18.9

Continued on next page.

**Table 5.06-- HAWAIIAN COASTAL WATERS, BY ISLAND:  
2006 TO 2014 -- Con.**

<b>Island</b>	<b>Number of coastal waters 1/</b>	<b>Number of impaired 2/</b>	<b>Percentage of total impaired coastal waters</b>	<b>Island percentage of total impaired coastal waters</b>
2014				
State total	577	266	46.1	100.0
Kauai	88	39	44.3	14.7
Oahu	196	78	39.8	29.3
Molokai	36	3	8.3	1.1
Lanai	17	7	41.2	2.6
Maui	130	77	59.2	28.9
Hawaii	110	62	56.4	23.3

1/ Number of coastal waters is based on the total number of scopes of assessments in the integrated reports.

2/ Impaired coastal waters for one of more conventional pollutants.

Source: Hawaii State Department of Health, Clean Water Branch, records.

**Table 5.07-- LAND AND WATER AREA WITHIN  
THE FISHERY CONSERVATION ZONE**

[Land and water area within the 200 nautical mile Fishery Conservation Zone surrounding the  
Hawaiian Archipelago]

<b>Unit</b>	<b>Total area</b>	<b>Land area</b>	<b>Water area</b>
Square nautical miles	634,023	4,852	629,171
Square statute miles	839,623	6,425	833,198
Square kilometers	2,174,626	16,641	2,157,985

Source: Marine Surveys and Maps, National Ocean Survey, U.S. Department of Commerce, National Oceanic and Atmospheric Administration, information supplied September 15, 1978.

**Table 5.08-- HAWAIIAN PERENNIAL STREAMS, BY ISLAND: 2006 TO 2014**

[Perennial means fresh waters flowing year-round in all or part of natural channels, portions of which may be modified by humans. Flow in perennial streams may vary seasonally. Perennial streams may be subdivided into longitudinal zones, based on elevation and gradient: (1) headwater zone (elevation above 800 m (2600 ft) or gradient above 30 percent or both); (2) mid-zone (elevation between 50-800 m (165-2600 ft), or gradient between 5 and 30 percent or both); and (3) terminal zone (elevation below 50 m (165 ft) or gradient below 5 percent or both). Perennial streams may be either continuous or interrupted. Continuous perennial streams discharge continuously to the ocean in their natural state, and contain water in the entire length of the stream channel year-round. Interrupted perennial streams usually flow perennially in their upper reaches but only seasonally in parts of their middle or lower reaches, due to either downward seepage of surface flow (naturally interrupted) or to man-made water diversions (artificially interrupted) (HAR §11-54-1). Hawaii State Department of Health Clean Water Branch assessed coastal waters for the following conventional pollutants: enterococci, total nitrogen, nitrate+nitrite, ammonia, total phosphorus, turbidity, and chlorophyll a]

Island	Total number of streams 1/	Number of impaired 2/	Percentage of total impaired streams	Island percentage of total impaired streams
2006				
State total	168	91	54.2	100.0
Kauai	29	20	69.0	22.0
Oahu	50	44	88.0	48.4
Molokai	6	1	16.7	1.1
Lanai	-	-	0.0	0.0
Maui	48	10	20.8	11.0
Hawaii	35	16	45.7	17.6
2008-2010				
State total	168	92	54.8	100.0
Kauai	29	20	69.0	21.7
Oahu	50	44	88.0	47.8
Molokai	6	1	16.7	1.1
Lanai	-	-	0.0	0.0
Maui	48	11	22.9	12.0
Hawaii	35	16	45.7	17.4

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**Table 5.08-- HAWAIIAN PERENNIAL STREAMS, BY ISLAND:  
2006 TO 2014 -- Con.**

<b>Island</b>	<b>Total number of streams 1/</b>	<b>Number of impaired 2/</b>	<b>Percentage of total impaired streams</b>	<b>Island percentage of total impaired streams</b>
2012				
State total	168	91	54.2	100.0
Kauai	29	20	69.0	22.0
Oahu	50	43	86.0	47.3
Molokai	6	1	16.7	1.1
Lanai	-	-	0.0	0.0
Maui	48	11	22.9	12.1
Hawaii	35	16	45.7	17.6
2014				
State total	169	92	54.4	100.0
Kauai	30	21	70.0	22.8
Oahu	50	43	86.0	46.7
Molokai	6	1	16.7	1.1
Lanai	-	-	0.0	0.0
Maui	48	11	22.9	12.0
Hawaii	35	16	45.7	17.4

1/ Number of streams is based on individual stream not wet/dry season.

2/ Impaired streams for one of more conventional pollutants.

Source: Hawaii State Department of Health, Clean Water Branch, records.

**Table 5.09-- LAND AREA, BY COUNTY: 2010**

[See maps]

<b>Measurement unit and type of area</b>	<b>State total</b>	<b>Hawaii</b>	<b>Maui</b>	<b>Kalawao</b>	<b>Honolulu</b>	<b>Kauai</b>
Square miles	6,422.6	4,028.4	1,161.5	12.0	600.7	620.0
Square kilometers	16,634.5	10,433.6	3,008.3	31.1	1,555.9	1,605.7

Source: U.S. Census Bureau, 2010 Census Redistricting Data (Public Law 94-171) Summary File (February 2011); and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 5.10-- LAND AREA, BY ISLAND: 2010**

<b>Island</b>	<b>Square miles</b>	<b>Square kilometers</b>
State total	6,422.63	16,634.53
Hawaii	4,028.42	10,433.55
Maui	771.99	1,999.45
Molokini	0.036	0.093
Kahoolawe	44.6	115.5
Lanai	141.07	365.36
Molokai	260.46	674.58
Oahu	597.64	1,547.88
Kauai	552.35	1,430.59
Niihau	67.60	175.09
Lehua	0.444	1.149
Kaula	0.247	0.640
Northwestern Hawaiian Islands 1/	3.100	8.030
Niihau	0.271	0.701
Necker Island	0.071	0.183
French Frigate Shoals	0.096	0.249
Gardner Pinnacles	0.009	0.024
Maro Reef	Awash	Awash
Laysan Island	1.588	4.114
Lisianski Island	0.601	1.556
Pearl and Hermes Atoll	0.139	0.359
Kure Atoll	0.333	0.862

1/ Exclusive of the Midway Islands, which are part of the Hawaiian Archipelago but not legally part of the State of Hawaii.

Source: U.S. Census Bureau, 2010 Census Redistricting Data (P.L. 94-171) Summary File (February 2011), and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Office of Planning and the Hawaii State Data Center, and unpublished records.

**Table 5.11-- MAJOR AND MINOR ISLANDS IN THE  
HAWAIIAN ARCHIPELAGO**

Classification	Number of islands		Land area (square miles)
	Total	Inhabited, 1990 1/	
All named islands	137	12	6,427.0
Major islands	8	7	6,419.4
Named minor islands 2/	129	5	7.6
Offshore of major islands	96	3	2.6
Northwestern Hawaiian Islands 3/	33	2	4.9
Part of State	28	1	2.9
Not part of State (Midway Islands)	5	1	2.0

1/ For populations, see present volume, table 1.05.

2/ For individual data, see DPED Report GN-6, pp. 3-7.

3/ Includes individual islets in the 10 Northwestern Hawaiian Islands.

Source: Hawaii State Department of Planning and Economic Development, *Geographic Names Approved, Second Quarter 1969* (Report GN-6, July 8, 1969), p. 8; *Data Book 1986*, table 152.

**Table 5.12-- AREA AND DEPTH OF SELECTED CRATERS**

<b>Island and crater</b>	<b>Area (acres)</b>	<b>Maximum depth (feet)</b>
Hawaii		
Kilauea Caldera	2,319	476
Mokuaweoweo Crater 1/	2,221	572
Maui		
Haleakala Crater 2/	12,575	3,028
Oahu		
Diamond Head Crater	255	562
Koko Crater	133	968
Punchbowl Crater	62	140

1/ Data exclude North and South Pits.

2/ Data exclude Koolau and Kaupo Gaps.

Source: Measured from U.S. Geological Survey maps by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 5.13-- ELEVATION OF MAJOR SUMMITS**

[Elevation of the highest point on each island and other important peaks]

Island and summit	Feet	Meters
Hawaii		
Mauna Kea 1/	13,796	4,205
Mauna Loa	13,679	4,169
Hualalai	8,271	2,521
Kaumu o Kaleihoohe	5,480	1,670
Kilauea (Uwekahuna)	4,093	1,248
Kilauea (Halemaumau Rim)	3,660	1,116
Kahoolawe		
Puu Moaulanui	1,483	452
Puu Moaulaiki	1,434	437
Molokini	160	49
Maui		
Haleakala (Red Hill)	10,023	3,055
Haleakala (Kaupo Gap)	8,201	2,500
Puu Kukui	5,788	1,764
Iao Needle	2,250	686
Lanai		
Lanaihale	3,366	1,026
Molokai		
Kamakou	4,961	1,512
Olokui	4,606	1,404
Kalaupapa Lookout	1,600	488
Mauna Loa (Kukui)	1,430	436
Oahu		
Kaala	4,003	1,220
Puu Kalena	3,504	1,068
Konahuanui	3,150	960
Tantalus	2,013	614
Olomana	1,643	501
Koko Crater (Kohelepelepe)	1,208	368
Nuuanu Pali Lookout	1,186	361
Diamond Head	760	232
Koko Head	642	196
Punchbowl	500	152

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**Table 5.13-- ELEVATION OF MAJOR SUMMITS -- Con.**

Island and summit	Feet	Meters
Kauai		
Kawaikini	5,243	1,598
Waialeale	5,148	1,569
Kalalau Lookout	4,120	1,256
Haupu	2,297	700
Sleeping Giant (Nonou)	1,241	378
Niihau		
Paniau	1,250	381
Lehua	699	213
Kaula	548	167
Nihoa		
Millers Peak	903	275
Necker Island		
Summit Hill	276	84
French Frigate Shoals		
La Perouse Pinnacles	120	37
Gardner Pinnacles	190	58
Maro Reef	Awash	Awash
Laysan Island	40	12
Lisianski Island	40	12
Pearl and Hermes Atoll	10	3
Midway Islands	12	4
Kure Atoll	20	6

1/ According to the *1995 Guinness Book of Records* (p. 147), "The world's tallest mountain measured from its submarine base (3,280 fathoms) in the Hawaiian Trough to its peak is Mauna Kea... with a combined height of 33,480 ft., of which 13,796 ft. are above sea level."

Source: Hawaii State Department of Accounting and General Services, Survey Division, data provided April 21, 1992; U.S. National Cartographic Information Center, data provided October 11, 1978; U.S. Geological Survey topographic maps, 1981-1984; Hawaiian Government Survey (for Nihoa and Molokini); and U.S.S. Tanager survey, 1923 (for Necker Island, French Frigate Shoals, Laysan, Lisianski, Pearl and Hermes Atoll and Kure Atoll).

**Table 5.14-- MAJOR NAMED WATERFALLS, BY ISLAND**

Island	Waterfall	Height (feet)		Horizontal distance (feet)
		Sheer drop	Cascade	
Hawaii	Kaluahine	(NA)	620	400
	Akaka	442	(NA)	(NA)
	Waiilikahi	320	(NA)	6
Maui	Honokohau	(NA)	1,120	500
	Waihiumalu	(NA)	400	150
Molokai	Kahiwa	(NA)	1,750	1,000
	Papalaua	(NA)	1,200	500
	Waialele	(NA)	500	150
Oahu	Kaliuwaa (Sacred)	1/ 80	1,520	3,000
Kauai	Waipoo (2 falls)	(NA)	800	600
	Awini	(NA)	480	500
	Hinalele	280	(NA)	(NA)
	Wailua	200	(NA)	(NA)

NA Not available.

1/ Refers to the northernmost fall of a cascade of six falls.

Source: U.S. Geological Survey, records; Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records; and "Tall Falls", *The Honolulu Advertiser*, June 25, 1995, pp. A17 and A20.

**Table 5.15-- MAJOR STREAMS, BY ISLAND**

<b>Island</b>	<b>Feature or stream</b>	<b>Length or average discharge</b>
<b>Longest water feature (miles)</b>		
Hawaii	Wailuku River	32.0
Maui	Kaliialinui-Waiale Gulch	18.0
Kahoolawe	Ahupu Gulch	4.0
Lanai	Maunalei-Waialala Gulch	12.9
Molokai	Wailau-Pulena Stream	6.5
Oahu	Kaukonahua Stream (So. Fork)	33.0
Kauai	Waimea River-Poomau Stream	19.5
Niihau	Keanaulii-Puniopo Valley	5.9
<b>Largest perennial stream (miles) 1/</b>		
Hawaii	Wailuku River	22.7
Maui	Palikea Stream	7.8
Molokai	Wailau-Pulena Stream	6.5
Oahu	Kaukonahua Stream	30.0
Kauai	Waimea River	19.7
<b>Streams with greatest average discharge (million gal./day)</b>		
Hawaii	Wailuku River	180
Maui	Waihee River	50
Molokai	Wailau Stream	30
Oahu	Waikele Stream	2/ 26
Kauai	Hanalei River	129

1/ Estimated on basis of drainage area rather than stream runoff. Other major streams include Wailoa River, Hawaii (1/2-mile long); Honokohau Stream (9.4 miles long) and Iao Stream (5), both on Maui; Halawa Stream (6.4), Waikolu Stream (4.7), and Pelekunu (2.3), all on Molokai; Waikele Stream (15.3), Kipapa Stream (12.8), Waiakakalaua Stream (11.8), Nuuanu Stream (4), and Ala Wai Canal (1.9), all on Oahu; and the Makaweli River (15.1), Wainiha River (13.8), Hanapepe River (13.3), and Wailua River (11.8), all on Kauai.

2/ Most of discharge is from nearby groundwater outflow.

Source: Longest water feature from U.S. Geological Survey, records; and other data from Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records.

**Table 5.16-- LAKES AND LAKE-LIKE WATERS, BY ISLAND**

Island and lake	Type	Elevation (feet)	Area 1/ (acres)	Maximum depth (feet)
<b>Hawaii</b>				
Green Lake	Lake	3	2	20
Lake Waiiau 2/	Lake	13,020	2	10
Waiakea Pond	Tidal pond	(3/)	27	7
<b>Maui</b>				
Kanaha Pond	Marsh	(3/)	41	3
Kealia Pond	Marsh	(3/)	500	(NA)
Waieleele	Pond	6,690	0.5	21
<b>Molokai</b>				
Kauhako	Pool	(3/)	0.9	814
Kualapuu Reservoir	Reservoir	821	100	50
Meyer Lake	Impoundment	2,021	6-10	5
<b>Oahu</b>				
Ho'omaluhia	Reservoir	202	90	90
Kaelepulu Pond	Lake	(3/)	198	(NA)
Kawainui Marsh	Marsh	(3/)	1,000	(NA)
Wahiawa Reservoir	Reservoir	842	302	85
<b>Kauai</b>				
Nomilu Fishpond	Pond	(3/)	20	66
Waita Reservoir	Reservoir	241	424	23
<b>Niihau</b>				
Halalii Lake	Playa	(3/)	841-865	(NA)
Halulu Lake	Playa	(3/)	182-371	(NA)
<b>Laysan</b>				
Laysan Lagoon	Closed lagoon	(3/)	161	16

NA Not available.

1/ Ranges shown for Meyer Lake, Halalii Lake, and Halulu Lake reflect differences in estimates between sources.

2/ Highest lake in the State and third highest in the United States.

3/ Sea level.

Source: J.A. Maciolek, *Lakes and Lake-like Waters of the Hawaiian Archipelago* (Bernice P. Bishop Museum, Occasional Papers, Vol. XXV, No. 1, April 30, 1982); and Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, May 18, 1994.

**Table 5.17-- LENGTH AND WIDTH OF SELECTED BEACHES**

[Includes the longest white sand beach on each inhabited island, plus other important beaches]

Island and beach	Length (miles)	Width 1/ (feet)
Hawaii		
Hapuna	0.5+	200+
Maui		
Spreckelsville	2+	(NA)
Kaanapali	1.5	60-80
Lanai		
Polihua	1.5+	(NA)
Molokai		
Papohaku	2+	300
Oahu		
Waikiki	2	(NA)
Waimanalo	3.5-4.5	(NA)
Sunset	2-3+	200
Kauai		
Polihale to Kekaha	15	300
Polihale	3	300
Niihau		
Keawanui	3.5	175

NA Not available.

1/ Summer averages. Many beaches in Hawaii are seasonally reduced in width by winter storms.

Source: Hawaii State Department of Planning and Economic Development, *Hawaii's Shoreline* (1965), pp. 33, 47, 55, 62, 68, and 100; John R. K. Clark, *Beaches of the Big Island* (1985), p. 132, *The Beaches of Maui County* (1980), pp. 10, 62, 84-85, and 114, *The Beaches of O'ahu* (1977), pp. 45, 125, and 177, and *Beaches of Kaua'i and Ni'ihau* (1990), pp. 48-49 and 84.

**Table 5.18-- MISCELLANEOUS GEOGRAPHIC STATISTICS, BY ISLAND**

Island	Extreme length (miles)	Extreme width (miles)	Miles of sea cliffs with heights 1,000 ft. or more 1/	Miles from coast of most remote point	Percent of area within 5 miles of coast
State total	(X)	(X)	33	28.5	48.6
Hawaii	93	76	4	28.5	30.0
Maui	48	26	-	10.6	76.1
Kahoolawe	11	6	-	2.4	100.0
Lanai	18	13	1	5.2	100.0
Molokai	38	10	14	3.9	100.0
Oahu	44	30	-	10.6	79.0
Kauai	33	25	11	10.8	65.0
Niihau	8	6	3	2.4	100.0
Island	Percent of area with elevation		Approximate mean altitude (feet)	Percent of area with slope	
	Less than 500 feet	2,000 feet or more		Less than 10 percent	20 percent or more
State total	20.8	50.9	3,030	63.5	17.0
Hawaii	12.0	68.4	3,950	76.0	4.0
Maui	24.9	41.4	2,390	38.5	36.0
Kahoolawe	38.9	0.0	600	60.0	9.0
Lanai	24.8	6.3	1,140	61.0	16.0
Molokai	37.3	17.8	1,150	53.0	26.0
Oahu	45.3	4.6	860	42.5	45.5
Kauai	35.6	24.0	1,380	33.5	50.5
Niihau	78.2	0.0	530	68.0	12.5

X Not applicable.

1/ According to Lee S. Motteler, Geography and Map Division, Bernice P. Bishop Museum, the sea cliffs along the northeastern coast of Molokai between Umilehi Point and Puukaoku Point drop 3,250 feet at an average slope of 58 degrees. These cliffs have been described by *The Guinness Book of Records* (1995 edition, p. 154) as "the highest sea cliffs in the world."

Source: Hawaii State Department of Planning and Economic Development, *Hawai'i the Natural Environment* (1974), p. 19; and U.S. Geological Survey, *Elevations and Distances in the United States* (1978), pp. 4-5.

**Table 5.19-- VOLCANIC ERUPTIONS: MAUNA LOA 1950 TO 1984,  
KILAUEA 1969 TO 2015**

[As of December 31, 2015. Four Hawaiian volcanoes have erupted in the past 500 or so years. The most recent eruptions include: Haleakalā, sometime between 1480 and 1600; Hualālai around 1801; Mauna Loa in 1984; and Kīlauea from 1983 to present]

Volcano and date of outbreak	Repose period since previous eruption (months)	Duration (days)	Location 1/	Altitude of main vent (meters)	Area covered (km <sup>2</sup> )	Volume (km <sup>3</sup> )
Mauna Loa						
1950: June 1	17.0	23	S, SWR	3,840-2,380	112.0	0.3760
1975: July 5	301.0	<1	S	3,900	13.5	0.0300
1984: March 25	104.6	22	S, NER	4,030-2,870	48.0	0.2200
Kilauea						
1969: Feb. 22	4.0	6	ER	930-870	6.0	0.0161
May 24	2.0	874	ER	940	50.0	0.1850
1971: Aug. 14	-	<1	C	1,100-1,080	3.1	0.0091
Sept. 24	-	5	C, SWR	1,120-820	3.9	0.0077
1972: Feb. 3	4.3	900	ER	940	46.0	0.1620
1973: May 5	-	<1	ER	1,000-980	0.3	0.0012
Nov. 10	-	30	ER	980-870	1.0	0.0027
1974: July 19	-	3	C, ER	1,080-980	3.1	0.0066
Sept. 19	2.0	<1	C	1,100	1.0	0.0102
Dec. 31	3.4	<1	SWR	1,080	7.5	0.0143
1975: Nov. 29	11.0	<1	C	1,080-1,060	0.3	0.0002
1977: Sept. 13	21.5	18	ER	620-480	7.8	0.0329
1979: Nov. 16	26.3	1	ER	980-960	0.3	0.0006
1982: April 30	29.5	<1	C	1,080	0.3	0.0005
Sept. 25	4.8	<1	C	1,080	0.8	0.0030
1983: Jan. 3	3.3	2/ 12,050	ER	900	2/ 142.0	2/ ~4.4
2008: March 19	-	2/ 2,843	C	1,080	(3/)	3/ 0.0006

1/ C, summit caldera; ER, east rift zone; NER northeast rift zone; S, summit area; SWR, southwest rift zone. All historic Mauna Loa eruptions began as summit eruptions, and then either remained in the summit or migrated down one of the rift zones.

2/ Revised from previous *Data Book*.

3/ Kīlauea summit vent opening is 180 m by 250 m. Volume of tephra erupted 2008-2015 is 2,600 cubic meters. Volume of lava that overflowed the summit vent in April-May 2014 is estimated at 625,000 cubic meters.

Source: Gordon A. Macdonald, Agatin T. Abbott, and Frank L. Peterson, *Volcanoes in the Sea: The Geology of Hawaii*, 2nd ed. (1986), pp. 80-81; U.S. Geological Survey, Hawaiian Volcano Observatory <<http://hvo.wr.usgs.gov/kilauea/history/historytable.html>> and records.

**Table 5.20-- MAJOR EARTHQUAKES: 1838 TO 2015**

[As of December 31, 2015. Includes all earthquakes with magnitudes of 6.0 or greater, 1838 to 1983, and 5.0 or greater, 1984 to present. Except for the earthquake of April 2, 1868, magnitudes of earthquakes prior to 1929 are conjectural]

Date and time (HST)	Location	Magnitude
1838: December 12	Hawai'i	6.0
1841: April 7	Hawai'i	6.0
1852: March 31	Hawai'i	6.0
1868: March 28	Mauna Loa, south flank, Hawai'i	6.5-7.0
April 2	Mauna Loa, south flank, Hawai'i	7.5-8.1
1871: February 19	Molokai or Maui	6.5
1875: November 23	Hawai'i	6.0
1887: January 24	Hawai'i	6.0
1913: October 25	Hawai'i	6.5
1918: November 1	Hawai'i	6.5
1919: September 14	Hawai'i	6.5
1929: October 5	Hualalai, Hawai'i	6.5
1938: January 23	North of Pauwela Point, Maui	6.8
1940: June 17	Hawai'i	6.0
1941: September 25	South east of Mauna Loa, Kaoiki fault zone, Hawai'i	6.0
1950: May 29	Mauna Loa, south west rift, Hawai'i	6.2
1951: April 22	Kilauea, Hawai'i	6.3
August 21	Kona, Hawai'i	6.9
1952: May 23	Kona, Hawai'i	6.0
1954: March 30	Kilauea, south flank, Hawai'i	6.5
1961: September 25	Hawai'i	5.75-6.0
1962: June 27	South east of Mauna Loa, Kaoiki fault zone, Hawai'i	6.1
1973: April 26	North of Hilo, Honomu, Hawai'i	6.2
1975: Nov. 29, 4:47 AM	Kilauea, south flank, Kalapana, Hawai'i	7.2
1983: Nov. 16, 6:13 AM	South east of Mauna Loa, Kaoiki fault zone, Hawai'i	6.7
1984: June 8, 5:34 PM	80 miles south of Honolulu, Oahu	5.3
1986: April 26, 7:19 AM	28 miles north east of Maui	5.1
1987: Feb. 3, 4:22 PM	26 miles south of Kahoolawe	5.0
1989: June 25, 5:27 PM	Kilauea, south flank, Kalapana, Hawai'i	6.2
1994: Feb. 1, 12:01 AM	12 miles south of Kilauea, offshore, Hawai'i	5.2
1997: June 30, 5:47 AM	5 miles west of Kalapana, Hawai'i	5.2
1999: April 16, 2:56 PM	4 miles north of Pahala, Hawai'i	5.6
2000: April 1, 8:18 PM	7 miles south east of Kilauea Summit, Hawai'i	5.0
2003: August 26, 8:24 PM	6 miles north west of Kaena Point, Oahu	5.0
2005: May 13, 12:06 AM	27 miles south of Naalehu near Loihi, Hawai'i	5.0
2005: July 15	49 miles north of Hilo, Hawai'i	5.2
2005: July 17, 9:15 AM	Near seamount Loihi, Hawai'i	5.2

Continued on next page.

**Table 5.20-- MAJOR EARTHQUAKES: 1838 TO 2015 -- Con.**

Date and time (HST)	Location	Magnitude
2006: October 15, 7:07:49 AM	Just offshore of Kiholo Bay, Hawai'i	6.7
2006: October 15, 7:14:12 AM	6 miles west of Mahukona, Hawai'i	6.0
2006: November 23, 9:20:10 AM	Just offshore of Kiholo Bay, Hawai'i	5.1
2007: August 13, 7:38 PM	Kilauea, south flank, Hawai'i	5.4
2009: April 14, 12:44 PM	8 miles southeast of Kilauea summit, Hawai'i 1/	1/ 5.2
2013: June 4, 2:12 PM	31 miles south of Kalapana, Hawai'i 1/	5.3
2015: June 27, 10:10 PM	7 miles south-southeast of Kilauea summit, Hawai'i	5.2

1/ Revised from previous *Data Book*.

Source: Augustine S. Furumoto, N. Norby Nielsen, and William R. Phillips, *A Study of Past Earthquakes, Isoseismic Zones of Intensity and Recommended Zones for Structural Design for Hawaii* (University of Hawaii, Center for Engineering Research, Engineering Bulletin, June 15, 1972); information supplied by Wm. Mansfield Adams and Augustine S. Furumoto, Institute of Geophysics, University of Hawaii; Hawaii Institute of Geophysics, records; U.S. Geological Survey, National Earthquake Information Service; U.S. Geological Survey, Hawaiian Volcano Observatory, records; and U.S. Geological Survey, Earthquake Hazards Program, <<http://earthquake.usgs.gov/eqcenter/eqinthenews/>> and records.

**Table 5.21-- EARTHQUAKES WITH INTENSITIES ON OAHU OF  
V OR GREATER: 1859 TO 2015**

[As of December 31, 2015]

<b>Date</b>	<b>Epicentral location</b>	<b>Magnitude</b>	<b>Oahu average intensity (Modified Mercalli Scale 1/)</b>
1861: Dec. 5	Molokai-Lanai vicinity (?)	(NA)	Mid V
Dec. 15	Molokai-Lanai vicinity (?)	(NA)	Lower V - mid V
1868: Apr. 2	SE coast of Hawaii	7.5	Upper IV - lower V
Apr. 4	Maui group vicinity (?)	(NA)	Lower V
1870: Aug. 7	Near Molokai	≥ 6	V
1871: Feb. 19	S coast of Lanai	7.0	Upper VI - lower VII
1881: Sep. 30	Maui vicinity	≥ 6	IV - V
1887: Jan. 13	Oahu vicinity	(NA)	V
1890: Aug. 6	Hawaii	(NA)	IV - V
1895: Dec. 8	Oahu vicinity (?)	(NA)	Mid V
1926: Mar. 19	N of Kohala, Hawaii	(NA)	Upper IV - lower V
1938: Jan. 22	N of Maui	6.8	Upper V - lower VI
1940: June 16	N of Hawaii	6.0	IV - V
1948: June 28	S coast of Oahu	4.8	Mid VI
1964: Oct. 11	Ka Lae, Hawaii	5.5	Upper IV - lower V
1973: Apr. 26	Hamakua coast, Hawaii	6.2	Mid V
1975: Nov. 29	Kalapana, Hawaii	7.2	V
1981: Mar. 5	Kalohi Channel	5.0	Mid V
2006: Oct.15	Just offshore of Kiholo Bay, Hawaii	6.7	V

NA Not available.

1/ Modified Mercalli Scale of 1931, 1956 abridged version further simplified. This scale, which extends from I to XII, reads in part:

IV. Hanging objects swing. Vibration like passing of heavy trucks or sensation of a jolt. Standing autos rock. Windows, dishes, doors rattle. Crockery clashes. In the upper part of range wooden construction creaks.

V. Felt outdoors; direction estimated. Sleepers wakened. Liquids distributed, some spilled. Small unstable objects displaced or upset. Doors, shutters, pictures swing. Pendulum clocks stop.

VI. Felt by all. Many frightened, run outdoors. Persons walk unsteadily. Windows, dishes, glassware broken. Knickknacks, books thrown off shelves, pictures off walls. Furniture moved, overturned. Weak plaster and masonry cracked. Small bells ring. Trees, bushes noticeably shaken.

VII. Difficulty in standing. Noticed by drivers of autos. Hanging objects quiver. Furniture broken. Damage to weak masonry. Weak chimneys broken at roof line. Fall of plaster, loose bricks, etc. Some cracks in ordinary masonry. Waves on ponds. Small slides on sand and gravel banks. Large bells ring. Irrigation ditches damaged.

Source: Doak C. Cox, "Earthquake Experience in Honolulu", *The Hawaiian Journal of History*, Vol. 21 (1987), pp. 98-109; U.S. Department of the Interior, U.S. Geological Survey, U.S. Geological Survey Bulletin 2006, *Isoseismal Maps, Macroseismic Epicenters, and Estimated Magnitudes of Historical Earthquakes in the Hawaiian Islands* (1992), table 4; and U.S. Geological Survey, Hawaiian Volcano Observatory, records.

**Table 5.22-- TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET)  
OR MORE: 1812 TO 2015**

Date	Place of observation	Source	Maximum height in Hawaii		Deaths in Hawaii	Damage in Hawaii
			Meters	Feet		
1812: Dec. 21 1/	Hookena, Hawaii	California	2.5	8	-	Hut flooded
1819: April 12	W. Hawaii	Chile	2.0	7	-	Houses destroyed
1837: Nov. 7	Hilo, Hawaii	Chile	6.0	20	16	100 houses destroyed
1841: May 17	Hilo, Hawaii	Kamchatka	4.6	15	-	Unknown
1860: Dec. 1	Maliko Bay, Maui	N. Pacific 2/	3.6	12	-	Houses, wharf destroyed
1868: April 2	Keauhou Landing, Hawaii	Ka'u	13.7	45	47	Severe in Puna and Ka'u
1868: Aug. 13	Hilo, Hawaii	Chile	4.6	15	-	Houses, bridges destroyed
1869: Aug. 24	S.E. Puna	S. Pacific 2/	8.2	27	-	Houses destroyed, roads washed out
1877: May 10	Hilo, Hawaii	Chile	4.8	16	5	Severe in Hilo
1878: Jan. 10	Maliko Bay, Maui	N. Molokai 2/	3.6	12	-	Scattered flooding, N. Maui, N. Oahu
1896: June 15	Keauhou, Hawaii	Japan	5.5	18	-	Houses, wharfs, stores destroyed
1903: Nov. 29	Pelekunu, Molokai	N. Molokai	4.5	15	-	Houses destroyed on Maui, railroad washed out on Oahu
1906: Aug. 17	Maalaea, Maui	Chile	3.6	12	-	Piers damaged
1919: Oct. 2	Hoopuloa, Hawaii	S. Kona	4.3	14	-	Wharf damaged, car swept away
1922: Nov. 11	Hilo, Hawaii	Chile	2.1	7	-	Fishing boats swept away
1923: Feb. 3	Hilo, Hawaii	Kamchatka	6.1	20	1	\$1,500,000
1933: March 2	Keauhou, Hawaii	Japan	3.2	10	-	Boathouses, walls destroyed in Kona
1946: April 1	Waikolu valley, Molokai	Aleutian Islands	16.4	54	159	\$26,000,000
1952: Nov. 4	Kaena, Oahu	Kamchatka	9.1	30	-	\$1,000,000
1957: March 9	Haena, Kauai	Aleutian Islands	16.1	53	-	\$5,000,000
1960: May 22	Hilo, Hawaii	Chile	10.5	34	61	\$23,000,000
1964: March 27	Waimea Bay, Oahu	Alaska	4.9	16	-	\$68,000

Continued on next page.

**Table 5.22-- TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET)  
OR MORE: 1812 TO 2015--Con.**

Date	Place of observation	Source	Maximum height in Hawaii		Deaths in Hawaii	Damage in Hawaii
			Meters	Feet		
1975: Nov. 29	Keauhou Landing, Hawaii	S. Puna	14.3	47	2	\$1,500,000
2011: March 11	Kealakekua Bay, Hawaii	Japan	5.4	18	-	(NA)

NA Not available.

1/ Earliest tsunami for which definite information exists.

2/ Probable source.

Source: George Pararas-Carayannis, *Catalog of Tsunamis in the Hawaiian Islands* (U.S. Coast and 'Geodetic Survey, May 1969); Harold G. Loomis, *The Tsunami of November 29, 1975 in Hawaii* (Hawaii Institute of Geophysics, December 1975), pp. 1 and 10; D.C. Cox and J. Morgan, *Local Tsunamis and Possible Local Tsunamis in Hawaii* (Hawaii Institute of Geophysics, Report HIG 77-14, November 1977); Doak C. Cox, *Tsunami Casualties and Mortality in Hawaii* (University of Hawaii, Environment Center, June 1987), p. 39; James F. Lander and Patricia A. Lockridge, *United States Tsunamis (Including United States Possessions) 1690-1988*, Publication 41-2, National Geophysical Data Center, August 1989, pp.17-77; U.S. Geological Survey, Hawaiian Volcano Observatory, records; Pacific Tsunami Warning Center, records; and National Oceanic and Atmospheric Administration, National Geophysical Data Center, Tsunami Runup database <<http://www.ngdc.noaa.gov/nndc/struts/form?t=101650&s=167&d=166>> accessed June 20, 2016.

**Table 5.23-- MAJOR DAMS**

[Includes all dams whose maximum storage equals or exceeds 600 acre-ft.]

<b>Dam name</b>	<b>Nearest city</b>	<b>Purpose</b>	<b>Year completed</b>	<b>Height (ft.)</b>	<b>Length (ft.)</b>	<b>Drainage area (sq. miles)</b>	<b>Maximum storage (acre-ft.)</b>
Waita Reservoir	Koloa, Kauai	Irrigation	1906	23	3,250	3.36	9,900
Wahiawa Dam	Wahiawa, Oahu	Irrigation	1906	88	660	16.70	9,200
Kualapuu Reservoir	Kualapuu, Molokai	Irrigation, water supply	1969	57	7,100	0.21	5,082
Kaneohe Dam	Kaneohe, Oahu	Flood control, recreation	1980	83	2,200	2.45	4,500
Nuuanu Dam No. 4	Honolulu, Oahu	Flood control, recreation	1910	66	2,120	1.40	3,600
Alexander	Kalaheo, Kauai	Hydroelectric, irrigation	1931	112	600	2.86	2,540
Puukapu Dam	Waimea, Hawaii	Flood control	1965	12	4,340	3.05	1,450
Kaloko Reservoir	Kilauea, Kauai	Irrigation	1890	27	915	0.12	1,400
Wailua Reservoir	Wailua, Kauai	Irrigation	1920	40	1,080	0.88	1,223
Kapaia Reservoir	Kapaia, Kauai	Irrigation	1910	50	1,050	2.51	1,114
Ku Tree Reservoir	Wahiawa, Oahu	Other	1925	97	550	0.83	1,085
Papuaa Reservoir	Omao, Kauai	Irrigation	1914	43	2,000	1.75	921
Puu Lua Reservoir	Kekaha, Kauai	Fish & Wildlife pond, other	1925	105	640	0.08	888
Upper Heleman Reservoir	Waialua, Oahu	Irrigation	1912	46	530	0.45	700
Aepoeha Reservoir	Kukuila, Kauai	Irrigation	1913	42	600	0.81	670

Source: Hawaii State Department of Land & Natural Resources, Engineering Division, Flood Control & Dam Safety Section, records and Dam Inventory System, Hawaii State Department of Land & Natural Resources <<http://132.160.239.52/daminventory/>> accessed on June 20, 2016.

**Table 5.24-- FRESH WATER USE, BY TYPE, BY COUNTY: 2010**

[Million gallons per day]

Use	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Total	1,273.77	134.68	799.23	0.01	61.77	278.08
Ground water	473.57	109.48	188.00	0.01	18.31	157.77
Public supply	258.07	42.29	162.98	0.01	13.22	39.57
Domestic	1.85	-	0.83	-	0.75	0.27
Industrial	4.63	-	4.61	-	-	0.02
Irrigation	100.94	10.10	15.21	-	-	75.63
Livestock	0.63	-	0.16	-	0.18	0.29
Aquaculture	2.14	1.46	0.68	-	-	-
Mining	1.40	0.69	0.50	-	0.12	0.09
Thermoelectric	103.91	54.94	3.03	-	4.04	41.90
Surface water	800.20	25.20	611.23	-	43.46	120.31
Public supply	15.80	2.82	-	-	2.02	10.96
Domestic	6.17	6.17	-	-	-	-
Industrial	-	-	-	-	-	-
Irrigation	222.52	13.53	58.36	-	41.44	109.19
Livestock	1.20	1.20	-	-	-	-
Aquaculture	2.40	1.48	0.87	-	-	0.05
Mining	0.11	-	-	-	-	0.11
Thermoelectric	552.00	-	552.00	-	-	-

Source: U.S. Geological Survey, Water Resources, *Water Use in the United States, Estimated Use of Water in the United States County-Level Data for 2010* <<http://water.usgs.gov/watuse/data/2010/>> accessed June 18, 2015.

**Table 5.25-- WATER SERVICES AND CONSUMPTION, FOR COUNTY WATERWORKS: 2013 TO 2015**

[Services as of June 30; consumption during the year ending June 30]

Geographic area	Number of services			Consumption (million gallons)		
	2013	2014	2015	2013	2014	2015
State total	275,072	276,526	281,004	74,722	76,722	73,247
City and County of Honolulu	175,921	176,518	180,472	47,734	51,794	48,347
Honolulu District 1/	67,424	67,404	66,240	25,620	35,323	28,837
Rest of Oahu	108,497	109,114	114,232	22,114	16,471	19,510
Hawaii County	42,022	42,378	42,759	9,230	9,080	9,196
Kauai County	21,263	21,590	21,669	4,505	3,997	4,020
Maui County	35,866	36,040	36,104	13,253	11,851	11,684
Maui	34,200	34,373	34,439	12,958	11,592	11,427
Molokai	1,666	1,667	1,665	295	259	257

1/ Maunaloa to Moanalua.

Source: Data compiled by Hawaii State Department of Business, Economic Development & Tourism from City and County of Honolulu Board of Water Supply, County of Hawaii Department of Water Supply, County of Kauai Department of Water, and County of Maui Department of Water Supply.

**Table 5.26-- WATER WITHDRAWALS BY SOURCE AND MAJOR USE,  
FOR THE UNITED STATES AND HAWAII: 2010**

[Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water]

Subject	U.S. 1/	Hawaii
Water withdrawals, total, millions of gallons per day	355,000	1,270
Source, percent		
Ground water	22.4	37.2
Surface water	77.6	62.8
Selected major uses, percent		
Public supply	11.9	21.5
Domestic	1.0	0.6
Irrigation	32.5	25.4
Livestock	0.6	0.1
Aquaculture	2.7	0.4
Industrial	4.5	0.4
Mining	1.5	0.1
Thermoelectric power	45.4	51.5

1/ Includes Puerto Rico and Virgin Islands.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 2010*, Circular 1405 table 1 <<http://pubs.usgs.gov/circ/1405/pdf/circ1405.pdf>> accessed June 12, 2015 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 5.27-- TOP 25 WATER USERS ON OAHU:  
MAY 2014 TO APRIL 2015**

[Estimated monthly average]

<b>Rank</b>	<b>User</b>	<b>Gallons (1,000)</b>
1	Marine Corp Base Hawaii	59,772
2	Chevron Usa Inc	34,859
3	Honolulu International Airport Maintenance - 2980 Aolele	20,345
4	Hilton Hotels Corporation	16,220
5	Sand Island Treatment Plant	13,156
6	Disney Vacation Resort & Spa-Koolina	12,623
7	GGP Ala Moana LLC	11,701
8	Honolulu International Airport Maintenance - 530 Paiea	11,532
9	Sheraton Waikiki Hotel	11,058
10	United Laundry Service	10,468
11	University Of Hawaii - 2566 Dole	10,398
12	Dole Food Co Hawaii - Waialua Sugar Interconnection	9,843
13	Ala Moana Park	9,365
14	Bellows Air Force Station	8,896
15	Hawaiian Cement	8,856
16	Hawaii Kai Golf Course	8,616
17	Kailua Treatment Plant	8,486
18	Central Regional Park	8,049
19	Halawa Medium Security Facility	7,227
20	Tesoro Hawaii Corp	6,995
21	H-Power	6,316
22	Honolulu Zoo	6,008
23	Hale Koa Hotel Maile Tower	5,953
24	Marriott Vacation Club International	5,947
25	Ala Wai Golf Course	5,943

Source: Honolulu Board of Water Supply, records.

**Table 5.28-- WASTEWATER TREATMENT PLANT  
OPERATION AND COMPLIANCE: 1994 TO 2014**

<b>Year</b>	<b>Total plants</b>	<b>Plants inspected</b>	<b>Plants rated unsatisfactory</b>	<b>In compliance (percent)</b>
1994	(NA)	135	33	(NA)
1995	(NA)	163	35	(NA)
1996	(NA)	103	23	(NA)
1997	(NA)	176	45	(NA)
1998	(NA)	169	41	(NA)
1999	(NA)	164	35	(NA)
2000	(NA)	113	38	(NA)
2001	(NA)	144	35	(NA)
2002	(NA)	106	29	(NA)
2003	(NA)	100	20	(NA)
2004	(NA)	57	17	(NA)
2005	(NA)	41	8	(NA)
2006	180	93	14	92
2007	180	102	33	82
2008	180	34	15	92
2009	180	119	38	79
2010	180	114	13	93
2011	180	62	17	91
2012	190	58	13	93
2013	190	58	16	92
2014	190	82	30	84

NA Not available.

Source: Hawaii State Department of Health, *Indicators of Environmental Quality Report* (annual); Hawaii State Department of Health, *Environmental Health Management Report* (annual); and Hawaii State Department of Health, Wastewater Branch, records.

**Table 5.29-- WASTEWATER RECYCLED: 1994 TO 2014**

[In millions gallons per day]

<b>Year</b>	<b>Total wastewater treated</b>	<b>Wastewater reused</b>	<b>Percent Reused</b>
1994	150	10.50	7.00
1995	150	11.10	7.40
1996	150	12.30	8.19
1997	150	15.60	10.40
1998	150	17.00	11.33
1999	150	19.50	13.00
2000	150	20.20	13.47
2001	150	19.90	13.27
2002	150	24.00	16.00
2003	150	23.50	15.67
2004	150	23.50	15.67
2005	150	23.50	15.67
2006	150	24.60	16.40
2007	150	24.40	16.27
2008	150	23.91	15.94
2009	150	23.91	15.94
2010	145	22.98	15.85
2011	141	19.64	13.93
2012	141	21.14	14.99
2013 1/	133	21.12	15.88
2014	134	22.00	16.42

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Health, *Indicators of Environmental Quality Report* (annual); Hawaii State Department of Health, *Environmental Health Management Report* (annual); and Hawaii State Department of Health, Wastewater Branch, records.

**Table 5.30-- HAZARDOUS WASTE SITES, THREATS AND  
CONTAMINANTS ON OAHU**

[Sites on the National Priorities List for the Superfund Program]

Sites with threats and contaminants	Location	Final listing 1/	Deletion
Del Monte Corp. (Oahu Plantation) 2/	Kunia	12/16/94	3/ (NA)
Naval Computer & Telecommunications Area 4/	Pearl Harbor	5/31/94	(NA)
Pearl Harbor Naval Complex 5/	Pearl Harbor	10/14/92	(NA)
Schofield Barracks (US Army) 6/	Wahiawa	8/30/90	8/30/00

NA Not available.

1/ After the proposed listing, site was added on this date to the National Priorities List.

2/ Soil and shallow groundwater at the site have been contaminated with the fumigants EDB, DBCP and DCP, the solvents TCP and benzene and the pesticide lindane. Deep groundwater is contaminated with EDB, DBCP and TCP. People who touch or ingest contaminated groundwater or soil could be at risk.

3/ Partial deletion, EPA delisted the Poamoho section of the Site from NPL list on January 13, 2004.

4/ The Navy's Installation Restoration Program (IRP) is addressing the sites at NCTAMS EASTPAC. The sites are primarily land disposal areas that are no longer in use and PCB transformer sites. Soil contamination depends on the site but generally the chemicals of concern are PCBs, volatile organics, semi-volatile organics and metals.

5/ Soil, groundwater and sediment are contaminated with metals, organic compounds and petroleum hydrocarbons. There is a potential human health and ecological risk with contact or accidental ingestion with the contaminated media.

6/ Groundwater contain trichloroethylene (TCE). People who drink or come into direct contact with contaminated groundwater could be at risk.

Source: U.S. Environmental Protection Agency, *National Priorities List Sites in Hawaii*  
<<http://www.epa.gov/region9/cleanup/pacific.html>> accessed July 6, 2016.

**Table 5.31-- TOXIC CHEMICAL RELEASES IN 2014 AND HAZARDOUS WASTE GENERATED, SHIPPED, AND RECEIVED IN 2012**

Category	Unit
Number of TRI Facilities in Hawaii in 2014	34
Toxic chemical releases in 2014 1/	2,671,773
On-site releases	2,509,642
Air emissions	1,566,921
Water emissions	534,190
Land emissions	408,531
Off-site releases, transfers to disposal	162,131
Hazardous waste generators, shippers, and receivers 2012	
Number of generators	41
Number of shippers	41
Number of receivers	1
Hazardous waste generated, shipped, and received 2012 2/	
Generated	466,384
Shipped	1,388
Received	102

1/ In pounds.

2/ In tons. Covers hazardous wastes regulated under the Resource Conservation and Recovery Act (RCRA) of 1976 as amended.

Source: United States Environmental Protection Agency, Toxic Release Inventory Program, *TRI Explorer Fact Sheet, Summary of TRI Information for Hawaii*

<[http://iaspub.epa.gov/triexplorer/tri\\_factsheet\\_search.searchfactsheet](http://iaspub.epa.gov/triexplorer/tri_factsheet_search.searchfactsheet)> accessed June 20, 2016;

United States Environmental Protection Agency, *The National Biennial RCRA Hazardous*

*Waste Report: 2013 Edition* <<https://rcrainfo.epa.gov/rcrainfoweb/action/modules/br/national/view>> accessed June 20, 2016.

**Table 5.32-- SOLID WASTE RECYCLED IN HAWAII: 2001 TO 2012**

[Fiscal year ending June 30. In tons]

<b>Year</b>	<b>Generated</b>	<b>Disposed</b>	<b>Diverted</b>	<b>Percent diverted</b>
2001	1,794,496	1,441,000	353,496	19.7
2002	1,971,336	1,478,668	492,668	25.0
2003	2,115,313	1,489,974	625,339	29.6
2004	2,140,648	1,517,915	622,733	29.1
2005	2,116,724	1,427,904	688,820	32.5
2006	2,227,124	1,425,752	801,373	36.0
2007	2,526,134	1,733,889	792,245	31.4
2008	2,617,350	1,778,009	839,341	32.1
2009	2,532,370	1,629,397	902,973	35.7
2010	1,636,298	988,444	647,854	39.6
2011	1,786,343	1,159,027	627,316	35.1
2012	1/ 1,593,887	1,147,194	1/ 608,857	1/ 38.2

1/ For 2012, figure is incomplete as Maui County data currently unavailable.

Source: Hawaii State Department of Health, *Environmental Health Management Plan* (annual); and Hawaii State Department of Health, Solid & Hazardous Waste Branch, records.

**Table 5.33-- DEPOSIT BEVERAGE CONTAINER REDEMPTION (DBC)  
RATE: 2006 TO 2013**

[Fiscal year ending June 30. In millions of beverage containers]

<b>Year</b>	<b>Beverage container sold</b>	<b>Beverage container redeemed</b>	<b>Redemption rate (percent)</b>
2006	930	628	67.5
2007	936	632	67.5
2008	947	681	71.9
2009	895	705	78.8
2010	901	686	76.1
2011	907	686	75.6
2012	907	697	76.8
2013	912	684	75.0

Source: Hawaii State Department of Health, *Environmental Health Management Report* (annual); and Hawaii State Department of Health, Solid & Hazardous Waste Branch, records.

**Table 5.34-- WATER QUALITY AT PUBLIC BEACHES, BY ISLAND:  
2013 AND 2014**

Island	Number of locations	Number of samples	Enterococci density 1/			
			Lowest 2/	Highest 3/	Number over 4/	Mean 5/
2013						
State total	129	3,056	10.0	510.4	5	13.5
Hawaii	34	995	10.0	25.0	-	12.6
Hilo Shoreline	9	263	11.0	19.6	-	15.1
Kona Shoreline	25	732	10.0	25.0	-	11.8
Maui	62	1,062	10.0	510.4	2	12.2
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	13	185	10.0	25.5	-	11.9
Kauai	20	814	10.3	118.6	3	16.9
2014						
State total	148	3,183	10.0	58.8	3	13.4
Hawaii	34	700	10.0	54.4	1	14.3
Hilo Shoreline	10	253	10.0	25.6	-	16.4
Kona Shoreline	24	447	10.0	54.4	1	13.2
Maui	62	790	10.0	17.4	-	12.4
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	27	917	10.0	16.9	-	12.0
Kauai	25	776	10.0	58.8	2	15.8

X Not applicable.

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density was 35 per 100 ml. in 2013 and 35 per 100 ml. in 2014.

2/ The lowest reported average value for 2013 was shared by 11 beaches, one of which was Sans Souci Beach, on the island of Oahu. The lowest reported average value for 2014 was shared by 11 beaches, one of which was Keoniloa Bay, on the island of Kauai (stations with  $\geq 5$  sampling events).

3/ The highest average value in 2013 was reported for End of Weke Road, on the island of Kauai. The highest average value in 2014 was reported for End of Weke Road on the island of Kauai.

4/ Refers to number of samples over the geometric mean standard for Enterococci density which was 35 per 100 ml. in 2013 and 35 per 100 ml. in 2014 (stations with  $\geq 5$  sampling events).

5/ Not weighted by number of samples.

Source: Hawaii State Department of Health, Clean Water Branch, records.

**Table 5.35-- WATER QUALITY AT SELECTED PUBLIC BEACHES:  
2013 AND 2014**

Island and beach	Number of samples		Enterococci density 1/	
	2013	2014	2013	2014
Hawaii	995	700	12.6	14.3
Hilo Shoreline	263	253	15.1	16.4
Hilo Bay (Canoe Beach)	28	28	12.3	17.4
Honolii Cove (Ocean)	28	28	15.5	25.6
Kona Shoreline	732	447	12.6	13.2
Anaehoomalu Bay	85	53	10.8	11.5
Kahaluu Beach Park	85	54	12.3	17.8
Spencer Beach Park	18	8	19.6	22.8
Maui	1,062	790	12.3	12.4
Hukilau Hotel shoreline	83	66	12.1	15.5
Kamaole Beach #1	91	69	11.8	10.7
Kihei (south)	90	70	12.6	11.4
Spreckelsville Beach	80	67	11.4	11.0
Wailea Beach	81	65	10.4	10.2
Oahu	185	917	11.9	12.0
Ala Moana Park (center)	20	53	10.7	12.5
Hanauma Bay	9	44	11.7	10.2
Kailua Beach Park	9	44	12.7	11.5
Kuhio Beach	19	52	15.9	16.7
Makaha Beach	(X)	28	(X)	10.0
Sunset Beach	(X)	29	(X)	15.3
Waimea Beach	(X)	44	(X)	11.9
Kauai	814	776	16.9	17.7
Hanapepe Salt Pond	76	75	11.4	11.6
Kalapaki Beach (middle)	75	75	16.5	17.5
Kekaha (Oomano Point)	(X)	(X)	(X)	(X)
Lydgate Park (wading pool)	74	75	12.0	14.1
Poipu Beach Pavilion	76	75	11.0	10.7

X Not applicable.

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density was 35 per 100 ml. in 2013 and 35 per 100 ml. in 2014.

Source: Hawaii State Department of Health, Clean Water Branch, records.

**Table 5.36-- TOTAL DAYS PER YEAR OF SHORELINE POSTINGS: 2006 TO 2013**

[For fiscal year ending June 30, unless otherwise specified. These numbers represent sign postings for sewage-related events along coastal shorelines, but do not reflect postings of warning signs on streams, lakes and other inland waters, such as the Ala Wai Canal. Other agencies may also post other shoreline warning signs. These numbers exclude 'brown water advisories' which are general media releases anticipating or responding to heavy storm water runoff and are not accompanied by actual sign postings]

Year	Days 1/	Year	Days 1/	Year	Days 1/
2006 2/	368	2009	310	2012	15
2007 2/	151	2010	403	2013	136
2008 2/	159	2011	529		

1/ Total days may include same-day postings of separate posting events, therefore the total may exceed 365 days.

2/ Data for 2008 and earlier are calendar year data.

Source: Hawaii State Department of Health, Clean Water Branch, records.

**Table 5.37-- REFUSE AND SEWAGE STATISTICS FOR OAHU:  
2003 TO 2015**

[Fiscal year ending June 30]

Year	Tons of municipal solid waste delivered 1/			Sewage treated 2/ (millions of gallons)
	Total	City and County refuse vehicles	Other vehicles	
2003	890,275	344,786	545,489	40,524
2004	933,028	350,298	582,730	44,472
2005	952,703	368,288	584,415	40,975
2006	937,726	363,233	574,493	42,275
2007	909,587	433,962	475,625	38,345
2008	883,365	447,972	435,393	39,217
2009	824,633	377,562	447,071	38,018
2010	777,069	326,201	450,868	38,549
2011	778,158	306,939	471,219	38,307
2012	746,368	285,153	461,215	36,517
2013	748,227	289,203	459,024	36,318
2014	764,726	302,732	461,994	38,448
2015	769,183	307,069	462,114	38,447

Year	Sewage pumped 2/ (millions of gallons)	Miles of sewers 2/	City and County pump stations	City and County treatment plants
2003	50,497	3/ 2,205	65	8
2004	50,969	2,212	65	8
2005	44,476	2,268	66	8
2006	44,168	2,268	66	8
2007	43,388	3/ 2,105	67	9
2008	49,538	2,105	67	9
2009	50,093	2,105	69	9
2010	47,051	2,105	72	9
2011	48,679	2,226	72	9
2012	45,778	2,226	72	9
2013	47,922	2,016	72	9
2014	(NA)	2,019	72	9
2015	(NA)	2,023	72	9

NA Not available.

1/ Excludes small landfill controlled by armed forces.

2/ Data limited to system maintained by the City and County of Honolulu, Department of Environmental Services.

3/ GIS editing for more accurate dimensions resulted in a reduction of lateral length.

Source: City and County of Honolulu, Department of Environmental Services, records.

**Table 5.38-- AIR QUALITY IN DOWNTOWN HONOLULU: 1988 TO 2015**

[Annual arithmetic means, in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), for particulate matter 10 microns or less in diameter ( $\text{PM}_{10}$ ) and in parts per million (ppm) for carbon monoxide (CO). Sampling is conducted about 46 feet above ground on the roof of the State Health Department building (Kinau Hale), 1250 Punchbowl Street, Honolulu, Hawaii]

Year	$\text{PM}_{10}$ ( $\mu\text{g}/\text{m}^3$ ) 1/	CO (ppm) 2/	Year	$\text{PM}_{10}$ ( $\mu\text{g}/\text{m}^3$ ) 1/	CO (ppm) 2/
1988	-	1.7	2002	15	0.6
1989	-	1.8	2003	15	0.6
1990	-	1.5	2004	13	0.6
1991	-	1.7	2005 3/	14	0.6
1992	-	1.6	2006 4/	13	0.4
1993	13	1.8	2007	14	0.5
1994	14	0.8	2008	14	0.5
1995	14	0.8	2009	13	0.4
1996	14	0.8	2010	12	0.4
1997	8	0.8	2011	12	0.4
1998	9	0.8	2012	12	0.4
1999	14	0.6	2013	11	0.4
2000	14	0.7	2014	13	0.4
2001	16	0.6	2015	11	0.4

1/ The State Ambient Air Standard for  $\text{PM}_{10}$  annual average is  $50 \mu\text{g}/\text{m}^3$ . The Federal standard was revoked by the U.S. Environmental Protection Agency effective December 17, 2006.

2/ There is no annual standard for CO.

3/ Represents data until July 14, 2005, when the monitoring station was closed for roof repairs.

4/ Represents data from August 5, 2006, after completion of roof repairs.

Source: Hawaii State Department of Health, Environmental Management Division, Clean Air Branch, records.

**Table 5.39-- AIR QUALITY AT SPECIFIED LOCATIONS: 2015**

Sampling station	PM <sub>10</sub> (µg/m <sup>3</sup> ) 1/			Sulfur dioxide (ppm) 2/		
	Annual range 24-hr		Annual arithmetic average	Annual range 1-hr		Annual arithmetic average
	Minimum	Maximum		Minimum	Maximum	
Oahu						
Downtown Honolulu	1	36	11	0.000	0.013	0.000
Pearl City	6	46	21	(X)	(X)	(X)
Kapolei	2	32	16	0.000	0.026	0.001

X Not applicable.

1/ Particulate matter up to 10 microns in diameter. The State and Federal Ambient Air Standard for 24-hr PM<sub>10</sub> is 150 µg/m<sup>3</sup>.

2/ The State Ambient Air Standard for 24-hr SO<sub>2</sub> is 0.14 ppm. Federal standard for SO<sub>2</sub> is now a 1 hour average not to exceed 75 ppb (0.075 ppm).

Source: Hawaii State Department of Health, Environmental Management Division, Clean Air Branch, records.

**Table 5.40-- RELEASE OF TOXICS: 1999 TO 2014**

[In pounds]

Year	Release 1/					
	Total	Air	Water	On-site land	Under-ground injection	Off-site
1999	1,681,101	1,584,809	2,721	38,163	5,070	50,338
2000	1,311,611	1,057,090	1,224	31,833	7,284	214,180
2001	3,108,521	2,379,969	29,770	224,400	2,071	472,311
2002	3,688,240	2,495,256	454,684	228,634	2,241	507,425
2003	3,163,057	2,131,959	364,067	249,267	2,670	415,094
2004	3,170,737	2,358,741	296,415	227,719	6,601	281,261
2005	3,102,730	2,311,635	522,217	89,734	2,736	176,408
2006	3,022,392	2,254,027	358,266	174,678	4,743	230,678
2007	3,015,602	2,266,925	446,948	143,011	2,670	156,048
2008	3,245,524	2,277,988	549,838	169,076	3,471	245,151
2009	2,947,241	2,228,566	222,963	147,530	4,477	343,705
2010	2,495,605	1,739,249	452,359	171,221	2,603	130,173
2011	2,597,069	1,845,550	409,370	124,224	3,722	214,203
2012	2,693,617	1,876,897	435,662	181,039	4,508	195,511
2013	3,023,584	1,727,045	441,572	232,261	1,242	621,465
2014	2,671,773	1,566,921	534,190	401,495	7,036	162,131

1/ Release is defined as the amount of a toxic chemical released on-site (to air, water, underground injection, landfills, and other land disposal), and the amount transferred off-site for disposal.

Source: U.S. Environmental Protection Agency, *Hawaii Report: Toxics Release Inventory* (annual) <[http://iaspub.epa.gov/triexplorer/tri\\_factsheet.factsheet\\_forstate?pstate=HI&pyear=2014](http://iaspub.epa.gov/triexplorer/tri_factsheet.factsheet_forstate?pstate=HI&pyear=2014)> accessed July 6, 2016.

**Table 5.41-- TOXIC RELEASE INVENTORY CHEMICAL RELEASES:  
1988 TO 2014**

[In pounds. For all industries and all chemicals]

Year	Total on-site disposal or other releases	Total off-site disposal or other releases	Total on- and off-site disposal or other releases	Total production-related waste managed
1988	2,225,959	164,482	2,390,441	(NA)
1989	2,105,585	20,458	2,126,043	(NA)
1990	844,758	7,209	851,967	(NA)
1991	916,001	12,388	928,389	8,322,961
1992	873,910	163,500	1,037,410	8,348,939
1993	706,345	14,982	721,327	8,259,575
1994	588,489	17,371	605,860	3,133,045
1995	492,923	163,769	656,692	5,401,395
1996	536,272	3,995	540,267	4,185,584
1997	444,040	8,365	452,405	4,118,506
1998	2,026,357	85,903	2,112,260	5,806,154
1999	1,630,843	50,438	1,681,281	5,221,169
2000	1,097,432	176,546	1,273,978	1,782,121
2001	2,950,196	430,325	3,380,521	4,258,038
2002	3,180,814	514,846	3,695,661	4,620,356
2003	2,747,963	419,791	3,167,753	4,023,425
2004	2,889,493	281,224	3,170,718	3,853,008
2005	2,925,433	179,935	3,105,369	4,009,430
2006	2,790,816	230,671	3,021,488	3,679,473
2007	2,859,554	156,023	3,015,577	3,878,790
2008	3,000,373	245,176	3,245,550	4,393,104
2009	2,603,536	343,728	2,947,264	3,734,894
2010	2,365,432	130,212	2,495,644	3,045,978
2011	2,375,076	214,223	2,589,299	3,274,039
2012	2,498,106	195,511	2,693,617	6,633,891
2013	2,402,119	621,465	3,023,584	5,906,320
2014	2,509,642	162,131	2,671,773	5,677,783

NA Not available.

Source: United States Environmental Protection Agency, Toxic Release Inventory Program, TRI Explorer <[http://iaspub.epa.gov/triexplorer/tri\\_release.chemical](http://iaspub.epa.gov/triexplorer/tri_release.chemical)> accessed on April 11, 2016.

**Table 5.42 -- RELEASE OF PERSISTENT, BIOACCUMULATIVE AND TOXIC (PBT) CHEMICALS: 2002 TO 2014**

[In pounds; dioxin and dioxin-like compounds in grams]

Year	Total on- and off-site disposal or other releases 1/				
	Lead and lead compounds	PAC's 2/	Mercury and mercury compounds	Benzo (g,h,i) perylene	Dioxin 3/
2002	91,912	1,407	317	0.95	6.330
2003	106,067	1,533	203	1.18	5.129
2004	131,952	1,786	187	9.84	5.390
2005	46,192	1,683	211	213.00	5.100
2006	90,131	1,467	127	7.00	5.000
2007	84,110	1,271	203	6.00	5.080
2008	91,106	1,288	293	6.00	0.010
2009	107,782	2,276	147	16.00	4.080
2010	93,115	1,328	553	6.00	4.110
2011	74,488	1,798	236	9.00	4.233
2012	101,479	1,627	345	33.00	3.888
2013	134,234	1,361	294	6.00	3.678
2014	214,637	915	131	5.00	1.676

1/ Release is defined as the amount of a toxic chemical released on-site (to air, water, underground injection, landfills, and other land disposal), and the amount transferred off-site for disposal.

2/ Polycyclic aromatic compounds.

3/ Dioxin and dioxin-like compounds (in grams) unless otherwise specified.

Source: U.S. Environmental Protection Agency, *Hawaii Report: Toxics Release Inventory* (annual) <[http://iaspub.epa.gov/triexplorer/tri\\_release.chemical](http://iaspub.epa.gov/triexplorer/tri_release.chemical)> accessed July 6, 2016.

**Table 5.43-- OIL AND CHEMICAL RELEASES: 2006 TO 2014**

Year	Total oil & chemical releases	Oil releases			Chemical releases		
		Total	To land	To water	Total	To land	To water
2006	384	206	(NA)	(NA)	178	(NA)	(NA)
2007	489	289	(NA)	(NA)	200	(NA)	(NA)
2008	305	198	(NA)	(NA)	107	(NA)	(NA)
2009	268	143	56	87	125	63	62
2010	414	218	126	92	196	131	65
2011	371	257	185	72	114	51	63
2012	376	268	203	65	108	70	38
2013	388	256	178	78	132	83	49
2014	366	230	159	71	136	104	32

NA Not available.

Source: Hawaii State Department of Health, Hazard Evaluation and Emergency Response Office, records.

**Table 5.44-- ATMOSPHERIC CARBON DIOXIDE MEASUREMENTS  
AT MAUNA LOA: 1958 TO 2015**

[Average carbon dioxide mixing ratio, parts per million]

Year	Annual average	Year	Annual average	Year	Annual average
1958	1/ 315.17	1978	335.35	1998	366.61
1959	315.83	1979	336.73	1999	368.33
1960	316.75	1980	338.72	2000	369.62
1961	317.49	1981	340.12	2001	371.20
1962	318.30	1982	341.21	2002	372.99
1963	318.83	1983	342.87	2003	375.82
1964	2/ 319.04	1984	344.48	2004	377.54
1965	319.87	1985	345.85	2005	379.97
1966	321.21	1986	347.21	2006	381.89
1967	322.02	1987	348.98	2007	383.86
1968	322.83	1988	351.34	2008	385.61
1969	323.93	1989	352.89	2009	387.33
1970	325.27	1990	354.26	2010	389.80
1971	326.17	1991	355.45	2011	391.72
1972	327.26	1992	356.58	2012	393.82
1973	329.45	1993	357.01	2013	396.48
1974	1/ 329.72	1994	358.51	2014	3/ 398.61
1975	4/ 331.14	1995	360.62	2015	400.83
1976	332.04	1996	362.40		
1977	333.79	1997	363.54		

1/ Based on data for 8 months.

2/ Based on data for 9 months.

3/ Revised from previous *Data Book*.

4/ Based on data for 11 months.

Source: National Weather Service, Pacific Region, Honolulu (for 1958-1991); Mauna Loa Observatory (for 1992-1999); and U.S. Department of Commerce, National Oceanic & Atmospheric Administration (NOAA), Cooperative Global Air Sampling Network, Global Monitoring Division, Earth Systems Research Laboratory (ESRL) <[ftp://aftp.cmdl.noaa.gov/products/trends/co2/co2\\_annmean\\_mlo.txt](ftp://aftp.cmdl.noaa.gov/products/trends/co2/co2_annmean_mlo.txt)> accessed June 20, 2016 and records.

**Table 5.45-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES**

[Updated through December 2015]

Island and station	Ground elevation (feet)	Average temperature 1/ (°F)		Extreme temperature of record (°F)		Average annual precipitation (inches)
		Coollest month	Warmest month	Lowest	Highest	
<b>Hawaii:</b>						
Hilo Airport	38	66.4	81.2	53	94	2/ 126.61
Hawaii Volcanoes Nat. Park Hdq.	3,971	2/ 52.6	2/ 69.2	34	89	2/ 106.84
Naalehu	800	65.8	79.4	50	93	2/ 47.24
Kailua	700	2/ 63.5	2/ 76.2	2/ 44	88	2/ 118.50
Puako 3/	49	68.3	83.8	52	92	10.11
Waimea (Kamuela) 4/	2,671	2/ 66.3	2/ 83.8	2/ 31	95	2/ 21.99
Honokaa	1,080	(NA)	(NA)	(NA)	(NA)	78.53
Mauna Kea summit 5/	13,773	2/ 36.2	2/ 53.2	2/ 18	2/ 85	2/ 16.61
<b>Maui:</b>						
Hana Airport 6/	75	67.4	80.8	50	94	2/ 80.48
Haleakala summit 7/	9,964	2/ 38.9	2/ 54.6	2/ 14	2/ 73	2/ 38.89
Kihei 8/	160	(NA)	(NA)	(NA)	(NA)	12.84
Kahului Airport	51	2/ 67.3	83.8	48	97	2/ 18.23
Lahaina 9/	40	66.4	84.9	52	97	2/ 14.63
<b>Molokai:</b>						
Kaunakakai	12	(NA)	(NA)	(NA)	(NA)	13.66
Molokai Airport	443	67.6	81.4	46	96	2/ 24.96
<b>Lanai:</b>						
Lanai City 10/	1,620	62.4	75.4	47	2/ 92	2/ 34.29

Continued on next page.

**Table 5.45-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES -- Con.**

Island and station	Ground elevation (feet)	Average temperature 1/ (°F)		Extreme temperature of record (°F)		Average annual precipitation (inches)
		Coollest month	Warmest month	Lowest	Highest	
Oahu:						
Honolulu International Airport	7	2/ 70.4	84.0	52	95	2/ 20.20
Waikiki (Honolulu Zoo)	10	2/ 69.2	2/ 84.5	42	95	2/ 23.44
Manoa (Lyon Arboretum)	500	66.6	79.0	49	96	151.05
Kaneohe (State Hospital)	2/ 190	68.8	79.8	43	93	76.03
Kahuku	13	68.6	80.9	51	99	44.11
Wheeler AFB 11/	820	45.6	59.8	25	88	38.46
Upper Wahiawa 12/	1,006	64.4	79.2	47	92	67.48
Kauai:						
Kilauea (town)	390	67.1	79.5	50	90	67.97
Lihue Airport	100	2/ 69.9	81.1	50	2/ 91	2/ 40.93
Poipu (Makahuena Pt.) 7/	52	69.3	82.6	50	95	36.08
Kekaha 13/	10	64.8	84.8	44	95	21.78
Kokee (Kanalohuluhulu)	3,600	2/ 51.1	67.3	29	90	66.70
Northwestern Hawaiian Islands:						
Midway 14/	10	68.4	76.2	51	92	42.52

Continued on next page.

**Table 5.45-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES -- Con.**

NA Not available.

1/ For some stations, data represent 30-year normals.

2/ Revised from previous *Data Book*.

3/ Data available through 1976. Temperature data are for Mahukona.

4/ Data available through 1980.

5/ Based on incomplete and non-continuous data for 1966-1972.

6/ Data available through 2005.

7/ Data available through 1976.

8/ Temperature data available through 1982, refer to Keawakapu Beach.

9/ Data available through 2001.

10/ Data available through 2008, then restarted since June 2010.

11/ Data available through 1949.

12/ Started on April 1971 used through December 1977, then relocated WSW of Post Office at Wahiawa.

13/ Data available through 2000.

14/ Data available through 1991, not confirmed.

Source: Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records; and University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Atmospheric Science, records.

**Table 5.46-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO, KAHULUI, HONOLULU, AND LIHUE AIRPORTS: 2015**

[Normals are 30-year averages (1981 - 2010)]

Subject	Hilo	Kahului	Honolulu	Lihue
Temperatures (°F)				
Normal daily maximum, annual	80.9	84.3	84.4	81.2
Highest daily maximum	94	97	95	91
Month and year of occurrence	Nov 2013	Aug 2015	Sep 1994	Oct 2012
Normal daily minimum, annual	66.8	67.4	70.9	70.4
Lowest daily minimum	53	22	53	50
Month and year of occurrence	Feb 1962	Jan 2004	Jan 1998	Jan 1969
Normal dry bulb (temperature of ambient air)				
Coolest	71.2	71.8	73.1	71.6
Month	Feb	Feb	Feb	Feb
Warmest	76.4	79.7	81.9	79.7
Month	Aug	Aug	Aug	Aug
Annual	73.9	75.8	77.7	75.8
Normal no. days with maximum 90°F and above	-	17.0	18.7	0.1
Normal relative humidity (percent), annual				
8 a.m.	80	74	72	77
2 p.m.	68	58	56	66
Percent of possible sunshine, annual	41	67	71	59
Mean no. days (annual) with				
Clear	35.5	130.5	90.0	55.3
Partly cloudy	131.3	145.2	179.8	183.2
Cloudy	195.3	89.5	92.0	123.2
Wind speed (m.p.h.), annual				
Mean	6.7	12.9	10.3	13.3
Maximum 2-minute	39	48	40	48
Month and year of occurrence	Aug 2014	Jan 2004	Jan 2004	Dec 2007
Precipitation (inches)				
Normal, annual	126.72	17.83	17.10	37.05
Maximum monthly	50.82	14.46	20.79	36.13
Month and year of occurrence	Dec 1954	Jan 1980	Mar 1951	Mar 2006
Minimum monthly	0.13	-	0.01	0.08
Month and year of occurrence	Jan 1998	Jun 1957	Dec 2012	Dec 2005
Maximum in 24 hours	27.36	7.01	17.07	11.54
Month and year of occurrence	Nov 2000	Jan 1980	Mar 1958	Dec 1968

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary with Comparative Data, 2015*, "Normals, Means, and Extremes," for Hilo, Kahului, Honolulu, and Lihue (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed July 8, 2016.

**Table 5.47-- MONTHLY AND ANNUAL CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT: 2015**

[Normals are 30-year averages (1981 - 2010)]

Month	Normal temperature (°F)			Extreme temperature (°F)		Precipitation (inches)			
	Daily maximum	Daily minimum	Normal dry bulb 1/	Highest daily maximum	Lowest daily minimum	Normal	Maximum monthly	Minimum monthly	Maximum in 24 hours
January	80.1	66.3	73.2	88	53	2.31	14.74	0.18	6.72
February	80.2	66.1	73.1	88	53	1.99	13.68	0.06	6.88
March	81.2	67.7	74.5	88	55	2.02	20.79	0.01	17.07
April	82.7	69.4	76.1	91	57	0.63	8.92	0.01	4.21
May	84.6	70.9	77.8	93	60	0.62	7.23	0.03	3.44
June	87.0	73.4	80.2	92	65	0.26	2.46	(2/)	2.28
July	87.9	74.5	81.2	94	66	0.51	2.33	0.03	2.20
August	88.7	75.1	81.9	93	65	0.56	7.63	(2/)	4.42
September	88.6	74.4	81.5	95	66	0.70	4.48	0.05	2.14
October	86.7	73.4	80.0	94	61	1.84	11.15	0.07	7.57
November	83.9	71.4	77.6	93	57	2.42	18.79	0.03	9.15
December	81.2	68.3	74.8	89	54	3.24	17.29	0.01	8.25
Annual	84.4	70.9	77.7	95	53	17.10	20.79	0.01	17.07

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**Table 5.47-- MONTHLY AND ANNUAL CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT: 2015-- Con.**

Month	Relative humidity (percent)		Wind (miles/hour)		Percent of possible sunshine	Number of days		
	8 a.m.	2 p.m.	Mean speed	Maximum 2-minute speed		Mean		Normal
						Clear	Cloudy	Precipitation .01 inch or more
January	81	61	8.5	40	65	9.5	8.5	8.5
February	79	59	9.2	37	68	8.1	7.6	7.4
March	73	57	10.2	39	72	7.4	9.3	8.8
April	70	55	11.0	35	70	5.9	9.6	7.5
May	67	54	10.6	30	72	6.7	8.7	5.8
June	66	52	11.9	30	74	6.5	6.2	5.7
July	68	52	12.0	30	76	7.4	5.1	7.1
August	68	52	11.7	31	77	8.0	5.7	5.6
September	70	53	10.2	30	77	7.9	5.7	6.9
October	71	56	9.5	31	71	7.5	8.1	7.6
November	75	59	9.7	35	64	7.2	8.8	8.8
December	79	60	9.3	39	63	7.9	8.7	9.7
Annual	72	56	10.3	40	71	90.0	92.0	89.4

1/ Temperature of the ambient air.

2/ Trace precipitation.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data, 2015*, "Normals, Means, and Extremes, Honolulu, HI" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed July 7, 2016.

**Table 5.48-- AVERAGE TEMPERATURE, PERCENT OF POSSIBLE SUNSHINE, AND PRECIPITATION, FOR HONOLULU INTERNATIONAL AIRPORT: 1960 TO 2015**

Year	Average temperature (°F)	Percent of possible sunshine	Precipitation (inches)	Year	Average temperature (°F)	Percent of possible sunshine	Precipitation (inches)
1960	76.7	70	12.07	1990 1/	77.6	69	19.84
1961	77.2	81	14.26	1991 1/	77.7	69	17.94
1962	76.5	71	13.58	1992 1/	77.8	69	19.00
1963	76.7	64	37.91	1993 1/	77.1	69	5.84
1964	77.0	63	20.12	1994 1/	78.8	70	15.59
1965 2/	76.1	74	42.78	1995 1/	79.3	70	13.60
1966 2/	77.6	68	23.18	1996 1/	78.6	70	33.12
1967 2/	77.6	58	34.34	1997 1/	77.8	71	19.99
1968 2/	77.9	63	37.26	1998 1/	77.1	71	4.52
1969 2/	77.4	68	22.50	1999 1/	76.9	71	11.99
1970 2/	78.2	72	15.49	2000 1/	77.6	71	7.10
1971 2/	76.1	70	26.64	2001 1/	78.2	71	9.14
1972	76.2	65	26.94	2002 1/	77.9	71	12.18
1973	77.2	63	14.24	2003 1/	78.5	71	12.69
1974	77.5	61	24.02	2004 1/	78.7	71	39.01
1975	76.2	62	24.39	2005 1/	78.4	71	15.60
1976	76.8	60	12.90	2006 1/	77.1	71	29.45
1977	78.2	68	12.36	2007 1/	78.0	71	11.99
1978	76.8	69	25.05	2008 1/	78.3	71	14.76
1979	77.0	68	16.93	2009 1/	(NA)	71	11.55
1980 1/	77.4	68	26.90	2010 1/	77.5	71	17.40
1981 1/	77.1	68	13.41	2011 1/	78.3	71	15.69
1982 1/	76.9	67	34.92	2012 1/	77.2	71	8.58
1983 1/	77.2	67	5.03	2013 1/	77.1	71	16.18
1984 1/	78.1	67	17.08	2014 1/	78.2	71	20.82
1985 1/	76.9	67	17.38	2015 1/	78.7	71	21.04
1986 1/	78.3	68	13.93				
1987 1/	77.9	68	23.53				
1988 1/	78.5	68	16.47				
1989 1/	77.5	68	27.52				

NA Not available.

1/ From 1980 on, data taken from "Normals, Means, and Extremes, Honolulu, HI" table, and represents a historic average rather than annual data.

2/ Site conditions produced distorted temperature measurements from 1965 to 1971.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data, 2015*,

"Average Temperature (°F), Honolulu, HI", "Normals, Means, and Extremes, Honolulu, HI",

"Precipitation (inches), Honolulu, HI" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed

July 7, 2016.

**Table 5.49-- AVERAGE DAILY TEMPERATURE AND DAYS WITH MAXIMUM OF 90° OR HIGHER, FOR HONOLULU INTERNATIONAL AIRPORT: 1971 TO 2015**

Year	Average daily maximum (°F)	Days 90° or higher	Year	Average daily maximum (°F)	Days 90° or higher
1971	82.7	-	2001	84.5	19
1972	83.2	3	2002	84.1	9
1973	84.4	10	2003	84.8	35
1974	85.0	25	2004	84.9	53
1975	83.6	1	2005	84.7	55
1976	84.1	9	2006	83.1	1
1977	85.2	16	2007	84.2	11
1978	84.2	13	2008	84.5	12
1979	84.7	51	2009	(NA)	31
1980	84.6	22	2010	84.0	1
1981	84.6	9	2011	84.6	8
1982	83.5	27	2012	83.4	-
1983	85.1	44	2013	83.6	3
1984	85.5	63	2014	84.4	40
1985	84.6	53	2015	85.0	64
1986	86.2	64			
1987	85.7	93			
1988	86.1	70			
1989	85.2	34			
1990	84.0	47			
1991	84.9	35			
1992	85.2	28			
1993	84.5	23			
1994	85.5	85			
1995	86.8	116			
1996	85.8	69			
1997	85.1	50			
1998	83.7	-			
1999	83.2	-			
2000	84.0	4			

NA Not available

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data 2015*, "Meteorological Data, Honolulu" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed July 7, 2016.

**Table 5.50-- CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT: 2002 TO 2015**

Year	Average temperature (°F) 1/			Extreme temp. (°F)		Precipitation (inches)
	Annual	Coolest month	Warmest month	Lowest	Highest	
2002	77.9	73.1	82.2	60	90	12.18
2003	78.5	72.5	83.2	57	92	12.69
2004	78.7	73.6	82.8	60	92	39.01
2005	78.4	72.7	83.6	58	93	15.60
2006	77.1	72.1	81.2	60	90	29.45
2007	78.0	73.4	82.1	57	91	11.99
2008	78.3	73.6	82.2	62	90	14.76
2009	(NA)	72.5	82.5	58	92	11.55
2010	77.5	73.1	80.7	61	90	17.40
2011	78.3	73.4	81.5	59	90	15.69
2012	77.2	73.9	80.8	60	89	8.58
2013	77.1	72.9	81.2	59	90	16.18
2014	78.2	72.7	82.9	60	93	20.82
2015	78.7	72.3	83.5	57	93	21.04

Year	Relative humidity (percent)		Wind speed (miles/hour)		Percent of possible sunshine	Days with precipitation .01 inch or more
	8 a.m.	2 p.m.	Annual average	Peak gust		
2002	72	58	10.2	(NA)	(NA)	64
2003	71	56	10.5	(NA)	(NA)	87
2004	75	61	9.7	(NA)	(NA)	122
2005	71	55	10.6	(NA)	(NA)	90
2006	66	58	9.9	(NA)	(NA)	97
2007	63	54	11.1	(NA)	(NA)	83
2008	62	53	10.0	(NA)	(NA)	92
2009	62	54	10.2	(NA)	(NA)	74
2010	63	53	10.1	(NA)	(NA)	88
2011	66	56	10.1	(NA)	(NA)	108
2012	66	57	10.7	(NA)	(NA)	51
2013	65	56	9.4	(NA)	(NA)	83
2014	65	56	8.9	(NA)	(NA)	104
2015	67	58	9.4	(NA)	(NA)	122

NA Not available.

1/ Average dry bulb (temperature of the ambient air).

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data 2015*, "Meteorological Data, Honolulu, HI" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed July 7, 2016.

**Table 5.51-- CLIMATIC DATA FOR THE PERIOD OF RECORD**

Subject	Date	Place	Magnitude
Long-term averages			
Lowest monthly average minimum temp. (°F)	February	Mauna Kea summit	23.5
Lowest monthly average daily temp. (°F)	February	Mauna Kea summit	31.3
Highest monthly average maximum temp. (°F)	September	Kawaihae 1/	91.9
Highest monthly average daily temp. (°F)	September	Kawaihae 1/	80.8
Lowest average annual rainfall (inches)	...	Kawaihae	8.7
Highest average annual rainfall (inches)	...	Waialeale	444
Single events			
Lowest temperature of record (°F)	Jan. 20, 1970	Mauna Kea summit 2/	1.4
Highest temperature of record (°F)	April 27, 1931	Pahala	100
Lowest annual rainfall of record (inches)	1953	Kawaihae	0.2
Highest annual rainfall of record (inches)	1982	Waialeale	666
Highest wind speed of record (m.p.h.)	Sept. 11, 1992	Makahuena Pt. 3/	143

1/ Puukohola Heiau National Historical Site, Kawaihae, Hawaii.

2/ Recorded by Dr. Alfred Woodcock 60 meters inside the Mauna Kea summit cone, at 6:50 a.m. The rim at that time had a temperature of 39°F.

3/ Makahuena Point Coast Guard Station, Poipu, Kauai.

Source: Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, data provided February 14, 1995.

**Table 5.52-- RAINFALL AT SPECIFIED LOCATIONS:  
2002 TO 2015**

[In inches]

Year	Hawaii				Maui		
	Hilo Airport	Lalamilo	Kona Village	Naalehu	Kahului Airport	Kihei	Lahaina
2002	134.03	18.01	9.70	59.15	15.07	13.33	(NA)
2003	91.38	1/ 12.37	5.66	1/ 25.71	13.83	11.58	(NA)
2004	137.49	29.99	19.97	2/ 47.56	26.17	26.38	(NA)
2005	123.32	15.58	14.90	1/ 25.01	2/ 15.45	10.88	(NA)
2006	122.02	10.61	9.68	1/ 71.26	18.65	16.49	(NA)
2007	106.75	16.39	12.45	42.46	13.06	14.61	(NA)
2008	127.53	7.43	7.74	1/ 48.43	9.55	5.84	(NA)
2009	131.18	2/ 9.41	6.99	4/ 23.20	14.07	7.33	(NA)
2010	63.29	8/ 0.25	5.55	8/ 0.51	9.44	4.68	(NA)
2011	97.66	8/ 0.36	3.29	6/ 11.49	1/ 10.59	7.42	(NA)
2012	90.94	5/ 1.04	1.50	7/ 18.73	5.04	2.17	(NA)
2013	102.24	9/ 0.90	4/ 4.29	1/ 27.02	15.41	1/ 6.76	(NA)
2014	115.24	7/ 11.83	13.64	1/ 52.87	23.25	17.97	(NA)
2015	147.59	8/ 1.66	3/ 9.21	43.20	29.26	1/ 14.22	(NA)
Year	Oahu				Kauai		
	Waikiki	University of Hawaii	Nuuanu Res. 4	Kane-ohe	Koloa	Lihue Airport	Princeville
2002	17.26	23.66	106.70	44.16	1/ 40.33	31.92	66.81
2003	23.09	1/ 24.36	111.33	50.75	2/ 31.06	35.78	74.82
2004	40.31	61.89	146.17	81.26	64.89	49.91	93.17
2005	19.26	36.45	1/ 79.09	58.24	4/ 22.35	27.61	79.95
2006	31.84	38.90	89.54	81.28	3/ 60.48	67.03	91.58
2007	27.30	1/ 33.81	1/ 93.06	45.19	43.52	24.37	72.09
2008	15.60	33.79	103.82	41.44	57.56	40.07	78.85
2009	11.56	24.22	1/ 88.12	52.50	1/ 30.99	26.63	82.53
2010	15.60	32.76	83.33	40.91	1/ 43.12	25.94	52.02
2011	23.74	1/ 29.87	93.76	1/ 52.56	3/ 39.64	42.67	83.11
2012	14.25	23.01	5/ 61.22	32.66	(10/)	41.12	73.40
2013	19.25	32.11	112.48	47.44	(10/)	37.15	62.28
2014	21.48	32.83	123.63	52.51	(10/)	30.94	70.73
2015	18.54	3/ 33.70	130.86	1/ 52.45	(10/)	30.07	71.87

Continued on next page.

**Table 5.52-- RAINFALL AT SPECIFIED LOCATIONS:  
2002 TO 2015 -- Con.**

NA Not available.

1/ Missing 1 day.

2/ Missing 2 days.

3/ Missing 3 days.

4/ Missing 4 days.

5/ Missing 5 days.

6/ Missing 6 days.

7/ Missing 7 days.

8/ Missing 10 days.

9/ Missing 11 days.

10/ Missing 26 or more days.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Climatological Data, Annual Summary, Hawaii and Pacific* (annual); Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records; and University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Atmospheric Science, records.

**Table 5.53-- MAJOR HURRICANES: 1950 TO 2015**

Hurricane name	Date 1/	Islands most affected	Maximum recorded winds ashore (m.p.h.)		Deaths	Property damage (mil. dol.)
			Sustained	Peak gusts		
Hiki	Aug. 15-17, 1950	Kauai	68	(NA)	1	0.2
Della	Sept. 4, 1957	French Frigate Shoals	82	109	-	Minor
Nina	Dec. 1-2, 1957	Kauai	(NA)	92	1	0.1
Dot	Aug. 6, 1959	Kauai	81	103	-	5.5+
Fico	July 18-20, 1978	Hawaii	(NA)	58+	-	0.2
Iwa	Nov. 23, 1982	Kauai, Oahu	65	117	1	234.0
Estelle	July 22, 1986	Maui, Hawaii	(NA)	55	-	2.0
Iniki	Sept. 11, 1992	Kauai, Oahu	92	143	8	1,900

NA Not available.

1/ Period affecting the Hawaiian Islands.

Source: Samuel L. Shaw, *A History of Tropical Cyclones in the Central North Pacific and the Hawaiian Islands, 1832-1979* (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, September 1981); Hawaii State Department of Defense, Civil Defense Division, *Catalogue of Natural and Man-Caused Incidents and Disasters in the Hawaiian Islands* (December 1978); The Governor's Ad Hoc Committee on the Economic Impact of Hurricane Iwa, *Hurricane Iwa's Economic Impact on Hawaii* (January 1983); "The History of Hurricanes in Hawaii", *Honolulu Star-Bulletin*, July 18, 1983, p. A-5; "20-Foot Waves Hit Big Isle As Storm Brushes Coastline", *The Honolulu Advertiser*, July 23, 1986, pp. A1, A2; "Hawaii Hurricanes", *Honolulu Star-Bulletin*, August 4, 1988, p. A-8; Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records; and University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Atmospheric Science, records.

**Table 5.54-- TRADE WINDS, HIGH SURF, AND TEMPERATURES  
IN HAWAIIAN WATERS, BY MONTH**

Month	Trade wind frequency 1/ (percent)	Expected days of strong trade winds 2/	Highest surf 3/ (average number of days)		Water temperature 4/ (°F)	
			Flat or 1 foot	6 feet or more	Mean maximum	Mean minimum
Jan.	42	9	1	19	74.7	71.1
Feb.	55	7	1	16	75.6	70.3
March	61	10	1	12	76.5	71.8
April	74	10	3	7	77.7	73.0
May	86	7	8	3	79.5	74.7
June	91	7	15	-	81.1	77.7
July	95	10	16	-	81.1	78.3
Aug.	94	7	15	-	81.9	79.2
Sept.	83	4	10	2	81.9	78.4
Oct.	71	4	1	12	81.1	77.2
Nov.	64	8	-	19	79.3	74.5
Dec.	57	9	-	20	75.9	71.4
Annual	73	92	71	110	78.6	74.8

1/ Mean monthly frequency of trade winds in Hawaiian waters.

2/ Expected number of hazardous days in Hawaiian waters due to strong trade winds.

3/ Observations at Sunset Beach, Oahu. Annual averages were: flat or 1 foot, 71 days; 2-5 feet, 184 days; 6-10 feet, 71 days; 11-15 feet, 26 days; 16 feet or higher, 13 days.

4/ Observations at Kaneohe, Oahu. The mean ranged from 73.0 in January and February to 80.2 in August. Absolute maximums and minimums were respectively 84 (in July, August, and October) and 68 (December and February).

Source: Paul Haraguchi, *Weather in Hawaiian Waters* (Honolulu: Pacific Weather, Inc., 1979), pp. 14, 22, 56, and 74; and Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, data provided February 14, 1995.

**Table 5.55-- SUNRISE, SUNSET, AND HOURS OF DAYLIGHT AT  
SELECTED LOCATIONS, AT BEGINNING OF EACH SEASON: 2016**

[Based on Hawaii-Aleutian Standard Time which is 10 hours less than Universal Time  
Coordinated (UTC), the international standard for civil time]

<b>Subject</b>	<b>Hilo</b>	<b>Kahului</b>	<b>Honolulu</b>	<b>Lihue</b>
Sunrise (a.m.)				
March 19	6:25	6:30	6:36	6:42
June 20	5:42	5:46	5:50	5:55
Sept. 22	6:09	6:15	6:20	6:26
Dec. 21	6:51	6:58	7:05	7:12
Sunset (p.m.)				
March 19	6:31	6:37	6:42	6:49
June 20	7:02	7:10	7:16	7:24
Sept. 22	6:16	6:21	6:27	6:33
Dec. 21	5:47	5:50	5:55	6:00
Daylight (hours, minutes)				
March 19	12, 06	12, 07	12, 06	12, 07
June 20	13, 20	13, 24	13, 26	13, 29
Sept. 22	12, 07	12, 06	12, 07	12, 07
Dec. 21	10, 56	10, 52	10, 50	10, 48

Source: U.S. Naval Observatory, Astronomical Applications Department  
<<http://aa.usno.navy.mil/data/docs/EarthSeasons.php>> and  
<[http://aa.usno.navy.mil/data/docs/RS\\_OneYear.php](http://aa.usno.navy.mil/data/docs/RS_OneYear.php)> accessed June 20, 2016; and  
calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 5.56-- SUNRISE, SUNSET, AND HOURS OF DAYLIGHT AT  
SELECTED LOCATIONS, AT BEGINNING OF EACH SEASON: 2017**

[Based on Hawaii-Aleutian Standard Time which is 10 hours less than Universal Time  
Coordinated (UTC), the international standard for civil time]

<b>Subject</b>	<b>Hilo</b>	<b>Kahului</b>	<b>Honolulu</b>	<b>Lihue</b>
Sunrise (a.m.)				
March 20	6:24	6:30	6:35	6:41
June 20	5:42	5:46	5:50	5:55
Sept. 22	6:09	6:15	6:20	6:26
Dec. 21	6:50	6:58	7:05	7:12
Sunset (p.m.)				
March 20	6:32	6:37	6:43	6:49
June 20	7:02	7:10	7:16	7:24
Sept. 22	6:16	6:22	6:27	6:33
Dec. 21	5:47	5:50	5:55	6:00
Daylight (hours, minutes)				
March 20	12, 08	12, 07	12, 08	12, 08
June 20	13, 20	13, 24	13, 26	13, 29
Sept. 22	12, 07	12, 07	12, 07	12, 07
Dec. 21	10, 57	10, 52	10, 50	10, 48

Source: U.S. Naval Observatory, Astronomical Applications Department  
<<http://aa.usno.navy.mil/data/docs/EarthSeasons.php>> and  
<[http://aa.usno.navy.mil/data/docs/RS\\_OneYear.php](http://aa.usno.navy.mil/data/docs/RS_OneYear.php)> accessed June 20, 2016; and  
calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 5.57-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF MAJOR SPECIES IN THE HONOLULU AREA: 2011 TO 2015**

[Counts are made in late December at various locations between Hawaii Kai and Aiea, and between Waimanalo and Kaneohe. Annual changes reflect differences in numbers of bird counters and counting time in the field, as well as changes in bird populations. Totals by species are also affected by the types of habitats studied]

Species	2011	2012	2013	2014	2015
Endemic species 1/					
'Apapane	50	8	28	7	2
Hawaiian Duck X Mallard	303	312	188	144	274
Hawaiian Moorhen 2/	59	67	50	31	23
Hawaiian Stilt 2/	195	145	143	103	129
Oahu 'Amakihi	40	8	33	23	-
Oahu 'Elepaio	7	4	7	5	2
Indigenous species 3/					
Black-crowned Night Heron	44	54	41	33	34
Brown Booby	7	3	1	29	5
Great Frigatebird	40	39	25	48	15
Red-footed Booby	875	522	866	1,473	1,650
White Tern	20	7	9	5	3
Alien species 4/					
Cattle Egret	161	185	130	212	193
Common Myna	1,257	814	885	522	820
Common Waxbill	1,340	1,189	337	1,319	647
House Finch	134	193	141	73	36
House Sparrow	156	199	162	56	123
Japanese White-eye	230	192	201	260	63
Java Sparrow	763	503	497	623	611
Northern Cardinal	132	52	48	33	19
Nutmeg Mannikin	98	186	14	265	89
Red-billed Leiothrix	113	112	118	131	14
Red-crested Cardinal	213	155	159	95	227
Red-vented Bulbul	561	492	379	363	165
Red-whiskered Bulbul	46	45	72	118	13
Rock Dove/Pigeon	377	464	224	165	283
Spotted Dove	584	292	393	214	161
White-rumped Shama	39	46	60	78	16
Yellow-fronted Canary	43	19	56	6	144
Zebra Dove	2,155	1,962	1,110	1,303	878

Continued on next page.

**Table 5.57-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF MAJOR SPECIES IN THE HONOLULU AREA: 2011 TO 2015 -- Con.**

Species	2011	2012	2013	2014	2015
Visitor species 5/					
Mallard	11	24	6	3	13
Pacific Golden-Plover	530	518	613	374	231
Ruddy Turnstone	414	322	561	131	245
Sanderling	77	13	13	5	11
Wandering Tattler	13	26	19	18	12

1/ Birds peculiar to Hawaii, and found nowhere else.

2/ Endangered species.

3/ Native to Hawaii, but also found elsewhere.

4/ Formerly termed "introduced". Includes accidental escapes from captivity.

5/ Formerly termed "migratory". Includes stragglers and seasonal migrants.

Source: Audubon's Christmas Bird Count, <<http://netapp.audubon.org/CBCObservation/>> accessed July 5, 2016.

**Table 5.58-- HAWAII AUDUBON SOCIETY BIRD COUNTS IN THE HONOLULU AREA, BY TYPE OF SPECIES: 2003 TO 2015**

[Counts are made in late December of various locations between Hawaii Kai and Aiea, and between Waimanalo and Kaneohe. Annual changes reflect differences in numbers of bird counters and counting time in the field, as well as changes in bird populations. Totals by species are also affected by the types of habitats studied]

Year	Type of species				
	All species	Endemic	Indigenous	Alien	Visitor
2003	52	5	10	28	9
2004	56	4	9	31	12
2005	52	5	8	28	11
2006	55	5	13	27	10
2007	47	5	7	26	9
2008	40	3	5	22	10
2009	51	5	11	28	7
2010	46	4	8	27	7
2011	60	5	9	33	13
2012	54	5	7	28	14
2013	50	5	9	27	9
2014	56	5	12	28	11
2015	51	5	8	27	11

Year	Number of individuals				
	All species	Endemic	Indigenous	Alien	Visitor
2003	8,105	183	778	6,069	1,075
2004	11,306	160	1,294	8,243	1,609
2005	7,007	106	1,143	4,673	1,085
2006	7,386	152	620	5,671	943
2007	5,021	149	695	3,445	732
2008	4,110	193	553	2,587	777
2009	6,963	149	656	5,102	1,056
2010	5,475	304	808	3,574	789
2011	11,807	512	1,242	8,985	1,068
2012	9,600	403	837	7,458	902
2013	7,847	353	1,138	5,113	1,243
2014	8,528	271	1,733	5,977	547
2015	7,314	302	1,860	4,640	512

Source: Audubon's Christmas Bird Count, <<http://netapp.audubon.org/CBCObservation/>> accessed July 5, 2016; Robert L. Pyle, "Checklist of the Birds of Hawaii" <<http://www.hawaii.audubon.com/checklist/checklist2002.pdf>> accessed on June 22, 2010; and calculations by the Department of Business, Economic Development & Tourism.

**Table 5.59-- BIRD SPECIES OF HAWAII: 2002**

Type of species	Number
All species	1/ 333
Resident native: normally does not leave the islands	78
Alien, introduced: resident, does not leave the islands	58
Breeding in Hawaii: most individuals leave Hawaii when not breeding	13
Visitor: breeds elsewhere, occurs in Hawaii when not breeding	184
Endangered (or threatened): on the Federal List of Endangered Species	32

1/ Includes double counts for mallard and eurasian skylark, that were classified as alien and visitor.

Source: Hawaii Audubon Society, 'Elepaio, Volume 65, Number 5, "Checklist of the Birds of Hawaii - 2002", updated to March 31, 2005 <<http://www.hawaii-audubon.com/newsletter.html>> accessed October 24, 2005.

**Table 5.60-- TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 2010 to 2015**

[As of June 30]

<b>Location</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Along City and County streets and highways 1/	139,200	139,300	143,400	142,700	143,281	143,967
In City and County parks	92,900	92,900	95,600	95,100	95,521	95,978

1/ Excludes Federal, State, and private thoroughfares.

Source: City and County of Honolulu, Department of Parks and Recreation, Urban Forestry, records.

**Table 5.61-- THREATENED AND ENDANGERED SPECIES, FOR THE UNITED STATES AND HAWAII**

[As of July 5, 2016]

<b>Group</b>	<b>United States</b>	<b>Hawaii</b>
Animal species	699	66
Amphibians	35	-
Arachnids	12	1
Birds	99	34
Clams	88	-
Corals	6	-
Crustaceans	27	2
Fishes	162	-
Insects	75	20
Mammals	102	1
Reptiles	43	3
Snails	50	5
Plant species	898	368
Conifers and cycads	4	-
Ferns and allies	31	16
Flowering plants	861	352
Lichens	2	-

Source: U.S. Fish & Wildlife Service, Threatened and Endangered Species System (TESS)  
 <[http://ecos.fws.gov/tess\\_public](http://ecos.fws.gov/tess_public)> accessed July 5, 2016.

## Section 6

# LAND USE AND OWNERSHIP

General statistics on the use, ownership, and tenure of land appear in this section. Information on specific use or ownership categories is given elsewhere: parks in Section 7, military land in Section 10, agriculture in Section 19, forests in Section 20, sugar cane land in Section 22, and foreign ownership on Section 24.

Considerable caution is necessary in comparing statistics from different sources on land use, ownership, or tenure. Variations in definitions and survey dates seriously affect comparability in many instances, even where terminology is relatively unambiguous and misinterpretation seems unlikely.

Tabulations by the U.S. Department of Agriculture, U.S. General Services Administration, Hawaii State Department of Hawaiian Home Lands, Hawaii State Department of Land and Natural Resources, Hawaii State Department of Business, Economic Development & Tourism and its Land Use Commission, City and County of Honolulu Budget and Fiscal Services Department, and City and County of Honolulu Planning Research Branch provided the data for this section. *Historical Statistics of Hawaii*, Section 12, contains limited information for earlier years. National data on land use are available in Sections 6, 17, and 26 of the *Statistical Abstract of the United States: 2012*.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#"><u>06.01</u></a>	Land Ownership, Cover, or Use: 1982 to 2012
<a href="#"><u>06.02</u></a>	Land Use and Structural Characteristics of Oahu: 1994 and 1998
<a href="#"><u>06.03</u></a>	Estimated Acreage of Land Use Districts: 1969 to 2015
<a href="#"><u>06.04</u></a>	Estimated Acreage of Land Use Districts, by Island: 2014 and 2015
<a href="#"><u>06.05</u></a>	Number of Land Records, by County: 1991 to 2016
<a href="#"><u>06.06</u></a>	Real Property Tax Exemptions for Cemeteries, Churches, Hospitals and Schools, by County: 2015 and 2016
<a href="#"><u>06.07</u></a>	Major Landowners, by Island, by Type: 2013
<a href="#"><u>06.08</u></a>	Real Property Owned by or Leased to the Federal Government: 2008 to 2014
<a href="#"><u>06.09</u></a>	Department of Hawaiian Home Lands Homestead Lessees and Applicants, by Island: 2013 to 2015
<a href="#"><u>06.10</u></a>	State Public and Set-Aside Land Inventory, by County: January 10, 1999

**Table 6.01-- LAND OWNERSHIP, COVER, OR USE: 1982 TO 2012**

[In thousands of acres, unless otherwise indicated. Based on sample data and subject to sampling variation. Small differences between reported values accordingly may not be statistically significant. Margins of error are available in the source. Margins of error involving values of zero are footnoted]

Land ownership, cover, or use 1/	1982	1987	1992	1997	2002	2007	2012
Land ownership							
Total surface area	4,123.0	4,123.0	4,123.0	4,123.0	4,123.0	4,123.0	4,123.0
Federal land 2/	407.2	473.7	475.4	446.9	453.4	605.7	610.7
Water area	23.0	23.1	22.9	22.9	23.0	23.1	23.1
Nonfederal land	3,692.8	3,626.2	3,624.7	3,653.2	3,646.6	3,494.2	3,489.2
Developed	166.4	171.0	193.5	200.9	217.2	224.4	241.9
Rural	3,526.4	3,455.2	3,431.2	3,452.3	3,429.4	3,269.8	3,247.3
Land cover or use 3/							
Nonfederal rural land	3,526.4	3,455.2	3,431.2	3,452.3	3,429.4	3,269.8	3,247.3
Cropland	284.6	280.3	259.5	229.6	146.4	100.2	85.7
CRP land 4/	(X)	-	-	-	-	-	-
Pastureland	59.9	50.6	52.0	53.7	84.1	87.2	87.4
Rangeland	1,078.2	1,064.9	1,074.4	1,070.6	1,101.6	1,075.5	1,069.8
Forest land	1,620.9	1,592.4	1,583.6	1,599.4	1,595.0	1,525.8	1,526.9
Other rural land	482.8	467.0	461.7	499.0	502.3	481.1	477.5
Cropland use							
Total cropland	284.6	280.3	259.5	229.6	146.4	100.2	85.7
Cultivated Cropland	261.5	247.6	217.6	183.8	99.7	69.1	53.1
Irrigated	153.0	148.4	114.7	76.5	65.9	57.6	46.1
Nonirrigated	108.5	99.2	102.9	107.3	33.8	11.5	7.0
Noncultivated Cropland	5/ 23.1	32.7	41.9	45.8	46.7	31.1	32.6
Irrigated	5/ 6.6	11.3	25.9	26.1	24.3	5/ 9.5	5/ 10.1
Nonirrigated	5/ 16.5	5/ 21.4	5/ 16.0	19.7	5/ 22.4	5/ 21.6	5/ 22.5
Prime farmland, by cover or use 6/							
Total rural land	243.9	244.1	233.1	232.2	228.4	209.0	202.0
Cropland	163.1	166.2	155.5	135.6	82.7	65.5	55.5
CRP land 4/	(X)	0.0	0.0	0.0	0.0	0.0	0.0
Pastureland	34.4	30.8	30.5	30.4	44.8	40.2	47.0
Rangeland	18.6	18.9	17.7	23.2	48.1	55.2	52.7
Forest land	23.4	23.4	23.7	24.3	5/ 29.7	5/ 31.0	5/ 30.2
Other rural land	4.4	4.8	5.7	18.7	23.1	17.1	16.6
Sheet or rill erosion, tons per acre with margins of error							
Nonfederal rural land							
Cropland	4.99	4.83	4.80	2.86	3.14	3.43	3.77
Cultivated	5.25	5.21	5.26	2.94	3.46	4.13	4.97
Noncultivated	5/ 2.11	5/ 1.97	5/ 2.45	2.53	2.45	1.86	1.81
CRP land 4/	(X)	-	-	-	-	-	-
Pastureland	0.78	0.75	0.76	0.56	0.71	0.75	1.18

Continued on next page.

**Table 6.01-- LAND OWNERSHIP, COVER, OR USE: 1982 TO 2012-- Con.**

Land ownership, cover, or use 1/	1982	1987	1992	1997	2002	2007	2012
On water areas & nonfederal land							
Total wetlands & deepwater habitats	(X)	(X)	80.6	82.7	83.7	83.7	83.6
Palustrine & estuarine wetlands	(X)	(X)	65.6	67.8	68.8	68.7	68.6
Palustrine	(X)	(X)	57.4	59.6	60.7	60.6	60.5
Estuarine	(X)	(X)	8.2	8.2	8.1	8.1	8.1
Other aquatic habitats	(X)	(X)	15.0	14.9	14.9	15.0	15.0
Lacustrine	(X)	(X)	2.1	2.0	2.0	2.1	2.1
Other 7/	(X)	(X)	12.9	12.9	12.9	12.9	12.9
Total Palustrine & estuarine wetlands	(X)	(X)	65.6	67.8	68.8	68.7	68.6
Cropland, pastureland, CRP land 4/	(X)	(X)	5/ 1.9	5/ 1.9	5/ 1.9	5/ 1.9	5/ 1.9
Rangeland	(X)	(X)	5/ 2.7	5/ 2.7	2.7	2.7	2.7
Forest land	(X)	(X)	39.9	42.0	42.0	41.9	44.5
Other rural land	(X)	(X)	12.1	12.1	13.0	13.0	10.2
Developed land	(X)	(X)	-	-	-	-	0.1
Water areas	(X)	(X)	9.0	9.1	9.2	9.2	9.2

X Not applicable.

1/ The 2012 NRI provides nationally consistent data for the 30-year period 1982–2012. This current NRI database should be used to compare 2012 conditions with those for earlier years. Comparisons using NRI data published prior to 2012 can produce incorrect inferences. Statistical estimation and quality assurance procedures employed for the NRI survey program help ensure that trends reported using NRI data reflect true changes in resource conditions.

2/ Includes ceded land; excludes leased land and submerged land.

3/ Land cover is the vegetation or other kind of material that covers the land surface. Land use is the purpose of human activity on the land; it is usually, but not always, related to land cover. The NRI uses the term land cover/use to identify categories that account for all the surface area of the United States.

4/ Conservation Reserve Program (CRP) Land under a federal program established under the Food Security Act of 1985 to assist private landowners to convert highly erodible cropland to vegetative cover for 10 years.

5/ These estimates are not reliable. The margin of error is equal to or greater than the estimate so the confidence interval includes zero.

6/ Prime farmland has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is also available for these uses.

7/ Includes Estuarine deepwater, and all Riverine and Marine systems.

Source: U.S. Department of Agriculture, Natural Resources Conservation Service, *2012 National Resources Inventory Summary Report*, Tables 1, 2, 10, 14-16, 19 and 20

<<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/technical/nra/nri/>> accessed July 20, 2016.

**Table 6.02-- LAND USE AND STRUCTURAL CHARACTERISTICS OF OAHU:  
1994 AND 1998**

Subject	June 1994	June 1998		
	Oahu total	Oahu total	Honolulu district	Rest of Oahu
<b>LAND USE (IN ACRES)</b>				
All existing uses	375,146	374,870	54,125	320,745
Residential	31,110	32,110	9,913	22,197
Industrial	8,658	9,571	3,790	5,781
Commercial	4,177	4,277	1,543	2,734
Hotel	319	315	128	187
Agriculture	70,400	56,954	300	56,654
Usable vacant	38,632	48,084	2,449	45,635
Other	221,851	223,559	36,002	187,557
<b>STRUCTURES BY YEAR BUILT 1/</b>				
All structures	160,693	165,783	64,351	101,432
Before 1930	6,777	6,337	4,977	1,360
1930 to 1939	8,537	8,225	5,266	2,959
1940 to 1949	14,477	14,087	8,145	5,942
1950 to 1959	29,516	29,109	13,961	15,148
1960 to 1969	40,846	40,581	15,305	25,276
1970 to 1979	28,324	28,247	8,122	20,125
1980 to 1989	20,244	20,197	5,215	14,982
1990 and later	11,972	19,000	3,360	15,640
<b>DWELLING UNITS BY TYPE 1/</b>				
All dwelling units	280,846	291,999	153,035	138,964
Single family and duplex	148,850	153,609	58,002	95,607
Low density multi-family	20,639	23,797	1,392	22,405
High density multi-family	111,357	114,593	93,641	20,952

1/ Data exclude structures on military bases.

Source: City and County of Honolulu, Planning Information Branch, records.

**Table 6.03-- ESTIMATED ACREAGE OF LAND USE DISTRICTS:  
1969 TO 2015**

[Total acreage, including inland water, as classified by the Hawaii State Land Use Commission under the provisions of Chapter 205, Hawaii Revised Statutes, as amended. All data are approximate]

Year and month	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
UNADJUSTED 3/					
1969: August	4,111,500	140,163	2,009,087	1,955,875	6,375
1974: March	4,111,500	147,472	1,986,429	1,968,727	8,872
1978: December	4,111,500	151,929	1,976,106	1,974,230	9,235
1983: December	4,112,388	156,568	1,975,473	1,970,146	10,201
1984: December	4,112,388	158,620	1,969,351	1,974,236	10,181
1985: December	4,112,388	163,211	1,968,804	1,970,189	10,184
1986: December	4,112,388	165,165	1,967,638	1,969,401	10,184
1987: December	4,112,388	166,507	1,967,168	1,968,524	10,189
ADJUSTED 3/					
1987: December	4,112,388	165,607	1,967,247	1,969,345	10,189
1988: December	4,112,388	171,230	1,967,194	1,963,766	10,198
1989: December	4,112,388	175,285	1,960,976	1,965,935	10,192
1990: December	4,112,388	178,114	1,960,608	1,963,491	10,175
1991: December	4,112,388	181,407	1,959,621	1,961,294	10,066
1992: December	4,112,388	180,912	1,960,615	1,960,795	10,066
1993: December	4,112,388	187,697	1,958,897	1,955,704	10,090
1994: December	4,112,388	189,418	1,974,549	1,938,505	9,916
1995: December	4,112,388	190,257	1,976,016	1,936,197	9,918
1996: December	4,112,388	191,941	1,974,994	1,935,526	9,927
1997: December	4,112,388	192,158	1,974,994	1,935,305	9,931
1998: December	4,112,388	193,001	1,974,994	1,934,423	9,970
1999: December	4,112,388	194,592	1,974,994	1,932,792	10,010
2000: December	4,112,388	193,308	1,976,004	1,933,066	10,010
2001: December	4,112,388	194,556	1,974,106	1,933,687	10,039
2002: December	4,112,388	195,495	1,973,973	1,932,862	10,058
2003: December	4,112,388	196,215	1,973,636	1,932,429	10,108
2004: December	4,112,388	196,991	1,973,636	1,931,378	10,383
2005: December 4/	4,112,388	197,085	1,973,636	1,930,797	10,870
2006: December 4/	4,112,388	197,663	1,973,631	1,930,224	10,870
2007: December 4/	4,112,388	198,141	1,973,631	1,929,746	10,870
2008: December 4/	4,112,388	198,296	1,973,631	1,928,860	11,602
2009: December 4/	4,112,388	198,492	1,973,631	1,928,663	11,602
2010: December 4/	4,112,388	198,549	1,973,846	1,928,391	11,602
2011: December 4/	4,112,388	198,622	1,973,846	1,928,318	11,602
2012: December 4/	4,112,388	199,970	1,973,846	1,926,971	11,602
2013: December 4/	4,112,388	200,434	1,973,846	1,926,507	11,602
2014: December 4/	4,112,388	200,439	1,973,846	1,926,502	11,602
2015: December 4/	4,112,388	200,439	1,973,846	1,926,502	11,602

1/ These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census, cited in Section 5. The increase in the 1983 total area reflects additions to the Urban District on Oahu at Honolulu International Airport (Reef runway and South Ramp refill) created from former submerged lands.

2/ For definitions, see Hawaii Revised Statutes, Section 205-2.

3/ For changes in classification resulting from court decisions on past Commission actions.

4/ May be revised, pending updates of county records.

Source: Hawaii State Department of Business, Economic Development & Tourism, Land Use Commission, records.

**Table 6.04-- ESTIMATED ACREAGE OF LAND USE DISTRICTS,  
BY ISLAND: 2014 AND 2015**

[As of December 31. Total acreage, including inland water, as classified by the Hawaii State Land Use Commission under the provisions of Chapter 205, Hawaii Revised Statutes, as amended. All data are approximate]

Island	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
State total - 2014	4,112,388	200,439	1,973,846	1,926,502	11,602
Hawaii 3/	2,573,400	54,145	1,304,347	1,212,886	2,023
Maui	465,800	24,191	194,836	242,720	4,053
Kahoolawe	28,800	-	28,800	-	-
Lanai	90,500	3,330	38,197	46,566	2,407
Molokai	165,800	2,539	49,768	111,627	1,866
Oahu	386,188	101,661	156,829	127,698	-
Kauai 4/	353,900	14,573	198,769	139,305	1,253
Niihau 4/	45,700	-	-	45,700	-
Kaula and Lehua	400	-	400	-	-
Other islands 5/	1,900	-	1,900	-	-
State total - 2015	4,112,388	200,439	1,973,846	1,926,502	11,602
Hawaii	2,573,400	54,145	1,304,347	1,212,886	2,023
Maui	465,800	24,191	194,836	242,720	4,053
Kahoolawe	28,800	-	28,800	-	-
Lanai	90,500	3,330	38,197	46,566	2,407
Molokai	165,800	2,539	49,768	111,627	1,866
Oahu	386,188	101,661	156,829	127,698	-
Kauai 4/	353,900	14,573	198,769	139,305	1,253
Niihau 4/	45,700	-	-	45,700	-
Kaula and Lehua	400	-	400	-	-
Other islands 5/	1,900	-	1,900	-	-

1/ These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census, cited in Section 5.

2/ For definitions, see Hawaii Revised Statutes, Section 205-2.

3/ County records update indicated 5 acres changed from Agricultural to Urban.

4/ May be revised, pending updates of County records.

5/ The Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, excluding Midway.

Source: Hawaii State Department of Business, Economic Development & Tourism, Land Use Commission, records.

**Table 6.05-- NUMBER OF LAND RECORDS, BY COUNTY: 1991 TO 2016**

[For fiscal year ending June 30. Beginning with 1993 report, does not include non-taxable properties]

Year	State total	City and County of Honolulu	County of Maui	County of Hawaii	County of Kauai
1991	426,392	224,880	51,585	125,779	24,148
1992	433,618	228,025	52,997	127,379	25,217
1993	441,747	233,464	54,039	128,337	25,907
1994	449,744	237,815	55,994	129,434	26,501
1995	456,003	242,285	56,726	129,856	27,136
1996	463,137	246,933	57,665	130,623	27,916
1997	471,212	251,731	58,624	131,981	28,876
1998	475,122	253,886	59,505	132,605	29,126
1999	478,737	255,589	60,490	133,322	29,336
2000	483,879	258,121	61,897	134,308	29,553
2001	487,646	259,456	62,873	135,499	29,818
2002	(NA)	260,662	(NA)	(NA)	30,097
2003	474,660	252,435	60,472	133,321	28,432
2004	478,628	255,029	60,537	134,290	28,772
2005	482,645	258,415	61,273	134,021	28,936
2006	489,308	262,479	62,521	134,885	29,423
2007	500,481	268,441	64,597	136,612	30,831
2008	507,900	271,859	65,938	138,281	31,822
2009	514,029	274,483	67,981	139,167	32,398
2010	518,031	276,582	68,930	139,649	32,870
2011	520,822	277,581	70,365	139,883	32,993
2012	523,957	278,825	71,101	140,008	34,023
2013	525,356	279,754	71,234	140,196	34,172
2014	527,359	281,463	71,515	140,257	34,124
2015	530,705	285,092	71,907	140,336	33,370
2016	533,067	287,115	71,992	140,753	33,207

NA Not available.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, Real Property Tax Valuations, Tax Rates, & Exemption By Year, "Number of Records by Land Use Class for Fiscal Year 2015 - 2016"

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>>

accessed October 27, 2015; and earlier reports; and reports as the Department of Finance.

**Table 6.06-- REAL PROPERTY TAX EXEMPTIONS FOR CEMETERIES, CHURCHES, HOSPITALS AND SCHOOLS, BY COUNTY: 2015 AND 2016**

[For fiscal year ending June 30]

Category	Cemeteries	Churches	Hospitals	Schools
2015				
Number				
State total	110	1,551	114	237
Honolulu	43	857	95	149
Maui	7	244	11	16
Hawaii	47	303	4	68
Kauai	13	147	4	4
Amount (\$1,000)				
State total	53,297	2,379,061	799,172	1,185,863
Honolulu	39,502	1,839,722	724,799	947,301
Maui	1,287	260,971	36,818	128,825
Hawaii	5,392	164,778	22,365	87,198
Kauai	7,116	113,591	15,190	22,539
2016				
Number				
State total	110	1,546	126	250
Honolulu	43	859	107	160
Maui	7	245	11	17
Hawaii	47	305	4	69
Kauai	13	137	4	4
Amount (\$1,000)				
State total	56,611	2,529,364	903,063	1,270,494
Honolulu	42,366	1,968,275	826,268	1,019,191
Maui	1,429	293,223	39,573	142,626
Hawaii	5,700	164,877	22,031	86,138
Kauai	7,116	102,989	15,190	22,539

Source: City and County of Honolulu, Department of Budget and Fiscal Services, Real Property Assessment Division, Real Property Tax Valuations, Tax Rates & Exemptions By Year, "Number and Amount of Exemption by Type and County for Fiscal Year 2015-2016"

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>>

accessed October 27, 2015.

**Table 6.07-- MAJOR LANDOWNERS, BY ISLAND, BY TYPE: 2013**

[In acres. As of January 2012 for Kauai County, June 2013 for Hawaii County and July 2013 for Maui and Honolulu counties]

Rank	Landowner	Total acres	Hawaii	Kahoolawe	Kauai	Lanai	Maui	Molokai	Niihau	Oahu
1	Gov't State including DHHL	1,565,538.0	1,091,826.4	28,536.8	155,517.6	541.1	153,985.2	49,098.4	127.1	85,905.5
	Gov't. - State (excluding DHHL)	1,367,607.5	974,565.2	28,536.8	136,025.9	512.7	122,647.7	23,978.9	127.1	81,213.1
	Gov't. - State Dept. of Hawaiian Home Lands (DHHL)	197,930.6	117,261.1	-	19,491.7	28.4	31,337.4	25,119.5	-	4,692.3
2	Govt. Federal	530,122.9	432,471.2	23.7	3,437.3	8.3	33,658.2	172.0	271.7	60,080.6
3	Kamehameha Schools	363,526.5	297,094.7	-	10,872.9	-	2,636.5	4,936.7	-	47,985.7
4	Parker Ranch	106,737.1	106,737.1	-	-	-	-	-	-	-
5	Lanai Resorts LLC	89,184.1	-	-	-	-	-	-	-	-
6	Alexander & Baldwin	88,763.3	13.6	-	21,016.1	-	67,711.2	-	-	22.4
7	Molokai Ranch	56,743.6	-	-	-	-	-	56,743.6	-	-
8	Robinson Family	50,614.3	-	-	50,614.3	-	-	-	-	-
9	Robinson Aylmer	46,040.6	-	-	-	-	-	-	46,040.6	-
10	Government - County 1/	34,142.1	6,633.3	-	873.0	229.2	7,677.8	257.9	-	18,470.8
11	Grove Farm	33,294.0	-	-	33,294.0	-	-	-	-	-
12	Castle & Cooke	30,141.9	233.0	-	-	-	-	-	-	29,908.9
13	Haleakala Ranch	29,199.9	-	-	-	-	29,199.9	-	-	-
14	Maui Land & Pine	23,042.1	-	-	-	-	23,042.1	-	-	-
15	Yee Hop	21,636.6	21,636.6	-	-	-	-	-	-	-
16	Ulupalakua Ranch	18,523.6	-	-	-	-	18,523.6	-	-	-
17	W.H. Shipman	16,804.8	16,804.8	-	-	-	-	-	-	-
18	Kahuku Aina Properties	16,423.3	16,423.3	-	-	-	-	-	-	-
19	McCandless Ranch	15,163.5	15,004.7	-	-	-	-	-	-	158.8
20	Finance Factors	13,240.3	13,232.4	-	-	-	7.6	0.3	-	-

1/ Maui County includes the islands of Maui, Molokai, Lanai, and Kahoolawe; and Kauai County includes Kauai and Niihau.

Source: Hawaii State Department of Business, Economic Development & Tourism, Office of Planning, GIS Program, Large Landowners, 2. Tables (Corrected October 4, 2013)" <[http://files.hawaii.gov/dbedt/op/gis/data/large\\_landowners\\_tables\\_2013\\_corrected.xls](http://files.hawaii.gov/dbedt/op/gis/data/large_landowners_tables_2013_corrected.xls)> accessed July 23, 2014.

**Table 6.08-- REAL PROPERTY OWNED BY OR LEASED TO THE FEDERAL GOVERNMENT: 2008 TO 2014**

[As of September 30. On February 4, 2004, President George W. Bush issued Executive Order 13327, which redefines federal real property to exclude, among other classifications, the national parks, and creates a Federal Real Property Council to oversee federal real property assets. The land acreages are comparable within the period ending in 2004 and then within the period beginning in 2007, but not between the two periods]

Subject	2008	2009	2010	2011	2012	2013	2014
Building area (1,000 sq. ft.)	47,900	59,300	50,600	49,749	49,590	47,342	47,653
Owned	46,500	45,600	49,000	48,879	48,754	46,337	46,723
Leased	700	12,900	800	870	836	1,005	930
Otherwise managed 1/	700	800	800	(NA)	(NA)	(NA)	(NA)
Federal Gov't land acreage	1,096,333	235,038	235,300	234,900	234,598	234,675	241,106
Owned	178,255	178,192	178,700	180,900	180,780	180,679	186,974
Leased	59,579	55,811	54,200	54,000	53,858	53,997	54,132
Otherwise managed 1/	858,499	1,035	2,400	(NA)	(NA)	(NA)	(NA)
Operating cost (\$1,000)	(NA)	(NA)	(NA)	(NA)	878,014	877,975	(NA)
Building	(NA)	(NA)	(NA)	(NA)	530,886	523,427	(NA)
Land	(NA)	(NA)	(NA)	(NA)	766	1,461	(NA)
Structure	(NA)	(NA)	(NA)	(NA)	346,363	353,087	(NA)

NA Not available.

1/ Indicates that a U.S. state government holds title to the real property asset, but rights for use have been granted to a Federal Government entity in a method other than a leasehold arrangement.

Source: U.S. General Services Administration, Federal Real Property Council (FRPC) *Real Property Statistics (FRPP)*; Federal Real Property Council (FRPC) *Summary Report (FRPP - Federal Real Property Profile)* (annual) <<http://www.gsa.gov/portal/content/102880>> accessed October 27, 2015.

**Table 6.09-- DEPARTMENT OF HAWAIIAN HOME LANDS  
HOMESTEAD LESSEES AND APPLICANTS, BY ISLAND: 2013 TO 2015**

[As of June 30. The Department of Hawaiian Home Lands administers land set aside for the benefit of qualified native Hawaiians, who are eligible to receive homestead leases and financial assistance from the Department]

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
2013							
Homestead leases 1/	9,850	2,525	1,418	29	845	4,289	744
Residential	8,342	1,714	1,278	29	396	4,228	697
Agricultural	1,100	506	65	-	422	61	46
Pastoral	408	305	75	-	27	-	1
Applications 1/	43,080	14,497	8,713	66	1,990	13,738	4,076
Residential	21,929	5,643	3,629	66	755	10,238	1,598
Agricultural	18,164	6,939	4,510	-	1,041	3,500	2,174
Pastoral	2,987	1,915	574	-	194	-	304
2014							
Homestead leases 1/	9,838	2,518	1,416	29	844	4,284	747
Residential	8,329	1,707	1,276	29	394	4,223	700
Agricultural	1,101	506	65	-	423	61	46
Pastoral	408	305	75	-	27	-	1
Applications 1/	43,795	14,686	8,838	72	2,013	14,055	4,131
Residential	22,335	5,718	3,686	72	763	10,480	1,616
Agricultural	18,437	7,039	4,562	-	1,055	3,575	2,206
Pastoral	3,023	1,929	590	-	195	-	309
2015							
Applications 1/	44,217	14,806	8,904	75	2,018	14,257	4,157
Residential	22,576	5,766	3,714	75	765	10,626	1,630
Agricultural	18,578	7,089	4,591	-	1,056	3,631	2,211
Pastoral	3,063	1,951	599	-	197	-	316

1/ Homestead lease activity for the month ending June 30. Residence, agriculture, or pasture. Since applicants may apply for two types of leases, duplications occur. For example, the Department estimates that as of June 30, 2014, 43,795 Statewide applications are held by some 27,341 applicants. Data are subject to audit.

Source: Hawaii State Department of Hawaiian Home Lands, *Annual Report* (annual)

<<http://dhh.hawaii.gov/icro/annual-reports/>> accessed June 20, 2015 and forthcoming revision; and

"As of June 30, 2015: Application Wait List Alpha A-K and Application Wait List Alpha L-Z"

<<http://dhh.hawaii.gov/applications/application-wait-list/>> accessed July 17, 2016.

**Table 6.10-- STATE PUBLIC AND SET-ASIDE LAND INVENTORY,  
BY COUNTY: JANUARY 10, 1999**

[In thousands of acres]

<b>Type of document</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
Public lands	397.9	19.5	296.9	38.0	43.5
General lease 1/ 2/	224.7	4.7	184.6	22.9	12.5
Revocable permit 1/ 3/	41.5	1.3	23.2	4.4	12.6
Unencumbered lands 4/	131.7	13.5	89.1	10.7	18.4
Lands set aside to other government agencies	758.0	42.9	525.1	96.6	93.4
Executive order 1/	255.9	13.7	199.9	23.9	18.4
Governor's proclamation	502.1	29.2	325.2	72.7	75.0

1/ Acreage may include overlapping encumbrances.

2/ Long-term leases. Mostly agricultural and pasture land. Includes land covered by water licenses not set aside to other government agencies.

3/ Month-to-month leases. Mostly agricultural and pasture land. Includes land licenses.

4/ Parcels with no documents and not in use.

Source: Hawaii State Department of Land and Natural Resources, Land Management Division, records.

## Section 7

# RECREATION AND TRAVEL

Statistics on tourism, recreation, sports, museums, parks, pets, and the performing arts appear in this section. Additional information on recreational and resort land use is given in Section 6; on transportation, in Section 18; and on hotels and hotel workers, in Sections 12, 13, 15 and 23.

Information on recreation and tourism is issued periodically by the Hawaii Tourism Authority's Tourism Research (particularly in its annual research reports) and the Hawaii State Department of Business, Economic Development and Tourism's Research and Economic Analysis Division, the State Parks Division of the Hawaii State Department of Land and Natural Resources, U.S. National Park Service, County park and recreation departments, and other organizations. Long-term trends are summarized in Historical Statistics of Hawaii, Section 11. National statistics are given in Section 26 of the *Statistical Abstract of the United States: 2012*.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#">07.01</a>	Passengers Arriving, by Point of Origin and Transit Status: 2006 to 2015
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**Table 7.01-- PASSENGERS ARRIVING, BY POINT OF ORIGIN AND TRANSIT STATUS: 2006 TO 2015**

[Domestic includes passengers from all flights originating from the mainland United States.  
International includes passengers from all flights originating from U.S. territories and other countries]

<b>Point of origin and status</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
All directions	9,049,713	9,011,455	8,034,872	7,718,206	8,258,740
Landing	8,937,555	8,910,672	8,021,780	7,709,202	8,255,465
Intransit	112,158	100,783	13,092	9,004	3,275
Domestic	6,793,781	6,810,847	6,009,005	5,751,759	6,086,335
Landing	6,772,702	6,791,906	6,005,133	5,748,379	6,083,060
Intransit	21,079	18,941	3,872	3,380	3,275
International	2,255,932	2,200,608	2,025,867	1,966,447	2,172,405
Landing	2,164,853	2,118,766	2,016,647	1,960,823	2,172,405
Intransit	91,079	81,842	9,220	5,624	-
<b>Point of origin and status</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
All directions	8,556,041	9,232,172	9,513,611	9,691,996	10,132,074
Landing	8,510,128	9,216,594	9,283,117	9,458,694	9,901,349
Intransit	45,913	15,578	230,494	233,302	230,725
Domestic	6,278,333	6,551,222	6,631,539	6,747,786	7,111,843
Landing	6,258,790	6,551,222	6,527,077	6,647,828	7,010,549
Intransit	19,543	-	104,462	99,958	101,294
International	2,277,708	2,680,950	2,882,072	2,944,210	3,020,231
Landing	2,251,338	2,665,372	2,756,040	2,810,866	2,890,800
Intransit	26,370	15,578	126,032	133,344	129,431

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.02-- PASSENGER STATUS OF PARTIES AND PASSENGERS  
ARRIVING IN HAWAII, BY POINT OF ORIGIN: 2013 TO 2015**

[Domestic includes passengers from all flights originating from the mainland United States.  
International includes passengers from all flights originating from U.S. territories  
and other countries]

<b>Year and point of origin</b>	<b>All types</b>	<b>Visitors to Hawaii</b>	<b>Returning residents</b>	<b>Intended residents</b>
<b>PARTIES 1/</b>				
2013, total	(NA)	3,705,213	549,654	(NA)
Domestic	3,183,430	2,670,556	491,605	21,269
International	(NA)	1,034,657	58,049	(NA)
2014, total 2/	(NA)	3,790,398	512,941	(NA)
Domestic 2/	3,182,192	2,683,930	478,040	20,222
International 2/	(NA)	1,106,469	34,901	(NA)
2015, total	(NA)	3,909,146	548,138	(NA)
Domestic	3,329,390	2,799,831	508,849	20,710
International	(NA)	1,109,315	39,289	(NA)
<b>PASSENGERS 3/</b>				
2013, total	9,513,611	8,003,474	1,239,061	(NA)
Domestic	6,631,539	5,405,300	1,081,195	40,583
International	2,882,072	2,598,174	157,866	(NA)
2014, total 2/	9,691,996	8,196,342	1,220,813	(NA)
Domestic 2/	6,747,786	5,486,059	1,120,230	41,539
International	2,944,210	2,710,283	100,583	(NA)
2015, total	10,132,074	8,563,018	1,294,904	(NA)
Domestic	7,111,843	5,782,140	1,184,982	43,428
International	3,020,231	2,780,878	109,922	(NA)

NA Not available.

1/ Not surveyed for intransit passengers.

2/ Revised from previous *Data Book*.

3/ Since passenger totals include intransit passengers and intransit passengers are not surveyed, total passengers may not equal to the sum of the components.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.03-- VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS:  
1966 TO 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

Year	Visitors staying overnight or longer			Average number of visitors present per day		
	Total	Domestic	International	Total	Domestic	International
1966	834,732	629,564	205,168	20,900	19,271	1,629
1967	1,124,012	828,849	295,163	27,610	24,898	2,712
1968	1,313,706	952,821	360,885	32,314	28,784	3,530
1969	1,526,074	1,121,714	404,360	37,175	33,088	4,087
1970	1,745,904	1,273,639	472,265	36,920	32,028	4,892
1971	1,817,941	1,363,081	454,860	40,866	36,504	4,362
1972	2,233,627	1,682,285	551,342	49,987	45,098	4,889
1973	2,622,376	1,942,714	679,662	59,450	53,407	6,043
1974	2,804,394	2,036,203	768,191	63,772	56,939	6,833
1975	2,818,082	2,028,068	790,014	66,146	59,495	6,651
1976	3,213,249	2,327,399	885,850	75,426	68,225	7,201
1977	3,413,095	2,508,472	904,623	82,737	75,684	7,053
1978	3,676,967	2,766,012	910,955	92,114	85,028	7,086
1979	3,966,192	2,888,521	1,077,671	98,745	89,678	9,067
1980	3,928,789	2,793,101	1,135,688	96,406	86,788	9,618
1981	3,928,906	2,778,566	1,150,340	95,874	85,449	10,425
1982	4,227,733	3,072,543	1,155,189	105,075	94,740	10,335
1983	4,356,317	3,219,219	1,137,098	107,860	97,390	10,470
1984	4,827,884	3,499,419	1,328,466	118,252	106,260	11,992
1985	4,843,414	3,522,126	1,321,288	116,107	103,820	12,287
1986	5,569,067	4,063,928	1,505,138	132,355	118,110	14,245
1987	5,770,585	4,040,204	1,730,381	133,835	116,780	17,055
1988	6,101,483	4,041,878	2,059,605	140,798	115,760	25,038
1989	6,488,422	4,339,507	2,148,915	165,058	135,480	29,578
1990	6,723,531	4,315,161	2,408,370	154,516	113,066	41,450
1991	6,518,460	4,068,508	2,449,952	147,323	105,686	41,637
1992	6,473,669	3,791,945	2,681,724	152,249	106,589	45,660
1993	6,070,995	3,570,059	2,500,936	147,498	100,430	47,068
1994	6,364,674	3,813,279	2,551,395	156,630	107,904	48,726
1995	6,546,759	3,743,474	2,803,285	157,098	105,649	51,450

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**Table 7.03-- VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS:  
1966 TO 2015 -- Con.**

Year	Visitors staying overnight or longer			Average number of visitors present per day		
	Total	Domestic	International	Total	Domestic	International
1996	6,723,141	3,794,113	2,929,028	158,297	106,404	51,892
1997	6,761,135	3,890,798	2,870,337	157,187	108,019	49,168
1998	6,595,790	4,014,140	2,581,650	157,388	112,068	45,320
1999	6,741,037	4,255,621	2,485,416	164,439	117,998	46,441
2000	6,948,595	4,446,936	2,501,659	168,637	123,441	45,196
2001	6,303,791	4,224,321	2,079,470	158,247	118,106	40,141
2002	6,389,058	4,358,850	2,030,208	160,195	121,030	39,165
2003	6,380,439	4,531,289	1,849,150	161,048	123,389	37,659
2004	6,912,094	4,892,960	2,019,134	171,481	132,355	39,126
2005	7,416,574	5,313,281	2,103,293	185,445	144,396	41,049
2006	7,528,106	5,550,125	1,977,981	189,441	149,545	39,895
2007	7,496,820	5,582,530	1,914,290	189,412	150,960	38,452
2008	6,713,436	4,901,893	1,811,543	172,487	135,239	37,248
2009	6,420,448	4,672,001	1,748,447	165,082	129,100	35,983
2010	6,916,894	4,957,352	1,959,542	177,949	136,407	41,542
2011	7,174,397	5,127,291	2,047,106	185,824	142,027	43,797
2012	7,867,143	5,403,025	2,464,118	201,267	148,887	52,380
2013	8,003,474	5,405,300	2,598,174	202,876	149,213	53,663
2014 1/	8,196,342	5,486,059	2,710,283	206,217	151,076	55,141
2015	8,563,018	5,782,140	2,780,878	213,934	156,026	57,908

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.04-- OVERNIGHT AND LONGER VISITORS TO HAWAII:  
2014 AND 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

Resides in Major Market Areas (MMA) 1/	2014 2/			2015		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
All visitors	8,196,342	5,486,059	2,710,283	8,563,018	5,782,140	2,780,878
US West MMA 3/	3,255,475	3,156,558	98,917	3,507,652	3,410,437	97,215
US East MMA 4/	1,713,085	1,631,301	81,784	1,803,670	1,706,781	96,889
Japan MMA	1,511,739	10,044	1,501,695	1,482,304	9,618	1,472,686
Canada MMA	522,761	201,729	321,032	512,323	163,277	349,046
Other Asia MMA 5/	368,110	63,843	304,267	393,833	66,211	327,622
China	159,718	46,576	113,142	173,520	50,682	122,838
Hong Kong	5,268	2,980	2,288	4,437	2,681	1,756
Korea	178,118	10,544	167,574	193,658	9,447	184,211
Singapore	4,567	1,346	3,221	4,693	1,518	3,175
Taiwan	20,440	2,398	18,042	17,525	1,883	15,642
Oceania MMA 6/	371,367	79,694	291,673	399,619	73,638	325,981
Australia	310,095	67,131	242,964	335,842	61,491	274,351
New Zealand	61,272	12,563	48,709	63,777	12,147	51,630
Europe MMA 7/	142,366	117,309	25,057	145,019	116,098	28,921
United Kingdom	48,500	40,454	8,046	51,073	41,495	9,578
France	21,932	12,830	9,102	21,620	12,689	8,931
Germany	43,752	38,907	4,845	43,788	37,623	6,165
Italy	11,613	10,550	1,063	11,448	9,859	1,589
Switzerland	16,569	14,568	2,001	17,089	14,431	2,658
Latin America MMA 8/	29,800	28,525	1,275	27,978	25,980	1,998
Argentina	5,216	5,117	99	5,042	4,717	325
Brazil	14,538	13,848	690	12,959	12,122	837
Mexico	10,047	9,561	486	9,977	9,141	836
Other MMA 9/	281,639	197,056	84,583	290,621	210,101	80,520

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**Table 7.04-- OVERNIGHT AND LONGER VISITORS TO HAWAII:  
2014 AND 2015 -- Con.**

- 1/ MMA's are geographical areas defined by the Hawaii Tourism Authority for marketing purposes.
- 2/ Revised from previous *Data Book*.
- 3/ Pacific and Mountain States of the United States.
- 4/ All other States in the continental United States not included in U.S. West.
- 5/ Includes China, Hong Kong, Korea (South), Singapore, and Taiwan.
- 6/ Includes Australia and New Zealand.
- 7/ Includes United Kingdom, Germany, France, Italy, and Switzerland.
- 8/ Includes Argentina, Brazil, and Mexico.
- 9/ Includes all countries and districts not listed in other MMAs, including Guam, Puerto Rico, U.S. Virgin Islands, and other U.S. territories.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.05-- VISITOR DAYS, BY POINT OF ORIGIN: 1993 TO 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

<b>Year</b>	<b>Total</b>	<b>Domestic</b>	<b>International</b>
1993	53,836,611	36,656,820	17,179,791
1994	57,169,825	39,384,934	17,784,891
1995	57,340,911	38,561,739	18,779,172
1996	57,936,622	38,944,059	18,992,563
1997	57,373,493	39,427,198	17,946,295
1998	57,446,913	40,904,938	16,541,975
1999	60,020,237	43,069,177	16,951,060
2000	61,721,150	45,179,587	16,541,563
2001	57,760,242	43,108,798	14,651,444
2002	58,471,088	44,175,694	14,295,394
2003	58,782,699	45,036,982	13,745,717
2004	62,761,989	48,441,764	14,320,225
2005	67,687,479	52,704,668	14,982,811
2006	69,145,854	54,584,048	14,561,806
2007	69,135,310	55,100,441	14,034,869
2008	63,130,133	49,497,350	13,632,783
2009	60,255,061	47,121,337	13,133,724
2010	64,951,433	49,788,583	15,162,850
2011	67,825,871	51,839,799	15,986,073
2012	73,663,903	54,492,680	19,171,224
2013	74,049,772	54,462,717	19,587,054
2014 1/	75,269,197	55,142,678	20,126,519
2015	78,086,081	56,949,633	21,136,447

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.06-- AVERAGE DAILY VISITOR CENSUS, BY COUNTY AND ISLAND:  
2014 AND 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

County or island	2014 1/			2015		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total	206,217	151,076	55,141	213,934	156,026	57,908
Oahu	96,440	56,369	40,071	99,782	57,638	42,144
Hawaii	30,172	25,448	4,724	31,408	26,794	4,614
Kauai	23,617	21,725	1,892	24,533	22,419	2,114
Maui County	55,988	47,534	8,454	58,211	49,174	9,037
Maui	54,610	46,299	8,310	56,981	48,089	8,893
Molokai	760	687	73	784	699	84
Lanai	619	548	71	446	386	60

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.07-- VISITOR ARRIVALS, DOMESTIC AND INTERNATIONAL, BY AREA VISITED: 2014 AND 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

Area visited	2014 1/			2015		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total 2/	8,196,342	5,486,059	2,710,283	8,563,018	5,782,140	2,780,878
Oahu	5,192,621	2,779,642	2,412,978	5,339,912	2,868,749	2,471,163
Kauai	1,119,973	988,312	131,661	1,173,752	1,028,294	145,458
Maui County 2/	2,456,935	2,011,878	445,057	2,579,311	2,115,934	463,377
Maui	2,417,417	1,977,718	439,700	2,540,162	2,083,999	456,163
Molokai	60,100	47,737	12,363	64,767	49,843	14,924
Lanai	68,150	54,852	13,298	58,390	44,334	14,057
Hawaii County 2/	1,454,684	1,084,443	370,241	1,514,973	1,154,201	360,772
Hilo	534,900	373,932	160,968	551,764	389,408	162,356
Kona	1,222,971	939,176	283,795	1,288,021	1,003,389	284,632
One island only	6,647,794	4,451,252	2,196,541	7,008,566	4,743,052	2,265,514
Oahu only	3,891,557	1,968,176	1,923,381	4,038,993	2,061,135	1,977,858

1/ Revised from previous *Data Book*.

2/ Because many visitors planned to visit more than one area, detail sums to more than the totals and subtotals shown here.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.08-- SUMMARY CHARACTERISTICS OF OVERNIGHT AND LONGER VISITORS, BY POINT OF ORIGIN: 2014 AND 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

Subject	Total	Domestic	International
2014 1/			
Residence (percent)			
United States	60.6	87.3	6.7
Pacific and Mountain States	39.7	57.5	3.6
California	22.9	33.3	1.7
Average age	44.9	46.6	42.3
Persons per party	2.16	2.04	2.45
Number of trips to Hawaii	4.98	5.77	3.39
Repeat visitors (percent)	64.8	70.7	52.7
Pleasure trip (percent)	83.4	82.2	85.9
In hotel only (percent)	55.8	45.8	76.1
One island only	81.1	81.1	81.0
2015			
Residence (percent)			
United States	62.0	88.5	7.0
Pacific and Mountain States	41.0	59.0	3.5
California	23.8	34.4	1.9
Average age	45.2	46.4	43.0
Persons per party	2.19	2.07	2.51
Number of trips to Hawaii	5.07	5.81	3.52
Repeat visitors (percent)	65.6	71.1	54.1
Pleasure trip (percent)	83.1	82.4	84.8
In hotel only (percent)	54.4	45.5	72.8
One island only	81.8	82.0	81.5

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.09-- DOMESTIC VISITORS, BY STATE AND REGION:  
2014 AND 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States]

Residence	2014 1/	2015
United States	4,787,858	5,117,218
Pacific	2,567,685	2,769,433
Alaska	74,718	79,812
California	1,829,346	1,987,085
Oregon	200,957	212,730
Washington	462,664	489,806
Mountain	588,873	641,004
Arizona	160,896	166,966
Colorado	136,930	148,652
Idaho	44,441	46,744
Montana	24,869	25,633
Nevada	89,330	95,280
New Mexico	24,485	25,200
Utah	97,991	122,793
Wyoming	9,932	9,734
West North Central	197,983	203,733
Iowa	25,595	25,489
Kansas	23,981	24,891
Minnesota	71,516	75,412
Missouri	42,698	44,378
Nebraska	16,663	17,375
North Dakota	9,305	8,149
South Dakota	8,225	8,040
West South Central	297,274	314,922
Arkansas	12,606	13,168
Louisiana	17,980	18,876
Oklahoma	26,046	26,847
Texas	240,642	256,030
East North Central	333,644	349,602
Illinois	125,188	133,442
Indiana	38,805	39,851
Michigan	60,928	64,979
Ohio	64,387	65,863
Wisconsin	44,335	45,467

Continued on next page.

**Table 7.09-- DOMESTIC VISITORS, BY STATE AND REGION:  
2014 AND 2015 -- Con.**

Residence	2014 1/	2015
East South Central	73,722	78,607
Alabama	17,568	18,419
Kentucky	17,750	18,519
Mississippi	7,777	8,177
Tennessee	30,627	33,492
New England	104,931	106,903
Connecticut	24,399	24,539
Maine	7,409	7,605
Massachusetts	52,921	53,975
New Hampshire	9,349	9,543
Rhode Island	6,051	6,057
Vermont	4,802	5,185
Middle Atlantic	259,092	266,373
New Jersey	68,938	70,002
New York	123,451	126,932
Pennsylvania	66,703	69,438
South Atlantic	364,654	386,641
Delaware	5,069	5,670
Washington, D.C.	9,253	9,871
Florida	99,315	107,362
Georgia	56,531	59,702
Maryland	46,598	48,906
North Carolina	45,697	48,519
South Carolina	20,199	20,931
Virginia	76,639	80,040
West Virginia	5,353	5,640

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.10-- TRIP CHARACTERISTICS OF VISITORS, BY POINT OF ORIGIN: 2014 AND 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

Subject	Domestic		International	
	2014 1/	2015	2014 1/	2015
All visitors 2/	5,486,059	5,782,140	2,710,283	2,780,878
Purpose of visit 2/				
Pleasure (net)	4,510,388	4,762,556	2,327,651	2,357,505
Vacation	4,274,486	4,541,287	1,941,493	1,994,776
Honeymoon	249,757	228,711	382,357	359,525
Wedding	66,870	55,991	52,231	53,930
Meetings, conventions, incentive 2/	327,896	322,721	132,355	176,050
Convention/conference	201,393	198,049	47,612	65,507
Corporate meeting	77,105	71,360	11,591	10,404
Incentive	69,453	67,181	74,777	103,907
Other business	248,612	239,163	21,233	17,934
Visit friends or relatives	602,937	638,926	74,911	78,485
Government or military	78,077	78,121	9,226	12,392
Attend school	22,680	16,451	7,331	11,186
Sport event	71,577	57,937	34,717	32,540
Traveler method				
Group tour	194,895	191,485	487,595	473,533
Package	1,170,224	1,189,600	1,590,356	1,486,756
Group tour and package	131,060	128,584	432,295	402,213
True independent	4,252,000	4,529,639	1,064,627	1,222,802
Accommodations				
Hotel	3,013,359	3,138,003	2,202,653	2,184,567
Hotel only	2,512,933	2,633,121	2,062,870	2,023,344
Condo	1,080,226	1,102,907	355,053	402,861
Condo only	843,156	871,308	274,040	308,805
Timeshare	647,519	662,035	113,240	145,909
Timeshare only	496,760	515,224	86,068	111,132
Rental house	483,904	548,826	69,923	87,020
Hostel	45,459	42,955	16,952	20,792
Camp Site	42,081	42,247	7,732	10,163
Bed & breakfast	67,419	72,821	15,617	22,988
Cruise ship	113,311	112,068	24,454	25,997
Friends, relatives	632,344	679,457	77,946	84,508

1/ Revised from previous *Data Book*.

2/ Because of multiple responses, detail may add to more than the indicated total.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.11-- ACTIVITY PARTICIPATION BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2014**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. Percent of visitors. Percentages sum to more than 100 percent due to multiple island visitation and multiple activities participated in by visitors]

Activity	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Sightseeing	94.2	92.6	97.3	88.7
Self-guided / drive around island	85.3	84.7	86.4	58.7
Helicopter / airplane tour	9.0	6.1	14.4	1.9
Boat / submarine tour, whale watching	26.4	23.8	31.2	11.8
Visit communities	29.9	28.4	32.6	22.2
Limo, van/bus tour	12.2	8.3	19.4	35.7
Scenic views / natural landmarks	63.6	59.6	70.9	27.2
Movie / TV film location	4.6	3.5	6.5	4.5
Recreation	94.3	94.2	94.6	83.2
Beach / sunbathing / swimming	86.1	86.2	85.9	66.4
Surfing / bodyboarding / paddleboarding	24.4	26.5	20.3	7.6
Canoeing / kayaking	10.1	10.1	10.1	2.9
Snorkeling / scuba diving	45.0	47.2	40.8	18.4
Jet skiing / parasailing / windsurfing	3.1	3.2	2.8	3.8
Golf	9.2	9.2	9.1	7.9
Running / jogging / fitness walking	37.6	37.7	37.4	19.8
Spa	11.0	10.4	12.1	6.6
Backpacking / hiking / camping	23.2	21.6	26.2	6.8
Agritourism	10.2	8.8	12.9	4.0
Sports event / tournament	3.2	3.6	2.5	2.3
State parks / botanical gardens	45.1	40.7	53.3	12.5
Entertainment	98.3	98.4	97.9	94.7
Lunch / sunset / dinner / evening cruise	25.3	23.2	29.3	58.4
Live music / stage show	32.3	28.0	40.5	21.4
Nightclub / dancing / bar / karaoke	11.6	11.3	12.1	4.3
Fine dining	60.2	58.1	64.1	37.2
Family restaurant / diner	72.9	74.0	70.8	33.3
Fast food	39.3	38.3	41.2	51.3
Cafe / coffee house	43.6	45.3	40.4	50.1
Ethnic dining	31.4	31.0	32.3	9.5
Prepared own meal	53.7	58.5	44.5	15.2

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**Table 7.11-- ACTIVITY PARTICIPATION BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2014 -- Con.**

Activity	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Shopping	96.3	96.0	96.9	98.2
Mall / department stores	49.5	48.8	50.9	85.6
Designer boutiques	25.7	24.6	27.7	38.9
Hotel stores	36.7	34.4	40.9	44.6
Swap meet / flea market	22.1	21.0	24.1	12.9
Discount / outlet stores	21.4	20.8	22.6	32.6
Supermarkets	62.3	65.6	56.1	61.3
Farmers market	29.8	31.3	27.0	19.8
Convenience stores	46.7	46.1	47.9	67.0
Duty Free stores	3.3	2.9	3.9	54.6
Local shops / artisans	65.8	64.7	67.7	20.5
Culture	69.6	64.2	79.8	44.3
Historic military site	28.4	21.5	41.5	11.4
Other historic site	28.6	26.3	32.9	11.3
Museum / art gallery	20.5	20.3	20.8	6.6
Luau	30.3	23.9	42.2	3.0
Polynesian show / hula	21.7	18.2	28.3	23.7
Lessons: hula / canoeing	3.6	3.0	4.9	3.5
Ukulele lessons	1.7	1.7	1.8	1.0
Play / concert / theatre	4.2	3.8	5.0	2.2
Art / craft fair	11.8	11.9	11.6	0.9
Festivals	3.0	2.7	3.6	2.4
Transportation	92.0	91.7	92.6	97.8
Airport shuttle	31.4	30.4	33.2	33.0
Trolley	4.6	3.8	5.9	56.8
Public bus	9.2	8.4	10.8	20.0
Tour bus / tour van	15.0	10.7	23.1	47.3
Meeting	7.9	7.6	8.4	1.4
Convention	4.3	3.4	5.9	1.8

1/ Pacific and Mountain States of the United States.

2/ All other states in the Continental United States not included in U.S. West.

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*  
 <<http://www.hawaiitourismauthority.org/default/assets/File/reports/visitor-satisfaction/2014%20VSAT%20Companion%20Tables.xlsx>> accessed June 27, 2016.

**Table 7.12-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. TOTAL: 2014**

[Covers visitors from United States staying overnight or longer. Percent of visitors]

<b>Category</b>	<b>Excellent</b>	<b>Above average</b>	<b>Below average</b>	<b>Poor</b>
Total	82.3	15.8	1.7	0.2
Lifestyle / lifestage segments				
Wedding / honeymoon	88.7	11.2	0.1	0.0
Family	84.6	14.1	1.2	0.1
Young	86.1	12.0	1.8	0.1
Middle age	78.6	18.4	2.6	0.3
Seniors	81.1	17.1	1.5	0.3
Visitation status				
First timers	83.1	14.9	1.9	0.1
Repeat visitors	82.0	16.2	1.6	0.2

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*  
 <<http://www.hawaiitourismauthority.org/default/assets/File/reports/visitor-satisfaction/2014%20VSAT%20Companion%20Tables.xlsx>> accessed June 27, 2016.

**Table 7.13-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. WEST: 2014**

[Covers visitors from Pacific and Mountain States of the United States staying overnight or longer. Percent of visitors]

<b>Category</b>	<b>Excellent</b>	<b>Above average</b>	<b>Below average</b>	<b>Poor</b>
Total	81.6	16.7	1.5	0.3
Lifestyle / lifestage segments				
Wedding / honeymoon	82.8	17.1	0.1	0.0
Family	83.7	15.0	1.2	0.1
Young	85.8	12.4	1.8	0.0
Middle age	79.1	17.9	2.5	0.5
Seniors	79.8	18.3	1.5	0.4
Visitation status				
First timers	82.0	16.2	1.6	0.2
Repeat visitors	81.5	16.8	1.5	0.3

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*  
 <<http://www.hawaiitourismauthority.org/default/assets/File/reports/visitor-satisfaction/2014%20VSAT%20Companion%20Tables.xlsx>> accessed June 27, 2016.

**Table 7.14-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. EAST: 2014**

[Covers visitors from all other states in the continental United States not included in U.S. West staying overnight or longer. Percent of visitors]

<b>Category</b>	<b>Excellent</b>	<b>Above average</b>	<b>Below average</b>	<b>Poor</b>
Total	83.8	14.2	2.0	0.0
Lifestyle / lifestage segments				
Wedding / honeymoon	94.8	5.2	0.0	0.0
Family	86.9	11.8	1.3	0.0
Young	86.6	11.3	2.0	0.1
Middle age	77.6	19.5	2.8	0.1
Seniors	83.2	15.1	1.6	0.0
Visitation status				
First timers	84.1	13.7	2.1	0.1
Repeat visitors	83.6	14.6	1.8	0.0

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*  
 <<http://www.hawaiitourismauthority.org/default/assets/File/reports/visitor-satisfaction/2014%20VSAT%20Companion%20Tables.xlsx>> accessed June 27, 2016.

**Table 7.15-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM JAPAN: 2014**

[Visitors staying overnight or longer. Percent of visitors]

<b>Category</b>	<b>Excellent</b>	<b>Above average</b>	<b>Below average</b>	<b>Poor</b>
Total	68.8	29.6	1.3	0.2
Lifestyle / lifestage segments				
Wedding / honeymoon	81.8	17.3	0.3	0.6
Family	68.4	30.7	0.7	0.2
Young	75.0	24.1	0.9	0.0
Middle age	70.4	28.6	0.9	0.0
Seniors	61.4	36.0	2.3	0.2
Visitation status				
First timers	70.9	27.4	1.5	0.3
Repeat visitors	67.5	31.1	1.2	0.1

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*  
 <<http://www.hawaiitourismauthority.org/default/assets/File/reports/visitor-satisfaction/2014%20VSAT%20Companion%20Tables.xlsx>> accessed June 27, 2016.

**Table 7.16-- OVERALL ISLAND EXPERIENCE BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2014**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. Percent of visitors]

Criterion by island	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Oahu				
Excellent	54.0	51.4	57.5	56.2
Above average	39.9	42.8	35.9	41.7
Below average	5.1	5.0	5.3	2.0
Poor	1.0	0.8	1.3	0.2
Maui				
Excellent	69.5	66.6	74.5	57.4
Above average	28.7	31.7	23.5	39.5
Below average	1.6	1.6	1.8	3.2
Poor	0.2	0.1	0.3	0.0
Molokai				
Excellent	61.3	56.5	68.6	20.4
Above average	30.9	32.0	29.2	62.2
Below average	7.5	11.3	1.8	17.4
Poor	0.4	0.3	0.4	0.0
Lanai				
Excellent	60.4	62.7	56.9	26.4
Above average	34.9	36.5	32.4	63.0
Below average	2.9	0.6	6.3	10.5
Poor	1.9	0.2	4.4	0.0
Big Island				
Excellent	60.9	60.7	61.2	61.2
Above average	36.8	36.7	36.8	34.4
Below average	2.1	2.3	1.9	3.4
Poor	0.2	0.3	0.0	1.0
Kauai				
Excellent	72.0	69.1	76.7	47.6
Above average	26.1	28.9	21.7	45.3
Below average	1.7	1.7	1.6	7.0
Poor	0.2	0.3	0.0	0.0

1/ Pacific and Mountain States of the United States.

2/ All other states in the Continental United States not included in U.S. West.

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*

<<http://www.hawaiitourismauthority.org/default/assets/File/reports/visitor-satisfaction/2014%20VSAT%20Companion%20Tables.xlsx>> accessed June 27, 2016.

**Table 7.17-- SOURCES OF INFORMATION FOR TRIP PLANNING BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2014**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. Percent of visitors. Percentages do not sum to 100 percent due to multiple sources used]

Information source	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Personal experience	64.2	68.6	56.0	38.2
Recommendations from friends or relatives	54.0	51.3	58.9	33.2
Information from hotels or resorts	48.6	45.7	54.0	33.3
Online travel booking site	40.2	40.6	39.5	35.1
Online webpage or blog covering Hawaii	35.0	32.1	40.3	46.4
Information from airline / commercial carriers	41.2	40.6	42.3	24.2
Books	25.5	23.6	28.8	46.8
Travel agents	16.7	12.5	24.5	62.0
Magazines	19.4	18.8	20.4	57.1
Companies specializing in packaged tours	20.0	17.4	24.8	30.6
Smartphone or tablet applications relevant to your trip	24.1	23.4	25.5	19.8
Hawaii visitor bureaus website	18.1	15.2	23.4	18.0
Online social networking site	9.8	9.1	10.9	7.5
Newspapers	8.1	7.9	8.5	4.9

1/ Pacific and Mountain States of the United States.

2/ All other states in the Continental United States not included in U.S. West.

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*  
 <<http://www.hawaii tourism authority.org/default/assets/File/reports/visitor-satisfaction/2014%20VSAT%20Companion%20Tables.xlsx>> accessed June 27, 2016.

**Table 7.18-- INTERNET USAGE FOR TRIP PLANNING BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2014**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. Percent of respondents who used the internet. Percentages do not sum to 100 percent due to multiple sources used]

How the internet was used	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Making airline reservations	80.7	83.9	74.8	31.1
Choosing an airline	76.7	79.9	70.6	34.7
Airport check-in	68.2	69.7	65.2	33.8
Making hotel or other lodging reservations	63.6	64.5	61.9	30.7
Checking the weather	54.3	53.1	56.4	54.0
Planning activities	57.6	55.8	61.0	41.2
Making car rental reservations	64.5	67.3	59.1	18.6
Finding restaurants	50.0	48.1	53.7	55.6
Estimating the costs of your trip	54.5	53.6	56.0	22.9
Deciding on vacation destination	47.6	47.7	47.4	36.8
Accessing maps and directions, GPS	43.1	41.7	45.5	43.3
Finding places to shop	34.4	31.9	38.9	52.4
Purchasing any tour or attraction package	33.9	30.8	39.9	31.1
Other	1.1	1.1	1.0	1.9

1/ Pacific and Mountain States of the United States.

2/ All other states in the Continental United States not included in U.S. West.

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*

<<http://www.hawaii-tourism-authority.org/default/assets/File/reports/visitor-satisfaction/2014%20VSAT%20Companion%20Tables.xlsx>> accessed June 27, 2016.

**Table 7.19-- SAFETY ISSUES AND OTHER NUISANCE ENCOUNTERED BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2013 AND 2014**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. Percent of visitors. Percentages do not sum to 100 percent due to multiple answers selected]

	U.S. total	U.S. West 1/	U.S. East 2/	Japan
2013				
No problems	47.4	49.0	44.5	50.1
Safety issues				
Drug dealers	1.9	2.0	1.7	0.8
Verbal harassment	2.3	2.5	2.1	1.3
Car vandalized	0.7	0.6	1.0	0.4
Wallet stolen	0.9	1.0	0.8	1.5
Solicited by prostitutes	1.0	1.2	0.7	0.9
Violence	0.4	0.6	0.1	0.3
Room vandalized	0.2	0.2	0.1	0.4
Other nuisance				
Seeing homeless	43.7	41.1	48.7	42.8
Severe weather / natural calamities	10.1	10.3	9.9	5.2
Other negative	10.6	11.0	10.0	6.0
Service problems	2.8	2.5	3.4	6.5
Parking ticket	1.3	1.6	0.8	3.1
2014				
No problems	46.6	48.5	43.3	44.9
Safety issues				
Drug dealers	1.4	1.3	1.6	0.7
Verbal harassment	2.0	2.3	1.5	1.4
Car vandalized	0.6	0.7	0.5	0.4
Wallet stolen	0.9	0.8	1.0	1.6
Solicited by prostitutes	0.8	0.7	1.0	0.4
Violence	0.3	0.3	0.2	0.3
Room vandalized	0.3	0.3	0.2	0.2
Other nuisance				
Seeing homeless	45.6	42.1	52.0	48.0
Severe weather / natural calamities	12.4	12.9	11.4	8.2
Other negative	9.8	10.2	9.2	6.7
Service problems	2.9	3.2	2.4	6.7
Parking ticket	1.5	1.6	1.2	3.0

1/ Pacific and Mountain States of the United States.

2/ All other states in the Continental United States not included in U.S. West.

Source: Hawaii Tourism Authority, Tourism Research, *2013 Visitor Satisfaction and Activity Report*, and *2014 Visitor Satisfaction and Activity Report*

<<http://www.hawaiitourismauthority.org/research/reports/visitor-satisfaction/>> accessed June 27, 2016.

**Table 7.20-- VISITOR PROFILE AND TRIP CHARACTERISTICS OF VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2014**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. Percent of visitor respondents]

Characteristic	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Visitation status				
First timers	26.5	18.8	41.2	41.5
Repeat visitors	73.5	81.2	58.8	58.5
Gender				
Male	49.1	47.9	51.6	48.9
Female	50.9	52.1	48.4	51.1
Age				
Median (years)	53.0	53.0	54.0	49.0
Lifestyle / lifestage segments				
Wedding / honeymoon	5.0	3.9	7.1	13.2
Family	24.3	27.0	19.1	15.4
Young	10.1	10.1	10.1	12.3
Middle age	22.8	22.6	23.2	23.1
Seniors	37.8	36.4	40.5	36.0
Primary purpose of trip				
Vacation	62.4	64.4	58.5	64.1
Business meeting / conduct business	6.4	6.2	6.7	1.0
Convention / conference / seminar	2.3	1.7	3.6	0.7
Incentive / reward	0.9	0.6	1.6	1.0
Visit friends / relatives	10.2	9.6	11.4	1.5
Get married	0.5	0.6	0.5	2.5
Attend / participate in wedding	3.3	3.7	2.5	10.9
Honeymoon	2.8	1.9	4.5	9.4
Anniversary / birthday	4.1	3.4	5.5	1.7
Cultural / historical / musical event	0.3	0.2	0.5	0.7
Sports event	0.9	1.1	0.5	2.0
Medical treatment	0.0	0.1	0.0	0.0
Shopping / fashion	0.1	0.1	0.1	1.5
Education / visit schools	0.2	0.1	0.3	0.2
Family gathering / reunion	2.2	2.6	1.4	1.1
Real estate purchase / viewing	0.4	0.5	0.3	0.1
Other	2.9	3.3	2.2	1.5

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**Table 7.20-- VISITOR PROFILE AND TRIP CHARACTERISTICS OF VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2014 -- Con.**

Characteristic	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Highest level of school				
Some high school	0.5	0.5	0.5	1.4
High school grad	5.3	4.1	7.4	26.9
Some college	13.9	15.2	11.5	5.8
Vocational / technical	3.2	3.4	2.7	9.7
2-year degree	7.8	8.1	7.2	10.0
4-year degree	36.3	36.9	35.3	41.4
Post grad degree	33.0	31.7	35.5	4.8
Employment status				
Self-employed	17.3	18.7	14.6	12.3
Employed, working for someone else	53.5	52.3	55.9	40.7
Retired	22.8	22.3	23.7	11.7
Student	1.6	1.5	1.6	9.7
Homemaker	3.6	3.9	3.2	18.1
Other	1.2	1.3	1.0	7.5
Visitors income				
Up to \$40,000	6.4	6.9	5.4	15.7
\$40,000 to \$49,999	3.6	3.5	3.7	12.3
\$50,000 to \$59,999	4.4	4.5	4.2	10.9
\$60,000 to \$69,999	5.1	4.7	5.9	10.0
\$70,000 to \$79,999	6.7	6.6	6.9	9.0
\$80,000 to \$89,999	6.4	6.3	6.6	8.1
\$90,000 to \$99,999	6.7	6.9	6.2	10.5
\$100,000 to \$124,999	14.8	14.3	15.7	22.2
\$125,000 to \$149,999	10.3	10.2	10.5	0.5
\$150,000 to \$174,999	8.2	8.6	7.4	0.3
\$175,000 to \$199,999	5.3	5.7	4.6	0.2
\$200,000 to \$249,999	7.4	7.5	7.1	0.1
\$250,000 or more	14.8	14.4	15.7	0.1

1/ Pacific and Mountain States of the United States.

2/ All other states in the Continental United States not included in U.S. West.

Source: Hawaii Tourism Authority, Tourism Research, *2014 Visitor Satisfaction and Activity Report*  
 <<http://www.hawaii-tourismauthority.org/research/reports/visitor-satisfaction/>> accessed June 27, 2016.

**Table 7.21-- LENGTH OF STAY OF VISITORS STAYING OVERNIGHT OR LONGER, BY POINT OF ORIGIN: 2014 AND 2015**

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

Length of stay	2014 1/			2015		
	Total	Domestic	International	Total	Domestic	International
All visitors	8,196,342	5,486,059	2,710,283	8,563,018	5,782,140	2,780,878
1 to 6 days	2,844,922	1,204,390	1,640,533	2,927,830	1,336,940	1,590,889
7 to 12 days	4,094,910	3,296,518	798,392	4,348,798	3,464,132	884,666
13 to 30 days	1,160,307	907,612	252,695	1,193,344	905,782	287,562
31 to 365 days	96,202	77,539	18,663	93,046	75,285	17,761
Median (days)	7.26	8.00	6.00	7.27	8.00	6.00
Mean (days)	9.18	10.05	7.43	9.12	9.85	7.60

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.22-- JAPANESE VISITOR ARRIVALS AND EXPENDITURES:  
2010 TO 2015**

[Visitor arrivals by air. Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors]

<b>Subject</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014 1/</b>	<b>2015</b>
Arrivals (1,000)	1,239	1,242	1,466	1,519	1,512	1,482
Average stay (days)	5.87	6.03	6.02	5.94	5.80	5.86
Expenditures (mil. dol.)	1,900	2,164	2,735	2,486	2,397	2,053

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.23-- AVERAGE EXPENDITURE PER VISITOR DAY, BY ORIGIN OF VISITORS: 1960-1961 TO 2015**

[Visitor arrivals by air. Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. Dollars. Unweighted averages for mainlanders before 1988 and for Japanese before 1990]

Year	Mainlanders	Japanese	Year	Mainlanders	Japanese
1960-1961	32.00	(NA)	1998	147.37	235.25
1965-1966 1/	37.23	(NA)	1999	148.91	207.46
1974	46.20	123.00	2000	154.92	214.20
1977	54.62	146.85	2001	142.75	227.05
1980	71.24	185.00	2002	150.39	233.13
1983	85.88	227.32	2003	157.18	240.09
1986	95.40	299.00	2004	157.95	251.47
1987	102.49	324.00	2005	160.79	255.42
1988	121.44	350.00	2006	166.28	266.47
1989	126.57	322.00	2007	170.29	268.83
1990	136.30	294.04	2008	161.01	288.33
1991	140.54	344.29	2009	145.70	268.33
1992	117.14	344.68	2010	151.62	261.10
1993	116.15	306.54	2011	157.81	289.10
1994	133.79	340.88	2012	167.09	310.10
1995	132.73	356.15	2013	172.07	275.74
1996	137.04	286.89	2014 2/	176.58	273.39
1997	157.07	279.58	2015	175.01	236.33

NA Not available.

1/ Oahu only.

2/ Revised from previous *Data Book*.

Source: Hawaii Visitors Bureau, *1983 Visitor Expenditure Survey* (1985), p. 31; *1989 Expenditures, Westbound Visitors to Hawaii* (1990), pp. 29 and 30; *1991 Visitor Expenditure Report* (1992), pp. 6 and 68; *1992 Visitor Expenditure Report* (1993), p. 61; Hawaii Visitors & Convention Bureau, *Hawaii Visitors & Convention Bureau 1995 & 1996 Research Report*, pp.109-110, Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.24-- AVERAGE EXPENDITURE PER VISITOR DAY IN CONSTANT DOLLARS, FOR VISITORS FROM THE MAINLAND: 1960-1961 TO 2015**

[Visitor expenditure for visitor arrivals by air. Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors]

Year	U.S. CPI (1982-84=100)	Average expend. per vis. day 1/	Year	U.S. CPI (1982-84=100)	Average expend. per vis. day 1/
1960-1961	29.8	107	1998	163.0	90
1965-1966 2/	32.0	116	1999	166.6	89
1974	49.3	94	2000	172.2	90
1977	60.6	90	2001	177.1	81
1980	82.4	86	2002	179.9	84
1983	99.6	86	2003	184.0	85
1986	109.6	87	2004	188.9	84
1987	113.6	90	2005	195.3	82
1988	118.3	103	2006	201.6	82
1989	124.0	102	2007	207.3	82
1990	130.7	104	2008	215.3	75
1991	136.2	103	2009	214.5	68
1992	140.3	83	2010	218.1	70
1993	144.5	80	2011	224.9	70
1994	148.2	90	2012	229.6	73
1995	152.4	87	2013	233.0	74
1996	156.9	87	2014 3/	236.7	75
1997	160.5	98	2015	237.0	74

1/ In constant (1982-84) dollars.

2/ Oahu only.

3/ Average expenditure per visitor day for 2014 has been revised from previous *Data Book*.

Source: Preceding table; U.S. Bureau of Labor Statistics, *CPI Detailed Report*

<<http://www.bls.gov/cpi/home.htm>> accessed on July 21, 2015 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 7.25- EXPENDITURES PER VISITOR DAY BY VISITORS FROM SELECTED GEOGRAPHIC AREA, BY EXPENDITURE TYPE: 2014 AND 2015**

[For visitor arrivals by air. Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. In dollars for visitors who stayed in hotels, condominiums, and bed & breakfasts]

Expenditure type	Visitors from U.S. West 1/		Visitors from U.S. East 2/		Visitors from Japan		Visitors from Canada	
	2014 3/	2015	2014 3/	2015	2014 3/	2015	2014 3/	2015
All items	160.2	162.0	204.9	197.8	273.4	236.3	158.9	161.5
Total food and beverage	35.4	34.5	42.1	40.0	50.7	49.9	33.4	33.0
Restaurant food	23.0	21.8	29.5	27.3	37.7	37.3	19.9	18.4
Dinner shows and cruises	3.3	3.4	4.7	4.5	4.4	3.9	2.8	3.0
Groceries and snacks	9.1	9.3	7.9	8.3	8.6	8.7	10.7	11.6
Entertainment & recreation	14.3	14.1	20.7	19.5	19.1	18.7	12.7	12.4
Total transportation	16.9	16.3	20.9	20.1	12.2	12.0	16.1	17.1
Interisland airfare	1.8	1.8	4.1	3.8	2.1	2.0	1.2	1.7
Ground transportation	0.7	0.7	1.0	1.0	6.3	5.8	1.0	1.0
Rental vehicles	12.9	12.7	14.1	13.9	3.5	3.9	12.3	13.2
Gasoline, parking, etc.	1.4	1.2	1.7	1.4	0.4	0.4	1.7	1.3
Total shopping	16.2	16.3	19.4	18.6	77.8	65.5	16.5	14.9
Fashion and clothing	6.4	6.1	6.9	6.7	20.5	18.2	8.2	7.4
Jewelry and watches	2.7	2.9	3.8	3.3	7.5	5.8	2.3	1.9
Cosmetics, perfume	0.4	0.4	0.4	0.4	4.5	3.5	0.3	0.3
Leather goods	0.6	0.8	0.7	0.5	24.8	17.6	0.6	0.6
Hawaii food products	2.5	2.5	2.6	2.7	13.3	13.6	2.0	2.0
Souvenirs	3.6	3.6	5.0	5.1	7.0	6.9	3.0	2.8
Lodging	73.2	76.3	91.2	87.4	99.7	79.3	74.3	78.2
All other expenses 4/	4.3	4.5	10.7	12.1	14.0	10.8	6.0	5.8

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**Table 7.25- EXPENDITURES PER VISITOR DAY BY VISITORS FROM SELECTED GEOGRAPHIC AREA, BY EXPENDITURE TYPE: 2014 AND 2015 -- Con.**

Expenditure type	Visitors from China		Visitors from Korea		Visitors from other Asia 5/		Visitors from Oceania 6/	
	2014 3/	2015	2014 3/	2015	2014 3/	2015	2014 3/	2015
All items	396.8	392.0	270.4	293.9	320.6	340.3	258.6	262.8
Total food and beverage	54.1	55.6	60.2	66.5	56.2	60.7	48.7	50.4
Restaurant food	39.8	42.2	47.9	52.9	43.2	47.3	36.0	36.5
Dinner shows and cruises	6.4	5.5	6.1	5.8	6.1	5.6	3.8	4.3
Groceries and snacks	8.0	7.9	6.1	7.8	6.9	7.8	8.9	9.6
Entertainment & recreation	29.5	35.0	26.5	26.3	27.1	30.4	22.8	24.2
Total transportation	29.7	33.0	22.7	25.7	25.6	29.2	15.7	16.6
Interisland airfare	11.0	12.9	9.2	7.1	9.7	9.9	3.9	3.9
Ground transportation	5.3	6.5	2.4	2.5	3.6	4.4	4.0	4.1
Rental vehicles	11.9	12.2	9.6	15.0	10.7	13.7	7.0	8.0
Gasoline, parking, etc.	1.6	1.4	1.5	1.1	1.5	1.2	0.8	0.7
Total shopping	182.7	160.0	71.1	77.2	116.9	116.9	62.7	54.1
Fashion and clothing	63.3	54.9	25.4	25.1	41.4	39.5	39.2	34.7
Jewelry and watches	37.8	30.8	5.0	3.7	18.5	16.5	5.8	4.7
Cosmetics, perfume	21.4	21.7	5.8	6.0	12.1	13.3	6.2	4.9
Leather goods	46.1	39.0	23.8	30.2	32.4	34.3	5.4	3.9
Hawaii food products	9.7	8.0	7.0	6.7	8.3	7.6	1.8	1.6
Souvenirs	4.4	5.5	4.1	5.5	4.2	5.7	4.2	4.3
Lodging	85.4	86.3	86.8	93.5	86.4	89.8	96.6	104.2
All other expenses 4/	15.3	22.1	3.0	4.7	8.5	13.2	12.1	13.2

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**Table 7.25-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM  
SELECTED GEOGRAPHIC AREA, BY EXPENDITURE TYPE:  
2014 AND 2015 -- Con.**

Expenditure type	Visitors from Europe 7/		Visitors from Latin America 8/		Visitors from other markets 9/	
	2014 3/	2015	2014 3/	2015	2014 3/	2015
All items	181.5	177.7	269.4	247.4	210.9	183.6
Total food and beverage	37.8	35.4	37.4	49.2	38.2	38.3
Restaurant food	26.7	23.4	25.5	30.8	25.8	26.2
Dinner shows and cruises	3.8	3.0	4.5	7.5	3.5	3.3
Groceries and snacks	7.3	9.0	7.4	10.9	8.9	8.8
Entertainment & recreation	19.7	16.2	19.7	25.7	16.3	15.9
Total transportation	22.9	26.6	28.6	29.2	22.4	19.7
Interisland airfare	5.9	7.4	8.0	8.1	5.5	4.1
Ground transportation	2.2	2.2	1.0	1.6	2.4	2.2
Rental vehicles	13.2	15.8	18.1	18.3	12.8	11.9
Gasoline, parking, etc.	1.5	1.3	1.5	1.2	1.7	1.5
Total shopping	16.2	16.2	58.4	29.7	40.5	32.2
Fashion and clothing	8.3	8.2	25.7	16.3	19.5	17.7
Jewelry and watches	1.3	1.7	15.6	2.2	3.5	2.0
Cosmetics, perfume	0.7	0.7	3.4	1.8	2.5	1.6
Leather goods	0.8	0.5	1.0	0.7	4.1	2.9
Hawaii food products	1.5	1.6	4.5	2.2	4.4	3.3
Souvenirs	3.4	3.4	8.3	6.5	6.6	4.8
Lodging	79.6	77.2	114.9	96.2	79.8	72.5
All other expenses 4/	5.3	6.0	10.4	17.4	13.7	4.9

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**Table 7.25-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM  
SELECTED GEOGRAPHIC AREA, BY EXPENDITURE TYPE:  
2014 AND 2015 -- Con.**

- 1/ Pacific and Mountain States of the United States.
- 2/ All other States in the continental United States not included in U.S. West.
- 3/ Revised from previous *Data Book*.
- 4/ Includes cruise package and on-ship spending on U.S. Flagged Hawaii home-ported ships.
- 5/ Includes China, Hong Kong, Korea (South), Singapore, and Taiwan.
- 6/ Includes Australia and New Zealand.
- 7/ Includes United Kingdom, Germany, France, Italy, and Switzerland.
- 8/ Includes Argentina, Brazil, and Mexico.
- 9/ Includes all countries and districts not listed in other MMAs, including Guam, Puerto Rico, U.S. Virgin Islands, and other U.S. territories.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual) and records.

**Table 7.26-- TOTAL VISITOR EXPENDITURES BY EXPENDITURE TYPE:  
2014 AND 2015**

[Total air and cruise visitor expenditures. Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. In millions of dollars for visitors who stayed in hotels, condominiums, and bed & breakfasts]

<b>Expenditure type</b>	<b>2014 1/</b>	<b>2015</b>	<b>Percent change</b>
All items	14,973.3	15,110.9	0.9
Total food and beverage	3,021.2	3,075.3	1.8
Restaurant food	2,070.2	2,063.1	-0.3
Dinner shows and cruises	290.8	298.1	2.5
Groceries and snacks	660.2	714.1	8.2
Entertainment & recreation	1,313.1	1,337.1	1.8
Total transportation	1,349.1	1,385.0	2.7
Interisland airfare	224.3	227.6	1.5
Ground transportation	136.4	136.1	-0.2
Rental vehicles	884.6	932.0	5.4
Gasoline, parking, etc.	103.8	89.3	-14.0
Total shopping	2,329.7	2,211.9	-5.1
Fashion and clothing	881.8	844.3	-4.3
Jewelry and watches	318.8	293.3	-8.0
Cosmetics, perfume	122.3	113.5	-7.2
Leather goods	366.8	310.5	-15.3
Hawaii food products	300.9	301.9	0.3
Souvenirs	338.9	348.4	2.8
Lodging	6,230.5	6,343.7	1.8
All other expenses 2/	607.7	623.9	2.7
Supplemental business	122.1	134.1	9.8

1/ Revised from previous *Data Book*.

2/ Includes cruise package and on-ship spending on U.S. Flagged Hawaii home-ported ships.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual) and records.

**Table 7.27-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM  
U.S. WEST, U.S. EAST, AND JAPAN, BY VISITOR OR TRIP  
CHARACTERISTICS: 2014 AND 2015**

[Visitor arrivals by air. Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. In dollars]

Visitor or trip characteristics	Visitors from US West 1/		Visitors from US East 3/		Visitors from Japan	
	2014 2/	2015	2014 2/	2015	2014 2/	2015
All visitors	160.2	162.0	204.9	197.8	273.4	236.3
Group tour status 4/						
Organized group tour	212.3	230.8	262.5	253.2	276.5	248.3
Individually arranged	158.7	160.1	196.0	188.3	262.3	233.2
Arrived on package tour 4/						
Yes	190.2	183.4	243.9	229.0	289.4	260.0
No	151.5	155.6	183.7	180.5	197.3	186.3
Accommodations						
Hotel	209.3	205.3	252.3	243.5	285.6	257.8
Condo	156.4	161.3	183.6	183.2	179.8	174.2
Guests of friends and relatives	73.1	72.9	76.2	75.0	93.0	100.3
Timeshare	122.2	128.8	148.6	148.8	136.5	127.7
Previous visits 4/						
First trip	172.3	169.5	218.7	207.3	290.5	259.7
Repeat visitors	158.7	160.6	185.4	190.3	249.4	223.4
Purpose of trip						
Pleasure	162.3	163.1	198.1	192.8	241.7	217.2
Business, meetings, conventions, incentive	202.8	204.8	221.1	237.9	265.3	250.7
On honeymoon	221.5	211.2	308.2	280.1	354.2	323.0

1/ Pacific and Mountain States of the United States.

2/ Revised from previous *Data Book*.

3/ All other states in the continental United States not included in U.S. West.

4/ U.S. West and U.S. East figures may not be comparable to figures in *2007 Data Book* or earlier, due to a change in methodology in a subsequent year.

Source: Hawaii Tourism Authority, Tourism Research and records.

**Table 7.28-- ESTIMATED VISITOR EXPENDITURES: 1961 TO 2015**

[Total air and cruise visitor expenditures. Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. In millions of dollars]

Year	Personal expenditures	Additional business expenditures 1/	Year	Personal expenditures	Additional business expenditures 1/
1961	137	(NA)	1989	8,371	113
1962	154	(NA)	1990	8,707	119
1963	186	(NA)	1991	9,004	138
1964	205	(NA)	1992	8,614	141
1965	225	(NA)	1993	7,808	120
1966	280	(NA)	1994	9,544	133
1967	380	(NA)	1995	10,067	141
1968	440	(NA)	1996	9,569	140
1969	550	(NA)	1997	10,102	147
1970	595	(NA)	1998	9,910	149
1971	705	(NA)	1999	9,844	161
1972	836	(NA)	2000	10,396	194
1973	1,017	(NA)	2001	8,916	145
1974	1,233	(NA)	2002	9,465	144
1975	1,355	(NA)	2003	9,889	165
1976	1,637	(NA)	2004	10,702	160
1977	1,834	(NA)	2005	11,696	208
1978	2,150	(NA)	2006	12,301	191
1979	2,541	(NA)	2007	12,626	185
1980	2,871	(NA)	2008	11,220	178
1981	3,195	(NA)	2009	9,819	174
1982	3,687	(NA)	2010	10,889	177
1983	3,847	(NA)	2011	12,048	110
1984	4,442	(NA)	2012	14,250	115
1985	4,780	92	2013	14,413	108
1986	5,567	103	2014 2/	14,851	122
1987	6,281	120	2015	14,977	134
1988	7,813	125			

NA Not available.

1/ By MCI (meetings, conventions, and incentive) visitors. Not available before 1985.

2/ 2014 personal expenditures figure has been revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.29-- VISITOR EXPENDITURES, BY COUNTRY OF RESIDENCE:  
1999 TO 2015**

[Total air and cruise visitor expenditures. Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors. In millions of dollars]

Year	Total expenditures	Personal expenditures					Additional business (MCI) expenditures
		All countries 1/	United States	Japan	Canada	Other countries 1/	
1999	10,005	9,844	5,776	2,359	480	1,229	161
2000	10,590	10,396	6,453	2,370	451	1,121	194
2001	9,061	8,916	5,708	2,089	309	810	145
2002	9,609	9,465	6,133	2,041	270	1,021	144
2003	10,054	9,889	6,608	1,902	335	1,044	165
2004	10,862	10,702	7,095	2,163	364	1,081	160
2005	11,904	11,696	7,841	2,214	451	1,190	208
2006	12,492	12,301	8,385	2,037	508	1,371	191
2007	12,811	12,626	8,537	1,982	634	1,473	185
2008	11,398	11,220	7,122	1,944	711	1,443	178
2009	9,993	9,819	6,163	1,826	629	1,202	174
2010	11,066	10,889	6,790	1,900	746	1,454	177
2011	12,158	12,048	7,251	2,164	906	1,727	110
2012	14,365	14,250	8,074	2,735	1,023	2,418	115
2013	14,521	14,413	8,351	2,486	1,083	2,493	108
2014 2/	14,973	14,851	8,586	2,397	1,073	2,796	122
2015	15,111	14,977	8,950	2,053	1,053	2,921	134

1/ Includes cruise ship data.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Branch and records.

**Table 7.30-- CRUISE SHIP ARRIVAL AND PASSENGER COUNT:  
2011 TO 2015**

<b>Subject</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Number of tours 1/	125	141	138	125	118
Number of passengers	246,236	286,530	291,078	247,815	245,631
Out of state visitors	244,081	283,109	287,424	243,390	241,929
Arrived by air	119,431	121,509	116,437	118,947	125,384
Arrived by ship	124,650	161,600	170,987	124,443	116,545
Hawaii residents	2,155	3,421	3,654	4,425	3,702

1/ A tour starts when a ship first calls a Hawaiian port or when all new passengers embark at a Hawaii port. One ship may make several tours around the Hawaiian Islands with a stop at Fanning Island or Christmas Island during the trip.

Source: Hawaii Tourism Authority, Tourism Research and records.

**Table 7.31-- ESTIMATED DIRECT VISITOR-RELATED EXPENDITURES:  
1997 TO 2015**

[In millions of dollars]

<b>Year</b>	<b>Total</b>	<b>Visitors</b>	<b>Overseas airlines</b>	<b>Cruise lines</b>
1997	11,520.4	10,249.3	1,242.6	28.4
1998	11,379.9	10,058.8	1,256.6	64.5
1999	11,380.9	10,005.1	1,315.8	60.1
2000	12,017.7	10,590.1	1,360.8	66.8
2001	10,412.2	9,061.3	1,280.6	70.3
2002	11,045.5	9,608.9	1,340.0	96.6
2003	11,468.3	10,054.5	1,313.4	100.3
2004	12,406.8	10,861.8	1,405.4	139.6
2005	13,554.6	11,904.0	1,519.7	130.9
2006	14,198.4	12,491.6	1,559.0	147.8
2007	14,568.0	12,811.1	1,563.3	193.6
2008	13,090.4	11,398.5	1,530.4	161.6
2009	11,587.5	9,993.2	1,463.6	130.7
2010	12,618.1	11,066.4	1,425.8	125.9
2011 1/	13,793.0	12,158.2	1,485.4	149.4
2012 1/	16,201.5	14,364.8	1,648.9	187.8
2013 1/	16,493.6	14,520.5	1,784.8	188.3
2014 1/	17,013.0	14,973.3	1,880.2	159.5
2015	17,244.0	15,110.9	1,989.4	143.7

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, records.

**Table 7.32-- ECONOMIC ACTIVITY GENERATED BY VISITOR-RELATED EXPENDITURES: 2012 TO 2015**

[Direct and indirect impact]

<b>Year</b>	<b>Visitor-related expenditures (million dollars)</b>	<b>Gross domestic product (million dollars)</b>	<b>Household income (million dollars)</b>	<b>State tax revenues (million dollars)</b>	<b>Jobs (1,000)</b>
2012 1/	16,201.5	12,475.1	7,080.0	1,522.9	163.6
2013 1/	16,493.6	12,700.1	7,207.7	1,550.4	161.6
2014 1/	17,013.0	13,100.0	7,434.7	1,599.2	161.6
2015	17,244.0	13,277.9	7,535.6	1,620.9	158.6

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, records.

**Table 7.33-- WAIKIKI'S SHARE OF TOURISM: 2015**

Measure of tourism	Statewide visitor industry	Waikiki	
		Number	Percent of statewide tourism
Visitors	8,563,018	1/ 5,333,912	(2/)
Average daily visitor census	213,934	81,782	38.2
Visitors units	77,138	28,976	37.6
Occupied units (average)	60,785	25,209	41.5
Total visitor expenditures (\$millions) 3/	17,244	7,255	42.1

1/ Oahu visitors.

2/ Because many visitors tour more than one island, percent is not applicable.

3/ Includes a portion of the overseas airfare supporting Hawaii-based airline services and spending by cruise lines on supplies and maintenance.

Source: Hawaii State Department of Business, Economic Development & Tourism, records.

**Table 7.34-- CONTRIBUTION TO THE STATE'S ECONOMY BY STATEWIDE VISITOR INDUSTRY AND BY WAIKIKI: 2015**

Measure of tourism	Statewide tourism		Waikiki tourism	
	Number	Percent	Number	Percent
Direct impact 1/ Gross domestic product 2/ Civilian jobs 3/ State taxes (\$millions)	(X) 113,982 1,247	(X) 13.6 17.6	(X) 47,952 525	(X) 5.7 7.4
Direct and indirect impact 4/ Gross domestic product (\$millions) 4/ Civilian jobs 3/ State taxes (\$millions)	13,278 158,645 1,621	16.7 18.9 22.9	5,586 66,742 682	7.0 8.0 9.6

X Not applicable.

1/ Measures the impact of visitor expenditures on only those firms that sell directly to visitors.

2/ In this Input-Output analysis, direct and indirect GDP are not readily separated.

3/ Civilian jobs include wage and salary jobs plus self-employed but exclude non-civilian military jobs.

4/ Measures the impact of visitor expenditures through all firms that contributed to goods and services sold to visitors.

Source: Hawaii State Department of Business, Economic Development & Tourism, records.

**Table 7.35-- VISITOR INDUSTRY PRICES, PRICE DEFLATOR, AND PRICE INDEXES: 1990 TO 2015**

Year	Implicit price deflator 1/ 2/ (2009=100)	Average daily room rate 3/ (dollars)	1-way air fares (dollars)		Honolulu Consumer Price Index 6/ (1982-84=100)		
			San Francisco-Honolulu 4/	Honolulu-Kahului 5/	Food away from home	Apparel	All items
1990	(NA)	102.10	560.00	54.95	128.0	107.0	138.1
1991	(NA)	101.89	642.00	65.95	133.6	110.5	148.0
1992	(NA)	105.59	400.00	69.95	137.8	114.2	155.1
1993	(NA)	103.26	566.00	74.00	141.9	116.5	160.1
1994	(NA)	105.46	566.00	74.00	146.4	118.7	164.5
1995	(NA)	109.39	596.00	74.00	149.2	117.5	168.1
1996	(NA)	116.79	530.00	85.00	150.8	118.5	170.7
1997	70.9	124.96	521.00	80.00	152.6	117.3	171.9
1998	72.6	129.66	521.00	88.00	153.3	112.2	171.5
1999	74.6	131.66	536.00	94.75	158.3	105.4	173.3
2000	77.1	140.63	576.00	94.50	160.0	103.5	176.3
2001	80.2	144.88	692.00	95.25	164.0	101.0	178.4
2002	82.2	140.89	692.00	99.00	166.0	102.6	180.3
2003	84.5	144.16	714.00	119.00	167.1	98.5	184.5
2004	87.2	152.17	714.00	139.60	171.0	101.2	190.6
2005	90.3	166.16	829.00	144.70	176.4	102.5	197.8
2006	93.5	187.19	(NA)	167.80	186.0	104.4	209.4
2007	96.7	199.96	(NA)	182.90	195.1	104.1	219.5
2008	98.4	201.85	(NA)	170.00	202.3	105.3	228.9
2009	100.0	177.10	(NA)	218.10	210.8	112.8	230.0
2010	101.2	174.84	(NA)	191.20	213.6	116.4	234.9
2011	103.0	189.83	(NA)	191.20	219.1	118.4	243.6
2012	105.2	204.93	(NA)	191.30	230.3	121.5	249.5
2013	107.1	229.90	(NA)	191.40	241.2	119.0	253.9
2014	109.7	2/ 234.85	(NA)	185.00	247.7	111.1	257.6
2015	112.6	243.93	(NA)	187.00	263.0	108.9	260.2

NA Not available.

1/ U.S. Bureau of Economic Analysis, Gross Domestic Product by State to 1997 to 2015  
 <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 14, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

2/ Revised from previous *Data Book*.

3/ For 1980-1994 Pannell Kerr Forster, *Trends in the Hotel Industry, Hawaii* (monthly). For 1995-2015 Smith Travel Research, Hospitality Advisors LLC, *Hawaii Hotel Flash Report* (December/Year-End Highlights).

4/ Unrestricted coach or economy weekday fare, including taxes as of July 1, by United Airlines. From chronology in *Data Book*, (1998 figure as of July 27, 2004 figure as of May 3, and 2005 figure as of June 2).

5/ Regular fare, including taxes, as of July 1, by Hawaiian Airlines. From chronology in *Data Book* and Hawaiian Airlines, records.

6/ Honolulu CPI for All Urban Consumers, from U.S. Bureau of Labor Statistics  
 <<http://data.bls.gov/cgi-bin/dsrv?cu>> accessed July 7, 2016.

Source: See above footnotes.

**Table 7.36-- RETURNING RESIDENTS AND AVERAGE NUMBER ABSENT,  
BY POINT OF ORIGIN: 1993 TO 2015**

Year	Number returning			Average number absent		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
1993	832,592	716,100	116,492	52,487	44,890	7,597
1994	858,075	738,540	119,535	54,362	46,150	8,212
1995	878,599	755,970	122,629	55,856	47,864	7,992
1996	889,496	764,790	124,706	58,137	50,108	8,029
1997	925,812	796,650	129,162	40,898	35,467	5,431
1998	931,068	796,967	134,101	38,495	34,791	3,704
1999	939,622	805,318	134,304	42,297	36,339	5,958
2000	1,001,174	839,772	161,402	46,151	37,307	8,844
2001	982,508	815,293	167,215	46,566	36,029	10,537
2002	991,557	850,786	140,771	46,757	35,810	10,947
2003	1,057,615	930,265	127,350	53,447	44,682	8,764
2004	1,140,779	976,976	163,803	57,481	47,436	10,044
2005	1,252,012	1,078,468	173,544	65,674	53,789	11,884
2006	1,362,507	1,175,635	186,872	68,656	56,964	11,691
2007	1,364,505	1,160,029	204,476	71,626	57,906	13,719
2008	1,262,237	1,057,133	205,104	72,080	57,386	14,694
2009	1,244,534	1,032,158	212,376	69,243	56,366	12,877
2010	1,291,983	1,079,120	212,863	73,217	57,544	15,673
2011	1,292,290	1,088,058	204,232	73,863	59,486	14,377
2012	1,305,370	1,104,116	201,254	75,985	60,218	15,767
2013 1/	1,239,061	1,081,195	157,866	68,946	57,979	10,966
2014 1/	1,220,813	1,120,230	100,583	64,898	58,385	6,513
2015	1,294,904	1,184,982	109,922	62,389	56,695	5,693

1/ 2013 Average number absent and all 2014 data with the exception of International Number returning have been revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual); Hawaii Tourism Authority, Tourism Research and records.

**Table 7.37-- TRAVEL CHARACTERISTICS FOR HAWAII AND THE UNITED STATES: 1977 AND 1995**

[Trips of 100 miles or more, one way. Excludes travel outside the U.S.]

Subject	Hawaii			United States		
	1977	1995	Percent change	1977	1995	Percent change
People who live in area						
Percent traveling households	67	75	12.5	72	80	10.8
Trips per household	1.3	3.1	138.5	4.1	5.5	34.1
Trips per traveling household	1.9	4.2	121.1	5.7	6.9	21.1
Trips per capita	0.5	1.9	280.0	2.0	4.0	66.7
Trips per traveler	(NA)	2.7	(NA)	4.0	4.8	20.0
Miles per traveler	(NA)	7,392	(NA)	2,836	3,943	39.0
Miles per trip	(NA)	2,704	(NA)	709	827	16.6
People who visit area						
Trips per traveler	2.1	3.4	61.9	4.0	4.8	20.0
Miles per traveler	14,654	16,538	12.9	2,836	3,943	39.0
Miles per trip	7,013	4,885	-30.3	709	827	16.6

NA Not available.

Source: U.S. Bureau of Transportation Statistics, *1995 American Travel Survey, State Highlights, Hawaii* (1997), table 1.

**Table 7.38-- PERSON TRIPS TO, FROM, AND WITHIN HAWAII, BY CENSUS DIVISIONS OR STATES OF DESTINATION OR ORIGIN: 1995**

[Trips of 100 miles or more, one way. Excludes travel outside the U.S.]

Census division or selected state of destination or origin 1/	Destination of person trips from Hawaii (1,000)	Origin of person trips to Hawaii (1,000)
Total person trips	2,086	4,624
Within Hawaii 2/	1,322	1,322
To or from other states	764	3,302
New England	9	69
Mid-Atlantic	36	189
East North Central	36	269
West North Central	18	146
South Atlantic	71	188
East South Central	13	42
West South Central	33	214
Texas	26	182
Mountain	263	236
Nevada	218	35
Pacific (except Hawaii)	285	1,949
Washington	56	261
California	210	1,530

1/ Top three states in each category are listed.

2/ Trips with both origin and destination within Hawaii.

Source: U.S. Bureau of Transportation Statistics, *1995 American Travel Survey, Summary Travel Characteristics, Hawaii* (1997), Pub. No. BTS/ATS95-ESTC/HI (Oct. 1, 1997), tables 6-11.

**Table 7.39-- PERSON TRIPS TO, FROM, AND WITHIN HAWAII, BY  
SELECTED TRAVELER CHARACTERISTICS: 1995**

[Trips of 100 miles or more, one way. Excludes travel outside the U.S.]

Travel characteristics	Origin in Hawaii			Destination in Hawaii 1/	
	Total	Dest. in Hawaii	Dest. outside Hawaii	Total	Origin outside Hawaii
All person trips (1,000)	2,086	1,322	764	4,624	3,302
Age (percent)					
Under 25 years	18.7	20.5	15.8	17.2	15.8
60 years and over	16.5	11.4	25.4	14.6	15.9
Female (percent)	46.1	45.3	47.4	47.3	48.1
Race (percent)					
White	36.2	34.8	38.6	65.4	77.6
Black	1.7	1.1	2.7	2.0	2.3
Asian or Pacific Islander	55.7	56.2	54.8	29.2	18.4
Household income over \$60,000 (percent)	50.9	49.1	53.9	53.3	54.9
Married-couple household (percent)	74.3	71.8	78.5	74.9	76.1
Bachelor's degree or higher (percent) 2/	39.9	40.8	38.6	45.9	47.8
Activity status (percent) 2/					
Working full time	69.1	73.5	62.1	68.4	66.5
Retired	13.3	8.5	20.9	9.8	10.3
All household trips (1,000)	1,494	939	555	2,992	2,054
Mean round-trip distance (miles)	2,769	359	6,842	4,731	6,729
Business trip (percent)	41.6	48.4	30.1	30.3	22.0
Vacation trip (percent)	43.7	35.2	58.1	61.6	73.7
Mean nights away from home	6.7	3.4	10.7	8.6	10.3
Lodging at destination (percent)					
Friend's or relative's home	40.6	46.4	33.6	27.0	20.9
Hotel, motel, or resort	50.5	43.6	58.8	51.9	54.6

1/ Includes "destination in Hawaii, origin in Hawaii," same as figures in second column of data.

2/ Persons 16 years and over.

Source: U.S. Bureau of Transportation Statistics, *1995 American Travel Survey, Summary Travel Characteristics, Hawaii*, Pub. No. BTS/ATS95-ESTC/HI (Oct. 1, 1997), tables 1 and 11.

**Table 7.40-- PASSPORTS ISSUED BY THE HONOLULU PASSPORT AGENCY:  
2011 TO 2015**

[Calendar year data. The area served by the Honolulu Passport Agency includes Hawaii, American Samoa, Western Samoa, Guam, the Northern Mariana Islands, Palau, the Federated States of Micronesia and the Republic of the Marshall Islands]

<b>Mailing address</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Issued by Honolulu Office	56,474	61,859	62,304	62,999	67,866
Mailed to Hawaii addresses	39,280	43,047	43,778	44,304	49,313
Mailed outside the state	17,194	18,812	18,526	18,695	18,553

Source: U.S. Department of State, Honolulu Passport Agency, records.

**Table 7.41-- PERFORMING ARTS, FOR OAHU: 2014-2015 SEASON**

<b>Name of organization and type of performance</b>	<b>Productions</b>	<b>Performances</b>	<b>Attendance</b>
All reporting groups	(NA)	(NA)	(NA)
Department of Enterprise Services, total	39	72	86,187
Dance	7	15	24,898
Classical concerts	21	27	29,682
Operas	4	22	18,710
Pop/rock shows	7	8	12,897
Stage shows	-	-	-
Brigham Young University	(NA)	(NA)	(NA)
Diamond Head Theatre	6	105	48,411
Hawaii Pacific University (Theater)	2	38	2,250
Hawaii Pacific University (Music)	(NA)	25	10,000
Honolulu Theatre for Youth	7	470	91,457
Kennedy Theatre	14	72	14,466
Manoa Valley Theatre	6	112	16,114
Kumu Kahua Theater	6	108	10,000

NA Not available.

Source: Hawaii State Department of Business, Economic Development & Tourism mail and telephone survey.

**Table 7.42-- SYMPHONY ORCHESTRA ACTIVITIES:  
1989-1990 TO 2014-2015**

Season	Average number of orchestra personnel	Number of performances	Total attendance	Operating expenses (dollars)
<b>HONOLULU SYMPHONY ORCHESTRA</b>				
1989-1990	80	141	183,434	4,978,813
1990-1991	80	101	160,214	5,465,467
1991-1992	80	127	204,253	6,160,301
1992-1993	80	127	194,866	5,983,729
1993-1994 1/	-	-	-	1,380,547
<b>HAWAII SYMPHONY ORCHESTRA</b>				
1994-1995 2/	62	115	120,000	4,700,000
<b>HONOLULU SYMPHONY ORCHESTRA</b>				
1995-1996 3/	80	45	65,000	2,343,305
1996-1997 4/	80	47	73,596	3,919,708
1997-1998	80	48	79,605	5,044,888
1998-1999	80	56	111,682	5,470,100
1999-2000	80	61	106,942	6,691,900
2000-2001 5/	80	53	98,831	5,797,900
2001-2002	80	58	97,906	6,058,458
2002-2003	80	52	94,064	6,331,577
2003-2004	80	58	123,666	6,938,881
2004-2005	80	47	90,985	6,311,037
2005-2006	80	47	89,851	7,279,713
2006-2007	80	48	45,894	7,216,559
2007-2008	80	37	52,953	8,813,767
2008-2009	80	37	64,775	8,310,431
2009-2010 6/	80	8	12,758	2,125,968
2010-2011 7/	-	-	-	310,629
<b>HAWAII SYMPHONY ORCHESTRA</b>				
2011-2012 8/	80	21	20,652	2,434,179
2012-2013 9/	80	1	2,057	215,449
2013-2014	80	20	24,564	10/ 3,486,554
2014-2015	80	23	30,089	11/ 3,553,965

Continued on next page.

**Table 7.42-- SYMPHONY ORCHESTRA ACTIVITIES:  
1989-1990 TO 2014-2015 -- Con.**

- 1/ Concert season cancelled.
  - 2/ First season in operation. The attendance total is estimated.
  - 3/ The Honolulu Symphony Society and the Musicians' Union reached a collective bargaining agreement on December 15, 1995 for a 14-week season, a shorter season than prior years.
  - 4/ Recording of expenses in compliance with FASB 116 & 117 pertaining to not-for-profit corporations, for 18-week season.
  - 5/ Cancelled Shell series and Ohana series due to expense.
  - 6/ Cancelled season in October 2009. Filed Chapter 11 in December 2009.
  - 7/ Converted to Chapter 7 in December 2010.
  - 8/ First season in operation.
  - 9/ No season presented, except 4th of July concert.
  - 10/ Expense includes \$556,431 in contracted revenue for Hawaii Opera and Ballet Hawaii.
  - 11/ Expense reflects \$57,500 in contracted revenue from Ballet Hawaii and addition of first Pops series.
- Source: Honolulu Symphony Society, records; Hawaii Symphony Orchestra, records.

**Table 7.43-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL  
ATTRACTIONS: 2013 TO 2015**

[Calendar year data unless otherwise specified]

Island and cultural attraction	2013	2014	2015
OAHU			
Atlantis Submarines	1/ 287,022	1/ 263,910	245,838
Atlantis Cruises	1/ 98,708	1/ 87,732	95,100
Battleship Missouri Memorial	601,291	561,634	599,349
Bernice P. Bishop Museum	257,000	240,000	(NA)
Diamond Head State Monument 2/ 3/	920,000	892,400	904,000
Foster Botanical Garden	44,584	47,628	45,598
Harold L. Lyon Arboretum	40,260	42,108	43,252
Hawaii Maritime Center 2/	(4/)	(4/)	(4/)
Hawaii's Plantation Village	(NA)	(NA)	(NA)
Hawaii State Art Museum 2/	31,932	28,343	28,115
Honolulu Museum of Art on Beretania 5/	274,132	277,564	290,193
Honolulu Museum of Art at First Hawaiian Center 5/	48,930	(NA)	(NA)
Honolulu Museum of Art at Spalding House 5/	1/ 23,800	27,564	28,174
Honolulu Police Department Museum	1,059	(NA)	(NA)
Honolulu Zoo	663,699	606,566	592,780
Ho'omaluhia Botanical Garden	175,168	167,843	193,996
Iolani Palace State Monument	110,987	110,987	115,758
Judiciary History Center	54,428	57,110	(NA)
Mormon Temple Grounds (Church of Jesus Christ of Latter-Day Saints, Hawaii Temple Visitor's Center)	116,833	127,884	(NA)
Polynesian Cultural Center	695,328	664,634	646,176
Puu O Mahuka Heiau State Monument 2/	(6/)	(6/)	(6/)
Queen Emma Summer Palace	17,900	15,960	12,956
Royal Mausoleum State Monument 2/	(6/)	(6/)	(6/)
Sea Life Park Hawaii 7/	216,799	197,348	188,802
Tropic Lightning Museum, Schofield Barracks	(NA)	(NA)	(NA)
Ulu Po Heiau State Monument 2/	(6/)	(6/)	(6/)
U.S. Army Museum, Ft. DeRussy	102,833	78,468	(NA)
U.S.S. Bowfin Submarine Museum	329,758	306,731	328,479
University of Hawaii Art Gallery 9/	52,000	52,000	52,000
Waikiki Aquarium 2/	322,975	299,943	286,319
WWII Valor in the Pacific National Monument 8/	1,786,024	1,620,814	1,574,156
HAWAII			
Amy B. H. Greenwell Ethnobotanical Garden	17,793	22,122	(NA)
Astronaut Ellison S. Onizuka Space Center	15,879	14,256	15,947

Continued on next page.

**Table 7.43-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL  
ATTRACTIONS: 2013 TO 2015 -- Con.**

Island and cultural attraction	2013	2014	2015
HAWAII - con.			
H.N. Greenwell Store	1,735	1,784	(NA)
Hawaii Tropical Botanical Garden	93,641	90,330	99,540
Hawaii Volcanoes National Park 8/ 10/	1,583,209	1,693,005	1,832,660
Hulihee Palace	25,625	23,291	25,546
Kaloko-Honokohau National Historical Park 8/	158,124	154,206	170,683
Kona Coffee Living History Farm	5,446	6,511	(NA)
Lyman House Memorial Museum	12,434	13,421	11,825
Nani Mau Gardens	(NA)	(NA)	(NA)
Pacific Tsunami Museum	17,415	17,786	17,415
Panaewa Rainforest Zoo and Gardens 2/	244,533	199,801	214,249
Puuhonua O Honaunau NHP 8/	363,282	401,808	437,286
Puukohola Heiau National Historic Site 8/	125,645	134,734	139,586
Volcano Art Center 9/	100,000	(NA)	(NA)
MAUI			
Alexander & Baldwin Sugar Museum	36,680	34,899	34,370
Aquarium Maui/Maui Ocean Center	312,577	284,514	(NA)
Haleakala National Park 8/	785,300	1,142,040	1,216,772
Halekii-Pihana Heiaus State Monument 2/	(6/)	(6/)	(6/)
Hana Cultural Center	(NA)	(NA)	(NA)
Iao Valley State Monument 2/	(6/)	(6/)	(6/)
Kula Botanical Garden	34,275	(NA)	(NA)
Lahaina Restoration Foundation	27,075	23,098	20,648
Baldwin Missionary Home Museum	14,463	13,390	11,170
Hale Pai Printing House	12,259	490	479
Wo Hing Temple Museum	353	9,218	8,999
Maui Historical Society Bailey House Museum	10,732	10,860	11,807
Whalers Village Museum	202,700	184,700	203,595
KAUAI			
Grove Farm Homestead	2,863	2,976	2,750
Kauai Museum	23,545	(NA)	(NA)
Kilauea Point National Wildlife Refuge	(NA)	(NA)	(NA)
Kokee Natural History Museum	95,544	95,413	93,511
Waioli Mission House	495	393	513

Continued on next page.

**Table 7.43-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL  
ATTRACTIONS: 2013 TO 2015 -- Con.**

Island and cultural attraction	2013	2014	2015
MOLOKAI			
Kalaupapa National Historical Park 8/ Kalaupapa Settlement	101,112 (NA)	67,210 (NA)	67,891 (NA)

NA Not available.

1/ Revised from previous *Data Book*.

2/ Fiscal year ending June 30.

3/ Diamond Head State Monument attendance is derived from revenues received from entrance fees paid by walk-ins, drive-ins, and commercial vehicles.

4/ The Bishop Museum will be temporarily ceasing public operations at its Hawai'i Maritime Center, effective May 1, 2009.

5/ The Contemporary Museum and Honolulu Academy of Arts merged in July 2011 and changed the name to Honolulu Museum of Art.

6/ Since 2007, no updates have been conducted.

7/ Fiscal year ending September 30.

8/ Data included in Data Book prior to 2003 may not be comparable to present figures, as present figures only include recreation visits. Counts include visitors to U.S.S. Arizona Memorial.

9/ Data are estimates.

10/ Kilauea Visitor Center and Jagger Museum are included in the total attendance at Hawaii Volcanoes National Park.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual mail and survey of attractions.

**Table 7.44-- NATIONAL PARKS: 1992 TO 2015**

Year and area	Acreage, Dec. 31			Visits
	Total	Federal	Non-federal	
1992	247,349	235,885	11,464	5,701,769
1993	247,349	235,885	11,464	5,828,583
1994	247,349	235,885	11,464	6,077,475
1995	247,349	235,885	11,464	6,213,924
1996	247,349	235,885	11,464	6,192,178
1997	247,349	235,885	11,464	6,738,001
1998	247,349	235,885	11,464	6,274,424
1999	249,001	237,731	11,270	7,469,412
2000	249,001	237,731	11,270	6,517,693
2001	249,001	237,731	11,270	6,215,669
2002	249,042	237,503	11,539	6,025,991
2003	365,830	354,291	11,539	5,935,099
2004	365,830	354,291	11,539	6,700,980
2005	365,830	354,291	11,539	5,415,722
2006	364,999	353,673	11,326	5,323,425
2007	374,666	363,349	11,317	5,122,855
2008	369,110	357,784	11,326	4,536,505
2009	369,111	357,784	11,326	4,312,818
2010	369,112	357,783	11,329	4,493,123
2011	369,160	357,829	11,331	4,784,285
2012	369,202	357,871	11,331	5,119,035
2013	369,202	357,871	11,331	4,902,696
2014	369,202	357,871	11,331	5,213,817
2015	369,202	357,871	11,331	5,439,034
AREAS: 2015				
Hawaii Volcanoes National Park 1/	323,431	323,431	-	1,832,660
Haleakala National Park	33,264	33,264	-	1,216,772
Pu'u honua o Honaunau National Historical Park	420	419	1	437,286
Kaloko-Honokohau National Historical Park	1,163	616	547	170,683
Pu'ukohola Heiau National Historic Site	86	61	25	139,586
U.S.S. Arizona Memorial	59	57	2	1,574,156
Kalaupapa National Historical Park	10,779	23	10,756	67,891

1/ Federal land excludes 9,654.67 acres under the custody and administration of the National Park Service with their inclusion in the park pending.

Source: U.S. Department of the Interior, National Park Service, Pacific Islands Support Office, for 2008 <<http://www2.nature.nps.gov/stats/>> accessed on July 9, 2009; for 2009 <<http://www.nature.nps.gov/stats/acreagemenu.cfm>> accessed on August 2, 2010, and records.

**Table 7.45-- STATE PARKS AND HISTORIC SITES: 1992 TO 2015**

Year and island	Number of areas, June 30	Acreage, June 30		Recreation visits, year ended June 30 (1,000)
		Total	Developed	
1992 1/	63	25,080	745.6	19,255
1993	63	25,080	745.6	15,112
1994	63	25,099	745.6	14,260
1995	64	26,742	750.6	14,221
1996	64	26,742	750.6	14,221
1997	64	26,742	750.6	12,852
1998	65	26,762	750.6	12,676
1999	65	26,762	750.6	12,661
2000	65	26,762	750.6	13,004
2001	66	31,444	750.6	13,884
2002	67	31,764	750.6	14,226
2003	68	31,788	750.6	13,964
2004	69	31,788	750.6	9,176
2005	70	32,550	750.6	(NA)
2006	70	32,550	750.6	(NA)
2007	71	33,654	750.6	11,693
2008	71	33,555	745.6	(2/)
2009	69	33,522	712.6	(2/)
2010	69	33,522	712.6	(2/)
2011	69	33,522	712.6	(2/)
2012	69	33,522	712.6	(2/)
2013	69	33,522	712.6	(2/)
2014	65	32,896	707.6	(2/)
2015	65	32,883	707.6	(2/)
ISLAND: 2015				
Hawaii	17	6,974.2	258.3	(2/)
Maui	9	326.5	37.9	(2/)
Molokai	1	233.7	10.0	(2/)
Oahu	28	11,247.0	270.8	(2/)
Kauai	10	14,101.1	130.6	(2/)

NA Not available.

1/ In 1992, 9 areas were transferred to the neighbor island counties and 5 were transferred to the City and County of Honolulu. A Big Island park was transferred to the State park system from Hawaii County and one from the City and County of Honolulu.

2/ Since 2007, no updates to visitor counts have been conducted.

Source: Hawaii State Department of Land and Natural Resources, Division of State Parks, records.

**Table 7.46-- MAJOR STATE PARKS: 2014 AND 2015**

[Parks having at least 500,000 recreation visits or 1,000 acres]

Park	Acreage, June 30		Recreation visits, year ended June 30 (1,000)
	Total	Developed	
2014			
Napali Coast State Wilderness Park	6,175.0	4.0	(1/)
Ahupuaa O Kahana State Park	5,228.7	26.0	(1/)
Kokee State Park	4,345.0	55.0	(1/)
Waimea Canyon State Park	1,866.4	10.0	(1/)
Kekaha Kai State Park	1,642.5	5.0	(1/)
Sacred Falls (Kaluanui) State Park 2/	1,374.2	10.0	(1/)
Wailua River State Park	1,092.6	37.4	(1/)
2015			
Napali Coast State Wilderness Park	6,175.0	4.0	(1/)
Ahupuaa O Kahana State Park	5,249.0	26.0	(1/)
Kokee State Park	4,345.0	55.0	(1/)
Waimea Canyon State Park	1,837.4	10.0	(1/)
Kekaha Kai State Park	1,745.5	5.0	(1/)
Sacred Falls (Kaluanui) State Park 2/	998.2	10.0	(1/)
Wailua River State Park	1,466.3	37.4	(1/)

1/ Updates to visitation have not been conducted since 2007.

2/ Park remains closed since May 1999.

Source: Hawaii State Department of Land and Natural Resources, Division of State Parks, records.

**Table 7.47-- NATIONAL AND STATE HISTORIC SITES, BY ISLAND:  
2010 TO 2012**

[As of December 31]

<b>Island</b>	<b>Total sites</b>	<b>Listed Hawaii Register only</b>	<b>Listed National Register only</b>	<b>Listed both Hawaii and National Register</b>	<b>Eligible for National Register 1/</b>
2010					
State total	778	405	103	229	41
Oahu	367	199	64	80	24
Maui	163	82	13	66	2
Hawaii	168	88	21	49	10
Kauai	80	36	5	34	5
2011					
State total	798	418	103	236	41
Oahu	385	211	64	86	24
Maui	165	83	13	67	2
Hawaii	168	88	21	49	10
Kauai	80	36	5	34	5
2012					
State total	821	439	103	238	41
Oahu	406	230	64	88	24
Maui	165	83	13	67	2
Hawaii	170	90	21	49	10
Kauai	80	36	5	34	5

1/ Sites declared eligible for National Register listing by the National Board.

Source: Hawaii State Department of Land and Natural Resources, State Historic Preservation Division, records.

**Table 7.48-- ZOOS: 2010 TO 2015**

<b>Subject and Zoo</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Species 1/ 2/ Honolulu Zoo	207	204	204	208	205	203
Panaewa Rainforest Zoo and Gardens (Hilo)	98	92	93	93	87	87
Individuals 1/ 2/ Honolulu Zoo	808	852	857	886	890	869
Panaewa Rainforest Zoo and Gardens (Hilo)	194	195	201	192	180	180
Attendance 3/ Honolulu Zoo	580,265	603,677	667,981	663,699	606,566	592,780
Panaewa Rainforest Zoo and Gardens (Hilo)	172,737	172,677	213,537	244,533	220,323	214,249

1/ Animal and bird inventory, December 31.

2/ Species and individuals that are owned and on-site including in on loan.

3/ Fiscal year ending June 30.

Source: City and County of Honolulu, Department of Enterprise Services, Honolulu Zoo and County of Hawaii, Department of Parks and Recreation, records.

**Table 7.49-- AQUATIC COLLECTIONS: 2015**

[As of June 30. For annual attendance, see table 7.43]

Phylum or class	Sea Life Park		Waikiki Aquarium	
	Species	Individuals	Species 1/	Individuals
Total	81	1,595	330	2,782
Fishes	42	875	175	1,451
Reptiles	1	27	1	6
Mammals	6	31	1	2
Invertebrates	23	187	154	1,329
Birds	9	475	-	-

1/ Figures reflect differences in classifying of species from previous *Data Book* editions.

Source: Sea Life Park, records; and Waikiki Aquarium, records.

**Table 7.50-- COUNTY PARKS, BY ISLAND: 2013 TO 2015**

[As of December 31]

Island	Number			Acreage		
	2013	2014	2015	2013	2014	2015
State total	707	708	712	10,466	10,641	10,697
Hawaii	206	206	206	2,869	2,869	2,869
Maui	125	127	129	1,861	2,049	2,074
Lanai	5	5	5	24	24	24
Molokai	13	12	12	92	79	79
Oahu	284	284	286	5,133	5,133	5,164
Kauai	74	74	74	487	487	487

Source: County parks and recreation departments.

**Table 7.51-- ATTENDANCE AND WATER SAFETY AT GUARDED BEACH PARKS, FOR THE CITY AND COUNTY OF HONOLULU: 2015**

<b>Beach park</b>	<b>Estimated attendance 1/</b>	<b>Rescues</b>	<b>Drownings</b>	<b>Surfing accidents</b>
All parks	20,968,973	3,375	11	118
Ala Moana	2,989,643	65	1	1
Alii/Haleiwa	306,121	143	-	6
Bellows	114,917	17	-	-
Chuns Reef	193,390	96	-	7
Ehukai	372,544	105	1	18
Hanauma	1,509,961	667	2	-
Kailua	781,904	68	-	-
Keauwaula	240,516	99	2	3
KeWaena	214,916	27	-	5
Kualoa	163,718	11	-	-
Laniakea	274,513	109	-	7
Mali	439,455	60	-	1
Makaha	584,734	119	-	7
Makapuu	195,277	352	-	3
Nanakuli	576,147	62	-	-
Pokai Bay	367,074	26	-	-
Sandy	458,677	502	-	9
Sunset	290,778	78	-	9
Waikiki	9,958,576	522	5	32
Waimanalo	491,550	69	-	3
Waimea	444,562	178	-	7

1/ Attendance is based on headcounts taken 3 times by Water Safety Officers over an 8-hour work day.

Source: City and County of Honolulu, Emergency Services Department, Ocean Safety & Lifeguard Services Division, records.

**Table 7.52-- SWIMMING AND SURFING SITES, BY ISLAND**

<b>Subject</b>	<b>State total 1/</b>	<b>Hawaii</b>	<b>Maui</b>	<b>Lanai</b>	<b>Molokai</b>	<b>Oahu</b>	<b>Kauai</b>
Miles of sandy shoreline 2/	184.9	19.4	32.6	18.2	23.2	50.3	41.2
Primary 3/	24.4	1.2	7.9	-	-	12.5	2.8
Other	160.5	18.2	24.7	18.2	23.2	37.8	38.4
Number of surfing sites 4/	1,600	185	212	99	180	594	330

1/ Excludes Kahoolawe.

2/ Surveyed in 1962.

3/ Safe, clean, accessible, and generally suitable for swimming.

4/ Surveyed in 1971. A surfing site is defined as "a specific wave-breaking zone caused by a shoal and having sufficient consistency to be identified as a surfable riding area, either seasonally or in a combination of seasons, e.g., Queen's Surf, Waikiki."

Source: Hawaii State Department of Planning and Economic Development, *Hawaii's Shoreline* (1965), p.7; and Surfing Education Association, *The 1971 Statewide Surfing Site Survey*, Vol. 1, p. 93.

**Table 7.53-- COUNTY TENNIS FACILITIES: 2001 TO 2015**

[As of December 31]

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
<b>Locations</b>							
2001	88	19	12	2	1	45	9
2002	88	19	12	2	1	45	9
2003	91	19	12	2	1	48	9
2004	91	19	12	2	1	48	9
2005	91	19	12	2	1	48	9
2006	91	19	13	2	1	47	9
2007	91	19	13	2	1	47	9
2008	91	19	13	2	1	47	9
2009	92	19	13	2	1	48	9
2010	93	19	13	2	1	48	10
2011	93	19	13	2	1	48	10
2012	94	19	13	2	1	49	10
2013	95	19	13	2	1	50	10
2014	95	19	13	2	1	50	10
2015	96	19	13	2	1	51	10
<b>Courts</b>							
2001	289	43	39	4	2	179	22
2002	289	43	39	4	2	179	22
2003	309	43	39	4	2	199	22
2004	309	43	39	4	2	199	22
2005	309	43	39	4	2	199	22
2006	310	43	39	4	2	200	22
2007	310	43	39	4	2	200	22
2008	314	43	43	4	2	200	22
2009	318	43	46	4	2	201	22
2010	323	43	49	4	2	201	24
2011	323	43	49	4	2	201	24
2012	326	42	49	4	2	205	24
2013	326	42	47	4	2	207	24
2014	325	42	46	4	2	207	24
2015	326	42	46	4	2	208	24

Source: County parks and recreation departments.

**Table 7.54-- GOLF COURSES, BY NUMBER OF HOLES, TYPE, AND ISLAND: 2016**

Island, and type 1/	Number of golf courses					Number of holes
	Total	9-hole	18-hole	27-hole	36-hole	
State total	85	9	73	2	1	1,485
Military	7	1	6	-	-	117
Municipal	9	1	8	-	-	153
Private	17	3	14	-	-	279
Public	52	4	45	2	1	936
Hawaii	19	2	16	-	1	342
Municipal	1	-	1	-	-	18
Private	7	1	6	-	-	117
Public	11	1	9	-	1	207
Maui	15	1	14	-	-	261
Municipal	1	-	1	-	-	18
Private	3	1	2	-	-	45
Public	11	-	11	-	-	198
Lanai	3	1	2	-	-	45
Public 2/	3	1	2	-	-	45
Molokai	1	1	-	-	-	9
Public	1	1	-	-	-	9
Oahu	38	3	34	1	-	666
Military	7	1	6	-	-	117
Municipal	6	1	5	-	-	99
Private	6	1	5	-	-	99
Public	19	-	18	1	-	351
Kauai	9	1	7	1	-	162
Municipal	1	-	1	-	-	18
Private	1	-	1	-	-	18
Public	7	1	5	1	-	126

1/ Course type Private includes Private-Resort, and Public includes Resort.

2/ Includes Keole Golf Course currently closed for renovations.

Source: Hawaii State Golf Association <<http://www.hawaiiategolf.org/>> accessed July 15, 2016, and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 7.55-- COUNTY GOLF COURSES AND CAMPING PERMITS,  
FOR OAHU: 1991 TO 2015**

Calendar year	Public golf courses			Camping permits issued 1/
	Courses	Holes	Rounds played	
1991	5	81	580,888	9,633
1992	5	81	654,726	9,938
1993	5	81	638,972	10,251
1994	5	81	580,120	8,778
1995	6	99	650,934	10,514
1996	6	99	685,191	10,622
1997	6	99	686,188	15,804
1998	6	99	747,379	16,929
1999	(NA)	(NA)	(NA)	16,884
2000	6	99	663,710	16,947
2001	6	99	638,817	16,375
2002	6	99	607,823	12,045
2003	6	99	602,123	12,045
2004	6	99	560,921	11,128
2005	6	99	530,606	14,847
2006	6	99	538,051	9,179
2007	6	99	556,197	8,469
2008	6	99	578,082	7,622
2009	6	99	563,589	7,636
2010	6	99	534,508	8,815
2011	6	99	465,472	8,960
2012	6	99	464,708	10,773
2013	6	99	442,362	8,460
2014	6	99	416,356	8,599
2015	6	99	400,869	7,461

NA Not available.

1/ By the City and County of Honolulu, camping permits issued reflect cumulative family and group camping permits.

Source: City and County of Honolulu, Department of Parks and Recreation, records and Department of Enterprise Services, records.

**Table 7.56-- SONY OPEN SCORES AND PURSES: 1992 TO 2016**

[The Sony Open is held at the Waialae Country Club golf course. Distance is 7,044 yards par is 70/280. Distance changed from 7,060 yards in 2007. Up until 1998, event known as the Hawaiian Open, which was held at the Waialae Country Club golf course. Distance was 6,975 yards; par was 72/288]

Year	Holes	Winning score		Purse (dollars)	
		Total	Below par	Total	Winner
1992	72	265	23	1,200,000	216,000
1993	72	269	19	1,200,000	216,000
1994	72	269	19	1,200,000	216,000
1995	72	269	19	1,200,000	216,000
1996	72	277	11	1,200,000	216,000
1997	72	271	17	1,200,000	216,000
1998	72	260	28	1,800,000	324,000
1999	72	271	9	2,600,000	468,000
2000	72	261	19	2,900,000	522,000
2001	72	260	20	4,000,000	720,000
2002	72	266	14	4,000,000	720,000
2003	72	264	16	4,500,000	810,000
2004	72	262	18	4,800,000	864,000
2005	72	269	11	4,800,000	864,000
2006	72	261	19	5,100,000	918,000
2007	72	266	14	5,200,000	936,000
2008	72	266	14	5,300,000	954,000
2009	72	265	15	5,400,000	972,000
2010	72	265	15	5,500,000	990,000
2011	72	264	16	5,500,000	990,000
2012	72	267	13	5,500,000	990,000
2013	72	256	24	5,500,000	990,000
2014	72	263	17	5,600,000	1,008,000
2015	72	257	23	5,600,000	1,008,000
2016	72	260	20	5,800,000	1,044,000

Source: *Honolulu Star-Bulletin, The Honolulu Advertiser, and The Honolulu Star-Advertiser*; <<http://espn.go.com/golf/leaderboard?tournamentId=2487>> accessed March 14, 2016.

**Table 7.57-- PUBLIC HUNTING AREAS AND WILDLIFE SANCTUARIES AND REFUGES, BY ISLAND: OCTOBER 30, 2015**

Island	Public hunting areas		Other wildlife sanctuaries and refuges 1/	
	Number	1,000 acres	Number	1,000 acres
State total	122	969,705	57	52.9
Hawaii	62	695,414	6	42.2
Maui	18	68,361	15	0.2
Lanai	3	34,647	5	(2/)
Molokai	5	14,052	10	(2/)
Oahu	14	25,323	17	0.2
Kauai	20	131,908	4	10.3

1/ State managed sanctuaries, refuges and preserves.

2/ Less than 50 acres.

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, records.

**Table 7.58-- FISHING AND HUNTING LICENSES ISSUED: 2009 TO 2015**

[Fiscal years ending June 30]

Type of license	2009	2010	2011	2012	2013	2014	2015
Freshwater fishing	8,279	5,678	2,688	2,759	1,177	4,648	3,552
Hunting	9,653	10,427	10,535	10,738	9,476	10,673	11,958

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources and Division of Forestry and Wildlife, records.

**Table 7.59-- FISHING, HUNTING, AND WILDLIFE-ASSOCIATED RECREATION OF PERSONS 16 YEARS OF AGE AND OLDER: 2011**

Subject	All activities	Hunting and fishing			Wildlife watching
		Both	Fishing	Hunting	
Hawaii residents 1/ Participants (1,000)	(NA)	(NA)	(NA)	(NA)	161
Taking place in Hawaii 1/ Participants, total (1,000)	(NA)	(NA)	157	2/ 23	295
Hawaii residents	(NA)	(NA)	104	2/ 23	88
Residents of other states	(NA)	(NA)	(3/)	(3/)	2/ 207
Expenditures (million dollars)	923	254	203	51	669

NA Not available.

1/ Detail does not add to total because of multiple responses.

2/ Estimate based on a sample size of 10-29.

3/ Sample size too small to report data reliably.

Source: U.S. Fish and Wildlife Service and U.S. Bureau of the Census, 2011 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation (March 2013), pp. 17, 25, 33, 35 and 37

<<http://www.census.gov/prod/2013pubs/fhw11-hi.pdf>> accessed June 10, 2013 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 7.60-- HONOLULU MARATHON REGISTRANTS, FINISHERS AND  
WINNING TIMES: 1992 TO 2015**

Year	Number of registrants	Number of finishers	Winning time (hr., min., sec.)	
			Men	Women
1992	30,905	23,515	2:14:19	2:32:13
1993	29,514	23,640	2:13:16	2:32:20
1994	32,771	25,833	2:15:04	2:37:06
1995	34,434	27,022	2:16:08	2:37:29
1996	30,864	24,414	2:13:23	2:34:28
1997	33,682	26,495	2:12:17	2:33:14
1998	27,704	22,112	2:14:53	2:33:27
1999	26,724	21,211	2:16:45	2:32:36
2000	26,465	22,636	2:15:19	2:28:33
2001	23,513	19,236	2:15:09	2:29:54
2002	30,428	26,477	2:12:29	2:29:08
2003	25,283	22,161	2:12:59	2:31:56
2004	25,671	22,407	2:11:12	2:27:33
2005	28,048	24,295	2:12:00	2:30:24
2006	28,637	24,575	2:13:42	2:27:19
2007	27,829	23,299	2:18:53	2:33:07
2008	23,231	20,062	2:14:35	2:32:36
2009	23,469	20,323	2:12:14	2:28:34
2010	20,417	20,181	2:15:18	2:32:13
2011	22,615	19,078	2:14:55	2:31:41
2012	24,413	24,156	2:12:31	2:31:23
2013	30,291	22,077	2:18:47	2:36:02
2014	30,434	21,827	2:15:35	2:30:23
2015	30,797	21,563	2:11:43	2:28:34

Source: Honolulu Marathon Association, records; Honolulu Marathon Champions & Entrants/Finishers <<http://www.honolulumarathon.org/?s=stats>> and records.

**Table 7.61-- IRONMAN TRIATHLON WORLD CHAMPIONSHIP  
PARTICIPANTS, FINISHERS, AND WINNING TIMES: 1992 TO 2015**

Year	Number of participants	Number of finishers	Winning time (hr., min., sec.)	
			Men	Women
1992	1,379	1,298	8:09:08	8:55:29
1993	1,438	1,353	8:07:45	8:58:23
1994	1,405	1,290	8:20:27	9:20:14
1995	1,444	1,325	8:20:34	9:16:46
1996	1,421	1,288	8:04:08	9:06:49
1997	1,478	1,365	8:33:01	9:31:43
1998	1,487	1,379	8:24:20	9:24:16
1999	1,463	1,411	8:17:17	9:13:02
2000	1,525	1,426	8:21:01	9:26:17
2001	1,468	1,368	8:31:18	9:28:37
2002	1,541	1,455	8:29:56	9:07:54
2003	1,645	1,569	8:22:35	9:11:55
2004	1,728	1,579	8:33:29	9:33:25
2005	1,743	1,688	8:14:17	9:09:30
2006	1,689	1,624	8:11:56	9:18:31
2007	1,787	1,685	8:15:34	9:08:45
2008	1,731	1,634	8:17:45	9:06:23
2009	1,778	1,650	8:20:21	8:54:02
2010	1,849	1,770	8:10:37	8:58:36
2011	1,859	1,773	8:03:56	8:55:08
2012	1,984	1,886	8:18:37	9:15:54
2013	2,134	1,959	8:12:29	8:52:14
2014	2,187	1,985	8:14:18	9:00:55
2015	2,308	2,144	8:14:40	8:57:57

Source: Ironman Triathlon World Championship, records; 1995-1998 race results from JTL Timing Systems Hawaii at <<http://www.ironmantri.com>>; 1999-2009 race results from <<http://www.ironmanlive.com>>; 2010-2015 <<http://www.ironman.com/triathlon/events/americas/ironman/world-championship/results.aspx#axzz31osRdluC>> accessed on May 2, 2016.

**Table 7.62-- TRANSPACIFIC YACHT CLUB'S HONOLULU RACE ENTRIES  
AND WINNING TIMES: 1985 TO 2015**

[The Honolulu Race, sponsored by the Transpacific Yacht Club of Los Angeles,  
is run biennially between San Pedro, California, and Diamond Head  
Lighthouse, a great circle distance of 2,255 nautical miles]

Year	Boats entered	Winning times (days, hours, minutes, seconds)	
		Elapsed	Corrected
1985	65	13:06:31:19	9:14:07:40
1987	55	8:12:00:40	8:00:56:41
1989	45	8:12:50:35	8:02:54:08
1991	42	10:08:59:35	9:22:34:13
1993	42	9:09:11:17	8:28:09:06
1995	35	9:01:32:02	8:22:41:48
1997	39	8:06:31:00	7:01:46:11
1999	33	8:02:52:27	7:08:40:10
2001	34	10:17:49:19	8:01:01:08
2003	57	8:17:01:25	7:12:20:29
2005	76	8:16:25:04	6:08:45:05
2007	73	10:11:51:35	6:14:39:33
2009	86	7:08:17:11	5:07:52:20
2011	64	8:16:59:23	6:05:00:55
2013	58	12:05:23:18	5:12:20:55
2015	60	8:15:56:16	5:15:47:00

Source: Transpac website <<http://www.transpacrace.com>> accessed March 16, 2016.

**Table 7.63-- TOTAL ATTENDANCE AT FOOTBALL BOWL GAMES:  
2009-2010 TO 2015-2016 SEASONS**

<b>Bowl</b>	<b>2009- 2010</b>	<b>2010- 2011</b>	<b>2011- 2012</b>	<b>2012- 2013</b>	<b>2013- 2014</b>	<b>2014- 2015</b>	<b>2015- 2016</b>
Hawaii Bowl	20,217	41,089	19,411	19,712	22,324	25,365	22,793
Pro Bowl	1/ 70,697	49,338	48,423	47,134	47,270	2/ 63,225	50,000

1/ Held in Miami.

2/ Held in Phoenix.

Source: *Honolulu Star-Advertiser*, *Honolulu Star-Bulletin*, *The Honolulu Advertiser*, *USA TODAY*, *Bleacher Report*, *ProBowl Results*, *ESPN*; and Sheraton Hawaii Bowl, records; <<http://www.nfl.com/probowl>> accessed March 14, 2016.

**Table 7.64-- VARSITY SPORTS SUMMARY FOR THE UNIVERSITY OF HAWAII AT MANOA: 2011-2012 TO 2014-2015**

[Includes only games played against four-year collegiate teams]

Sports	Games played 1/				Home games	
	Total	Won	Lost	Tied	Home dates	Attendance
2011-2012						
Baseball	55	30	25	-	35	116,909
Basketball (men's)	32	16	16	-	17	109,723
Basketball (women's)	30	11	19	-	20	29,867
Football	13	6	7	-	6	188,047
Volleyball (men's)	27	7	20	-	15	43,535
Volleyball (women's)	33	31	2	-	23	156,718
2012-2013						
Baseball	51	16	35	-	29	97,355
Basketball (men's)	32	17	15	-	20	124,612
Basketball (women's)	29	17	12	-	19	28,780
Football	12	3	9	-	6	180,186
Volleyball (men's)	28	11	17	-	15	41,031
Volleyball (women's)	30	27	3	-	19	126,827
2013-2014						
Baseball	52	22	31	-	35	109,924
Basketball (men's)	31	20	11	-	19	121,915
Basketball (women's)	31	17	14	-	14	23,456
Football	12	1	11	-	6	185,931
Volleyball (men's)	27	15	12	-	15	44,342
Volleyball (women's)	30	25	5	-	19	144,235
2014-2015						
Baseball	53	21	32	-	30	97,979
Basketball (men's)	35	22	13	-	18	115,816
Basketball (women's)	32	23	9	-	17	34,766
Football	13	4	9	-	7	192,159
Volleyball (men's)	31	24	7	-	17	62,399
Volleyball (women's)	29	22	7	-	19	126,389

1/ Volleyball data refer to matches.

Source: University of Hawaii, Office of Intercollegiate Athletics, Sports Media Relations, records.

See also <<http://www.ncaa.org/stats/>>.

**Table 7.65-- PUBLIC HIGH SCHOOL INTERSCHOLASTIC SPORTS:  
2008-2009 TO 2014-2015 SEASONS**

[Data are for Oahu only (OIA)]

<b>Sport</b>	<b>Players</b>	<b>Games 1/</b>	<b>Attendance</b>	<b>Expenditure 2/ (dollars)</b>
2008-2009				
Baseball	Boys	(NA)	(NA)	24,170
Basketball	Boys and girls	556	19,325	141,018
Football	Boys	166	83,550	164,163
2009-2010				
Baseball	Boys	(NA)	(NA)	42,917
Basketball	Boys and girls	505	18,255	157,027
Football	Boys	166	88,253	170,410
2010-2011				
Baseball	Boys	(NA)	(NA)	26,765
Basketball	Boys and girls	545	18,764	149,476
Football	Boys	162	83,530	165,566
2011-2012				
Baseball	Boys	(NA)	(NA)	27,500
Basketball	Boys and girls	524	28,383	131,945
Football	Boys	185	126,270	167,600
2012-2013				
Baseball	Boys	(NA)	(NA)	39,623
Basketball	Boys and girls	548	26,478	115,903
Football	Boys	185	119,320	208,820
2013-2014				
Baseball	Boys	(NA)	(NA)	34,325
Basketball	Boys and girls	526	27,663	117,430
Football	Boys	192	116,662	220,279
2014-2015				
Baseball	Boys	(NA)	(NA)	23,432
Basketball	Boys and girls	515	29,003	119,338
Football	Boys	193	118,528	237,173

NA Not available.

1/ Junior varsity and varsity games, based on published schedules from public school leagues. Data exclude pre-season and post-season games.

2/ Data on expenditures reflect figures from the general and school trust funds.

Source: Hawaii State Department of Education, Office of Curriculum, Instruction and Student Support, records.

**Table 7.66-- PROFESSIONAL BOXING  
AND MIXED MARTIAL ARTS: 1993 TO 2015**

<b>Subject</b>	<b>Number of promoters</b>	<b>Number of shows</b>	<b>Paid attendance</b>	<b>Gross receipts (dollars)</b>
Pro boxing				
1993	1	1	472	12,385
1994	3	6	8,022	191,150
1995	2	4	2,636	48,280
1996	3	3	2,653	64,781
1997	2	3	1,967	44,645
1998	2	3	2,059	52,510
1999	1	1	479	10,120
2000	3	5	3,106	77,155
2001	3	6	3,489	141,235
2002	3	3	4,477	106,295
2003	1	2	2,623	79,875
2004	1	-	-	-
2005	1	2	877	30,528
2006	-	-	-	-
2007	2	-	-	-
2008	2	3	450	16,000
2009	3	4	3,599	227,150
2010	2	1	(NA)	(NA)
2011	1	1	2,277	126,075
2012	-	-	-	-
2013	-	-	-	-
2014	-	-	-	-
2015	-	-	-	-
MMA				
2009	1	1	(NA)	(NA)
2010	7	17	(NA)	(NA)
2011	8	27	(NA)	(NA)
2012	9	24	(NA)	(NA)
2013	8	26	(NA)	(NA)
2014	8	23	(NA)	(NA)
2015	8	19	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Commerce and Consumer Affairs, Boxing Commission, records.

**Table 7.67-- DOG LICENSES ISSUED, BY ISLAND: 1993 TO 2015**

[Dogs are licensed on a biennial basis]

Year	State total	Hawaii	Maui 1/	Lanai	Molokai	Oahu	Kauai
1993	27,586	4,006	2,427	26	46	20,081	1,000
1994	29,010	4,099	3,171	26	57	19,485	2,172
1995	28,442	4,911	1,446	82	48	20,030	1,925
1996	30,376	5,381	699	32	58	21,245	2,961
1997	28,395	5,871	1,378	33	80	19,713	1,320
1998	28,645	5,777	649	35	83	19,861	2,240
1999	32,137	6,311	4,473	29	84	20,039	1,201
2000	31,147	5,627	4,587	57	25	20,066	785
2001	31,068	5,919	4,285	(NA)	(NA)	18,761	2,103
2002	30,909	6,809	4,420	50	30	17,752	1,848
2003	29,519	6,786	2,901	12	47	16,673	3,100
2004	50,180	8,085	3,977	25	30	2/ 36,121	1,942
2005	53,415	10,454	4,621	24	30	2/ 35,638	2,648
2006	50,440	8,836	4,282	17	27	2/ 35,163	2,115
2007	50,403	6,504	4,997	9	27	2/ 34,966	3,900
2008	50,919	6,186	7,009	16	32	2/ 35,129	2,547
2009	52,623	7,881	5,039	25	36	2/ 35,129	4,513
2010	51,072	7,353	4,683	65	61	2/ 34,797	4,113
2011	49,763	6,647	4,880	22	24	2/ 33,736	4,454
2012	(NA)	6,205	3/ 4,042	(NA)	(NA)	2/ 32,892	2,664
2013	39,227	2,167	3/ 3,978	54	26	32,970	4/ 3,709
2014	(NA)	6,504	3/ 4,034	(NA)	(NA)	32,474	1,595
2015	(NA)	4,609	3/ 3,701	(NA)	(NA)	30,983	4,369

NA Not available.

1/ For the years 1995-1998, the number of registrations issued by the animal shelter (Maui Humane Society) was not included in the count. From year 2000 Maui County reported data in fiscal year, in 2001 Maui County reported 674 licenses which included Lanai and Molokai totals.

2/ Fiscal year ending June 30, figures are estimates.

3/ Figure includes only issued by Maui Humane Society.

4/ Figure includes only issued by Kauai County. As of October 1, 2013, the Kauai Humane Society began issuing dog tags.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism from the county Departments of Finance; Hawaiian Humane Society (for Oahu, 1995-2003); Maui Humane Society (for Maui in 1999-2011); and Kauai Humane Society (for Kauai in 2014-2015).

## Section 8

# ELECTIONS

This section presents data on election districts, registered voters, votes cast, campaign expenditures, elected officials, and legislative activity.

The official results of the primary, general, and special elections are published by the Hawaii State Office of Elections. Additional information is often available from the various county clerks. Earlier figures for Hawaii appear in *Historical Statistics of Hawaii*, Section 24. National statistics appear in the *Statistical Abstract of the United States: 2012*, Section 7.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

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**Table 8.01-- POPULATION OF VOTING AGE REGISTERED VOTERS AND  
VOTES CAST IN GENERAL ELECTIONS: 2006 TO 2014**

Subject	2006	2008	2010	2012	2014 1/
Persons of voting age (1,000) 2/	975	1,004	977	1,083	1,111
Registered voters (1,000)	663	691	691	706	707
Percent	68.0	68.8	70.7	65.2	63.6
Votes cast (1,000)	349	456	385	437	370
Percent	52.7	66.0	55.8	61.9	52.3

1/ Used 2014 Census Bureau Annual Estimates of the resident population for selected age groups.

2/ Resident population 18 years and over, including Armed Forces stationed in Hawaii, aliens, and institutional population. November estimates.

Source: U.S. Census Bureau, <<http://www.census.gov/population/www/socdemo/voting.html>>

U.S. Census Bureau, Population Division, *Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States, Counties, and Puerto Rico Commonwealth and Municipios: April 1, 2010 to July 1, 2014 - Hawaii (PEPAGESEX) (June 2015)*

<[http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?\\_ts=453438084944](http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?_ts=453438084944)> accessed July 10, 2015.

State of Hawaii, Office of Elections, records.

**Table 8.02-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND  
GENERAL ELECTIONS, BY COUNTY: 2014**

Election and county	Registered voters			Votes cast	
	Both sexes	Male	Female	Number	Percent of reg. voters
PRIMARY ELECTION August 9, 2014					
State Total	697,033	332,447	364,586	1/ 289,429	41.5
Hawaii	103,734	49,324	54,410	38,936	37.5
Maui	85,581	40,764	44,817	28,337	33.1
Honolulu	466,553	222,550	244,033	202,728	43.5
Kauai	41,165	19,809	21,356	19,366	47.0
GENERAL ELECTION November 4, 2014					
State Total	706,890	337,293	369,597	2/ 369,703	52.3
Hawaii	105,138	50,013	55,125	50,158	47.7
Maui	87,327	41,591	45,736	46,005	52.7
Honolulu	472,556	225,527	247,029	249,436	52.8
Kauai	41,869	20,162	21,707	24,043	57.4

1/ Includes 31 overseas ballots.

2/ Includes 61 overseas ballots.

Source: State of Hawaii, Office of Elections, records.

**Table 8.03-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND GENERAL ELECTIONS: 1982 TO 2014**

Type and date of election	Registered voters			Votes cast	
	Both sexes	Male	Female	Number	Percent of reg. voters
<b>PRIMARY ELECTIONS</b>					
1982: Sept. 18	385,307	185,763	199,544	272,691	70.8
1984: Sept. 22	398,858	190,525	208,333	221,957	55.6
1986: Sept. 20	398,197	189,655	208,542	281,352	70.6
1988: Sept. 17 1/	419,441	199,440	220,001	275,673	65.7
1990: Sept. 22	436,323	207,897	228,426	276,407	63.3
1992: Sept. 19	432,723	206,642	226,081	251,576	58.1
1994: Sept. 17	468,739	225,986	242,753	309,700	66.1
1996: Sept. 21	531,892	257,616	274,276	275,548	51.8
1998: Sept. 19	582,558	282,773	299,785	291,069	50.0
2000: Sept. 23	629,162	306,090	323,072	250,848	39.9
2002: Sept. 21	667,679	324,162	343,517	274,517	41.1
2004: Sept.18	626,120	301,268	324,852	248,731	39.7
2006: Sept.23	655,741	315,410	340,331	277,251	42.3
2008: Sept.20	667,647	319,910	347,737	246,299	36.9
2010: Sept.18	684,481	327,545	356,936	293,016	42.8
2012: Aug. 11	687,500	328,447	359,053	290,766	42.3
2014: Aug. 9	697,033	332,447	364,586	289,398	41.5
<b>GENERAL ELECTIONS</b>					
1982: Nov. 2	405,005	195,259	209,746	325,459	80.3
1984: Nov. 6	418,904	200,424	218,480	349,253	83.3
1986: Nov. 4	419,794	200,233	219,561	344,387	82.0
1988: Nov. 8	443,742	211,539	232,203	368,567	83.0
1990: Nov. 6	453,389	216,433	236,956	354,144	78.1
1992: Nov. 3	464,495	222,721	241,774	382,882	82.4
1994: Nov. 8	488,889	236,251	252,638	377,011	77.1
1996: Nov. 5	544,916	264,084	280,832	370,230	67.9
1998: Nov. 3	601,404	292,307	309,097	412,520	68.6
2000: Nov. 7	637,349	309,709	327,640	371,033	58.2
2002: Nov. 5	676,242	328,310	347,932	385,462	57.0
2004: Nov. 2	647,238	311,309	335,929	431,662	66.7
2006: Nov. 7	662,728	318,816	343,912	348,988	52.7
2008: Nov. 4	691,356	331,115	360,241	456,064	66.0
2010: Nov. 2	690,748	330,551	360,197	385,464	55.8
2012: Nov. 6	705,668	336,938	368,730	437,159	61.9
2014: Nov. 4	706,890	337,293	369,597	369,642	52.3

1/ Distribution by gender as of September 1, 1988, 16 days before the election.

Source: State of Hawaii, Office of Elections, records.

**Table 8.04-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES:  
PRIMARY ELECTION, AUGUST 09, 2014**

Office, party, and candidate	Votes 1/	Office, party, and candidate	Votes 1/
U.S. SENATOR		U.S. HOUSE, DISTRICT 2	
Democrat		Democrat	
Schatz, Brian	115,445	Gabbard, Tulsi	92,032
Hanabusa, Colleen Wakako	113,663		
Evans, Brian	4,842	U.S. HOUSE, DISTRICT 2 CONTINUED	
Republican		Republican	
Cavasso, Cam	25,874	Crowley, Kawika	9,094
Roco, John P.	4,425	Capelouto, Marissa D.	6,926
Friel, Harry J., Jr.	3,477		
Pirkowski, Eddie	2,033	Liberatarian	
Nonpartisan		Kent, Joe	373
Allison, Joy	388		
Reyes, Arturo Pacheco	184	GOVERNOR	
Libertarian		Democrat	
Kokoski, Michael	568	Ige, David Yutaka	157,050
		Abercrombie, Neil	73,507
U.S. HOUSE, DISTRICT 1		Tanabe, Van K. (Tanaban)	2,622
Democrat		Republican	
Takai, Mark	52,736	Aiona, Duke	41,832
Kim, Donna Mercado	33,678	Gregory, Stuart Todd	640
Chang, Stanley	12,135	Collins, Charles (Trump)	580
Anderson, Ikaika	7,937		
Espero, Will	4,555	Nonpartisan	
Manahan, Joey	4,495	Davis, Misty	201
Xian, Kathryn	3,039	Morse, Richard	98
Republican		Dejean Caldwell, Khis	85
Djou, Charles K.	20,802	Spatola, Joseph R.	40
Levene, Allan	777	Libertarian	
Nonpartisan		Davis, Jeff	587
Meyer, Robert H.	99	Independent	
Griffin, Calvin (G)	94	Hannemann, Mufi	2,103

Continued on next page.

**Table 8.04-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES:  
PRIMARY ELECTION, AUGUST 09, 2014 -- Con.**

Office, party, and candidate	Votes 1/	Office, party, and candidate	Votes 1/
LIEUTENANT GOVERNOR		MAYOR, COUNTY OF MAUI	
Democrat		Arakawa, Alan M.	17,980
Tsutsui, Shan S.	120,779	Paltin, Tamara (Tam)	3,405
Hee, Clayton	81,255	Kay, Alana	1,398
Zanakis, Mary	18,174	Waikiki, Nelson Nahinu Jr.	818
Shiratori, Miles	2,593	Mamuad, Neldon E. (AZD)	724
Puletasi, Sam	2,126	Kopelman, Orion (Ori)	709
Republican		Hawkes, Beau E.	380
Ahu, Elwin P.	27,678	MAYOR, COUNTY OF KAUAI	
Sutton, Warner Kimo	11,511	Carvalho, Bernard P., Jr.	11,151
Libertarian		Barca, Dustin	5,957
Marlin, Cynthia (Lahi)	555	Desilva Carveiro, Debralynn	570
Independent		Lake, C. Hendrix	208
Chang, Les	1,370		

1/ Excludes blank and overvotes.

Source: State of Hawaii, Office of Elections, records and <<http://hawaii.gov/elections/results>> accessed June 30, 2015.

**Table 8.05-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTIONS:  
1988 TO 2014**

<b>Year</b>	<b>Total party ballots cast</b>	<b>Democratic</b>	<b>Republican</b>	<b>Other parties 1/</b>	<b>Nonpartisan</b>	<b>Invalid, blank, multiparty</b>
1988	275,673	221,340	50,924	563	1,340	1,180
1990	276,407	221,839	48,563	963	3,847	1,195
1992	251,576	194,945	49,379	4,290	1,815	1,147
1994	309,700	212,270	58,316	35,355	2,045	1,714
1996	275,548	213,512	54,644	3,273	2,443	1,676
1998	291,069	122,977	159,126	752	197	8,017
2000	250,848	177,269	61,178	2,987	72	9,342
2002	274,517	188,781	79,871	1,392	322	4,151
2004	248,731	176,453	60,222	928	1,567	9,561
2006	281,924	238,040	32,698	5,727	228	5,231
2008	246,299	194,605	42,499	7,120	2,075	250
2010	293,016	240,120	45,733	5,590	1,305	268
2012	290,766	237,036	49,044	2,531	1,944	211
2014	289,398	237,915	44,142	5,955	1,115	271

1/ Includes "Special only" and "Overseas turnout".

Source: State of Hawaii, Office of Elections, records.

**Table 8.06-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTION,  
BY COUNTY: AUGUST 09, 2014**

<b>Party</b>	<b>State total</b>	<b>County of Hawaii</b>	<b>County of Maui</b>	<b>City and County of Honolulu</b>	<b>County of Kauai</b>
Total votes cast 1/	286,724	38,651	27,634	201,263	19,176
Libertarian	710	172	111	351	76
Green	199	37	22	98	42
Democratic	237,915	33,377	23,498	164,815	16,225
Nonpartisan	1,115	178	217	536	184
Republican	44,142	4,479	3,399	33,885	2,379
Independent	2,372	356	353	1,415	248
Invalid, blank, multiparty	271	52	34	163	22

1/ Exclude special and overseas votes.

Source: State of Hawaii, Office of Elections, records.

**Table 8.07-- NUMBER OF PRECINCTS, REGISTERED VOTERS, AND VOTES CAST IN GENERAL ELECTION, BY ISLAND: NOVEMBER 4, 2014**

<b>Island</b>	<b>Number of precincts</b>	<b>Registered voters</b>	<b>Votes cast 1/</b>	<b>Percent voting</b>
State total	232	706,890	180,535	25.5
Hawaii	41	105,138	22,819	21.7
Maui	29	81,345	22,890	28.1
Lanai	1	1,740	533	30.6
Molokai: Molokai District	4	4,200	1,155	27.5
Kalawao District (Kalaupapa)	1	42	-	0.0
Oahu 2/	142	472,556	121,581	25.7
Kauai	15	41,774	11,557	27.7
Niihau	1	95	-	0.0

1/ Election day precinct turnout, does not include absentee mail-in and absentee walk-in voting figures.

2/ Includes the Northwestern Hawaiian Islands as part of the 51st Representative District.

Source: State of Hawaii, Office of Elections, records.

**Table 8.08-- AGE AND SEX OF REGISTERED VOTERS IN  
GENERAL ELECTION: NOVEMBER 4, 2014**

<b>Age</b>	<b>Both sexes</b>	<b>Male</b>	<b>Female</b>
All ages (except 16 or 17 years)	706,890	337,293	369,597
16 or 17 years 1/	1,111	536	575
18 or 19 years	8,656	4,013	4,643
20 to 29 years	90,661	42,085	48,576
30 to 39 years	111,259	53,394	57,865
40 to 49 years	113,322	55,573	57,749
50 to 64 years	205,513	99,857	105,656
65 years and over	177,479	82,371	95,108

1/ These registered individuals will become eligible to vote upon their 18th birthday.  
Source: State of Hawaii, Office of Elections, records.

**Table 8.09-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS,  
1988 TO 2014**

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
<b>PRESIDENT</b>						
1988	354,461	Dukakis, M.	192,364	Bush G.	158,625	3,472
1992	372,842	Clinton, W.	179,310	Bush, G.	136,822	56,710
1996	360,120	Clinton, W.	205,012	Dole, R.	113,943	41,165
2000	367,951	Gore, A.	205,286	Bush, G.W.	137,845	24,820
2004	429,013	Kerry, J.F.	231,708	Bush, G.W.	194,191	3,114
2008	453,568	Obama, B.	325,871	McCain, J.	120,566	7,131
2012	434,697	Obama, B.	306,658	Romney, M	121,015	7,024
<b>U.S. SENATOR</b>						
1988	323,876	Matsunaga, S.	247,941	Hustace, M.	66,987	8,948
1990	349,666	Akaka, D. 2/	188,901	Saiki, P.	155,978	4,787
1992	363,662	Inouye, D.	208,266	Reed, R.	97,928	57,468
1994	356,902	Akaka, D.	256,189	Hustace, M.	86,320	14,393
1998	398,124	Inouye, D.	315,252	Young, C.	70,964	11,908
2000	345,623	Akaka, D.	251,215	Carroll, J.	84,701	9,707
2004	415,347	Inouye, D.	313,629	Cavasso, C.	87,172	14,546
2006	342,842	Akaka, D.	210,330	Thielen, C.	126,097	6,415
2010	370,583	Inouye, D.	277,228	Cavasso, C.	79,939	13,416
2012	430,483	Hirono, M.	269,489	Lingle, L.	160,994	-
2014	353,774	Schatz, B. 3/	246,827	Cavasso, C.	98,006	8,941
<b>U.S. REPRESENTATIVE, DISTRICT 1</b>						
1988	177,020	Bitterman, M.	76,394	Saiki, P.	96,848	3,778
1990	162,711	Abercrombie, N.	97,622	Liu, M.	62,982	2,107
1992	177,476	Abercrombie, N.	129,332	Sutton, W.	41,575	6,569
1994	176,706	Abercrombie, N.	94,754	Swindle, O.	76,623	5,329
1996	172,206	Abercrombie, N.	86,732	Swindle, O.	80,053	5,421
1998	189,571	Abercrombie, N.	116,693	Ward, G.	68,905	3,973
2000	157,194	Abercrombie, N.	108,517	Meyers, P.	44,989	3,688
2002	180,733	Abercrombie, N.	131,673	Terry, M.	45,032	4,028
2004	204,181	Abercrombie, N.	128,567	Tanonaka, D.	69,371	6,243
2006	162,794	Abercrombie, N.	112,904	Hough, R.	49,890	-
2008	199,917	Abercrombie, N.	154,208	Tataii, S.	38,115	7,594
2010	176,863	Hanubusa, C.	94,140	Djou, C.	82,723	-
2012	213,329	Hanubusa, C.	116,505	Djou, C.	96,824	-
2014	179,844	Takai, M.	93,390	Djou, C.	86,454	-

Continued on next page.

**Table 8.09-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS,  
1988 TO 2014 -- Con.**

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
<b>U.S. REPRESENTATIVE, DISTRICT 2</b>						
1988	162,808	Akaka, D.	144,802	None	-	18,006
1990	178,288	Mink, P.	118,155	Poepoe, A.	54,625	5,508
1992	180,955	Mink, P.	131,454	Price, K.	40,070	9,431
1994	177,396	Mink, P.	124,431	Garner, R.	42,891	10,074
1996	180,963	Mink, P.	109,178	Pico, T.	55,729	16,056
1998	207,871	Mink, P.	144,254	Douglass, C.	50,423	13,194
2000	183,230	Mink, P.	112,856	Francis, R.	65,906	4,468
2002	179,251	Mink, P. 4/	100,671	McDermott, B.	71,661	6,919
2004	212,389	Case, E.	133,317	Gabbard, M.	79,072	-
2006	175,150	Hirono, M.	106,906	Hogue, B.	68,244	-
2008	217,914	Hirono, M.	165,748	Evans, R.	44,425	7,741
2010	183,258	Hirono, M.	132,290	Willoughby, J.	46,404	4,564
2012	209,210	Gabbard, T.	168,503	Crowley, K.	40,707	-
2014	180,333	Gabbard, T.	142,010	Crowley, K.	33,630	4,693
<b>GOVERNOR</b>						
1990	340,132	Waihee, J.	203,491	Hemmings, F.	131,310	5,331
1994	369,013	Cayetano, B.	134,978	Saiki, P.	107,908	5/ 126,127
1998	407,556	Cayetano, B.	204,206	Lingle, L.	198,952	4,398
2002	382,110	Hirono, M.	179,647	Lingle, L.	197,009	5,454
2006	344,315	Iwase, R.	121,717	Lingle, L.	215,313	7,285
2010	382,563	Abercrombie, N.	222,724	Aiona, D.	157,311	2,528
2014	366,210	Ige, D.	181,106	Aiona, D.	135,775	49,329

1/ Excludes over votes and blank votes.

2/ D. Akaka was appointed by the Governor to fill the seat made vacant by the death of Senator Matsunaga. He was sworn in on May 16, 1990 and elected on Nov. 8, 1990.

3/ Due to D. Inouye's death on December 17, 2012, a special election was held August 9, 2014 to fill his existing term, B. Shatz (D) won with 246,827 votes.

4/ Due to P. Mink's death on September 28, 2002, a special election was held on November 30, 2002 to fill her existing term seat, E. Case (D) won with 23,576 votes. A special election for the next full term was held on January 4, 2003, E. Case (D) won with 33,002 votes.

5/ 113,158 votes for F. Fasi (Best) and 12,969 votes for K. Dudley (Green).

Source: State of Hawaii, Office of Elections, records and <<http://hawaii.gov/elections/results>> accessed July 14, 2015.

**Table 8.10-- VOTES CAST FOR THE OFFICE OF MAYOR:  
GENERAL ELECTIONS, 1994 TO 2014**

Election year	Total votes cast 1/	Top candidates				Other candidates: votes
		Winner		Runner-up		
		Candidate 2/	Votes	Candidate 2/	Votes	
<b>CITY &amp; COUNTY OF HONOLULU</b>						
1994 3/	254,780	Harris, J.	146,034	Morgado, A.	108,746	-
1996 4/						
2000 5/						
2004 4/	294,544	Hannemann, M.	147,949	Bainum, D.	146,595	-
2008 4/						
2010 6/	298,795	Hannemann, M.	172,997	Kobayashi, A.	125,798	-
2012 4/						
2012 4/	292,454	Caldwell, K.	157,714	Cayetano, B.	134,740	-
<b>COUNTY OF HAWAII</b>						
1996	48,974	Yamashiro, S.(D)	19,807	Bonk, K. (G)	16,659	12,508
2000	50,282	Kim, H. (R)	25,289	Holschuh, F.(D)	14,989	10,004
2004 7/	64,878	Kenoï, B.	37,368	Pilago, K. A.	27,510	-
2008 4/						
2012 4/						
2012 4/	62,174	Kenoï, B.	31,806	Kim, H.	30,368	-
<b>COUNTY OF MAUI</b>						
1994	35,373	Lingle, L. (R)	18,188	Hokama, G.(D)	15,304	1,881
1998	42,451	Apana, J. (D)	22,350	Arakawa, A.(R)	20,101	-
2002	40,671	Arakawa, A. (R)	20,887	Apana, J. (D)	19,784	-
2006	38,179	Tavares, C.	19,964	Arakawa, A.(R)	18,215	-
2010 4/	41,139	Arakawa, A.	24,195	Tavares, C.	16,944	-
2014 4/	43,597	Arakawa, A.	25,435	Paltin, T.	18,162	-

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**Table 8.10-- VOTES CAST FOR THE OFFICE OF MAYOR:  
GENERAL ELECTIONS, 1994 TO 2014 -- Con.**

Election year	Total votes cast 1/	Top candidates				Other candidates: votes
		Winner		Runner-up		
		Candidate 2/	Votes	Candidate 2/	Votes	
COUNTY OF KAUAI						
1994	21,309	Kusaka, M. (R)	11,321	Tehada, J. (D)	9,988	-
1998	23,679	Kusaka, M. (R)	14,115	Thronas, M. (D)	9,564	-
2002 4/	22,691	Baptiste, B.	12,174	Kouchi, R.	10,517	-
2006 8/						
2008 4/	26,556	Carvalho, B.	15,861	Yukimura, J	10,695	-
2010 4/	21,422	Carvalho, B.	17,744	LaBedz, D.	3,678	-
2014 4/	22,883	Carvalho, B.	14,688	Barca, D.	8,195	-

1/ Excludes over votes and blank votes.

2/ D, Democrat; G, Green; R, Republican.

3/ In 1994, Mayor Fasi resigned to run for governor, creating the need for a special election to choose his successor. This special election was held in conjunction with the 1994 primary election, with all 14 candidates running on a nonpartisan, winner-take-all basis. J. Harris, A. Morgado and other candidates received 67,670, 58,018 and 87,928 votes, respectively.

4/ Nonpartisan election.

5/ In the nonpartisan primary election, Jeremy Harris won with over 50% of the votes, therefore, a runoff in the general election was not necessary. J. Harris, M. Hannemann and F. Fasi received 94,067, 65,652 and 23,293 votes, respectively.

6/ In 2010, Mayor Hannemann resigned to run for governor, creating the need for a special election to choose his successor. This special election was held in conjunction with the 2010 primary election, with all 8 candidates running on a nonpartisan, winner-take-all basis. P. Carlisle, K. Caldwell and other candidates received 80,553, 71,815 and 43,851 votes, respectively.

7/ Contest was decided in the Primary Election, Harry Kim won with 20,521 votes.

8/ Contest was decided in the Primary Election, Bryan Baptiste won with 8,173 votes.

Source: State of Hawaii, Office of Elections, records and <<http://hawaii.gov/elections/results>> accessed July 14, 2015.

**Table 8.11-- VOTES CAST FOR MAJOR OFFICES, BY COUNTY:  
GENERAL ELECTION, NOVEMBER 4, 2014**

[Excludes blank and overvotes]

Office, candidate and party 1/	County of Hawaii	County of Maui	City and County of Honolulu	County of Kauai
<b>U.S. SENATOR</b>				
Schatz, Brian (D)	35,509	31,668	163,411	16,189
Cavasso, Cam (R)	11,093	10,165	71,487	5,250
Kokoski, Michael (L)	1,881	1,634	4,889	537
<b>U.S. HOUSE, DISTRICT 1</b>				
Takai, Mark (D)	(X)	(X)	93,361	(X)
Djou, Charles (R)	(X)	(X)	86,444	(X)
<b>U.S. HOUSE, DISTRICT 2</b>				
Gabbard, Tulsi (D)	38,874	35,487	49,141	18,490
Crowley, Kawika (R)	8,387	6,974	14,667	3,599
Kent, Joe (L)	1,571	1,406	1,344	371
<b>GOVERNOR</b>				
Ige, David (D)	25,674	23,669	119,312	12,451
Aiona, Duke (R)	15,387	12,614	100,279	7,495
Hannemann, Mufi (I)	7,308	7,641	25,085	2,900
Davis, Jeff (L)	1,443	1,073	3,296	583

X Not applicable.

1/ D, Democrat; I, Independent; L, Libertarian; and R, Republican.

Source: State of Hawaii, Office of Elections, records and <<http://hawaii.gov/elections/results>> accessed July 14, 2015.

**Table 8.12-- NEIGHBORHOOD BOARD ELECTIONS, FOR OAHU:  
1989 TO 2015**

Year	Number of boards		Board seats elected	Ballots mailed 2/ 3/	Voters (ballots cast)
	In operation, Dec. 31	Holding elections 1/			
1989	30	30	438	273,954	91,285
1991	30	30	438	260,923	85,457
1993	30	30	444	279,392	97,476
1995	31	31	447	281,437	85,597
1997	32	32	456	273,768	83,278
1999	32	32	408	299,799	82,574
2001	32	32	454	223,636	69,134
2003	32	32	444	159,917	42,841
2005	32	32	444	194,282	48,487
2007	32	32	444	231,135	44,256
2009	33	33	445	115,000	7,289
2011	33	33	439	156,600	13,264
2013	33	33	439	177,882	15,318
2015	33	33	439	194,080	19,722

1/ 1986 rules provide for all board elections to be held at the same time, rather than staggered throughout the year.

2/ 2000 rules provide for uncontested candidates to be declared elected, thus no ballots are mailed for uncontested candidates.

3/ In 2009, 2011, 2013 and 2015 ballots were cast online or via an automated phone system. Passcodes were mailed out to eligible voters.

Source: City and County of Honolulu, Neighborhood Commission, records.

**Table 8.13-- PARTY MEMBERSHIP OF THE STATE LEGISLATURE:  
1987 TO 2016**

Regular session	House of Representatives				Senate			
	Total	Demo-crats	Repub-licans	Other	Total	Demo-crats	Repub-licans	Other
1987	51	40	11	-	25	20	5	-
1989	51	45	6	-	25	22	3	-
1991	51	45	6	-	25	22	3	-
1993	51	47	4	-	25	22	3	-
1995	51	44	7	-	25	23	2	-
1997	51	39	12	-	25	23	2	-
1999	51	39	12	-	25	23	2	-
2000	51	32	19	-	25	22	3	-
2001	51	32	19	-	25	22	3	-
2002	51	36	15	-	25	20	5	-
2003	51	36	15	-	25	20	5	-
2004	51	36	15	-	25	20	5	-
2005	51	41	10	-	25	20	5	-
2006	51	41	10	-	25	20	5	-
2007	51	43	8	-	25	20	5	-
2008	51	44	7	-	25	21	4	-
2009	51	45	6	-	25	23	2	-
2010	51	45	6	-	25	23	2	-
2011	51	43	8	-	25	24	1	-
2012	51	43	8	-	25	24	1	-
2013	51	44	7	-	25	24	1	-
2014	51	44	7	-	25	24	1	-
2015	51	44	7	-	25	24	1	-
2016	51	44	7	-	25	24	1	-

Source: Hawaii State Office of Elections, records; Hawaii State Legislature, <<http://www.capitol.hawaii.gov/members/legislators.aspx?chamber=H>> and <<http://www.capitol.hawaii.gov/members/legislators.aspx?chamber=S>> accessed March 14, 2016.

**Table 8.14-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2016**

Year	Regular sessions		Special sessions	
	Date convened	Length 1/	Date convened	Length 1/
1992	Jan. 15	2/ 107	None	-
1993	Jan. 20	104	Aug. 23	22
1994	Jan. 19	104	None	-
1995	Jan. 18	104	3/ June 5	4/ 7
1996	Jan. 17	104	None	-
1997	Jan. 15	5/ 107	None	-
1998	Jan. 21	6/ 114	None	-
1999	Jan. 20	105	None	-
2000	Jan. 19	105	7/ Aug. 3	8/ 18
2001	Jan. 17	107	9/ June 4	10/ 18
2002	Jan. 16	107	None	-
2003	Jan. 15	107	July 8	1
2004	Jan. 21	107	None	-
2005	Jan. 19	107	July 12	1
2006	Jan. 18	107	None	-
2007	Jan. 17	107	11/ Jul 10	12/ 11
2008	Jan. 16	107	13/ July 8	14/ 5
2009	Jan. 21	15/ 108	16/ July 15	17/ 5
2010	Jan. 20	100	18/ Aug. 5	19/ 4
2011	Jan. 19	107	Aug.31	2
2012	Jan. 18	107	June 28	2
2013	Jan. 16	107	20/ Aug. 5	21/ 18
2014	Jan. 15	107	Oct. 22	2
2015	Jan. 21	107	Nov. 5	2
2016	Jan. 20	107	22/ June 23	23/ 5

Continued on next page.

## **Table 8.14-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2016 -- Con.**

1/ Calendar days, including Saturdays, Sundays, holidays, and recess days, including mandatory five-day recess required by Art. III, sec. 10, of the Hawaii Constitution.

2/ Session extended 2 days by the legislature and 5 hours (at one hour intervals) by Governor Waihee.

3/ The Second Special Session of 1995 convened on September 20.

4/ Combined length for First Special Session (5 days) and Second Special Session (2 days).

5/ Session extended 1 day by the legislature.

6/ Session extended by Governor Cayetano from May 6 to May 14.

7/ The Second Special Session of 2000 convened on August 7.

8/ Combined length for the First Special Session (2 days) and Second Session (16 days).

9/ The Second Special Session of 2001 convened on July 10 and the Third Special Session of 2001 convened on October 22.

10/ Combined length for the First Special Session (5 days), Second Special Session (1 day), and Third Special Session (12 days).

11/ The Second Special Session of 2007 convened on October 24 and the Third Special Session of 2007 convened on November 19.

12/ Combined length for the First Special Session (1 day), Second Special Session (8 days), and Third Special Session (2 days).

13/ The Second Special Session of 2008 convened on July 30 and the Third Special Session of 2008 convened on November 17.

14/ Combined length for the First Special Session (1 day), Second Special Session (2 days), and Third Special Session (2 days).

15/ Session extended 2 days by the legislature.

16/ The Second Special Session of 2009 convened on August 18 and the Third Special Session of 2009 convened on November 19.

17/ Combined length for the First Special Session (1 day), Second Special Session (2 days), and Third Special Session (2 days).

18/ The Second Special Session of 2010 convened on September 1.

19/ Combined length for the First Special Session (2 days) and Second Special Session (2 days).

20/ The Second Special Session of 2013 convened on October 28.

21/ Combined length for the First Special Session (2 days) and Second Special Session (16 days).

22/ The Second Special Session of 2016 convened on July 12.

23/ Combined length for the First Special Session (2 days) and Second Special Session (3 days).

Source: Legislative Reference Bureau, records.

**Table 8.15-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION:  
2014 AND 2015**

Action	Session			
	2014		2015	
	Regular	Special	Regular	Special
House bills				
Carried over from previous year	1,361	-	-	-
Introduced	1,185	-	1,515	-
Passed 1/	129	-	117	-
Vetoed	4	-	2	-
Became law 2/	124	-	115	-
Senate bills				
Carried over from previous year	1,218	-	-	-
Introduced	1,127	-	1,379	-
Passed 3/	116	-	135	-
Vetoed	4	-	6	-
Became law 4/	111	-	128	-
House resolutions				
Offered	220	-	185	-
Adopted	93	-	78	-
House concurrent resolutions				
Offered	247	-	229	-
Adopted	32	-	34	-
Senate resolutions				
Offered	88	1	138	1
Adopted	25	1	51	1
Senate concurrent resolutions				
Offered	149	-	201	-
Adopted	38	-	27	-

Continued on next page.

**Table 8.15-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION:  
2014 AND 2015 -- Con.**

1/ The 2014 total includes H.B. 420 and H.B. 748 which propose constitutional amendments.

2/ The 2014 total includes H.B. 1830, H.B. 1977, and H.B. 2496 which became law without the Governor's signature. The 2014 total also includes H.B. 1700 which contains vetoed items. The 2015 total includes H.B. 541 which became law without the Governor's signature.

3/ The 2014 total includes S.B. 2876 which propose a constitutional amendment. The 2015 total includes S.B. 143 which proposes a constitutional amendment.

4/ The 2014 total includes S.B. 2288, S.B. 2365, S.B. 2470, S.B. 2483, S.B. 2682, and S.B. 2821 which became law without the Governor's signature. The 2015 total includes S.B. 118, S.B. 1092, and S.B. 1297 which became law without the Governor's signature.

Source: Legislative Reference Bureau, records.

**Table 8.16-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION:  
2016**

Action	Session		
	Regular	1st Special	2nd Special
House bills			
Carried over from previous year	1,398	(X)	(X)
Introduced	1,260	-	-
Passed	149	-	-
Vetoed	5	-	-
Became law 1/	144	-	-
Senate bills			
Carried over from previous year	1,244	(X)	(X)
Introduced	1,127	-	-
Passed 2/	123	-	-
Vetoed	3	-	-
Became law 3/	119	-	1
House resolutions			
Offered	177	-	3
Adopted	73	-	3
House concurrent resolutions			
Offered	207	-	2
Adopted	34	-	2
Senate resolutions			
Offered	130	1	2
Adopted	51	1	2
Senate concurrent resolutions			
Offered	165	-	-
Adopted	26	-	-

X Not applicable.

1/ The 2016 total includes H.B. 2561 and H.B. 2604 which became law without the Governor's signature.

2/ The 2016 total includes S.B. 2554 which proposes a constitutional amendment.

3/ The 2016 total includes S.B. 2542 and S.B. 2559 which became law without the Governor's signature.

The 2016 Second Special total includes S.B. 2077 which was vetoed then overridden.

Source: Legislative Reference Bureau, records.

## Section 9

# GOVERNMENT FINANCES AND EMPLOYMENT

This section presents statistics relating to the revenues, expenditures, debt, and civilian employment of Federal, State and county governments in Hawaii. Additional information appears in Sections 10 and 12.

Local government is vested in one combined city-county (Honolulu, consisting of the Island of Oahu and outlying islets), three non-metropolitan counties (Hawaii, Kauai, and Maui), and one area (Kalawao County) administered by the Hawaii State Department of Health. Separate municipal governments do not exist.

Important sources for statistics on government in Hawaii include the quinquennial U.S. Census of Governments and various annual publications of the U.S. Census Bureau, reports of the U.S. Internal Revenue Service, Hawaii State Department of Accounting and General Services, Hawaii State Department of Budget and Finance, Hawaii State Department of Taxation, the County auditors and finance directors, and annual compilation by the Tax Foundation of Hawaii, most recently published as *Government in Hawaii: A Handbook of Financial Statistics*. Data extending back to the middle of the 19th century are summarized in *Historical Statistics of Hawaii*, Section 25. Comparable national statistics appear in the *Statistical Abstract of the United States: 2012*, Sections 8 and 9.

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**Table 9.01-- FEDERAL, STATE, AND COUNTY TAX COLLECTIONS:  
1980 TO 2015**

[In thousands of dollars. For fiscal year ending September 30 for federal, June 30 for others]

Year	All levels	Federal	State and counties		
			Total	State	Counties
1980	2,966,128	1,670,459	1,295,669	1,255,622	40,047
1981	3,245,507	1,826,363	1,419,144	1,371,490	47,655
1982	3,314,106	1,876,628	1,437,478	1,132,699	304,779
1983	3,451,664	1,897,858	1,553,806	1,225,010	328,796
1984	3,655,283	1,980,467	1,674,816	1,331,551	343,265
1985	3,922,942	2,116,773	1,806,169	1,440,553	365,616
1986	4,296,653	2,337,028	1,959,625	1,562,195	397,429
1987	4,997,831	2,809,135	2,188,696	1,776,430	412,266
1988	5,765,935	3,310,750	2,455,185	2,033,181	422,004
1989	6,464,598	3,731,845	2,732,753	2,283,891	448,862
1990	7,212,998	4,264,127	2,948,871	2,441,273	507,598
1991	7,904,148	4,570,534	3,333,614	2,753,562	580,052
1992	7,975,929	4,542,943	3,432,986	2,772,325	660,662
1993	8,033,353	4,489,142	3,544,211	2,829,710	714,501
1994	8,346,551	4,613,645	3,732,906	2,991,811	741,096
1995	8,211,146	4,461,739	3,749,407	3,012,835	736,572
1996	8,571,030	4,573,256	3,997,774	3,257,099	740,675
1997	(NA)	(1/)	4,040,110	3,301,030	739,081
1998	8,748,424	4,690,970	4,057,454	3,324,827	732,627
1999	9,628,577	5,566,221	4,062,356	3,334,087	728,269
2000	10,483,283	6,236,857	4,246,426	3,496,500	749,926
2001	(NA)	6,689,385	(NA)	(NA)	(NA)
2002	9,930,343	5,559,960	4,370,383	3,564,850	805,533
2003	9,836,631	5,262,429	4,574,202	3,723,126	851,076
2004 2/	13,206,833	8,394,777	4,812,056	3,849,135	962,921
2005 2/	12,204,228	6,680,481	5,523,747	4,434,356	1,089,391
2006 2/	13,321,730	7,122,326	6,199,404	4,918,655	1,280,749
2007 2/	14,227,076	7,666,494	6,560,582	5,090,499	1,470,083
2008 2/	15,244,258	8,489,937	6,754,321	5,147,569	1,606,752
2009 2/	13,316,025	6,747,592	6,568,433	4,712,651	1,855,782
2010 2/	13,037,803	6,280,828	6,756,975	4,837,862	1,919,113
2011 2/	12,879,583	6,127,725	6,751,858	4,857,729	1,894,129
2012 2/ 3/	13,957,036	6,511,578	7,445,458	5,516,146	1,929,312
2013 2/	15,180,904	7,139,728	8,041,176	6,092,893	1,948,283
2014 2/	(NA)	7,722,840	(NA)	6,033,331	(NA)
2015 2/	(NA)	8,221,290	(NA)	(NA)	(NA)

NA Not available.

1/ *IRS Data Book 1997* contains data for the Pacific-Northwest of which Hawaii is a part. No Hawaii detail.

2/ State and county compilation by the U.S. Census Bureau is generally based on the same source documents as the Tax Foundation of Hawaii but may not be strictly comparable in the treatment of specific categories.

3/ 'All levels', 'Total state and counties', and 'Counties' revised from previous *Data Book*.

Source: Tax Foundation of Hawaii, *Government in Hawaii* (annual) and unpublished compilations of Hawaii State Department of Accounting and General Services, Annual Report of the Comptroller (annual) and of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports); and U.S. Department of the Treasury, Internal Revenue Service, *Annual Report of the Commissioner* (annual through 1992); *Internal Revenue Service Data Book* (annual, beginning 1992); and for 2001 to 2015 <<http://www.irs.gov/uac/SOI-Tax-Stats-IRS-Data-Book>> accessed March 31, 2016; U.S. Census Bureau, "State & Local Summary Tables by Level of Government - Hawaii" (annual from 2004) <<http://www.census.gov/govs/index.html>> accessed March 31, 2016; Ibid. "Annual Survey of State Government Tax Collections" (annual) <<http://www.census.gov/govs/statetax/>> accessed April 15, 2015; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.02-- FEDERAL TAX COLLECTIONS, BY SOURCE: 2011 to 2015**

[In thousands of dollars. For fiscal year ending September 30. Receipts shown for the State of Hawaii does not necessarily indicate the Federal tax burden, since, in many instances, taxes are collected in one state from residents of, or operations in, another. Also, taxes of corporations may be paid from the principal office, although the operations of these corporations may be located in one or more state(s). Collections are gross, i.e. not net of refunds. Collections relate to the given fiscal year for the most part. However, in a given fiscal year, refunds may be issued for a tax paid in a prior year, and therefore, the total refund may exceed the collection amount] Through an improved location methodology, entities are now more accurately distributed by State. Beginning with FY 2005, the ZIP Code on the tax return is used to classify returns by State. In prior years, the location of the IRS District Office associated with the taxpayer's account was used to determine State distribution]

Source	2011	2012	2013	2014	2015
Federal collections	6,127,725	6,511,578	7,139,728	7,722,840	8,221,290
Corporate income 1/	365,380	398,720	383,103	376,857	476,171
Individual income and employment	5,610,788	5,922,132	6,528,499	7,090,806	7,468,136
Income tax not withheld & SECA 2/	1,240,301	1,277,012	1,491,985	1,659,610	1,875,437
Estate and trust income tax	45,639	38,631	55,782	94,686	73,858
Income tax withheld & FICA 3/	4,305,223	4,589,302	4,964,710	5,320,158	5,501,597
Railroad retirement	-	-	-	-	-
Unemployment insurance	19,625	17,187	16,021	16,352	17,244
Estate	16,004	29,547	41,803	31,992	35,687
Gift	5,159	9,057	22,571	1,636	985
Excise 4/	130,395	152,122	163,752	221,549	240,311

1/ Includes taxes on corporation income and unrelated business income from tax-exempt organizations.

2/ SECA Self-Employment Insurance Contributions Act, includes Old-Age, Survivors, Disability, and Hospital Insurance taxes on self-employment income. Included estate and trust income tax collections through 2008 but which is shown separately beginning in 2009.

3/ FICA Federal Insurance Contributions Act, includes Old-Age, Survivors, Disability, and Hospital Insurance taxes on wages and salaries.

4/ Excludes excise taxes collected by the Customs Service and the Alcohol and Tobacco Tax and Trade Bureau.

Source: U.S. Department of the Treasury, Internal Revenue Service, *Internal Revenue Service Data Book* (annual) <<http://www.irs.gov/uac/SOI-Tax-Stats-IRS-Data-Book>> accessed March 30, 2016.

**Table 9.03-- STATE AND LOCAL GOVERNMENT REVENUES: 1992 TO 2014**

[Data rounded to thousands of dollars. For fiscal year ending June 30. Duplicative intergovernmental transactions are excluded]

Year	State & local	State	Local
1992	6,521,997	5,298,548	1,363,460
1993	6,860,466	5,543,158	1,500,924
1994	7,075,297	5,697,740	1,558,721
1995	7,179,570	5,777,523	1,599,500
1996	7,820,751	6,383,347	1,619,347
1997	8,144,623	6,700,545	1,620,451
1998	8,259,443	6,760,740	1,666,552
1999	8,093,565	6,646,380	1,607,842
2000	8,488,284	6,940,637	1,703,365
2001	(1/)	(1/)	(1/)
2002	7,451,684	5,868,714	1,739,130
2003	(1/)	(1/)	(1/)
2004	10,174,146	8,420,828	1,937,147
2005	11,000,269	9,091,681	2,107,119
2005	11,998,548	9,856,552	2,378,623
2005	13,592,500	11,100,927	2,649,538
2005	11,968,775	9,298,617	2,909,935
2005	9,920,831	6,945,777	3,250,884
2005	14,665,662	11,609,211	3,285,202
2005	15,945,159	12,807,096	3,382,139
2012 2/	13,887,205	10,600,634	3,530,419
2013 2/	16,384,826	12,944,952	3,681,970
2014	(NA)	15,055,561	(NA)

NA Not available.

1/ There are no state-by-state statistics available.

2/ Revised from previous *Data Book*.

Source: U.S. Census Bureau, "State and Local Government Finances by Level of Government and by State" (annual) <<http://www.census.gov/govs/>> accessed June 8, 2016; and "State Government Finances: 2014" <<http://factfinder.census.gov/bkmk/table/1.0/en/SGF/2014/00A1/0100000US|0400000US15>> accessed June 8, 2016.

**Table 9.04-- STATE GOVERNMENT TAX COLLECTIONS: 2010 TO 2014**

[Data rounded to thousands of dollars. For fiscal year ending June 30. The Census Bureau revised 2012 and 2013 on April 16, 2015 but Hawaii data were not affected]

Source	2010	2011	2012	2013	2014
Total taxes	4,837,862	4,857,729	5,516,146	6,092,893	6,033,331
Sales and gross receipts	3,044,380	3,335,562	3,581,652	3,932,220	3,847,662
General sales & gross receipts	2,316,434	2,495,807	2,697,951	2,944,487	2,825,041
Selective sales taxes	727,946	839,755	883,701	987,733	1,022,621
Alcoholic beverages	44,074	48,054	48,854	48,962	48,305
Insurance premiums	108,646	143,455	122,401	136,542	142,051
Motor fuels	86,370	95,310	93,349	92,516	93,598
Public utilities	157,661	117,940	150,528	163,930	166,179
Tobacco products	105,523	125,797	121,971	112,104	107,685
Other selective sales	225,672	309,199	346,598	433,679	464,803
Licenses	145,952	151,525	258,795	230,189	223,543
Corporation	1,461	1,479	1,539	1,606	1,691
Hunting & fishing	378	432	465	488	536
Motor vehicle	100,575	104,923	206,164	175,341	168,980
Motor vehicle operators	241	349	487	389	360
Public utility	20,325	15,785	17,810	20,111	21,183
Occupation & business, NEC	21,682	27,386	31,168	30,866	29,480
Other licenses	1,290	1,171	1,162	1,388	1,313
Income taxes	1,607,643	1,315,150	1,621,002	1,859,379	1,871,506
Individual income	1,527,790	1,247,291	1,540,746	1,735,718	1,745,461
Corporation net income	79,853	67,859	80,256	123,661	126,045
Other taxes	39,887	55,492	54,697	71,105	90,620
Death and gift	-	6,899	14,125	14,886	14,789
Documentary & stock transfer	39,887	48,593	40,572	56,219	75,831

Source: U.S. Census Bureau, "Annual Survey of State Government Tax Collections" (annual)  
 <<http://www.census.gov/govs/statetax/>> accessed April 16, 2015.

**Table 9.05-- STATE GOVERNMENT TAX COLLECTIONS FOR THE UNITED STATES AND HAWAII: 2013**

[For fiscal year ending June 30 except for New York (March 31), Texas (August 31), Alabama and Michigan (September 30). Taxes are net of refunds. Amounts in thousands of dollars and capita in dollars]

Item	United States		Hawaii	
	Amount	Per capita 1/	Amount	Per capita 1/
Total taxes	847,096,988	2,676.47	6,092,893	4,324.31
Property taxes	13,239,497	41.83	(X)	(X)
Sales and gross receipts	397,727,292	1,256.65	3,932,220	2,790.81
General sales and gross receipts	258,921,934	818.09	2,944,487	2,089.79
Selective sales taxes	138,805,358	438.57	987,733	701.02
Alcoholic beverages	6,062,487	19.15	48,962	34.75
Amusements	6,879,335	21.74	(X)	(X)
Insurance premiums	17,354,503	54.83	136,542	96.91
Motor fuels	40,143,269	126.84	92,516	65.66
Pari-mutuels	129,728	0.41	(X)	(X)
Public utilities	14,496,525	45.80	163,930	116.35
Tobacco products	17,091,905	54.00	112,104	79.56
Other selective sales	36,647,606	115.79	433,679	307.79
Licenses	51,009,480	161.17	230,189	163.37
Alcoholic beverages	690,869	2.18	(X)	(X)
Amusements	606,412	1.92	(X)	(X)
Corporation	6,698,624	21.16	1,606	1.14
Hunting and fishing	1,561,225	4.93	488	0.35
Motor vehicle	23,223,659	73.38	175,341	124.44
Motor vehicle operators	2,558,587	8.08	389	0.28
Public utility	941,696	2.98	20,111	14.27
Occupation and business, NEC	13,548,925	42.81	30,866	21.91
Other licenses	1,179,483	3.73	1,388	0.99
Income taxes	354,613,207	1,120.43	1,859,379	1,319.66
Individual income	309,736,583	978.64	1,735,718	1,231.89
Corporation net income	44,876,624	141.79	123,661	87.77
Other taxes	30,507,512	96.39	71,105	50.47
Death and gift	4,882,857	15.43	14,886	10.57
Documentary and stock transfer	6,344,716	20.05	56,219	39.90
Severance	16,774,360	53.00	(X)	(X)
Taxes, NEC	2,505,579	7.92	-	-

X Not applicable.

1/ Based on July 1, 2013 population for the United States of 316,497,531 and for Hawaii 1,408,987. As released December 2014 by the U.S. Census Bureau, Population Division, "Table 1. Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2014 (NST-EST2014-01) <<http://www.census.gov/popest/data/state/totals/2014/tables/NST-EST2014-01.xls>> accessed April 16, 2015.

Source: U.S. Census Bureau, "State Government Tax Collections: 2013" (April 8, 2014) <<http://factfinder2.census.gov/bkmk/table/1.0/en/STC/2013/STC003>> accessed July 9, 2014 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.06-- STATE GOVERNMENT TAX COLLECTIONS FOR THE UNITED STATES AND HAWAII: 2014**

[For fiscal year ending June 30 except for New York (March 31), Texas (August 31), Alabama and Michigan (September 30). Taxes are net of refunds. Amounts in thousands of dollars and per capita in dollars]

Item	United States		Hawaii	
	Amount	Per capita 1/	Amount	Per capita 1/
Total taxes	865,752,089	2,715.17	6,033,331	4,250.14
Property taxes	14,232,835	44.64	(X)	(X)
Sales and gross receipts	411,414,175	1,290.28	3,847,662	2,710.46
General sales and gross receipts	271,286,848	850.81	2,825,041	1,990.08
Selective sales taxes	140,127,327	439.47	1,022,621	720.38
Alcoholic beverages	6,154,774	19.30	48,305	34.03
Amusements	7,235,121	22.69	-	-
Insurance premiums	18,094,904	56.75	142,051	100.07
Motor fuels	41,499,698	130.15	93,598	65.93
Pari-mutuels	124,177	0.39	-	-
Public utilities	14,153,774	44.39	166,179	117.06
Tobacco products	16,912,535	53.04	107,685	75.86
Other selective sales	35,952,344	112.75	464,803	327.43
Licenses	51,120,024	160.32	223,543	157.47
Alcoholic beverages	605,542	1.90	-	-
Amusements	472,331	1.48	-	-
Corporation	6,195,396	19.43	1,691	1.19
Hunting and fishing	1,537,007	4.82	536	0.38
Motor vehicle	23,811,206	74.68	168,980	119.04
Motor vehicle operators	2,506,319	7.86	360	0.25
Public utility	947,725	2.97	21,183	14.92
Occupation and business, NEC	13,810,544	43.31	29,480	20.77
Other licenses	1,233,954	3.87	1,313	0.92
Income taxes	357,104,785	1,119.95	1,871,506	1,318.37
Individual income	310,828,815	974.82	1,745,461	1,229.58
Corporation net income	46,275,970	145.13	126,045	88.79
Other taxes	31,880,270	99.98	90,620	63.84
Death and gift	4,747,791	14.89	14,789	10.42
Documentary and stock transfer	6,823,581	21.40	75,831	53.42
Severance	17,780,808	55.76	(X)	(X)
Taxes, NEC	2,528,090	7.93	-	-

X Not applicable.

1/ Based on July 1, 2014 population for the United States of 318,857,056 and for Hawaii 1,419,561. As released December 2014 by the U.S. Census Bureau, Population Division, "Table 1. Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2014 (NST-EST2014-01) <<http://www.census.gov/popest/data/state/totals/2014/tables/NST-EST2014-01.xls>> accessed April 16, 2015.

Source: U.S. Census Bureau, "State Government Tax Collections: 2014" (April 16, 2015) <<http://factfinder.census.gov/bkmk/table/1.0/en/STC/2014/STC005>> accessed April 16, 2015 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.07-- ESTIMATED STATE AND LOCAL TAXES PAID BY A FAMILY OF THREE, FOR HONOLULU AND THE MEDIAN AND AVERAGE OF 51 MAJOR CITIES: 2011 TO 2014**

[Largest city in each state and the District of Columbia. For the listing of cities, see source]

Gross family income level (dollars)	Honolulu			51-city median		51-city average 1/	
	Taxes (dollars)	Percent of income	Rank 2/	Taxes (dollars)	Percent of income	Taxes (dollars)	Percent of income
2011							
25,000	4,124	16.5	3	2,956	11.8	3,065	12.3
50,000	3,574	7.1	43	4,693	9.4	4,971	9.9
75,000	5,617	7.5	39	7,009	9.3	7,041	9.4
100,000	7,502	7.5	37	8,974	9.0	8,719	8.7
150,000	11,660	7.8	37	13,325	8.9	12,831	8.6
2012							
25,000	4,232	16.9	1	3,245	13.0	3,180	12.7
50,000	3,298	6.6	46	4,706	9.4	4,887	9.8
75,000	5,615	7.5	44	7,893	10.5	7,963	10.6
100,000	7,670	7.7	44	10,666	10.7	10,592	10.6
150,000	11,840	7.9	43	16,595	11.1	16,410	10.9
2013							
25,000	4,111	16.4	2	2,552	10.2	2,512	10.0
50,000	2,931	5.9	46	4,331	8.7	4,669	9.3
75,000	5,445	7.3	43	7,298	9.7	7,719	10.3
100,000	7,766	7.8	41	10,095	10.1	10,489	10.5
150,000	12,032	8.0	40	15,520	10.3	16,083	10.7
2014							
25,000	3,744	15.0	4	2,763	11.1	2,747	11.0
50,000	3,083	6.2	43	4,109	8.2	4,205	8.4
75,000	4,866	6.5	43	6,364	8.5	6,436	8.6
100,000	7,184	7.2	40	9,068	9.1	8,903	8.9
150,000	10,863	7.2	39	13,612	9.1	13,469	9.0

1/ Based on cities actually levying tax.

2/ The lower the rank, the higher the percentage of income paid in taxes. For a breakdown of taxes, see source.

Source: Government of the District of Columbia, *Tax Rates and Tax Burdens in the District of Columbia - A Nationwide Comparison* (annual), table 1 <<http://cfo.dc.gov/node/215912>> accessed December 17, 2015.

**Table 9.08-- TAX FREEDOM DAY FOR THE UNITED STATES, EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2016**

[Tax Freedom Day is the day when the nation as a whole has earned enough money to pay off its total tax bill for the year. See source for details]

Area	Tax Freedom Day	Rank 1/	Area	Tax Freedom Day	Rank 1/
United States	April 24	(X)			
Alabama	April 8	4	Nebraska	April 14	14
Alaska	April 10	7	Nevada	April 21	30
Arizona	April 15	16	New Hampshire	April 22	32
Arkansas	April 13	12	New Jersey	May 12	49
California	April 30	45	New Mexico	April 9	6
Colorado	April 24	37	New York	May 11	48
Connecticut	May 21	50	North Carolina	April 16	19
Delaware	April 18	24	North Dakota	April 26	39
Florida	April 20	29	Ohio	April 19	26
Georgia	April 17	20	Oklahoma	April 11	8
<b>Hawaii</b>	<b>April 19</b>	<b>26</b>	Oregon	April 24	37
Idaho	April 15	16	Pennsylvania	April 22	32
Illinois	April 29	44	Rhode Island	April 28	42
Indiana	April 18	24	South Carolina	April 11	8
Iowa	April 14	14	South Dakota	April 8	4
Kansas	April 19	26	Tennessee	April 6	2
Kentucky	April 11	8	Texas	April 17	20
Louisiana	April 7	3	Utah	April 21	30
Maine	April 15	16	Vermont	April 17	20
Maryland	April 28	42	Virginia	April 22	32
Massachusetts	May 5	47	Washington	April 27	40
Michigan	April 22	32	West Virginia	April 11	8
Minnesota	April 30	45	Wisconsin	April 27	40
Mississippi	April 5	1	Wyoming	April 23	36
Missouri	April 12	12	District of Columbia	April 26	(2/)
Montana	April 17	20			

X Not applicable.

1/ Rank is among the 50 states where 50 indicates the earliest Tax Freedom Day in the year 2016.

2/ The District of Columbia is ranked 39 as if it were a state but it does not affect other state ranks.

Source: Tax Foundation, "Tax Freedom Day 2016 Arrives on April 24th"

<<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed April 6, 2016.

**Table 9.09-- TAX FREEDOM DAY FOR THE UNITED STATES AND HAWAII:  
1984 TO 2016**

[Tax Freedom Day is the day when the nation as a whole has earned enough money to pay off its total tax bill for the year. Leap Day is omitted. The Tax Freedom Day for the U.S. was revised in the the 2013 publication from 1992 onward, and in the 2013 from 2010 to 2012 but not since. Revisions for the states have not yet been released and, therefore, data may not be comparable year-to-year]

Year	United States	Hawaii	Hawaii rank 1/
1984	April 17	April 13	31
1985	April 18	April 14	30
1986	April 19	April 16	23
1987	April 22	April 22	17
1988	April 21	April 25	7
1989	April 22	April 28	6
1990	April 21	April 28	5
1991	April 21	April 28	5
1992	April 19	April 25	6
1993	April 20	April 23	11
1994	April 22	April 24	12
1995	April 23	April 22	24
1996	April 25	April 24	20
1997	April 27	April 23	30
1998	April 29	April 24	34
1999	April 29	April 24	33
2000	May 1	April 27	28
2001	April 27	April 24	24
2002	April 17	April 17	18
2003	April 14	April 15	12
2004	April 15	April 14	20
2005	April 21	April 21	17
2006	April 24	April 23	19
2007	April 24	April 24	16
2008	April 18	April 21	15
2009	April 10	April 13	14
2010	April 11	April 9	19
2011	April 11	April 6	30
2012	April 13	April 6	43
2013	April 18	April 14	24
2014	April 21	April 15	25
2015	April 24	April 19	25
2016	April 24	April 19	26

1/ Rank is among the 50 states where 50 indicates the earliest Tax Freedom Day in each year. The District of Columbia is ranked as if it were a state but it does not affect other state ranks.

Source: Tax Foundation, "Tax Freedom Day by State, 1970-2009" <<http://www.taxfoundation.org/taxdata/show/22328.html>> accessed March 31, 2009; Special Report No. 177, "April 9th Is Tax Freedom Day", table 2 (March 2010) <<http://www.taxfoundation.org/files/sr177.pdf>> accessed March 31, 2010; Special Report No. 190, table 2 (March 2011) <<http://www.taxfoundation.org/files/sr190.pdf>> accessed March 30, 2011; "Tax Freedom Day Arrives on April 17", Tax Freedom Day By State (April 2, 2012) <<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed June 12, 2012; "Tax Freedom Day 2013 is April 18, Five Days Later Than Last Year" (April 2, 2013) <<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed April 16, 2013; "Tax Freedom Day 2014 is April 21, 3 Days Later than Last Year" (April 7, 2014) <<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed June 26, 2014; "Tax Freedom Day 2015 is April 24th" <[http://taxfoundation.org/sites/taxfoundation.org/files/docs/TaxFoundation\\_TFD\\_Report.pdf](http://taxfoundation.org/sites/taxfoundation.org/files/docs/TaxFoundation_TFD_Report.pdf)> accessed April 10, 2015; "Tax Freedom Day 2016 Arrives on April 24th" <<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed April 6, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.10-- STATE-LOCAL TAX BURDEN PER CAPITA IN NOMINAL AND CONSTANT DOLLARS: 1977 TO 2012**

[In percent and dollars. Fiscal year ending June 30]

Year	Burden rate (in percent)	Per capita (in nominal dollars)			
		Income	Total taxes paid	Taxes paid to own state	Taxes paid to other states
1977	10.6	8,550.01	905.78	609.43	296.35
1978	10.6	9,091.68	965.63	652.99	312.64
1979	10.5	10,115.15	1,060.15	732.03	328.12
1980	10.4	11,167.01	1,161.44	811.28	350.16
1981	10.0	12,475.05	1,249.72	869.55	380.17
1982	9.7	12,720.11	1,233.79	844.45	389.34
1983	9.8	13,532.55	1,331.82	925.10	406.72
1984	9.9	14,505.11	1,432.42	984.85	447.57
1985	9.9	15,444.17	1,527.66	1,054.65	473.01
1986	10.0	16,448.49	1,638.13	1,142.65	495.48
1987	10.2	17,493.99	1,789.27	1,265.45	523.82
1988	10.9	18,850.69	2,057.45	1,504.89	552.56
1989	10.7	20,767.45	2,225.41	1,630.14	595.27
1990	10.2	22,618.68	2,316.01	1,678.74	637.27
1991	10.8	23,663.33	2,549.69	1,886.31	663.38
1992	10.9	24,269.98	2,640.21	1,956.23	683.98
1993	10.7	25,166.63	2,703.31	1,993.06	710.25
1994	11.2	25,426.96	2,851.15	2,147.28	703.87
1995	10.7	25,900.48	2,763.02	2,065.61	697.41
1996	10.9	26,205.84	2,864.57	2,201.23	663.34
1997	10.7	26,863.32	2,862.48	2,201.83	660.65
1998	10.5	27,862.24	2,924.04	2,258.57	665.47
1999	10.1	28,674.24	2,893.03	2,227.73	665.30
2000	9.8	30,553.21	2,996.54	2,295.65	700.89
2001	10.0	31,118.41	3,113.11	2,391.69	721.42
2002	10.0	30,818.12	3,089.04	2,357.02	732.02
2003	10.0	31,931.54	3,199.93	2,415.17	784.76
2004	9.9	34,209.29	3,376.20	2,546.32	829.88
2005	9.9	37,579.15	3,714.27	2,700.06	1,014.21
2006	10.4	40,406.59	4,186.64	3,043.30	1,143.34
2007	10.4	42,479.29	4,429.85	3,272.04	1,157.81
2008	10.5	43,035.42	4,507.17	3,312.15	1,195.02
2009	10.3	41,546.25	4,259.18	3,142.98	1,116.20
2010	10.6	41,344.33	4,386.65	3,294.89	1,091.76
2011	9.9	42,970.19	4,231.32	3,136.81	1,094.51
2012	10.2	44,920.02	4,576.00	3,480.16	1,095.84

Continued on next page.

**Table 9.10-- STATE-LOCAL TAX BURDEN PER CAPITA IN NOMINAL AND CONSTANT DOLLARS: 1977 TO 2012 -- Con.**

Year	Burden rate (in percent)	Per capita (in constant dollars)			
		Income	Total taxes paid	Taxes paid to own state	Taxes paid to other states
1977	10.6	32,398.70	3,432.29	2,309.32	1,122.96
1978	10.6	32,000.53	3,398.79	2,298.37	1,100.42
1979	10.5	32,000.03	3,353.86	2,315.83	1,038.03
1980	10.4	31,119.26	3,236.60	2,260.81	975.80
1981	10.0	31,497.26	3,155.32	2,195.46	959.86
1982	9.7	30,260.79	2,935.15	2,008.92	926.23
1983	9.8	31,190.21	3,069.62	2,132.20	937.42
1984	9.9	32,067.02	3,166.71	2,177.25	989.46
1985	9.9	32,966.78	3,260.91	2,251.23	1,009.68
1986	10.0	34,447.72	3,430.70	2,393.03	1,037.67
1987	10.2	35,345.72	3,615.13	2,556.78	1,058.35
1988	10.9	36,592.63	3,993.89	2,921.27	1,072.62
1989	10.7	38,467.66	4,122.14	3,019.52	1,102.62
1990	10.2	39,745.14	4,069.65	2,949.85	1,119.80
1991	10.8	39,889.01	4,297.98	3,179.73	1,118.25
1992	10.9	39,714.36	4,320.33	3,201.09	1,119.24
1993	10.7	40,001.45	4,296.81	3,167.90	1,128.92
1994	11.2	39,386.65	4,416.46	3,326.16	1,090.30
1995	10.7	39,021.56	4,162.75	3,112.04	1,050.72
1996	10.9	38,355.72	4,192.68	3,221.79	970.89
1997	10.7	38,426.67	4,094.64	3,149.61	945.03
1998	10.5	39,243.42	4,118.45	3,181.15	937.30
1999	10.1	39,521.09	3,987.40	3,070.43	916.97
2000	9.8	40,739.25	3,995.55	3,060.99	934.56
2001	10.0	40,350.73	4,036.72	3,101.27	935.45
2002	10.0	39,338.35	3,943.06	3,008.66	934.40
2003	10.0	39,849.88	3,993.44	3,014.08	979.36
2004	9.9	41,583.27	4,103.96	3,095.19	1,008.76
2005	9.9	44,180.30	4,366.72	3,174.35	1,192.37
2006	10.4	46,017.68	4,768.02	3,465.91	1,302.11
2007	10.4	47,038.02	4,905.25	3,623.18	1,282.06
2008	10.5	45,891.99	4,806.34	3,532.00	1,274.34
2009	10.3	44,462.05	4,558.10	3,363.56	1,194.54
2010	10.6	43,532.00	4,618.76	3,469.23	1,149.53
2011	9.9	43,859.35	4,318.88	3,201.72	1,117.16
2012	10.2	44,920.02	4,576.00	3,480.16	1,095.84

Source: Tax Foundation, "State and Local Tax Burdens: All Years, One State, 1977 - 2012: Hawaii, Real and Nominal" (January 20, 2016)  
 <<http://taxfoundation.org/article/state-and-local-tax-burdens-1977-2012>> accessed July 19, 2016.

**Table 9.11-- STATE-LOCAL TAX BURDEN PER CAPITA AND RANK FOR THE 50 STATES, THE DISTRICT OF COLUMBIA AND THE UNITED STATES AVERAGE: 2012**

[In percent, number and dollars. Fiscal year ending June 30]

State	State-local tax burden as a percent of state income	Rank 1/	Per capita			
			State-local tax burden	Taxes paid to own state	Taxes paid to other states	Income
U.S. average 2/	9.9	(X)	4,420	3,238	1,213	44,481
Alabama	8.7	39	3,067	2,142	925	35,337
Alaska	6.5	50	3,229	1,986	1,242	49,780
Arizona	8.8	36	3,276	2,283	992	37,012
Arkansas	10.1	17	3,519	2,552	967	34,862
California	11.0	6	5,237	4,126	1,111	47,808
Colorado	8.9	35	4,304	2,968	1,336	48,313
Connecticut	12.6	2	7,869	5,516	2,354	62,374
Delaware	10.2	16	4,412	2,610	1,802	43,437
Florida	8.9	34	3,738	2,499	1,240	41,848
Georgia	9.1	32	3,426	2,446	980	37,478
<b>Hawaii</b>	<b>10.2</b>	<b>14</b>	<b>4,576</b>	<b>3,480</b>	<b>1,096</b>	<b>44,920</b>
Idaho	9.3	26	3,318	2,255	1,063	35,496
Illinois	11.0	5	5,235	4,015	1,220	47,656
Indiana	9.5	22	3,585	2,592	993	37,580
Iowa	9.2	31	4,037	2,877	1,161	43,878
Kansas	9.5	23	4,131	2,808	1,323	43,490
Kentucky	9.5	24	3,298	2,410	888	34,782
Louisiana	7.6	45	2,950	1,953	997	38,906
Maine	10.2	13	3,997	2,895	1,102	39,062
Maryland	10.9	7	5,920	4,387	1,533	54,266
Massachusetts	10.3	12	5,872	4,220	1,651	57,180
Michigan	9.4	25	3,631	2,704	926	38,636
Minnesota	10.8	8	5,185	3,980	1,205	47,806
Mississippi	8.6	41	2,742	1,910	832	31,847
Missouri	9.3	29	3,591	2,483	1,108	38,825
Montana	8.7	38	3,389	2,172	1,216	38,980
Nebraska	9.2	30	4,197	2,930	1,267	45,485
Nevada	8.1	43	3,349	2,051	1,298	41,297
New Hampshire	7.9	44	3,961	2,173	1,789	50,288
New Jersey	12.2	3	6,926	4,876	2,050	56,731
New Mexico	8.7	37	3,141	2,170	971	36,051
New York	12.7	1	6,993	5,588	1,406	55,047
North Carolina	9.8	20	3,659	2,707	952	37,523
North Dakota	9.0	33	4,867	3,349	1,518	53,953

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**Table 9.11-- STATE-LOCAL TAX BURDEN PER CAPITA AND RANK FOR THE 50 STATES, THE DISTRICT OF COLUMBIA AND THE UNITED STATES AVERAGE: 2012 -- Con.**

State	State-local tax burden as a percent of state income	Per capita				
		Rank 1/	State-local tax burden	Taxes paid to own state	Taxes paid to other states	Income
Ohio	9.8	19	3,924	2,986	938	40,111
Oklahoma	8.6	40	3,515	2,420	1,095	40,762
Oregon	10.3	10	4,095	3,063	1,032	39,578
Pennsylvania	10.2	15	4,589	3,385	1,204	45,046
Rhode Island	10.8	9	4,998	3,476	1,522	46,359
South Carolina	8.4	42	2,936	1,999	937	34,821
South Dakota	7.1	49	3,318	1,911	1,407	46,781
Tennessee	7.3	47	2,805	1,861	944	38,178
Texas	7.6	46	3,340	2,332	1,008	44,081
Utah	9.6	21	3,556	2,505	1,051	36,989
Vermont	10.3	11	4,557	3,129	1,428	44,337
Virginia	9.3	27	4,623	3,258	1,365	49,541
Washington	9.3	28	4,541	3,241	1,301	48,999
West Virginia	9.8	18	3,331	2,455	876	34,016
Wisconsin	11.0	4	4,734	3,602	1,132	42,990
Wyoming	7.1	48	4,407	2,056	2,351	61,708
District of Columbia	10.6	(3/)	7,541	5,231	2,310	70,837

X Not applicable.

1/ Rank of 1 indicates the highest tax burden among the 50 states.

2/ The U.S. average is a population-weighted average. The District of Columbia is excluded from population-weighted averages.

3/ The District of Columbia's rank does not affect other states' rankings, but would rank 10th if it were included.

Source: Tax Foundation, "State and Local Tax Burdens: All Years, One State, 1977 - 2012", Table 2: State-Local Tax Burdens by State (with Detailed Breakdown), Fiscal Year 2012" (January 20, 2016) <<http://taxfoundation.org/article/state-and-local-tax-burdens-1977-2012>> accessed July 19, 2016.

**Table 9.12-- STATE BUSINESS TAX CLIMATE INDEX RANK, OVERALL  
AND BY COMPONENT: 2016**

[A rank of 1 is more favorable for business than a rank of 50. Rankings do not average to total. States without a given tax rank equally as number 1 and states with identical scores rank equally. Report shows tax systems as of July 1, 2015, the beginning of Fiscal Year 2016]

State	Overall rank	Tax index rank				
		Corporate	Individual Income	Sales	Unemployment Insurance	Property
Alabama	29	25	22	41	26	17
Alaska	3	30	1	5	21	21
Arizona	24	22	19	49	9	6
Arkansas	38	42	29	43	43	27
California	48	35	50	40	13	13
Colorado	18	15	16	44	33	12
Connecticut	44	33	36	29	20	49
Delaware	14	50	33	1	4	15
Florida	4	17	1	17	3	20
Georgia	39	9	42	35	37	31
<b>Hawaii</b>	<b>31</b>	<b>10</b>	<b>37</b>	<b>14</b>	<b>24</b>	<b>14</b>
Idaho	19	24	23	20	45	4
Illinois	23	36	10	33	39	45
Indiana	8	20	11	11	14	5
Iowa	40	49	32	24	34	40
Kansas	22	40	18	32	10	19
Kentucky	28	29	30	9	46	23
Louisiana	37	38	27	50	5	28
Maine	34	45	26	10	41	41
Maryland	41	19	45	8	28	42
Massachusetts	25	39	13	18	47	46
Michigan	13	11	15	7	48	26
Minnesota	47	46	46	36	29	30
Mississippi	20	13	21	28	8	35
Missouri	17	3	28	23	12	8
Montana	6	23	20	3	18	9
Nebraska	27	31	24	26	2	39
Nevada	5	4	1	39	42	7
New Hampshire	7	48	9	2	44	43
New Jersey	50	43	48	47	31	50
New Mexico	35	27	34	48	7	1
New York	49	12	49	42	32	47

Continued on next page.

**Table 9.12-- STATE BUSINESS TAX CLIMATE INDEX RANK, OVERALL  
AND BY COMPONENT: 2016 -- Con.**

State	Overall rank	Tax index rank				
		Corporate	Individual Income	Sales	Unemployment Insurance	Property
North Carolina	15	7	14	31	11	32
North Dakota	26	14	35	22	16	3
Ohio	42	26	47	30	6	11
Oklahoma	33	8	40	38	1	18
Oregon	11	37	31	4	27	10
Pennsylvania	32	47	17	25	50	38
Rhode Island	45	34	38	27	49	44
South Carolina	36	16	41	19	35	25
South Dakota	2	1	1	34	40	22
Tennessee	16	18	8	46	25	37
Texas	10	41	6	37	15	34
Utah	9	5	12	16	19	2
Vermont	46	44	44	15	17	48
Virginia	30	6	39	6	38	29
Washington	12	28	6	45	23	24
West Virginia	21	21	25	21	22	16
Wisconsin	43	32	43	13	36	33
Wyoming	1	1	1	12	30	36
Dist. of Columbia 1/	42	36	34	40	27	39

1/ Score and rank do not affect other areas.

Source: Tax Foundation, *2016 State Business Tax Climate Index* (November 2015) table 1  
<<http://taxfoundation.org/tax-topics/state-business-tax-climate-index>> accessed November 18, 2015.

**Table 9.13-- STATE BUSINESS TAX CLIMATE SCORE AND INDEX:  
2014 TO 2016**

[For fiscal year ending June 30. The higher the score, the lower the rank, and therefore, the more favorable the state's tax system is for business. See source for details. Rank is among the 50 states. 2014 and 2015 data are revised]

Location	2014		2015		2016	
	Index rank	Total score	Index rank	Total score	Index rank	Total score
Alabama	25	5.09	29	5.02	29	5.00
Alaska	4	7.23	4	7.22	3	7.34
Arizona	22	5.16	24	5.11	24	5.18
Arkansas	37	4.77	39	4.67	38	4.61
California	48	3.76	48	3.77	48	3.75
Colorado	20	5.21	20	5.28	18	5.33
Connecticut	42	4.48	44	4.45	44	4.33
Delaware	14	5.58	14	5.53	14	5.58
Florida	5	6.85	5	6.86	4	6.92
Georgia	38	4.71	38	4.68	39	4.58
<b>Hawaii</b>	30	4.99	30	4.99	31	4.97
Idaho	18	5.32	19	5.28	19	5.27
Illinois	28	5.00	31	4.96	23	5.18
Indiana	8	5.98	8	5.96	8	5.95
Iowa	40	4.53	41	4.50	40	4.47
Kansas	19	5.28	21	5.25	22	5.22
Kentucky	24	5.12	27	5.03	28	5.02
Louisiana	33	4.86	35	4.83	37	4.70
Maine	29	5.00	34	4.89	34	4.85
Maryland	41	4.51	40	4.50	41	4.46
Massachusetts	23	5.14	25	5.08	25	5.11
Michigan	13	5.74	13	5.63	13	5.63
Minnesota	47	4.04	47	4.03	47	4.03
Mississippi	17	5.33	18	5.29	20	5.24
Missouri	16	5.51	17	5.44	17	5.39
Montana	6	6.25	6	6.20	6	6.19
Nebraska	32	4.91	26	5.08	27	5.08
Nevada	3	7.45	3	7.45	5	6.66
New Hampshire	7	6.08	7	6.02	7	6.07
New Jersey	50	3.40	50	3.39	50	3.36
New Mexico	36	4.77	37	4.75	35	4.75
New York	49	3.47	49	3.62	49	3.61
North Carolina	44	4.40	15	5.48	15	5.57
North Dakota	27	5.04	23	5.11	26	5.08

Continued on next page.

**Table 9.13-- STATE BUSINESS TAX CLIMATE SCORE AND INDEX:  
2014 TO 2016 -- Con.**

Location	2014		2015		2016	
	Index rank	Total score	Index rank	Total score	Index rank	Total score
Ohio	39	4.53	42	4.48	42	4.43
Oklahoma	34	4.86	33	4.91	33	4.86
Oregon	12	5.78	12	5.74	11	5.80
Pennsylvania	31	4.99	32	4.92	32	4.91
Rhode Island	45	4.18	45	4.14	45	4.26
South Carolina	35	4.79	36	4.76	36	4.74
South Dakota	2	7.50	2	7.50	2	7.42
Tennessee	15	5.51	16	5.48	16	5.46
Texas	10	5.81	11	5.76	10	5.82
Utah	9	5.97	9	5.91	9	5.91
Vermont	46	4.15	46	4.11	46	4.10
Virginia	26	5.06	28	5.03	30	4.99
Washington	11	5.81	10	5.78	12	5.78
West Virginia	21	5.19	22	5.19	21	5.24
Wisconsin	43	4.42	43	4.47	43	4.43
Wyoming	1	7.54	1	7.56	1	7.54
Dist. of Columbia 1/	45	4.36	45	4.32	42	4.43

1/ Score and rank do not affect other areas.

Source: Tax Foundation, *2016 State Business Tax Climate Index* (November 2015) table 2  
<<http://taxfoundation.org/tax-topics/state-business-tax-climate-index>> accessed November 18, 2015.

**Table 9.14-- ESTIMATED TAX BURDEN FOR THE FOUR-PERSON ALOHA FAMILY ON OAHU: 1970, 1988, 1999 AND 2006**

[In dollars and percent. For 1970 and 1988, based on a gross family income equivalent to four times the per capita personal income estimated for Hawaii. For 1999, salary income is estimated at \$81,000 for Alfie (a full- and a part-time jobs) and Anita (a full-time job) plus \$1,840 other family income from rental of a condominium unit, dividends from stocks, and interest on bank certificates of deposit. For 2006, salary income is estimated at \$100,100 for Alfie and Anita, net rental income of -\$3,720, and \$4,220 interest income and dividends. Other assumptions are the same as in 1999. For other underlying assumptions, see sources]

Subject	1970 (dollars)	1988 (dollars)	1999 (dollars)	2006 (dollars)	2006 as percent of total	
					Tax burden	Gross family income
Total tax burden	5,559	25,610	31,107	42,788	100.0	38.7
Federal income	2,130	8,096	6,623	6,934	16.2	6.3
State income	693	3,693	3,477	4,560	10.7	4.1
Social security 1/	1,247	7,758	12,394	16,845	39.4	15.2
General excise	304	1,207	3,580	6,041	14.1	5.5
Real property	366	1,006	1,099	1,650	3.9	1.5
Employment 2/	527	3,301	3,112	5,710	13.3	5.2
Specific excise 3/	67	161	200	280	0.7	0.3
Automobile	225	388	622	768	1.8	0.7
Direct tax bill	4,342	18,432	19,288	26,360	61.6	23.8
Indirect tax bill	1,217	7,178	11,819	16,429	38.4	14.9
Gross family income	16,408	62,716	82,840	110,600	(X)	100.0
After taxes	10,898	37,106	51,733	67,812	(X)	61.3

X Not applicable.

1/ The sum of the amount the Alohas paid for retirement benefits and Medicare and the equal amount paid by their employers on their behalf.

2/ Unemployment compensation, temporary disability insurance, and workers' compensation.

3/ Alcohol, tobacco, telephone and cell.

Source: Hawaii State Department of Business, Economic Development & Tourism, records; and Tax Foundation of Hawaii, "The Tax Burden of the Arnie Aloha Family" (November 1989) and "The Tax Burden of the Aloha Family" (June 2001).

**Table 9.15-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2012**

[In thousands of dollars. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately. State & local and Local government revised from previous *Data Book*]

<b>Category</b>	<b>State &amp; local</b>	<b>State</b>	<b>Local</b>
Revenue 1/	13,887,205	10,600,634	3,530,419
General revenue 1/	12,935,414	9,988,555	3,190,707
Intergovernmental revenue 1/	2,651,763	2,357,724	537,887
General revenue from own sources	10,283,651	7,630,831	2,652,820
Taxes	7,445,458	5,516,146	1,929,312
Property	1,310,590	-	1,310,590
Sales and gross receipts	3,995,686	3,581,652	414,034
Individual income	1,540,746	1,540,746	-
Corporate income	80,256	80,256	-
Motor vehicle license	374,082	206,164	167,918
Other taxes	144,098	107,328	36,770
Charges & misc. general revenue	2,838,193	2,114,685	723,508
Current charges 2/	2,228,625	1,580,859	647,766
Education	409,286	409,286	-
Hospitals	562,160	562,160	-
Air transportation (airports)	379,912	379,912	-
Sewerage	424,245	-	424,245
Miscellaneous general revenue	609,568	533,826	75,742
Utility revenue	339,712	-	339,712
Insurance trust revenue	612,079	612,079	-
Expenditure 1/	14,753,058	11,565,554	3,381,925
Intergovernmental expenditure 1/	370	194,791	-
Direct expenditure by function	14,752,688	11,370,763	3,381,925
Direct general expenditure	12,359,487	9,902,902	2,456,585
Capital outlay	1,486,245	989,028	497,217
Other direct general expenditure	10,873,242	8,913,874	1,959,368
Education services 3/	3,539,207	3,539,207	-
Education	3,502,973	3,502,973	-
Libraries	36,234	36,234	-
Social services & income maint. 3/	3,288,709	3,230,681	58,028
Public welfare	2,021,504	1,987,816	33,688
Hospitals	753,463	753,463	-
Health	507,375	483,035	24,340
Employment security administration	6,130	6,130	-
Veterans' services	237	237	-
Transportation 3/	1,005,153	749,883	255,270
Highways	660,183	405,475	254,708
Air transportation (airports)	283,590	283,590	-

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**Table 9.15-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2012 -- Con.**

Category	State & local	State	Local
Public safety 3/	819,814	259,932	559,882
Police protection	388,551	29,780	358,771
Fire protection	194,866	-	194,866
Correction	198,207	198,207	-
Protective inspection and regulation	38,190	31,945	6,245
Environment and housing 3/	1,132,340	301,004	831,336
Natural resources	94,785	93,993	792
Parks and recreation	265,452	91,807	173,645
Housing and community development	205,624	115,187	90,437
Sewerage	267,618	17	267,601
Solid waste management	298,861	-	298,861
Governmental administration	689,442	380,589	308,853
Interest on general debt	535,312	338,595	196,717
Gen. expend., not elsewhere classified	1,349,510	1,103,011	246,499
Utility expenditure 3/	937,280	11,940	925,340
Water supply	290,173	11,940	278,233
Transit	647,107	-	647,107
Insurance trust expenditure	1,455,921	1,455,921	-
Debt outstanding	14,025,010	8,398,012	5,626,998
Short-term	33,000	-	33,000
Long-term	13,992,010	8,398,012	5,593,998
Public debt for private purposes	516,547	487,495	29,052
Long-term debt issued	2,441,606	1,825,313	616,293
Long-term debt retired	1,823,770	1,340,134	483,636
Cash and security holdings	18,940,482	15,991,100	2,949,382
Insurance trust funds	10,693,789	10,693,789	-
Unemployment compensation	47,300	47,300	-
Employee retirement	10,646,489	10,646,489	-
Workers' compensation & misc.	-	-	-
Other than insurance trust funds	8,246,693	5,297,311	2,949,382
Offsets to debt	958,139	886,546	71,593
Bond funds	448,802	279,194	169,608
Other	6,839,752	4,131,571	2,708,181

1/ Duplicative intergovernmental transactions are excluded.

2/ Charges include highways, parking facilities, sea and inland port facilities, natural resources, parks and recreation, housing and community development, solid waste management, and other charges.

3/ Includes capital outlay.

Source: U.S. Census Bureau, 2012 Census of Governments, "LGF001: State and Local Government Finances by Level of Government and by State: 2012" (initial release December 16, 2014, revised October 23, 2015) <<http://www.census.gov/govs/local/>> accessed March 15, 2016.

**Table 9.16-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2013**

[In thousands of dollars. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately]

<b>Category</b>	<b>State &amp; local</b>	<b>State</b>	<b>Local</b>
Revenue 1/	16,384,826	12,944,952	3,681,970
General revenue 1/	13,894,577	10,825,114	3,311,559
Intergovernmental revenue 1/	2,714,227	2,331,449	624,874
General revenue from own sources	11,180,350	8,493,665	2,686,685
Taxes	8,041,176	6,092,893	1,948,283
Property	1,328,624	-	1,328,624
Sales and gross receipts	4,341,308	3,932,220	409,088
Individual income	1,735,718	1,735,718	-
Corporate income	123,661	123,661	-
Motor vehicle license	346,278	175,341	170,937
Other taxes	165,587	125,953	39,634
Charges & misc. general revenue	3,139,174	2,400,772	738,402
Current charges 2/	2,272,432	1,626,827	645,605
Education	415,368	415,368	-
Hospitals	591,420	591,420	-
Air transportation (airports)	375,575	375,575	-
Sewerage	423,607	-	423,607
Miscellaneous general revenue	866,742	773,945	92,797
Utility revenue	370,411	-	370,411
Insurance trust revenue	2,119,838	2,119,838	-
Expenditure 1/	14,585,252	11,477,711	3,328,003
Intergovernmental expenditure 1/	382	220,844	-
Direct expenditure by function	14,584,870	11,256,867	3,328,003
Direct general expenditure	12,308,513	9,877,260	2,431,253
Capital outlay	1,374,271	895,590	478,681
Other direct general expenditure	10,934,242	8,981,670	1,952,572
Education services 3/	3,440,254	3,440,254	-
Education	3,404,040	3,404,040	-
Libraries	36,214	36,214	-
Social services & income maint. 3/	3,446,912	3,387,117	59,795
Public welfare	2,131,666	2,098,542	33,124
Hospitals	799,790	799,790	-
Health	508,777	482,106	26,671
Employment security administration	5,750	5,750	-
Veterans' services	929	929	-
Transportation 3/	1,027,485	750,130	277,355
Highways	686,052	409,269	276,783
Air transportation (airports)	271,949	271,949	-

Continued on next page.

**Table 9.16-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2013 -- Con.**

Category	State & local	State	Local
Public safety 3/	815,117	269,671	545,446
Police protection	387,914	33,877	354,037
Fire protection	185,112	-	185,112
Correction	200,984	200,984	-
Protective inspection and regulation	41,107	34,810	6,297
Environment and housing 3/	1,179,271	368,159	811,112
Natural resources	111,555	110,831	724
Parks and recreation	272,136	95,068	177,068
Housing and community development	251,012	162,243	88,769
Sewerage	322,630	17	322,613
Solid waste management	221,938	-	221,938
Governmental administration	710,604	406,845	303,759
Interest on general debt	532,485	349,062	183,423
Gen. expend., not elsewhere classified	1,156,385	906,022	250,363
Utility expenditure 3/	902,314	5,564	896,750
Water supply	311,344	5,564	305,780
Transit	590,970	-	590,970
Insurance trust expenditure	1,374,043	1,374,043	-
Debt outstanding	14,299,877	8,318,403	5,981,474
Short-term	-	-	-
Long-term	14,299,877	8,318,403	5,981,474
Public debt for private purposes	464,682	431,458	33,224
Long-term debt issued	2,474,377	1,025,940	1,448,437
Long-term debt retired	2,192,949	1,105,368	1,087,581
Cash and security holdings	19,619,515	16,242,691	3,376,824
Insurance trust funds	11,001,399	11,001,399	-
Unemployment compensation	193,257	193,257	-
Employee retirement	10,808,142	10,808,142	-
Workers' compensation & misc.	-	-	-
Other than insurance trust funds	8,618,116	5,241,292	3,376,824
Offsets to debt	896,183	798,588	97,595
Bond funds	465,512	147,252	318,260
Other	7,256,421	4,295,452	2,960,969

1/ Duplicative intergovernmental transactions are excluded.

2/ Charges include highways, parking facilities, sea and inland port facilities, natural resources, parks and recreation, housing and community development, solid waste management, and other charges.

3/ Includes capital outlay.

Source: U.S. Census Bureau, "SLF003: State and Local Government Finances by Level of Government and by State: 2013" <<http://www.census.gov/govs/local/>> accessed June 22, 2016.

**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
TOTAL AND PER CAPITA: 2012**

[In thousands of dollars, dollars and percent. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately. Revised from previous *Data Book*]

<b>Category</b>	<b>Total 1/</b>	<b>Percent distribution</b>	<b>Per capita 2/</b>
Revenue 1/	13,887,205	100.0	9,971.85
General revenue 1/	12,935,414	93.1	9,288.41
Intergovernmental revenue 1/	2,651,763	19.1	1,904.13
General revenue from own sources	10,283,651	74.1	7,384.28
Taxes 3/	7,445,458	53.6	5,346.29
Property	1,310,590	9.4	941.08
Sales and gross receipts	3,995,686	28.8	2,869.14
Individual income	1,540,746	11.1	1,106.35
Corporate income	80,256	0.6	57.63
Motor vehicle license	374,082	2.7	268.61
All other taxes	144,098	1.0	103.47
Charges & misc. general revenue	2,838,193	20.4	2,037.99
Current charges 3/	2,228,625	16.0	1,600.29
Education	409,286	2.9	293.89
Hospitals	562,160	4.0	403.66
Air transportation (airports)	379,912	2.7	272.80
Sewerage	424,245	3.1	304.63
Miscellaneous general revenue	609,568	4.4	437.71
Utility revenue	339,712	2.4	243.93
Insurance trust revenue	612,079	4.4	439.51
Expenditure 1/	14,753,058	100.0	10,593.58
Intergovernmental expenditure 1/	370	0.0	0.27
Direct expenditure by function	14,752,688	100.0	10,593.32
Direct general expenditure	12,359,487	83.8	8,874.86
Capital outlay	1,486,245	10.1	1,067.21
Other direct general expenditure	10,873,242	73.7	7,807.64
Education services 4/	3,539,207	24.0	2,541.36
Education	3,502,973	23.7	2,515.35
Libraries	36,234	0.2	26.02
Social services & income maintenance 4/	3,288,709	22.3	2,361.49
Public welfare	2,021,504	13.7	1,451.56
Hospitals	753,463	5.1	541.03
Health	507,375	3.4	364.33
Social insurance administration	6,130	0.0	4.40
Veterans' services	237	0.0	0.17
Transportation 4/	1,005,153	6.8	721.76
Highways	660,183	4.5	474.05
Air transportation (airports)	283,590	1.9	203.63

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**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
TOTAL AND PER CAPITA: 2012 -- Con.**

<b>Category</b>	<b>Total 1/</b>	<b>Percent distribution</b>	<b>Per capita 2/</b>
Public safety 4/	819,814	5.6	588.68
Police protection	388,551	2.6	279.00
Fire protection	194,866	1.3	139.93
Correction	198,207	1.3	142.32
Protective inspection and regulation	38,190	0.3	27.42
Environment and housing 4/	1,132,340	7.7	813.09
Natural resources	94,785	0.6	68.06
Parks and recreation	265,452	1.8	190.61
Housing and community development	205,624	1.4	147.65
Sewerage	267,618	1.8	192.17
Solid waste management	298,861	2.0	214.60
Governmental administration 4/	689,442	4.7	495.06
Interest on general debt	535,312	3.6	384.39
General expend., not elsewhere classified	1,349,510	9.1	969.03
Utility expenditure 4/	937,280	6.4	673.02
Water supply	290,173	2.0	208.36
Transit	647,107	4.4	464.66
Insurance trust expenditure	1,455,921	9.9	1,045.44
Debt outstanding	14,025,010	100.0	10,070.80
Short-term	33,000	0.2	23.70
Long-term	13,992,010	99.8	10,047.10
Public debt for private purposes	516,547	3.7	370.91
Long-term debt issued	2,441,606	17.4	1,753.22
Long-term debt retired	1,823,770	13.0	1,309.58
Cash and security holdings	18,940,482	100.0	13,600.41
Insurance trust funds	10,693,789	56.5	7,678.78
Unemployment compensation	47,300	0.2	33.96
Employee retirement	10,646,489	56.2	7,644.82
Workers' compensation & misc.	-	0.0	-
Other than insurance trust funds	8,246,693	43.5	5,921.62

1/ Duplicative intergovernmental transactions are excluded.

2/ Based on revised July 1, 2012 population for Hawaii of 1,392,641. As released December 2015 by the U.S. Census Bureau, Population Division, "Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015 (NST-EST2015-01).

3/ Charges include highways, parking facilities, sea and inland port facilities, natural resources, parks and recreation, housing and community development, solid waste management, and other charges.

4/ Includes capital outlay.

Source: U.S. Census Bureau, 2012 Census of Governments, "LGF001: State and Local Government Finances by Level of Government and by State: 2012" (revised October 23, 2015)

<<http://www.census.gov/govs/local/>> accessed July 12, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.18-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
TOTAL AND PER CAPITA: 2013**

[In thousands of dollars, dollars and percent. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately]

<b>Category</b>	<b>Total 1/</b>	<b>Percent distribution</b>	<b>Per capita 2/</b>
Revenue 1/	16,384,826	100.0	11,630.63
General revenue 1/	13,894,577	84.8	9,862.95
Intergovernmental revenue 1/	2,714,227	16.6	1,926.67
General revenue from own sources	11,180,350	68.2	7,936.28
Taxes 3/	8,041,176	49.1	5,707.96
Property	1,328,624	8.1	943.11
Sales and gross receipts	4,341,308	26.5	3,081.64
Individual income	1,735,718	10.6	1,232.08
Corporate income	123,661	0.8	87.78
Motor vehicle license	346,278	2.1	245.80
All other taxes	165,587	1.0	117.54
Charges & misc. general revenue	3,139,174	19.2	2,228.32
Current charges 3/	2,272,432	13.9	1,613.07
Education	415,368	2.5	294.85
Hospitals	591,420	3.6	419.81
Air transportation (airports)	375,575	2.3	266.60
Sewerage	423,607	2.6	300.69
Miscellaneous general revenue	866,742	5.3	615.25
Utility revenue	370,411	2.3	262.93
Insurance trust revenue	2,119,838	12.9	1,504.75
Expenditure 1/	14,585,252	100.0	10,353.22
Intergovernmental expenditure 1/	382	0.0	0.27
Direct expenditure by function	14,584,870	100.0	10,352.95
Direct general expenditure	12,308,513	84.4	8,737.09
Capital outlay	1,374,271	9.4	975.51
Other direct general expenditure	10,934,242	75.0	7,761.58
Education services 4/	3,440,254	23.6	2,442.04
Education	3,404,040	23.3	2,416.33
Libraries	36,214	0.2	25.71
Social services & income maintenance 4/	3,446,912	23.6	2,446.76
Public welfare	2,131,666	14.6	1,513.15
Hospitals	799,790	5.5	567.72
Health	508,777	3.5	361.15
Social insurance administration	5,750	0.0	4.08
Veterans' services	929	0.0	0.66
Transportation 4/	1,027,485	7.0	729.35
Highways	686,052	4.7	486.99
Air transportation (airports)	271,949	1.9	193.04

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**Table 9.18-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
TOTAL AND PER CAPITA: 2013 -- Con.**

<b>Category</b>	<b>Total 1/</b>	<b>Percent distribution</b>	<b>Per capita 2/</b>
Public safety 4/	815,117	5.6	578.60
Police protection	387,914	2.7	275.36
Fire protection	185,112	1.3	131.40
Correction	200,984	1.4	142.67
Protective inspection and regulation	41,107	0.3	29.18
Environment and housing 4/	1,179,271	8.1	837.10
Natural resources	111,555	0.8	79.19
Parks and recreation	272,136	1.9	193.17
Housing and community development	251,012	1.7	178.18
Sewerage	322,630	2.2	229.02
Solid waste management	221,938	1.5	157.54
Governmental administration 4/	710,604	4.9	504.42
Interest on general debt	532,485	3.7	377.98
General expend., not elsewhere classified	1,156,385	7.9	820.85
Utility expenditure 4/	902,314	6.2	640.50
Water supply	311,344	2.1	221.00
Transit	590,970	4.1	419.50
Insurance trust expenditure	1,374,043	9.4	975.35
Debt outstanding	14,299,877	100.0	10,150.65
Short-term	-	0.0	-
Long-term	14,299,877	100.0	10,150.65
Public debt for private purposes	464,682	3.2	329.85
Long-term debt issued	2,474,377	17.3	1,756.42
Long-term debt retired	2,192,949	15.3	1,556.65
Cash and security holdings	19,619,515	100.0	13,926.75
Insurance trust funds	11,001,399	56.1	7,809.25
Unemployment compensation	193,257	1.0	137.18
Employee retirement	10,808,142	55.1	7,672.07
Workers' compensation & misc.	-	0.0	-
Other than insurance trust funds	8,618,116	43.9	6,117.50

1/ Duplicative intergovernmental transactions are excluded.

2/ Based on July 1, 2013 population for Hawaii of 1,408,765. As released December 2015 by the U.S. Census Bureau, Population Division, "Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015" <<https://www.census.gov/popest/data/state/totals/2015/tables/NST-EST2015-01.xlsx>>.

3/ Charges include highways, parking facilities, sea and inland port facilities, natural resources, parks and recreation, housing and community development, solid waste management, and other charges.

4/ Includes capital outlay.

Source: Source: U.S. Census Bureau, 2013 Annual Surveys of State and Local Government Finances "Table 1. State and Local Government Finances by Level of Government and by State: 2012-13" (September 25, 2015) <<http://www2.census.gov/govs/local/13slsstab1a.xls>> accessed June 1, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.19-- HAWAII STATE GOVERNMENT FINANCES, TOTAL AND PER CAPITA: 2013**

[Amount in thousands of dollars, per capita in dollars. For fiscal year ending June 30]

Category	Amount	Percent distribution	Per capita 1/
Total revenue	12,944,952	100.00	9,188.87
General revenue	10,825,114	83.6	7,684.12
Intergovernmental revenue	2,331,449	18.0	1,654.96
Taxes	6,092,893	47.1	4,324.99
General sales & gross receipts	2,944,487	22.7	2,090.12
Selective sales & gross receipts	987,733	7.6	701.13
License taxes	230,189	1.8	163.40
Individual income	1,735,718	13.4	1,232.08
Corporate net income	123,661	1.0	87.78
All other	71,105	0.5	50.47
Current charges	1,626,827	12.6	1,154.79
Miscellaneous general revenue	773,945	6.0	549.38
Insurance trust revenue	2,119,838	16.4	1,504.75
Total expenditure	11,477,711	100.00	8,147.36
General expenditure, by function	10,098,104	88.0	7,168.05
Education	3,404,040	29.7	2,416.33
Public welfare	2,098,924	18.3	1,489.90
Hospitals	799,790	7.0	567.72
Health	494,927	4.3	351.32
Highways	409,269	3.6	290.52
Police protection	34,307	0.3	24.35
Correction	200,984	1.8	142.67
Natural resources	113,135	1.0	80.31
Parks and recreation	95,856	0.8	68.04
Government administration	413,238	3.6	293.33
Interest on general debt	349,062	3.0	247.78
Other and unallocable	1,684,572	14.7	1,195.78
Utility expenditure	5,564	0.0	3.95
Insurance trust expenditure	1,374,043	12.0	975.35
Exhibit: General expenditure	10,098,104	100.0	7,168.05
Intergovernment expenditure	220,844	2.2	156.76
Direct expenditure	9,877,260	97.8	7,011.29
Debt at end of fiscal year	8,318,403	100.00	5,904.75
Cash and security holdings	16,242,691	100.00	11,529.74

1/ Based on revised July 1, 2013 population for Hawaii of 1,408,765. As released in December, 2015 by the U.S. Census Bureau, Population Division, "Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015 (NST-EST2015-01). Per capita revised from previous *Data Book*.

Source: U.S. Census Bureau, Governments Division, 2013 State Government Finances (February 3, 2015) <<http://www.census.gov/govs/state/>> accessed December 17, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.20-- HAWAII STATE GOVERNMENT FINANCES, TOTAL AND PER CAPITA: 2014**

[Amount in thousands of dollars, per capita in dollars. For fiscal year ending June 30]

<b>Category</b>	<b>Amount</b>	<b>Percent distribution</b>	<b>Per capita 1/</b>
Total revenue	15,055,561	100.0	10,600.59
General revenue	11,304,424	75.1	7,959.42
Intergovernmental revenue	2,810,537	18.7	1,978.89
Taxes	6,033,331	40.1	4,248.06
General sales & gross receipts	2,825,041	18.8	1,989.11
Selective sales & gross receipts	1,022,621	6.8	720.03
License taxes	223,543	1.5	157.40
Individual income	1,745,461	11.6	1,228.98
Corporate net income	126,045	0.8	88.75
Other taxes	90,620	0.6	63.81
Current charges	1,664,748	11.1	1,172.15
Miscellaneous general revenue	795,808	5.3	560.33
Insurance trust revenue	3,751,137	24.9	2,641.17
Total expenditure	12,378,789	100.0	8,715.88
General expenditure, by function	11,045,050	89.2	7,776.80
Education	3,275,517	26.5	2,306.28
Public welfare	2,582,963	20.9	1,818.66
Hospitals	818,591	6.6	576.37
Health	528,294	4.3	371.97
Highways	414,444	3.3	291.81
Police protection	36,352	0.3	25.60
Correction	215,302	1.7	151.59
Natural resources	112,112	0.9	78.94
Parks and recreation	91,742	0.7	64.60
Government administration	488,872	3.9	344.21
Interest on general debt	383,224	3.1	269.83
Other and unallocable	2,097,637	16.9	1,476.94
Utility expenditure	5,151	0.0	3.63
Insurance trust expenditure	1,328,588	10.7	935.46
Exhibit: General expenditure	11,045,050	100.0	7,776.80
Intergovernment expenditure	255,885	2.3	180.17
Direct expenditure	12,122,904	109.8	8,535.71
Debt at end of fiscal year	8,426,573	100.0	5,933.13
Cash and security holdings	19,176,589	100.0	13,502.20

1/ Based on July 1, 2014 population for Hawaii of 1,420,257. As released in December, 2015 by the U.S. Census Bureau, Population Division, "Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2015 (NST-EST2015-01).

Source: U.S. Census Bureau, Governments Division, 2014 State Government Finances (June 7, 2016) <<http://www.census.gov/govs/state/>> accessed June 22, 2016;

and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.21-- STATE GOVERNMENT EXPENDITURES, GOVERNMENTAL FUNDS, BY FUNCTION: 2011 TO 2015**

[In thousands of dollars. For fiscal year ending June 30. Table reflects changes in fund balances, governmental funds]

Function	2011	2012	2013	2014	2015
Total expenditures	8,476,625	8,600,890	9,103,240	9,829,887	10,254,158
Current	8,018,644	8,013,130	8,415,591	9,092,589	9,519,843
General government	487,848	487,596	408,538	543,129	573,820
Public safety	423,716	454,957	432,024	519,954	484,960
Highways	376,780	414,629	418,991	403,559	455,563
Conservation of nat'l resources	93,600	98,428	92,601	108,703	145,516
Health	757,482	729,841	779,755	828,088	855,797
Welfare	2,526,743	2,443,936	2,773,241	2,945,370	3,192,807
Lower education	2,208,303	2,330,130	2,358,763	2,603,774	2,619,156
Higher education	707,380	672,716	654,611	693,292	761,837
Other education	14,018	16,753	20,086	21,766	21,664
Culture and recreation	117,306	109,974	107,940	107,846	96,676
Urban redev. & housing 1/	73,789	48,484	66,243	65,228	71,384
Econ. devel. & assistance	158,104	147,445	157,468	158,379	176,919
Housing 1/	61,352	46,133	112,614	63,683	48,565
Other 1/	12,223	12,108	32,716	29,818	15,179
Debt service	457,981	587,760	687,649	737,298	734,315
Principal	191,244	313,721	399,382	458,983	444,791
Interest and others	266,737	274,039	288,267	278,315	289,524

1/ 'Housing' was a new category in 2013 with the amount reallocated from 'Other' in 2010 and 2012 and 'Urban redevelopment & housing' in 2011.

Source: Hawaii State Department of Accounting and General Services, *Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2015* (pp. 148-149)

<<http://ags.hawaii.gov/blog/main/comprehensive-annual-financial-report-cafr-fiscal-year-2015/>>  
accessed June 21, 2016.

**Table 9.22-- STATE GOVERNMENT REVENUES, GOVERNMENTAL FUNDS: 2011 TO 2015**

[In thousands of dollars. For fiscal year ending June 30. Table reflects changes in fund balances, governmental funds]

Function	2011	2012	2013	2014	2015
Total revenues	8,239,489	8,264,770	9,024,984	9,125,004	9,737,152
Total taxes	4,770,498	5,358,949	5,805,273	5,698,633	6,109,130
General excise	2,507,980	2,774,636	2,991,792	2,816,346	3,021,418
Net income - corp. & personal	1,473,188	1,633,412	1,804,409	1,840,963	2,047,327
Public service companies	117,940	150,528	163,930	166,179	163,481
Transient accommodations	60,839	138,529	186,377	188,721	202,345
Tobacco and liquor	173,851	170,824	161,066	155,990	165,137
Liquid fuel	91,265	88,842	87,645	88,707	88,449
Insurance companies' premiums	140,586	119,472	133,585	139,074	147,767
Vehicle weight and registration	59,476	98,187	121,605	124,686	125,113
Rental motor/tour vehicle surcharge	43,892	106,417	52,112	42,853	51,941
Franchise	33,682	7,229	22,673	38,983	19,930
Other	67,799	70,873	80,079	96,131	76,222
Non-taxes	3,468,991	2,905,821	3,219,711	3,426,371	3,628,022
Interest and investment (loss) income	55,854	5,347	25,502	13,163	16,024
Charges for current services	348,108	337,765	369,269	363,791	384,380
Intergovernmental	2,567,266	2,238,639	2,372,480	2,650,876	2,803,989
Rentals	23,319	25,421	28,633	31,846	31,127
Fines, forfeitures, and penalties	34,712	35,083	36,802	33,087	37,201
Licenses and fees	41,557	46,390	46,839	47,209	42,463
Revenues from private sources	54,857	65,085	104,670	112,916	121,366
Other	343,318	152,091	235,516	173,483	191,472

Source: Hawaii State Department of Accounting and General Services, *Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2015* (pp. 148-149)  
<http://ags.hawaii.gov/blog/main/comprehensive-annual-financial-report-cafr-fiscal-year-2015/>  
 accessed June 21, 2016.

**Table 9.23-- LOCAL GOVERNMENT REVENUES: 2012**

[Data rounded to thousands of dollars. For fiscal year ending June 30. Based on sample]

Subject	Total	City & County of Honolulu	Other counties	Special district 1/
Revenue 2/	3,531,266	2,412,211	1,080,896	38,159
General revenue 2/	3,191,554	2,195,211	958,184	38,159
Intergovernmental revenue 2/	538,734	314,318	205,926	18,490
From Federal gov't 2/	299,649	218,849	80,784	16
From State gov't 2/	238,238	95,055	125,142	18,041
From local gov'ts 2/	847	414	-	433
Gen. rev. from own sources 2/	2,652,820	1,880,893	752,258	19,669
Taxes 2/	1,929,312	1,316,440	612,872	-
Property	1,310,590	813,319	497,271	-
Sales & gross receipts 2/	414,034	341,519	72,515	-
General sales tax	190,665	190,665	-	-
Selective sales 2/	223,369	150,854	72,515	-
Motor fuel 2/	71,905	49,225	22,680	-
Public utilities 2/	151,464	101,629	49,835	-
Motor vehicle license 2/	167,918	139,322	28,596	-
Other taxes	36,770	22,280	14,490	-
Charges & misc. gen. rev. 2/	723,508	564,453	139,386	19,669
Current charges 2/	647,766	525,888	120,990	888
Highways 2/	25,231	4,364	20,867	-
Parking facilities	8,521	8,459	62	-
Natural resources	12	-	-	12
Parks & recreation	30,848	28,426	2,422	-
Housing & comm. dev.	1,728	1,154	574	-
Sewerage 2/	424,245	363,594	60,651	-
Solid waste mgt. 2/	143,129	116,154	26,975	-
Other charges	14,052	3,737	9,439	876
Misc. general rev.	75,742	38,565	18,396	18,781
Interest earnings	7,769	4,718	2,972	79
Special assessments	17,159	15,214	1,945	-
Sale of property	350	183	167	-
Other gen. revenue	50,464	18,450	13,312	18,702
Utility revenue	339,712	217,000	122,712	-
Water supply	280,595	159,508	121,087	-
Transit	59,117	57,492	1,625	-

1/ Hawaii statutes allow creation thereof but only Office of Hawaiian Affairs and soil and water conservation districts are counted as governments. See also *Individual State Descriptions: 2012* <<http://www2.census.gov/govs/cog/2012isd.pdf>>.

2/ "Total" and/or "Other counties" revised from previous *Data Book*.

Source: U.S. Census Bureau, "LGF002 State & Local Government Finances by Level and Type of Government and by State: Hawaii 2012" <[http://thedataweb.rm.census.gov/TheDataWeb\\_HotReport2/stateandlocalfinance/stateandlocalfinance.html?YEAR4=2012&STATE=13](http://thedataweb.rm.census.gov/TheDataWeb_HotReport2/stateandlocalfinance/stateandlocalfinance.html?YEAR4=2012&STATE=13)> accessed December 17, 2015.

**Table 9.24--LOCAL GOVERNMENT EXPENDITURES: 2012**

[Data are rounded to thousands of dollars. For fiscal year ending June 30. Based on sample]

<b>Subject</b>	<b>Total</b>	<b>City &amp; County of Honolulu</b>	<b>Other counties</b>	<b>Special district 1/</b>
Expenditure 2/	3,381,936	2,324,071	1,014,610	43,255
Intergov't expenditure 2/	11	-	-	11
Direct expenditure 2/	3,381,925	2,324,071	1,014,610	43,244
Current operations 2/	2,237,075	1,380,219	814,137	42,719
Capital outlay 2/	935,600	768,394	166,681	525
Construction 2/	822,380	685,570	136,805	5
Other capital outlay 2/	113,220	82,824	29,876	520
Interest on debt	209,250	175,458	33,792	-
Exhibit: Salaries and wages 2/	820,618	464,555	346,051	10,012
Direct expenditure by function 2/	3,381,925	2,324,071	1,014,610	43,244
Direct general expenditure 2/	2,456,585	1,553,966	859,375	43,244
Capital outlay 2/	497,217	367,467	129,225	525
Other direct general exp. 2/	1,959,368	1,186,499	730,150	42,719
Education services	-	-	-	-
Education	-	-	-	-
Elem. & secondary	-	-	-	-
Libraries	-	-	-	-
Social serv. & inc. maint. 2/	58,028	24,340	33,688	-
Public welfare	33,688	-	33,688	-
Vendor payments	8,658	-	8,658	-
Other public welfare	25,030	-	25,030	-
Health	24,340	24,340	-	-
Transportation 2/	255,270	125,559	129,711	-
Highways 2/	254,708	124,997	129,711	-
Capital outlay 2/	135,321	83,730	51,591	-
Parking facilities	562	562	-	-
Public safety 2/	559,882	347,810	212,072	-
Police protection 2/	358,771	242,433	116,338	-
Fire protection	194,866	105,377	89,489	-
Prot. insp. & regulation 2/	6,245	-	6,245	-

Continued on next page.

**Table 9.24-- LOCAL GOVERNMENT EXPENDITURES: 2012 -- Con.**

<b>Subject</b>	<b>Total</b>	<b>City &amp; County of Honolulu</b>	<b>Other counties</b>	<b>Special district 1/</b>
Environment and housing 2/	831,336	644,071	186,710	555
Natural resources	792	229	8	555
Capital outlay	229	229	-	-
Parks and recreation	173,645	118,723	54,922	-
Capital outlay	31,216	25,354	5,862	-
Housing & comm. dev.	90,437	57,942	32,495	-
Sewerage 2/	267,601	224,214	43,387	-
Capital outlay	123,137	117,585	5,552	-
Solid waste mgt'ment 2/	298,861	242,963	55,898	-
Capital outlay 2/	101,002	98,191	2,811	-
Gov't admin. 2/	308,853	124,093	184,760	-
Financial admin. 2/	64,242	34,225	30,017	-
Judicial and legal	64,265	23,540	40,725	-
General public bldngs 2/	91,625	35,435	56,190	-
Other gov't admin.	88,721	30,893	57,828	-
Interest on general debt	196,717	166,786	29,931	-
General expenditure, n.e.c.	246,499	121,307	82,503	42,689
Misc. comm. activities	1,129	-	1,129	-
Other and unallocable	245,370	121,307	81,374	42,689
Utility expenditure	925,340	770,105	155,235	-
Capital outlay	438,383	400,927	37,456	-
Water supply	278,233	137,522	140,711	-
Transit	647,107	632,583	14,524	-
Debt outstanding	5,626,998	4,701,881	925,117	-
Short-term	33,000	-	33,000	-
Long-term	5,593,998	4,701,881	892,117	-
Public debt for private purposes	29,052	-	29,052	-
Long-term debt issued	616,293	598,089	18,204	-
Long-term debt retired	483,636	410,961	72,675	-
Cash and security holdings	2,949,382	1,847,933	743,069	358,380
Other than insurance trust funds	2,949,382	1,847,933	743,069	358,380
Offsets to debt 2/	71,593	40,789	30,804	-
Bond funds	169,608	45,354	124,254	-
Other 2/	2,708,181	1,761,790	588,011	358,380

1/ Hawaii statutes allow creation thereof but only Office of Hawaiian Affairs and soil and water conservation districts are counted as governments. See also *Individual State Descriptions: 2012* <<http://www2.census.gov/govs/cog/2012isd.pdf>>.

2/ "Total" and/or "Other counties" revised from previous *Data Book*.

Source: U.S. Census Bureau, "LGF002 State & Local Government Finances by Level and Type of Government and by State: Hawaii 2012" <[http://thedataweb.rm.census.gov/TheDataWeb\\_HotReport2/stateandlocalfinance/stateandlocalfinance.html?YEAR4=2012&STATE=13](http://thedataweb.rm.census.gov/TheDataWeb_HotReport2/stateandlocalfinance/stateandlocalfinance.html?YEAR4=2012&STATE=13)> accessed December 17, 2015.

**Table 9.25-- NUMBER OF EXEMPTIONS AND ADJUSTED GROSS INCOME  
REPORTED ON INDIVIDUAL FEDERAL INCOME TAX RETURNS:  
TAX YEARS 1980 TO 2013**

Tax year	Number of returns	Number of exemptions 1/	Adjusted gross income (less deficit)		
			Total (\$1,000)	Per return (dollars)	Per exemption 1/ (dollars)
1980	424,177	936,056	7,320,740	17,259	7,821
1981	437,977	957,338	7,870,617	17,970	8,221
1982	445,953	1,027,743	8,236,603	18,470	8,014
1983	450,097	1,037,030	8,652,808	19,224	8,344
1984	461,424	1,055,297	9,322,406	20,204	8,834
1985	470,745	1,071,202	9,965,599	21,170	9,303
1986	485,014	1,096,934	10,959,168	22,596	9,991
1987	506,302	1,112,189	12,670,065	25,025	11,392
1988	520,575	1,087,534	14,215,978	27,308	13,072
1989	542,943	1,120,071	15,851,813	29,196	14,153
1990	555,488	1,145,166	17,462,616	31,437	15,249
1991	567,412	1,173,631	17,778,657	31,333	15,148
1992	569,334	1,179,166	18,398,690	32,316	15,603
1993	556,041	1,173,229	18,519,252	33,306	15,785
1994	554,077	1,172,855	18,507,502	33,402	15,780
1995	549,519	1,171,533	19,057,384	34,680	16,267
1996	549,619	1,066,834	19,537,774	35,548	18,314
1997	552,105	1,197,378	20,367,085	36,890	17,010
1998	553,525	1,090,735	20,874,106	37,711	19,138
1999	558,612	1,093,731	22,327,292	39,969	20,414
2000	572,178	1,110,699	23,929,238	41,821	21,544
2001	577,693	(2/)	23,882,640	41,341	(2/)
2002	584,605	1,138,413	24,160,873	41,329	21,223
2003	591,084	1,149,652	25,718,250	43,510	22,370
2004	606,129	1,172,464	28,113,640	46,382	23,978
2005	621,014	1,194,091	31,284,219	50,376	26,199
2006	638,212	1,198,076	33,030,898	51,755	27,570
2007 3/	694,035	1,277,961	35,510,051	51,165	27,786
2008	656,452	1,232,329	33,877,950	51,608	27,491
2009	648,846	1,241,352	33,438,301	51,535	26,937
2010	653,371	1,257,443	33,362,224	51,062	26,532
2011	661,948	1,270,737	34,372,459	51,926	27,049
2012	665,320	1,272,430	36,814,360	55,333	28,932
2013	675,280	1,282,860	37,478,298	55,500	29,215

1/ Exemptions for age or blindness excluded through 1981 and included thereafter. "Number of exemptions" also includes responses of taxpayers who checked the boxes on their tax returns for age 65 or over or for blindness, partly to justify the additional standard deductions for age or blindness. Treating these responses as if they were for personal exemptions enables some comparability to be maintained in the State data between years starting with 1987 (the first year for which the additional standard deductions were allowed for age and blindness) and earlier years, when additional personal exemptions were allowed for this purpose, instead. Note, though, that these responses were not included in the 1996 statistics, so data for that year are not altogether comparable with those for 1997 and years preceding 1996.

2/ Number of exemptions unavailable for all income classes.

3/ Includes returns that were filed by individuals only to receive the economic stimulus payment and who had no other reason to file.

Source: U.S. Treasury Department, Internal Revenue Service, *Statistics of Income. Individual Income Tax Returns* (annual); *SOI Bulletin, Summer 1985*, p. 93; *Winter 1985-86*, p. 97; *Winter 1986-87*, p. 83; *Fall 1990*, pp. 11-57; *Winter 1990-91*, p. 58; *Spring 1993*, p. 148; *Fall 1994*, p. 148; and thereafter *Spring 1995* through *Spring 2003* and thence Tax Year "Individual Income and Tax Data, by State and Size of Adjusted Gross Income" (annual) <<http://www.irs.gov/uac/SOI-Tax-Stats-Historic-Table-2>> accessed February 6, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.26-- ADJUSTED GROSS INCOME AND INCOME TAX, BY SIZE OF  
ADJUSTED GROSS INCOME, FOR INDIVIDUAL FEDERAL INCOME TAX  
RETURNS: TAX YEARS 2011 TO 2013**

Tax year and size of adj. gross income 1/	Number of returns	Adjusted gross income less deficit (\$1,000)	Total income tax liability		
			Number of returns	Amount (\$1,000)	Average (dollars)
2011					
All returns	661,948	34,372,459	485,624	3,874,035	7,977
Under \$1 2/	14,425	-707,557	2,231	4,530	2,030
\$1 under \$50,000	413,770	9,163,795	256,469	489,387	1,908
\$50,000 under \$75,000	92,574	5,687,535	87,683	488,361	5,570
\$75,000 under \$100,000	58,108	5,026,863	56,810	481,756	8,480
\$100,000 under \$200,000	68,081	8,992,014	67,474	1,125,370	16,679
\$200,000 under \$500,000	12,762	3,561,799	12,741	694,073	54,476
\$500,000 or more	2,228	2,648,010	2,216	590,558	266,497
2012					
All returns 3/	665,320	36,814,360	492,520	4,245,984	8,621
Under \$1 2/	12,890	-729,429	2,210	4,364	1,975
\$1 under \$50,000	409,710	9,187,194	255,930	489,115	1,911
\$50,000 under \$75,000	93,820	5,764,409	88,520	493,490	5,575
\$75,000 under \$100,000	59,260	5,130,009	57,370	486,638	8,482
\$100,000 under \$200,000	72,430	9,600,176	71,360	1,178,428	16,514
\$200,000 under \$500,000	14,420	4,032,350	14,380	771,943	53,682
\$500,000 or more	2,770	3,829,650	2,770	822,006	296,753
2013					
All returns 3/	675,280	37,478,298	501,880	4,503,295	8,973
Under \$1 2/	12,270	-737,661	2,110	4,859	2,303
\$1 under \$50,000	410,800	9,264,997	255,750	497,009	1,943
\$50,000 under \$75,000	95,650	5,880,654	90,130	505,875	5,613
\$75,000 under \$100,000	61,350	5,309,800	59,570	512,992	8,612
\$100,000 under \$200,000	76,850	10,224,743	76,000	1,286,123	16,923
\$200,000 under \$500,000	15,790	4,411,540	15,780	868,878	55,062
\$500,000 or more	2,550	3,124,225	2,550	827,558	324,533

1/ Filed in following year.

2/ Includes returns with adjusted gross deficit. Beginning with 2011 shown explicitly in 'Under \$1'.

3/ Sum for both 'Number of returns' categories is 20 higher than 'Total' shown.

Source: U.S. Treasury Department, Internal Revenue Service, Tax Year "Individual Income and Tax Data, by State and Size of Adjusted Gross Income" (annual) <<http://www.irs.gov/uac/SOI-Tax-Stats-Historic-Table-2>> accessed February 6, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.27-- FEDERAL INDIVIDUAL INCOME TAX RETURNS, SELECTED INCOME AND TAX ITEMS:  
TAX YEAR 2012 AND 2013**

[Money amounts in thousands of dollars unless otherwise noted. State totals do not include deleted ZIP code totals]

Adjusted gross income size (dollars)	No. of returns	No. of exemptions	Adjusted gross income	Salaries and wages		Taxable interest		Total tax liability	
				No. of returns	Amount	No. of returns	Amount	No. of returns	Amount
Total - 2012	652,170	1,252,850	37,371,093	538,570	25,582,294	243,590	295,214	490,130	4,206,089
1 under 25,000	237,430	334,500	2,942,483	181,600	2,282,857	47,680	26,135	112,360	97,285
25,000 under 50,000	172,110	323,590	6,242,014	149,960	5,102,898	50,840	31,903	143,450	391,532
50,000 under 75,000	93,810	204,360	5,763,732	79,200	4,337,650	44,410	34,365	88,510	493,413
75,000 under 100,000	59,250	148,740	5,129,137	50,560	3,784,309	34,600	30,985	57,360	486,451
100,000 under 200,000	72,490	196,590	9,623,662	63,040	6,829,389	51,280	63,550	71,420	1,182,456
200,000 or more	17,080	45,070	7,670,065	14,210	3,245,191	14,780	108,276	17,030	1,554,952
Total - 2013	662,730	1,264,860	38,124,325	547,960	26,467,397	227,960	259,175	499,580	4,469,720
1 under 25,000	235,650	325,320	2,911,239	180,390	2,276,629	42,510	22,073	110,850	99,758
25,000 under 50,000	174,940	326,480	6,350,204	153,210	5,252,116	45,120	25,192	144,790	397,105
50,000 under 75,000	95,640	206,010	5,879,872	80,690	4,442,548	41,030	28,159	90,120	505,784
75,000 under 100,000	61,340	151,820	5,308,864	52,060	3,888,723	32,930	25,947	59,550	512,860
100,000 under 200,000	76,910	207,080	10,244,669	66,430	7,159,340	51,090	56,983	76,050	1,290,439
200,000 or more	18,250	48,150	7,429,477	15,180	3,448,041	15,280	100,821	18,220	1,663,774

Source: U.S. Internal Revenue Service, Statistics of Income, records, "Hawaii Individual Income Tax Returns: Selected Income and Tax Items by State, ZIP Code and Size of Adjusted Gross Income, Tax Year 2012"; and Ibid. "Tax Year 2013"

<[http://www.irs.gov/uac/SOI-Tax-Stats-Individual-Income-Tax-Statistics-ZIP-Code-Data-\(SOI\)](http://www.irs.gov/uac/SOI-Tax-Stats-Individual-Income-Tax-Statistics-ZIP-Code-Data-(SOI))> accessed March 9, 2015 and February 10, 2016.

**Table 9.28-- FEDERAL INDIVIDUAL INCOME TAX RETURNS, SELECTED INCOME AND TAX ITEMS,  
BY SELECTED ZIP CODES: TAX YEAR 2013**

[Money amounts in thousands of dollars. State total does not include deleted ZIP code totals. ZIP codes were selected on basis of highest tax liability]

Zip code	No. of returns	Number of		Adj. gross income	Salaries and wages		Taxable interest		Total tax liability	
		Exemp-tions	Depen-dents		No. of returns	Amount	No. of returns	Amount	No. of returns	Amount
State total	662,730	1,264,860	388,640	38,124,325	547,960	26,467,397	227,960	259,175	499,580	4,469,720
96816	26,560	44,580	10,770	1,948,474	20,340	1,136,309	12,260	19,167	21,070	295,179
96734	23,390	45,770	12,970	1,803,161	19,040	1,218,142	10,300	13,227	18,650	245,299
96821	9,820	17,630	4,170	1,225,338	7,010	655,932	5,920	16,377	8,120	228,038
96744	27,760	51,570	14,500	1,814,938	22,430	1,245,526	12,000	9,970	22,130	217,557
96822	21,690	34,940	7,690	1,476,324	16,890	935,726	9,780	12,118	17,620	213,133
96825	15,280	28,810	7,380	1,421,716	11,550	878,268	8,500	11,586	12,750	210,493
96789	26,290	52,980	16,600	1,824,494	22,450	1,371,309	11,890	7,078	21,440	198,170
96817	27,910	50,160	14,560	1,390,236	22,550	944,189	9,450	8,789	20,070	166,425
96701	21,360	38,770	10,440	1,354,226	17,250	926,423	9,500	6,494	17,140	160,572
96797	35,840	72,000	24,520	1,727,634	32,040	1,409,122	10,280	4,378	25,960	150,679
96813	12,370	20,170	4,710	961,457	9,760	559,611	4,960	15,914	9,850	146,838
96706	30,070	65,210	23,820	1,644,178	27,470	1,397,063	7,890	3,058	22,350	142,303
96815	15,660	23,640	4,080	977,118	12,320	633,674	5,880	11,700	12,770	135,870
96707	18,460	39,420	14,030	1,155,679	16,770	948,424	5,490	2,625	14,310	116,202
96720	21,740	41,840	13,330	1,076,052	17,280	708,630	8,030	6,799	15,220	115,929
96814	10,680	16,690	3,300	710,088	8,410	445,409	4,200	10,751	8,550	108,763
96818	22,210	49,960	17,730	1,170,796	19,690	956,903	7,510	3,923	16,390	104,745
96782	18,760	35,280	10,020	1,015,927	14,660	692,374	7,720	4,786	14,560	98,813
96753	12,780	22,560	5,930	734,511	10,200	469,314	3,640	8,103	10,070	91,370
96819	23,770	46,970	16,620	993,802	20,680	766,596	5,600	4,269	15,880	89,032

Source: U.S. Internal Revenue Service, Statistics of Income, "Hawaii Individual Income Tax Returns: Selected Income and Tax Items by State, ZIP Code and Size of Adjusted Gross Income, Tax Year 2013" <[http://www.irs.gov/uac/SOI-Tax-Stats-Individual-Income-Tax-Statistics-ZIP-Code-Data-\(SOI\)](http://www.irs.gov/uac/SOI-Tax-Stats-Individual-Income-Tax-Statistics-ZIP-Code-Data-(SOI))> accessed February 10, 2016.

**Table 9.29-- SELECTED CHARACTERISTICS OF INDIVIDUAL FEDERAL  
INCOME TAX RETURNS: TAX YEAR 2012 AND 2013**

Subject	2012		2013	
	Number of returns	Amount (\$1,000)	Number of returns	Amount (\$1,000)
All returns and adj. gross income (AGI) 1/	665,320	36,814,360	675,280	37,478,298
Salaries and wages	541,880	25,693,038	551,050	26,565,881
Taxable interest income	248,710	353,437	232,570	317,763
Ordinary dividends	138,580	811,808	138,060	706,768
Business or prof. net income (less loss)	99,950	1,501,567	102,340	1,581,890
Farm returns	5,580	(NA)	5,660	(NA)
Net capital gain (less loss)	104,240	1,759,512	111,560	1,549,766
Taxable indiv. retire. arrangements distrib.	60,420	971,396	60,520	897,201
Taxable pensions and annuities	135,840	3,480,554	138,600	3,642,910
Unemployment compensation	44,340	340,156	37,780	242,168
Taxable social security benefits	88,210	1,187,486	91,800	1,281,404
Self-employment (keogh) retirement plans	4,920	100,165	5,210	109,504
Exemptions	1,272,430	(NA)	1,282,860	(NA)
Itemized deductions	203,620	5,258,810	200,700	5,129,606
State and local income taxes	172,300	1,292,801	171,010	1,379,175
State and local general sales tax	26,420	29,748	24,770	28,732
Real estate taxes	156,350	299,659	153,570	306,124
Total taxes paid	202,440	1,663,798	199,510	1,740,958
Home mortgage interest paid	146,560	2,015,173	143,130	1,860,054
Contributions (Charitable contributions)	165,280	625,856	161,950	608,836
Taxable income	517,470	24,815,336	526,900	25,330,120
Total tax credits	215,160	383,742	218,310	353,341
Residential energy tax credit	20,680	115,666	19,930	85,247
Child tax credit	103,770	128,975	103,570	129,252
Child (and dependent) care credit	28,750	14,247	28,360	14,197
Earned income credit	114,580	240,483	116,110	247,426
Excess earned income credit (refundable)	98,490	217,055	99,060	221,558
Alternative minimum tax	13,030	101,733	12,450	86,531
Total tax payments	627,120	5,351,568	636,280	5,568,704
Income tax (before credits)	514,380	4,397,814	523,290	4,529,447
Tax liability	492,520	4,245,984	501,880	4,503,295
Tax due at time of filing	117,870	444,101	127,340	505,353
Overpayments (negative amount)	500,410	1,326,937	501,230	1,362,018

NA Not available.

1/ Adjusted gross income (AGI) includes deficit.

Source: U.S. Internal Revenue Service, Table 2.-- Individual Income and Tax Data, by State and Size of Adjusted Gross Income, Tax Year 2012 <<http://www.irs.gov/pub/irs-soi/12in12hi.xls>> accessed July 14, 2014; and Ibid. Tax Year 2013 <<http://www.irs.gov/pub/irs-soi/13in12hi.xls>> accessed June 21, 2016.

**Table 9.30-- INTERNAL REVENUE SERVICE OPERATIONS: 2010 TO 2015**

[In number or thousands of dollars. For fiscal years ending September 30. Numbers shown for the State of Hawaii do not necessarily indicate the Federal tax burden, since, in many instances, taxes are collected in one State from residents of, or operations in, another. Also, taxes of corporations may be paid from the principal office, although operations of these corporations may be located in one or more state(s). Refunds may be issued for a tax paid in a prior year]

Subject	2010	2011	2012	2013	2014	2015
Total number of returns filed	1,076,845	1,087,893	1,082,377	1,109,435	1,108,736	1,123,626
Individual income tax	645,560	651,371	658,626	667,040	675,858	682,348
Estate and trust income tax	13,817	14,013	13,891	14,224	14,129	14,669
Partnership tax	11,555	11,737	11,762	12,181	12,239	12,641
Corporate income tax 1/	28,374	27,836	28,025	28,242	27,299	27,661
Estate tax	231	69	163	173	163	213
Gift tax	1,339	1,195	1,371	1,596	1,515	1,168
Employment taxes	124,710	121,726	120,345	121,027	120,548	119,688
Excise taxes	1,315	776	1,769	1,271	1,332	1,341
Other 2/	249,944	259,170	246,425	263,681	255,653	263,897
Total no. of returns filed electronically	432,224	514,183	566,309	602,823	632,712	660,297
Individual income tax	379,403	444,090	485,395	507,466	530,129	548,765
Estate and trust income tax	2,148	6,712	7,736	8,361	8,777	9,410
Partnership tax	2,288	3,441	4,650	5,583	6,400	7,055
Corporate income tax 1/	4,364	6,920	9,161	10,617	12,006	13,030
Employment taxes	22,663	23,904	24,879	26,436	27,695	30,947
Other 3/	21,358	29,116	34,488	44,360	47,705	51,090
Total number of refunds issued	544,826	543,583	550,994	549,605	536,883	541,056
Business income tax	3,874	3,266	2,851	2,502	2,097	2,182
Individual income tax 4/	532,962	530,129	538,380	539,181	528,732	532,548
Employment taxes	7,489	9,847	9,378	7,605	5,798	6,016
Estate tax	71	32	20	(D)	18	25
Gift tax	16	15	19	(D)	8	9
Excise taxes	414	294	346	293	230	276
Total amount of refunds issued (\$1,000)	1,502,019	1,599,606	1,433,423	1,474,782	1,452,114	1,443,955
Business income tax	107,095	238,435	91,421	112,278	87,680	110,568
Individual income tax	1,377,198	1,345,977	1,331,303	1,350,194	1,354,430	1,324,862
Employment taxes	10,944	10,546	8,656	8,011	5,962	5,917
Estate tax	5,008	3,717	822	(D)	1,348	2,181
Gift tax	633	40	120	(D)	10	75
Excise taxes	1,141	891	1,101	1,347	2,685	351

D Not shown to avoid disclosure of information about specific taxpayers. However, the data are included in the appropriate totals.

1/ Includes S corporations and C or other corporations income tax.

2/ Includes Individual estimated income tax, Estate and trust estimated income tax, Tax-exempt organizations, and supplemental documents.

3/ 2010 and beyond also includes supplemental documents; 2014 and beyond also includes excise taxes.

4/ For 2010 to 2015, includes individual income tax and estate and trust income tax.

Source: U.S. Internal Revenue Service, *Internal Revenue Service Data Book* (annual)

<<http://www.irs.gov/uac/SOI-Tax-Stats-IRS-Data-Book>> accessed March 30, 2016 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.31-- RESIDENT INDIVIDUAL STATE INCOME TAX RETURNS:  
TAX YEARS 1980 TO 2005 AND 2012 AND 2013**

<b>Year income was received</b>	<b>Number of resident returns</b>	<b>Adjusted gross income 1/ (\$1,000)</b>	<b>Taxable income (\$1,000)</b>	<b>Tax liability (\$1,000)</b>
1980	403,311	6,382,375	4,207,796	317,134
1981	429,100	6,759,002	4,416,316	332,288
1982	422,535	6,912,014	4,469,031	339,108
1983	424,194	7,088,769	4,695,499	360,551
1984	422,245	7,604,199	4,980,484	387,300
1985	427,572	8,060,406	5,284,942	415,544
1986	426,532	8,370,257	5,493,138	437,263
1987	468,363	10,147,149	7,170,035	556,135
1988	483,913	11,504,190	8,387,106	658,879
1989	510,512	13,091,785	9,540,367	729,649
1990	520,785	13,958,079	10,260,825	794,478
1991	527,993	14,648,266	10,745,622	840,485
1992	531,758	15,284,606	11,117,647	877,623
1993	532,533	15,307,960	11,178,223	884,048
1994	545,715	15,951,730	11,617,978	923,601
1995	521,194	15,307,772	11,115,466	883,119
1996	523,967	15,966,451	11,510,879	917,117
1997	514,563	16,651,182	12,245,720	983,677
1998	516,582	17,212,238	12,734,546	1,027,478
1999	517,178	18,276,952	13,760,031	949,346
2000	522,132	19,086,936	14,281,311	996,891
2001	522,741	18,815,637	14,056,450	938,328
2002	523,103	19,014,458	14,349,573	904,879
2003	526,516	19,886,764	15,082,448	959,014
2004	544,202	22,819,751	17,706,606	1,149,431
2005	554,563	24,910,803	19,370,582	1,274,707
2012	601,420	29,790,461	24,368,125	1,652,885
2013	613,603	30,138,474	24,231,837	1,631,874

1/ Beginning in 1998, includes returns with negative AGI. Prior to 1998, the category was footnoted as 'exclusive of losses' to indicate returns with negative AGI were excluded.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* (annual), Table 1 (1980 - 2004) and Table A1 (2005 and 2012 and 2013) and for 1994-2005 and 2012 and 2013 <[http://tax.hawaii.gov/stats/a5\\_5ind\\_inc/](http://tax.hawaii.gov/stats/a5_5ind_inc/)> accessed June 21, 2016.

**Table 9.32-- NONRESIDENT INDIVIDUAL STATE INCOME TAX RETURNS:  
TAX YEARS 1980 TO 2005 AND 2012 AND 2013**

Year income was received	Number of nonresident returns	Hawaii adjusted gross income 1/ (\$1,000)	Taxable income (\$1,000)	Tax liability (\$1,000)
1980	20,547	124,382	68,021	4,604
1981	19,220	125,460	63,493	4,209
1982	18,734	117,704	59,774	4,206
1983	18,269	141,569	76,856	5,397
1984	18,253	146,749	76,531	5,253
1985	19,761	152,493	83,007	5,958
1986	19,750	158,694	85,946	6,023
1987	24,019	248,057	153,184	10,587
1988	27,942	359,460	246,336	17,677
1989	28,335	348,697	235,916	15,939
1990	34,842	620,995	465,934	33,863
1991	37,192	487,673	330,025	22,703
1992	38,309	414,858	244,432	24,294
1993	37,657	472,539	323,031	22,373
1994	38,986	514,754	362,145	26,152
1995	34,651	420,322	293,600	20,302
1996	32,407	408,173	287,062	20,695
1997	48,183	526,607	(2/)	49,166
1998	48,815	494,790	(2/)	53,546
1999	49,545	564,958	685,077	44,132
2000	52,742	1,041,679	1,109,114	61,339
2001	52,429	744,438	789,217	49,897
2002	55,189	747,868	854,137	51,918
2003	58,416	977,389	1,077,268	67,263
2004	61,860	1,375,671	1,429,947	92,175
2005	67,586	2,033,074	2,013,637	134,034
2012	77,650	907,688	1,576,147	105,730
2013	83,707	1,075,191	1,690,886	112,450

1/ Beginning in 1998, includes returns with negative AGI. Prior to 1998, the category was footnoted as "exclusive of losses" to indicate returns with negative AGI were excluded.

2/ Hawaii Taxable Income not on N-15 Return.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* (annual), Table 1 (1980 - 2004) and Table A1 (2005 and 2012 and 2013) and for 1994-2005 and 2012 and 2013

<[http://tax.hawaii.gov/stats/a5\\_5ind\\_inc/](http://tax.hawaii.gov/stats/a5_5ind_inc/)> accessed June 21, 2016.

**Table 9.33-- SELECTED DATA ON RESIDENT TAX RETURNS WITH AT LEAST ONE AGE EXEMPTION: TAX YEAR 2012 AND 2013**

[In millions of dollars unless otherwise indicated. Elderly taxpayers, 65 years of age or older, may claim an extra exemption. There was no *Hawaii Income Patterns: Individuals* report for 2006 to 2011 and the 2012 and 2013 do not include all the detailed data in the 2005 and earlier reports]

Item	Taxable returns	Nontaxable returns
2012		
Number of tax returns	61,132	63,439
Hawaii adjusted gross income (AGI)	4,372	-77
Standard deductions	54	82
Itemized deductions	627	71
Taxable income	3,502	-
Tax liability before credits	255	-
Tax liability after credits	206	-14
Number of taxpayers over 65	57,876	62,663
Number of taxpayers' spouses over 65	22,713	22,392
2013		
Number of tax returns	63,373	65,707
Hawaii adjusted gross income (AGI)	4,440	-84
Standard deductions	62	91
Itemized deductions	745	591
Taxable income	3,419	(X)
Tax liability before credits	244	(X)
Tax liability after credits	203	-11
Number of taxpayers over 65	60,003	64,859
Number of taxpayers' spouses over 65	23,656	23,044

X Not applicable.

Source: Hawaii State Department of Taxation, *Hawaii Individual Income Tax Statistics Tax Year* (annual) table 7 <[http://tax.hawaii.gov/stats/a5\\_5ind\\_inc/](http://tax.hawaii.gov/stats/a5_5ind_inc/)> accessed June 21, 2016.

**Table 9.34-- SOURCES OF INCOME REPORTED BY NONRESIDENT  
TAXPAYERS: TAX YEARS 1999 TO 2005**

[In dollars. There were no *Hawaii Income Patterns: Individuals* reports for 2006 to 2011 and the detailed data in the 2005 and earlier reports were not available in the 2012 and 2013 reports to update this table]

Year	Total	Salaries and wages	Interest	Ordinary dividends	Capital assets/ other property	Rents, royalties, partnerships, S corp., estates & trusts	All other sources
1999	585,507	465,300	22,253	6,484	180,086	65,494	-154,110
2000	1,068,694	537,628	26,650	10,642	303,511	229,352	-39,089
2001	768,756	560,450	20,456	6,727	231,958	41,672	-92,507
2002	776,935	574,547	23,657	5,846	224,685	60,020	-111,820
2003	1,009,463	609,472	26,659	7,310	381,082	80,640	-95,700
2004	1,407,217	651,388	37,757	8,774	712,124	81,568	-84,394
2005	2,071,899	744,285	39,257	10,301	1,101,584	104,315	72,157

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* (annual) and <[http://hawaii.gov/tax/a5\\_5ind\\_inc.htm](http://hawaii.gov/tax/a5_5ind_inc.htm)> accessed March 13, 2008.

**Table 9.35-- STATE INCOME TAX RESIDENT RETURNS ON INCOME RECEIVED DURING 2013, BY ADJUSTED GROSS INCOME CLASS**

Adjusted gross income class	Number of returns	Adjusted gross income 1/ (\$1,000)	Taxable income (\$1,000)	Tax liability (\$1,000)
All resident returns	613,603	30,138,474	24,231,837	1,631,874
Taxable resident returns	504,290	30,440,112	24,231,837	1,631,874
Under \$5,000	15,718	56,202	17,151	259
\$5,000 under \$10,000	37,284	282,122	140,447	3,309
\$10,000 under \$20,000	77,591	1,159,257	741,742	28,645
\$20,000 under \$30,000	73,316	1,826,480	1,332,926	65,074
\$30,000 under \$40,000	62,141	2,163,367	1,648,756	90,198
\$40,000 under \$50,000	47,832	2,139,070	1,654,247	96,618
\$50,000 under \$75,000	73,112	4,484,114	3,455,227	212,613
\$75,000 under \$100,000	45,585	3,945,477	3,055,068	198,058
\$100,000 under \$150,000	42,539	5,125,227	4,051,059	276,532
\$150,000 under \$200,000	14,753	2,520,851	2,050,995	148,034
\$200,000 under \$300,000	8,300	1,977,455	1,763,785	133,949
\$300,000 and over	6,119	4,760,488	4,320,434	378,586
Nontaxable resident returns	109,313	-301,638	(X)	(X)
Loss	13,488	-717,967	(X)	(X)
Under \$5,000	72,256	84,117	(X)	(X)
\$5,000, under \$10,000	11,842	86,817	(X)	(X)
\$10,000 and over	11,727	245,396	(X)	(X)

X Not applicable.

1/ Includes returns with negative adjusted gross income.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns, Individuals, 2013*, table A1  
 <[http://tax.hawaii.gov/stats/a5\\_5ind\\_inc/](http://tax.hawaii.gov/stats/a5_5ind_inc/)> accessed June 21, 2016.

**Table 9.36-- MEDIAN ADJUSTED GROSS INCOME OF RESIDENT STATE INCOME TAX RETURNS, BY TYPE OF RETURN, 1982 TO 2005, AND BY COUNTY, 2005**

[In dollars. There were no *Hawaii Income Patterns: Individuals* reports for 2006 to 2011 and the detailed data in the 2005 and earlier reports were not available in the 2012 and 2013 reports to update this table]

Year income was received	Taxable and nontaxable returns 1/			Taxable returns only		
	All returns	Joint	Other 2/	All returns	Joint	Other 2/
1982	11,178	23,737	6,080	15,466	27,285	9,636
1983	11,297	25,047	6,432	15,937	29,076	10,009
1984	12,035	25,290	6,858	16,565	28,935	10,540
1985	12,488	25,838	7,087	17,124	29,870	10,710
1986	12,941	26,576	7,768	17,747	31,755	11,557
1987	13,252	29,036	7,709	17,977	34,063	11,131
1988	14,749	31,787	8,910	18,956	36,706	12,452
1989	15,614	34,581	9,382	20,502	39,305	13,748
1990	16,297	35,355	10,351	21,250	40,924	14,286
1991	17,737	37,709	11,607	22,502	43,322	15,321
1992	18,042	38,707	11,909	23,462	45,138	16,389
1993	18,504	39,838	11,913	24,196	46,222	17,296
1994	18,827	39,782	12,070	25,265	46,778	17,922
1995	19,602	39,147	13,401	25,277	46,714	18,439
1996	19,834	39,079	13,217	25,393	47,505	18,294
1997	20,866	41,750	13,671	26,475	48,865	18,475
1998	21,065	42,534	13,944	26,838	50,147	18,615
1999	21,662	44,656	14,596	27,445	52,085	18,969
2000	22,157	46,636	14,764	27,948	54,353	19,352
2001	22,626	46,012	15,649	28,159	53,899	19,809
2002	22,757	46,853	15,707	28,881	55,554	20,219
2003	23,533	47,966	16,483	29,920	58,011	21,140
2004	24,704	51,351	17,116	31,064	60,776	21,719
2005	25,826	53,304	17,829	32,371	63,439	22,949
COUNTY: 2005						
Oahu	25,992	54,562	17,635	32,838	64,936	22,926
Maui	27,435	54,962	20,149	32,730	62,932	24,066
Hawaii	23,770	47,115	16,750	29,977	58,318	22,109
Kauai	24,675	49,913	17,729	31,947	59,233	21,841

1/ Includes returns with adjusted gross income losses.

2/ Includes single, married filing separately, heads of households, and qualifying surviving spouses.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* (annual) and <[http://hawaii.gov/tax/a5\\_5ind\\_inc.htm](http://hawaii.gov/tax/a5_5ind_inc.htm)> accessed March 13, 2008.

**Table 9.37-- TAX CREDITS CLAIMED, BY TYPE OF CREDIT AND BY TYPE OF TAXPAYER: 2013**

[In thousands of dollars]

Type of credit	Total	Individuals	Nonfinancial corporations	Financial corporations	Insurance underwriters	Fiduciaries	Exempt organizations
Total	314,097	188,140	84,836	11,149	22,102	7,312	500
Active tax credits							
Promote social welfare							
Refundable food/excise	28,323	28,323	-	-	-	-	-
Low-income household renters	3,949	3,949	-	-	-	-	-
Child and dependent care expenses	9,281	9,281	-	-	-	-	-
Child passenger restraint systems	77	77	-	-	-	-	-
Employment of vocational rehabilitation referrals	19	(D)	-	-	-	(D)	-
Low-income housing	14,730	192	(D)	(D)	(D)	-	-
School repair & maintenance	(D)	(D)	-	-	-	-	-
Lifeline telephone service	59	(X)	(X)	-	-	-	-
Encourage certain industries or econ. activities							
Fuel credit for commercial fishers	158	120	38	-	-	-	-
Motion picture, digital media & film production	31,889	326	31,563	-	-	-	-
Renewable energy technologies 1/	118,283	91,313	25,343	(D)	-	271	(D)
Enterprise zone	1,717	1,430	(D)	-	-	(D)	-
Ethanol facility	5	5	-	-	-	-	-
Important agricultural lands	-	-	-	-	-	-	-
Research activities	1,276	182	1,094	-	-	-	-
Avoid double taxation or pyramiding of taxes							
Capital goods excise	27,467	5,086	20,691	1,182	-	302	205
Income tax paid to another state or foreign country	36,045	31,526	-	-	-	4,518	-
Expired tax credits							
Promote social welfare							
Individual development account contribution	(D)	-	-	-	-	-	(D)
Encourage certain industries or econ. activities							
High technology business investment	40,449	16,168	5,398	-	(D)	2,199	(D)
Energy conservation	(1/)	(1/)	(1/)	-	-	-	-
Hotel construction & remodeling	(D)	(D)	(D)	-	-	-	-
Technology infrastructure renovation	15	(D)	-	-	-	(D)	-
Residential construction & remodeling	166	135	(D)	-	-	(D)	-

D Data in the cell were suppressed to prevent potential disclosure of confidential taxpayer information.

X Not applicable.

1/ Data for the energy conservation tax credit are included in the renewable energy tax credit.

Source: Hawaii State Department of Taxation, *Tax Credits Claimed by Hawaii Taxpayers: 2013* (December 2015), p. 23  
<http://files.hawaii.gov/tax/stats/stats/credits/2013credit.pdf> accessed June 21, 2016.

**Table 9.38-- GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS:  
2014 AND 2015**

[In thousands of dollars. Data are on a cash basis accounting and may be distorted on a monthly basis, primarily due to cutoffs and out-of-period adjustments]

Source of revenue	Tax base		Tax collections	
	2014	2015	2014	2015
All sources	91,682,136	95,156,203	2,979,776	3,141,489
Sources taxed at 4 percent	67,566,981	70,130,283	2,702,679	2,805,211
Retailing	30,766,185	31,062,710	1,230,647	1,242,508
Services	13,527,677	13,989,090	541,107	559,564
Contracting	7,024,044	8,112,238	280,962	324,490
Theater, amusement, radio, etc.	398,887	397,833	15,955	15,913
Interest	40	30	2	1
Commissions	1,127,368	1,184,012	45,095	47,360
Hotel rentals	4,314,087	4,492,983	172,563	179,719
All other rentals	6,482,060	6,818,405	259,282	272,736
Use	963,506	1,025,730	38,540	41,029
All others	2,963,125	3,047,252	118,525	121,890
Sources taxed at other rates 1/	24,115,156	25,025,920	118,913	123,337
Insurance solicitors	475,063	512,283	713	768
Sugar processing	-	-	-	-
Pineapple canning	-	-	-	-
Producing	336,675	337,702	1,683	1,689
Manufacturing	701,988	750,372	3,510	3,752
Wholesaling	15,282,809	14,793,349	76,414	73,967
Services (intermediary)	689,539	723,071	3,448	3,615
Use	6,629,083	7,909,142	33,145	39,546
Unallocated net collections	(2/)	(2/)	158,183	212,941

1/ Insurance solicitors at 0.15 percent; others at 0.5 percent.

2/ This report reflects the tax bases for only allocated collections. The base for the unallocated net collections cannot be determined due to differing tax rates which may be applicable.

Source: Hawaii State Department of Taxation, "General Excise And Use Tax Collections - Calendar Year Summary December 31, 2015" <[http://tax.hawaii.gov/stats/a5\\_3txcolrptarchive/](http://tax.hawaii.gov/stats/a5_3txcolrptarchive/)> accessed June 3, 2016.

**Table 9.39-- TOBACCO TAX COLLECTIONS: 1994 TO 2015**

[In dollars. Definitions and rates are as specified in Hawaii Revised Statutes Chapter 245 and §245-3 Taxes and as amended and "Outline of the Hawaii Tax System as of July 1, 2015" issued by the Department of Taxation]

Year	Cigarettes	Tax rate per cigarette	Other tobacco products 1/
1994	33,424,978	\$0.03 as of July 1, 1993	2,802,993
1995	34,683,672	\$0.03 as of July 1, 1993	2,765,172
1996	35,836,158	\$0.03 as of July 1, 1993	1,805,131
1997	32,878,288	\$0.04 as of Sept. 30, 1997	2,677,839
1998	35,694,448	\$0.05 as of July 1, 1998	3,804,475
1999	39,697,383	\$0.05 as of July 1, 1998	1,996,928
2000	40,777,139	\$0.05 as of July 1, 1998	2,941,355
2001	61,282,238	\$0.05 as of July 1, 1998	3,226,138
2002	64,892,154	\$0.06 as of Sept. 30, 2002	1,863,028
2003	75,760,904	\$0.065 as of June 30, 2003	1,715,058
2004	81,615,862	\$0.07 as of June 30, 2004	1,768,561
2005	83,630,255	\$0.07 as of June 30, 2004	2,328,665
2006	85,006,267	\$0.08 as of Sept. 30, 2006	5,403,122
2007	97,087,696	\$0.09 as of Sept. 30, 2007	2,972,626
2008	102,480,449	\$0.10 as of Sept. 30, 2008	3,470,170
2009	112,715,186	\$0.13 as of July 1, 2009	2,611,359
2010	128,909,763	\$0.15 as of July 1, 2010	6,171,466
2011	134,678,544	\$0.16 as of July 1, 2011	8,200,288
2012	126,334,359	\$0.16 as of July 1, 2011	7,560,663
2013	114,677,229	\$0.16 as of July 1, 2011	7,684,824
2014	119,603,479	\$0.16 as of July 1, 2011	7,729,105
2015	117,526,565	\$0.16 as of July 1, 2011	8,557,398

1/ Other [than cigarettes] tobacco products are now taxed at 70 percent and large cigars at 50 percent of the wholesale value. The tax rate on 'little cigars' changed on October 1, 2009 to \$0.11; on July 1, 2010 to equal the \$0.15 on cigarettes; and on July 1, 2011 to equal the \$0.16 on cigarettes.

Source: Hawaii State Department of Taxation, "Tobacco Tax Collections and Licenses" (annual calendar year summary) <[http://tax.hawaii.gov/stats/a5\\_3txcolrptarchive/](http://tax.hawaii.gov/stats/a5_3txcolrptarchive/)> accessed June 28, 2016.

**Table 9.40-- LIQUOR TAX COLLECTIONS: 1990 TO 2015**

[In thousands of dollars. Includes penalties and interest and permit fees. Definitions and rates are as specified in Hawaii Revised Statutes Chapter 244D, and as amended and "Outline of the Hawaii Tax System as of July 1, 2015" issued by the Department of Taxation]

<b>Year</b>	<b>Total</b>	<b>Year</b>	<b>Total</b>
1990	42,094	2003	42,149
1991	40,125	2004	43,426
1992	40,983	2005	43,594
1993	38,286	2006	47,001
1994	38,753	2007	44,705
1995	37,486	2008	47,568
1996	38,624	2009	45,332
1997	38,624	2010	44,961
1998 1/	38,361	2011	48,433
1999	37,139	2012	48,612
2000	39,887	2013	49,197
2001	39,379	2014	49,451
2002	38,497	2015	50,539

1/ Beginning July 1, 1998, tax rates per wine gallon are \$5.98 on distilled spirits, \$2.12 on sparkling wine, \$1.38 on still wine, \$0.85 on cooler beverages, \$0.93 on beer other than draft beer, and \$0.54 on draft beer.

Source: Hawaii State Department of Taxation, "Liquor Tax Collections and Permits" (annual calendar year summary) and <[http://tax.hawaii.gov/stats/a5\\_3txcolrptarchive/](http://tax.hawaii.gov/stats/a5_3txcolrptarchive/)> accessed June 28, 2016.

**Table 9.41-- STATE AND LOCAL SALES AND USE TAX REVENUE LOSSES FROM E-COMMERCE FOR THE UNITED STATES AND HAWAII: 2007 TO 2012**

[In millions of dollars unless otherwise specified. Estimates of losses due to jurisdiction's inability to collect taxes on sales via the Internet. See source for discussion of assumptions]

Category	Baseline			Optimistic 1/		
	Due	Collections	Losses	Due	Collections	Losses
2007						
Total state and local						
U.S. (including Dist.of Col.)	29,176.8	21,931.2	7,245.6	29,176.8	21,931.2	7,245.6
Hawaii	149.5	111.4	38.2	149.5	111.4	38.2
2008						
Total state and local						
U.S. (including Dist.of Col.)	31,112.6	23,386.3	7,726.3	31,190.6	23,444.9	7,745.7
Hawaii	159.4	118.7	40.7	159.8	119.0	40.8
2009						
Total state and local						
U.S. (including Dist.of Col.)	27,992.3	21,040.8	6,951.4	30,212.3	22,709.6	7,502.7
Hawaii	143.4	106.8	36.6	154.8	115.3	39.5
2010						
Total state and local						
U.S. (including Dist.of Col.)	34,713.2	26,092.7	8,620.4	39,945.1	30,025.4	9,919.7
Hawaii	177.9	132.5	45.4	204.7	152.4	52.2
2011						
Total state and local						
U.S. (including Dist.of Col.)	40,815.2	30,679.5	10,135.8	45,596.1	34,273.1	11,323.1
Hawaii	209.2	155.8	53.4	233.6	174.0	59.6
2012						
Total state and local						
U.S. (including Dist.of Col.)	45,876.6	34,483.9	11,392.7	50,937.9	38,288.3	12,649.6
Hawaii	235.1	175.1	60.0	261.0	194.4	66.6

1/ Forecasts a higher growth rate of the economy and of resulting internet sales.

Source: Donald Bruce, William F. Fox, William B. Stokely and LeAnn Luna, "State and Local Government Sales Tax Revenue Losses from Electronic Commerce" (April 13, 2009) Center for Business and Economic Research, College of Business Administration, University of Tennessee  
 <<http://cber.bus.utk.edu/ecomm/ecom0409.pdf>> accessed September 1, 2011; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 9.42-- REAL PROPERTY TAX VALUATIONS: 1986 TO 2016**

[In thousands of dollars. For fiscal year ending June 30. Government parcels assessed at \$1, 1985-1987, and at 100 percent thereafter]

Year	Assessor's gross valuation 1/			Valuation for tax rate purposes
	Total	Land	Improvement	
1986	51,231,020	25,507,708	25,723,312	43,581,421
1987	52,814,463	26,442,872	26,371,591	45,222,885
1988	54,655,038	27,396,477	27,258,561	46,629,959
1989	67,628,063	36,730,370	30,897,693	50,219,249
1990	76,926,745	42,778,927	34,147,818	57,526,564
1991	99,942,540	61,554,968	38,387,572	71,080,524
1992	132,952,299	88,359,248	44,593,051	95,943,417
1993	130,733,131	84,299,686	46,433,445	111,593,106
1994	136,239,310	87,785,946	48,453,364	115,954,097
1995	137,202,083	86,552,575	50,649,508	116,389,670
1996	136,153,769	84,102,966	52,050,803	115,115,001
1997	135,073,354	82,035,301	53,038,053	114,303,125
1998	131,536,224	78,049,699	53,486,525	110,955,447
1999	125,412,154	72,253,741	53,158,413	105,184,585
2000	120,687,029	67,673,347	53,013,682	100,906,373
2001	118,929,005	65,241,123	53,687,882	98,984,387
2002	123,394,937	66,563,433	56,831,504	103,313,817
2003	131,562,028	69,116,128	62,445,900	110,384,134
2004	141,029,581	73,014,576	68,015,005	119,254,215
2005	162,787,538	(2/)	(2/)	138,383,238
2006	199,525,855	(2/)	(2/)	171,105,210
2007	254,954,333	(2/)	(2/)	220,731,778
2008	292,830,383	(2/)	(2/)	253,358,852
2009	297,908,333	(2/)	(2/)	257,714,285
2010	298,084,580	(2/)	(2/)	255,749,570
2011	274,149,769	(2/)	(2/)	232,482,952
2012	267,181,978	(2/)	(2/)	226,552,118
2013	265,105,539	(2/)	(2/)	226,611,749
2014	270,900,638	(2/)	(2/)	231,756,610
2015	293,088,510	(2/)	(2/)	251,793,531
2016	312,643,577	(2/)	(2/)	270,329,448

1/ Beginning in 1992, values shown for gross valuation exclude nontaxable properties.

2/ As of the 2004-2005, Statewide detail no longer available separately as the City and County of Honolulu consolidated 'Land' and 'Improvement' into the single category 'Property'.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, Real Property Tax Valuations, Tax Rates, & Exemptions by Year, "Statewide Real Property Tax Valuation for Fiscal Year 2015-2016"

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed October 27, 2015; and earlier reports; and reports as the Department of Finance.

**Table 9.43-- REAL PROPERTY TAX VALUATION FOR THE STATE,  
2013 TO 2016, AND BY COUNTY, 2016**

[In thousands of dollars. For fiscal year ending June 30. Gross valuations exclude nontaxable (government) properties]

<b>Subject</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Assessor's gross valuation 1/ 2/	265,105,539	270,900,638	293,088,510	314,906,372
Land	(3/)	(3/)	(3/)	(3/)
Improvement	(3/)	(3/)	(3/)	(3/)
Exemptions 1/	37,104,305	37,697,576	39,744,628	41,157,593
Assessor's net taxable valuation	228,001,234	233,203,062	253,343,881	273,748,781
Half of valuation on appeal	1,389,485	1,446,451	1,550,351	1,666,887
Number of appeals	2,541	2,452	3,141	3,991
Valuation for tax rate purposes	226,611,749	231,756,610	251,793,531	272,081,895
Land	(3/)	(3/)	(3/)	(3/)
Improvement	(3/)	(3/)	(3/)	(3/)
Amount to be raised by taxation	1,300,905	1,365,637	1,506,478	1,615,518
<b>2016, by county</b>	<b>Honolulu</b>	<b>Maui</b>	<b>Hawaii</b>	<b>Kauai</b>
Assessor's gross valuation 1/ 2/	214,888,197	47,554,054	32,043,859	20,420,263
Land	(3/)	20,355,876	13,482,811	(4/)
Improvement	(3/)	27,198,178	18,561,048	(4/)
Exemptions 1/	26,253,925	6,279,830	5,596,890	3,026,948
Assessor's net taxable valuation	188,634,272	41,274,225	26,446,969	17,393,315
Half of valuation on appeal	915,437	562,504	54,122	134,822
Number of appeals	2,071	1,254	224	442
Valuation for tax rate purposes	187,718,834	40,711,720	26,392,847	17,258,493
Land	(3/)	18,776,916	12,581,423	(4/)
Improvement	(3/)	21,934,807	13,811,424	(4/)
Amount to be raised by taxation	1,005,871	254,111	242,717	112,819

1/ Beginning in 1993, data exclude nontaxable properties.

2/ Assessed value for 2013 as of January 27, 2012 for Honolulu; April 19, 2012 for Maui and Hawaii; and March 30, 2012 for Kauai. Assessed value for 2014 as of January 29, 2013 for Honolulu; as of February 22, 2013 for Kauai; April 19, 2013 for Maui; and June 17, 2013 for Hawaii. Assessed value for 2015 as of January 31, 2014 for Honolulu; February 20, 2014 for Kauai; April 19, 2014, for Maui; and April 21, 2014 for Hawaii County. Assessed value for 2016 as of January 29, 2015 for Honolulu; February 13, 2015 for Kauai; April 19, 2015, for Maui; and April 21, 2015 for Hawaii County.

3/ As of the 2004 - 2005 report, Statewide detail no longer available separately as the City and County of Honolulu consolidated 'Land' and 'Improvement' into the single category 'Property'.

4/ Single rate for each class.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, Real Property Tax Valuations, Tax Rates, & Exemptions by Year, "Statewide Real Property Tax Valuation for Fiscal Year 2015-2016" and individual county valuations <<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed January 12, 2016; and earlier reports; and reports as the Department of Finance.

**Table 9.44-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE: 2015 AND 2016**

[For fiscal year ending June 30]

Type of exemption	2015		2016	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
All exemptions, Statewide	263,638	71,675,408	263,432	74,963,484
Federal government	611	6,648,520	621	7,205,554
State government	8,346	16,348,326	8,498	17,540,094
County government	3,956	6,038,609	3,977	6,426,054
Government leases - total	139	122,447	142	125,200
Government leases - portion	121	55,417	130	55,504
Hawaiian Homes Commission	2,043	968,253	1,961	1,004,464
Hawaiian Homes Land - basic	1,215	197,810	1,300	223,535
Hawaiian Homes Land - multiple	635	120,203	699	135,561
Hawaiian Homes Land - total land	5,573	1,698,095	6,019	2,004,546
Hawaiian Homes Land - vacant land	256	26	250	25
Hawaiian Homes - 7 year	987	424,380	572	233,614
Homes - fee (basic)	147,993	16,102,217	150,356	16,466,276
Homes - fee (multiple)	61,808	8,393,411	60,452	8,255,278
Homes - leasehold (basic)	3,376	348,766	3,354	353,850
Homes - leasehold (multiple)	1,625	239,707	1,527	228,479
In lieu of home ex - fee	2,209	381,197	1,678	291,404
In lieu of home ex - lease	97	16,515	72	12,562
Additional home exemption	1,310	145,560	1,604	184,088
Blind	394	10,899	353	9,998
Deaf	3,189	99,000	2,213	80,494
Leprosy	4	75	4	100
Totally disabled	3,052	82,153	2,949	81,018
Totally disabled veterans	1,955	957,789	2,057	1,073,112
Cemeteries	110	53,297	110	56,611
Charitable organizations	1,473	2,624,784	1,529	2,678,297
Childcare	18	900	18	900
Child care center, non-profit	4	17,853	5	18,803
Child care center, for-profit	7	12,535	8	15,047
Churches	1,551	2,379,061	1,546	2,529,364
Civil - condemnation	28	38,352	24	25,097
Credit unions	138	218,928	126	224,740
Crop shelters	32	3,165	33	3,912
Enterprise Zone	1	532	1	518
Foreign consulates	30	41,582	31	47,272

Continued on next page.

**Table 9.44-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE:  
2015 AND 2016 -- Con.**

Type of exemption	2015		2016	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
Forest reserve	5	6,651	5	6,674
Historic residential properties	302	416,005	311	472,262
Historic commercial properties	7	27,150	7	21,034
Kuleana	138	74,238	142	80,307
Hospitals	114	799,172	126	903,063
Landscaping, open-space	28	27,274	24	21,433
Low-moderate income housing	340	2,030,102	345	2,216,218
Public utilities	822	1,880,604	809	1,941,199
Roadways and waterways	7,042	39,532	7,049	41,900
Safe room	49	1,960	52	2,080
Schools	237	1,185,863	250	1,270,494
Setbacks	1	298	1	316
Slaughterhouse	1	2,583	1	2,591
Taro	55	459	52	88
Tree farm	15	24,334	16	31,042
Miscellaneous	10	2,049	10	2,242
Alternate energy	8	348,687	8	348,686
Commercial alternative energy	3	2,122	4	9,478
Commercial alter. energy - in lieu	-	-	1	1,007
Mult. bldg. pcl. income exemption	175	15,964	-	-

1/ Includes government parcels at actual value and exemptions on federal leases, if any.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, Real Property Tax Valuations, Tax Rates & Exemptions by Tax Year "State of Hawaii - Number & Amount of Exemptions by Type & County" (annual)  
<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed October 27, 2015.

**Table 9.45-- REAL PROPERTY TAX VALUATION, BY LAND USE CLASS:  
2015 AND 2016**

[In thousands of dollars. For fiscal year ending June 30. Assessed value for 2015 as of January 31, 2014 for Honolulu; February 20, 2014 for Kauai; April 19, 2014, for Maui; and April 21, 2014 for Hawaii County; and for 2016, as of January 29, 2015 for Honolulu; February 13, 2015 for Kauai; April 19, 2015, for Maui; and April 21, 2015 for Hawaii County. All counties use the land use class unless footnoted]

Land use class	Gross valuation 1/	Net valuation	Valuation for tax rate	To be raised by taxation
2015 - All classes	293,088,510	253,343,881	251,793,531	1,506,478
Affordable rental 2/	172,625	170,940	170,940	1,051
Residential	168,452,331	146,397,284	146,103,125	582,803
Residential A 3/	13,853,970	13,283,828	13,202,440	79,215
Apartment 2/ 4/	9,123,590	8,937,117	8,925,889	73,047
Commercial	22,562,609	19,872,105	19,586,724	224,094
Industrial	12,022,616	11,216,646	11,059,465	125,028
Agricultural/native forest	10,975,145	10,010,518	9,905,831	74,460
Vacant agricultural 3/	80,561	80,561	79,546	676
Conservation/preservation	1,406,709	1,290,682	1,192,077	8,460
Hotel and resort	21,074,239	21,013,838	20,517,628	223,988
Homeowner 2/ 4/	22,615,059	13,242,336	13,233,905	55,303
Homestead 5/	5,536,964	3,491,771	3,489,095	10,642
Public service 3/	820,217	-	-	-
Time share 4/	1,595,127	1,595,127	1,591,353	23,982
Commercialized resid. 4/	109,353	109,353	109,353	488
Vacation rental 5/	2,687,393	2,631,776	2,626,161	23,242
2016 - All classes	314,906,372	273,748,781	272,081,895	1,615,518
Affordable rental 2/	207,900	206,019	206,019	1,267
Residential	178,264,515	155,898,320	155,638,444	617,825
Residential A 3/	15,373,451	14,789,620	14,634,916	87,809
Apartment 2/ 4/	10,072,046	9,875,500	9,840,510	78,673
Commercial	24,359,663	21,461,926	20,999,621	236,460
Industrial	12,611,254	11,769,965	11,628,561	130,609
Agricultural/native forest	11,346,265	10,360,899	10,247,525	76,842
Vacant agricultural 3/	62,140	62,140	60,689	516
Conservation/preservation	1,460,007	1,323,646	1,236,114	8,700
Hotel and resort	22,713,274	22,646,347	22,342,228	243,997
Homeowner 2/ 4/	24,329,955	14,769,147	14,757,370	59,941
Homestead 5/	6,300,273	4,176,046	4,173,953	12,731
Public service 3/	888,389	1	1	-
Time share 4/	120,166	120,166	120,166	523
Commercialized resid. 4/	1,773,726	1,773,726	1,693,560	24,641
Vacation rental 5/	1,215,341	853,491	853,279	4,309
Vacation rental 5/	2,760,555	2,754,556	2,749,770	24,335
Residential investor 5/	1,047,454	907,267	899,168	6,339

1/ Excludes nontaxable properties.

2/ Hawaii County category.

3/ City and County of Honolulu category.

4/ Maui County category.

5/ Kauai County category.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, "Real Property Tax Valuations, Tax Rates & Exemptions Tax Year, State of Hawaii" (annual) and <<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed January 12, 2016.

**Table 9.46-- MAJOR REAL PROPERTY TAXPAYERS, FOR THE CITY  
AND COUNTY OF HONOLULU: 2012**

[For fiscal year ending June 30]

<b>Rank</b>	<b>Taxpayer</b>	<b>Original debit 1/ (dollars)</b>	<b>Land area (acres)</b>	<b>Gross assessed value 2/ (dollars)</b>
	Top 20 real property taxpayers	112,299,603	52,289.12	11,665,147,300
1	Kyo-Ya Company	12,703,336	23.64	1,007,129,300
2	Bishop Estate	12,437,203	39,967.02	1,339,214,700
3	Hilton Hawaiian Village	11,076,557	20.14	908,020,100
4	Outrigger Hotels Hawaii	7,243,937	9.22	593,277,800
5	First Hawaiian Bank	5,841,875	48.02	472,437,400
6	Ko Olina Hotel	5,609,593	407.48	449,340,300
7	Irongate	5,078,491	0.00	401,600
8	United States of America	5,050,302	7,302.72	2,837,089,800
9	DEG, LLC	4,834,423	59.67	537,956,600
10	Reynolds/Shidler	4,696,132	44.68	415,607,500
11	General Growth Properties	4,685,639	37.36	385,412,400
12	Weinberg, Harry & Jeanette Foundation, Inc.	4,613,637	1,817.53	407,263,500
13	Marriott Ownership Resorts	4,324,131	33.85	348,699,500
14	Hawaii MMGD, LLC	3,886,633	154.73	264,858,700
15	James Campbell Estate	3,855,500	2,124.48	354,719,500
16	Bank of Hawaii	3,519,072	111.36	302,667,300
17	Wal-Mart	3,394,548	73.18	273,681,700
18	W2007 WKH Owner, LLC	3,375,022	4.02	272,179,200
19	Watercress Associates	3,084,690	44.63	253,405,300
20	Halekulani Corp.	2,988,883	5.39	241,785,100

1/ Original debit as of July, 2011.

2/ Land and improvements. Assessed valuation as of October 1, 2010. Valuation at 100 percent of market value.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, Administration & Technical Branch, records.

**Table 9.47-- RESIDENTIAL PROPERTY TAX RATES IN HONOLULU AND THE MEDIAN OF 51 MAJOR CITIES: 1985 TO 2014**

Year	Effective tax rate per \$100 1/			Nominal tax rate per \$100	Assessment level (percent)
	Median 2/	Honolulu	Rank 3/		
1985	(NA)	0.61	50	1.06	61.2
1986	(NA)	0.60	51	0.66	90.8
1987	(NA)	0.59	51	0.66	89.0
1988	(NA)	0.59	51	0.66	89.0
1989	(NA)	0.64	48	0.64	100.0
1990	(NA)	0.48	51	0.48	100.0
1991	(NA)	0.37	51	0.37	100.0
1992	1.49	0.30	51	0.35	84.3
1993	(4/)	(4/)	(4/)	(4/)	(4/)
1994	1.60	0.33	51	0.35	93.4
1995	1.59	0.33	51	0.35	93.4
1996	1.54	0.33	51	0.35	95.0
1997	1.42	0.39	51	0.39	100.0
1998	1.41	0.46	51	0.46	100.0
1999	1.55	0.37	51	0.37	100.0
2000	1.52	0.37	51	0.37	100.0
2001	1.50	0.37	51	0.37	100.0
2002	1.54	0.37	51	0.37	100.0
2003	1.50	0.38	51	0.38	100.0
2004	1.54	0.38	51	0.38	100.0
2005	1.50	0.38	51	0.38	100.0
2006	1.50	0.36	51	0.36	100.0
2007	1.39	0.33	51	0.33	100.0
2008	1.32	0.33	51	0.33	100.0
2009	1.40	0.34	51	0.34	100.0
2010	1.67	0.34	51	0.34	100.0
2011	1.71	0.35	51	0.35	100.0
2012	1.56	0.35	50	0.35	100.0
2013	1.40	0.35	48	0.35	100.0
2014	1.40	0.35	50	0.35	100.0

NA Not available.

1/ Adjusted to 100-percent assessment level.

2/ Largest city in each state, and the District of Columbia. For the listing of cities, see source.

3/ The lower the rank, the higher the percentage of income paid in taxes. For a breakdown of taxes, see source.

4/ Both *Statistical Abstract 1994* and *1995* contained data for 1992 and none contained 1993 data.

Source: U. S. Census Bureau, *Statistical Abstract of the United States* (annual); and Government of the District of Columbia, Office of the Chief Financial Officer, *Tax Rates and Tax Burdens in the District of Columbia - A Nationwide Comparison* (annual) and <<http://cfo.dc.gov/node/215912>> accessed December 17, 2015.

**Table 9.48-- REAL PROPERTY TAX RATES, BY COUNTY: 2016**

[In dollars per \$1,000 net taxable value. As of June 23, 2015. For fiscal year ending June 30]

<b>Class</b>	<b>Honolulu</b>	<b>Kauai</b>
Property 1/		
Residential	3.50	6.05
Vacation rental	(X)	8.85
Commercial	12.40	8.10
Industrial	12.40	8.10
Agricultural 2/	5.70	6.75
Preservation	5.70	(X)
Conservation	(X)	6.75
Hotel and resort	12.90	10.85
Public service	0.00	(X)
Vacant agricultural	8.50	(X)
Homestead	(X)	3.05
Residential A	6.00	(X)
Residential investor	(X)	7.05
Commercialized home use	(X)	5.05
<b>Class</b>	<b>Maui</b>	<b>Hawaii</b>
Building and land		
Residential	5.40	10.05
Apartment	6.00	10.85
Commercial	6.60	10.05
Industrial	6.85	10.05
Agricultural 2/	5.75	9.25
Conservation	5.90	10.85
Hotel and resort	8.85	10.85
Homestead	(X)	(X)
Homeowner	2.75	6.15
Time share	14.55	(X)
Commercialized residential	4.35	(X)
Affordable rental housing	(X)	6.15

X Not applicable.

1/ As of 2005, the City and County of Honolulu consolidated the 'Land' and 'Improvement' into the single rate for 'Property' value for each class, and Kauai consolidated classes as of July 1, 2014.

2/ 'Agricultural or Native Forests' in County of Hawaii.

Source: City and County of Honolulu, Department of Budget &amp; Fiscal Services, Real Property Assessment Division, Real Property Tax Valuations, Tax Rates, &amp; Exemptions by Year, "Real Property Tax Rates in Hawaii Fiscal Year July 1, 2015 to June 30, 2016"

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed October 27, 2015.

**Table 9.49-- FEDERAL EXPENDITURES IN HAWAII: 1983 TO 2010**

[For fiscal years ending September 30. In thousands of dollars and percent]

Year	Total direct expenditures or obligations	Percent change from previous year	Year	Total direct expenditures or obligations	Percent change from previous year
1983	4,013,543	(NA)	1997	8,159,285	2.1
1984	4,140,182	3.2	1998	8,449,229	3.6
1985	4,575,478	10.5	1999	8,659,684	2.5
1986	4,646,930	1.6	2000	9,036,388	4.4
1987	4,811,882	3.5	2001	9,728,839	7.7
1988	5,064,944	5.3	2002	10,474,798	7.7
1989	5,570,896	10.0	2003	11,269,306	7.6
1990	5,633,927	1.1	2004	12,176,350	8.0
1991	6,198,142	10.0	2005	12,699,321	4.3
1992	6,636,322	7.1	2006	13,495,147	6.3
1993	7,283,475	9.8	2007	14,061,883	4.2
1994	7,643,718	4.9	2008	15,009,273	6.7
1995	7,449,512	-2.5	2009	18,985,405	26.5
1996	7,990,275	7.3	2010	20,855,223	9.8

NA Not available.

Source: U.S. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year, State and County Areas* (annual); Ibid. On-Line Query System (1993-2010) <<http://www.census.gov/govs/cffr/index.html>> accessed July 13, 2011; and Ibid. Governments Division unpublished tabulation (January 11, 2005).

**Table 9.50-- FEDERAL EXPENDITURES IN HAWAII, BY TYPE: 1983 TO 2010**

[In millions of dollars. For fiscal year ending September 30]

Year	Total direct expenditures or obligations	Retirement & disability payments for individuals	Other direct payments for individuals	Direct payments for other than individuals	Grants - block, formula, project, & cooperative agreements	Procurement contracts	Salaries & wages
1983	4,013.5	961.2	291.8	14.9	475.1	534.5	1,735.9
1984	4,140.2	1,023.4	297.9	49.9	383.0	577.4	1,808.6
1985	4,575.5	1,108.1	336.1	48.4	468.0	672.4	1,942.4
1986	4,646.9	1,175.2	342.0	49.4	500.7	619.0	1,960.7
1987	4,811.9	1,260.0	357.5	55.8	540.6	525.0	2,073.1
1988	5,064.9	1,346.9	368.2	67.7	613.3	591.2	2,077.7
1989	5,570.9	1,453.3	431.1	70.1	707.3	624.3	2,284.9
1990	5,633.9	1,538.1	520.7	79.1	783.0	547.3	2,165.8
1991	6,198.1	1,660.2	589.8	83.2	786.2	760.9	2,317.9
1992	6,636.3	1,735.5	772.7	90.2	974.5	694.9	2,368.6
1993	7,283.5	1,842.6	825.3	130.9	1,357.2	742.5	2,385.0
1994	7,643.7	1,970.5	852.0	122.5	1,295.0	905.4	2,498.3
1995	7,449.5	2,043.3	1,069.2	57.4	1,192.1	777.3	2,310.2
1996	7,990.3	2,138.5	1,099.1	101.3	1,215.4	1,027.4	2,408.6
1997	8,159.3	2,261.9	1,127.6	105.8	1,256.1	1,077.3	2,330.5
1998	8,449.2	2,348.4	1,078.8	101.9	1,310.3	1,052.6	2,557.2
1999	8,659.7	2,430.5	1,077.7	122.4	1,451.7	1,141.4	2,436.1
2000	9,036.4	2,582.9	1,069.7	128.5	1,532.5	1,293.8	2,429.0
2001	9,728.8	2,798.7	1,132.5	142.1	1,663.7	1,466.9	2,525.0
2002	10,474.8	2,899.3	1,305.6	129.1	1,836.1	1,621.2	2,683.5
2003	11,269.3	3,014.1	1,344.9	157.3	1,911.0	1,978.4	2,863.7
2004	12,176.3	3,202.2	1,403.2	203.4	2,147.6	2,066.0	3,153.9
2005	12,699.3	3,318.7	1,474.1	178.1	2,167.9	2,322.3	3,238.4
2006	13,495.1	3,533.6	1,574.8	215.6	2,312.3	2,147.8	3,711.0
2007	14,061.9	3,752.4	1,590.7	321.5	2,452.4	2,327.7	3,617.3
2008	15,009.3	3,872.8	1,903.1	361.7	2,282.9	2,455.9	4,132.8
2009	18,985.4	4,221.6	2,341.5	275.1	3,261.1	2,729.8	6,156.3
2010	20,855.2	4,368.4	2,462.8	356.1	3,025.6	2,744.8	7,897.6

Source: U.S. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year, State and County Areas* (annual); Ibid. On-Line Query System (1993-2010) <<http://www.census.gov/govs/cffr/index.html>> accessed September 27, 2011; and Ibid. Governments Division unpublished tabulation (January 11, 2005).

**Table 9.51- PER CAPITA DIRECT FEDERAL EXPENDITURE IN THE UNITED STATES AND HAWAII, BY TYPE: 2008 TO 2010**

[For fiscal year ending September 30. Direct expenditures exclude federal assistance such as loans and insurance]

Category	United States (dollars)	Hawaii (dollars)	Hawaii as percent of U.S.	Hawaii rank 1/
Total 2008 2/	9,041.50	11,651.37	128.87	6
Retirement and disability	2,667.33	3,006.35	112.71	16
Other direct payments	2,062.78	1,758.16	85.23	34
Grants	1,868.49	1,772.16	94.84	23
Procurement	1,619.90	1,906.50	117.69	11
Salaries and wages	823.01	3,208.20	389.81	2
Department of Defense	1,574.13	4,740.92	301.18	3
All other Federal agencies	7,467.38	6,910.45	92.54	35
Total 2009 2/ 3/	10,426.50	14,658.53	140.59	(4/)
Retirement and disability	2,869.99	3,259.44	113.57	(4/)
Other direct payments	2,573.03	2,020.29	78.52	(4/)
Grants	2,314.74	2,517.91	108.78	(4/)
Procurement	1,693.48	2,107.63	124.46	(4/)
Salaries and wages	975.27	4,753.25	487.38	(4/)
Department of Defense	(4/)	6,423.57	(4/)	(4/)
All other Federal agencies	(4/)	8,234.96	(4/)	(4/)
Total 2010 2/	10,459.69	15,331.33	146.58	5
Retirement and disability	2,935.25	3,211.37	109.41	21
Other direct payments	2,633.32	2,072.20	78.69	38
Grants	2,187.11	2,224.18	101.69	23
Procurement	1,604.73	2,017.80	125.74	10
Salaries and wages	1,099.28	5,805.78	528.14	1
Department of Defense	1,772.90	7,353.81	414.79	1
All other Federal agencies	8,686.78	7,977.52	91.84	35

1/ A rank of 1 indicates the highest per capita direct federal expenditure. Rank is among the 50 states. When the District of Columbia is included, Hawaii ranking drops one place in every category.

2/ Resident population is as of July 1 for 2008 and 2009. Hawaii at 1,288,198 and 1,295,178 and the United States at 304,059,724 and 307,006,550 respectively. Population as of April 1, 2010 for Hawaii at 1,360,301 and the U.S. at 308,745,538. Hawaii had 0.4 percent of the U. S. resident population 2008-2010.

3/ Revised in *Data Book 2011* to reflect September 27, 2011 revisions to the U.S. Department of Health and Human Services data. The revisions are not represented in the PDF version of the publication, but are available via the On-Line Query System and downloads.

4/ The Census Bureau did not revise Tables 10, 12 or 14 so revised rankings are not readily available.

Source: U.S. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year, State and County Areas* (annual), tables 10, 12 and 14 and *Ibid.* On-Line Query System (1993-2010) <<http://www.census.gov/govs/cffr/index.html>> accessed June 15, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.52-- DIRECT FEDERAL EXPENDITURES OR OBLIGATIONS,  
BY COUNTY: 2010**

[In persons and thousands of dollars. For fiscal year ending September 30]

Category	State Total	City and County of Honolulu	Hawaii County	Maui County 1/	Kauai County	State undistributed
Resident population (as of July 1, 2010)	1,360,301	953,207	185,079	154,924	67,091	-
Total direct exp. or oblig.	20,855,223	17,392,945	1,258,859	772,374	523,662	907,383
Retirement/disability payments for individuals	4,368,434	3,218,457	581,408	374,912	193,579	78
Other direct payments for individuals	2,462,760	1,397,696	275,855	171,635	97,334	520,241
Direct payments other than for individuals	356,058	122,600	6,859	6,868	1,554	218,176
Grants (block, formula, project, & cooperative agreements)	3,025,551	2,409,312	242,374	129,200	77,935	166,731
Procurement contracts	2,744,816	2,568,145	47,551	22,960	106,161	-
Salaries and wages	7,897,604	7,676,736	104,812	66,800	47,099	2,157
Exhibit: Total direct expenditures or obligations	20,855,223	17,392,945	1,258,859	772,374	523,662	907,383
Defense	9,994,953	9,735,818	90,543	33,615	132,821	2,157
Non-defense	10,860,270	7,657,128	1,168,316	738,759	390,841	905,226
Addendum: Other federal assistance	13,444,838	8,484,937	1,078,552	2,619,264	1,095,133	166,952
Direct loans	200,495	121,044	27,774	44,850	3,827	3,000
Guaranteed/insured loans	1,370,455	904,052	128,339	154,021	144,775	39,268
Insurance	11,873,888	7,459,840	922,440	2,420,392	946,531	124,684

1/ Includes Kalawao County.

Source: U.S. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year 2010, State and County Areas* (September 2011) <<http://www.census.gov/govs/cffr/>> and On-Line Query System <<http://harvester.census.gov/cffr/>> accessed September 23, 2011.

**Table 9.53-- FEDERAL SPENDING FOR THE UNITED STATES AND HAWAII,  
TOTAL AND PER CAPITA, BY TYPE: 2014**

[For fiscal year ending September 30. See also <[http://www.pewtrusts.org/~media/Assets/2014/12/Federal\\_Spending\\_in\\_the\\_States\\_methodology\\_web\\_final.pdf?la=en](http://www.pewtrusts.org/~media/Assets/2014/12/Federal_Spending_in_the_States_methodology_web_final.pdf?la=en)>]

<b>Category</b>	<b>United States</b>	<b>Hawaii</b>	<b>Hawaii as percent of U.S.</b>
Total (in millions of dollars)	3,252,754	19,944	0.6
Salaries and wages	305,243	5,783	1.9
Contracts	355,761	2,208	0.6
Grants	588,587	2,889	0.5
Nonretirement benefits	895,415	3,503	0.4
Retirement benefits	1,107,748	5,561	0.5
Federal spending relative to			
Gross Domestic Product (in percent)	19.1	26.4	138.3
Salaries and wages	1.8	7.6	427.2
Contracts	2.1	2.9	139.9
Grants	3.4	3.8	110.7
Nonretirement benefits	5.2	4.6	88.2
Retirement benefits	6.5	7.3	113.2
Per capita (in dollars)	10,200	14,043	137.7
Salaries and wages	957	4,072	425.4
Contracts	1,116	1,555	139.4
Grants	1,846	2,034	110.2
Nonretirement benefits	2,808	2,467	87.8
Retirement benefits	3,474	3,916	112.7

Source: The Pew Charitable Trusts, "Federal Spending in the States, 2005 to 2014" (March 3, 2016) <<http://www.pewtrusts.org/en/research-and-analysis/issue-briefs/2016/03/federal-spending-in-the-states-2005-to-2014>> accessed March 3, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.54-- RECIPIENT REPORTED AWARDS OF THE AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) OF 2009, FOR EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2009-2013**

[Cumulative data for awards and funds for February 17, 2009 to December 31, 2013 and for jobs October 1 to December 31, 2013 only. U.S. Census Bureau per capita data are as of July 1, 2010. In January 2014, Congress repealed the quarterly reporting requirement for recipients. All the recipient data was updated for the last time on May 1, 2014]

State/territory	Number of awards	Total funds awarded (\$1,000)	Funds awarded per capita	Total funds received (\$1,000)	Local amount (\$1,000)	Recipient reported jobs
Total of the 50 states & D.C.	277,461	271,025,053	60,079	242,684,440	270,994,437	59,849.98
Hawaii	1,281	1,434,958	1,104	1,273,426	1,452,661	726.89
Hawaii as % of total	0.5	0.5	1.8	0.5	0.5	1.2
Alabama	3,689	3,608,061	763	3,370,826	3,468,107	369.88
Alaska	3,348	2,313,871	3,264	2,055,099	2,318,989	328.40
Arizona	6,786	7,682,058	1,151	7,253,967	7,702,033	1,236.99
Arkansas	3,390	2,335,194	802	2,134,987	2,345,711	455.63
California	22,593	34,552,077	927	29,460,018	33,623,137	7,239.00
Colorado	4,842	5,614,993	1,102	4,790,282	5,682,486	4,441.42
Connecticut	3,214	2,531,886	718	2,376,273	2,517,266	237.81
Delaware	931	941,594	1,056	839,990	958,813	219.09
District of Columbia	2,730	5,976,936	9,789	4,907,042	5,580,550	1,538.86
Florida	9,148	11,023,983	590	10,063,849	11,339,575	3,659.03
Georgia	6,635	7,000,262	707	6,150,322	6,929,785	1,052.21
<b>Hawaii</b>	<b>1,281</b>	<b>1,434,958</b>	<b>1,104</b>	<b>1,273,426</b>	<b>1,452,661</b>	<b>726.89</b>
Idaho	2,279	1,699,828	1,090	1,632,463	1,740,900	218.01
Illinois	9,811	11,987,949	926	9,446,008	11,913,927	2,485.45
Indiana	4,877	4,496,611	698	4,217,812	4,437,005	544.03
Iowa	3,368	2,266,918	750	2,043,123	2,212,072	186.67
Kansas	3,208	2,320,457	817	2,097,105	2,362,115	151.57
Kentucky	4,033	3,573,839	824	3,278,380	3,605,339	1,229.80
Louisiana	3,210	3,307,791	730	3,027,881	3,326,891	735.35
Maine	2,285	1,452,393	1,106	1,408,756	1,508,109	143.88
Maryland	6,266	6,995,065	1,219	6,117,206	7,726,103	2,115.91
Massachusetts	8,458	7,619,533	1,149	6,767,731	7,778,124	1,653.02
Michigan	8,448	8,648,309	871	7,880,583	8,840,261	1,864.73
Minnesota	5,436	3,999,127	756	3,821,466	4,083,535	331.81
Mississippi	3,327	2,714,966	917	2,405,414	2,706,858	278.59
Missouri	6,243	4,931,750	820	4,661,760	4,942,597	718.51
Montana	2,911	1,522,681	1,554	1,390,035	1,522,488	421.09
Nebraska	2,545	1,332,925	736	1,285,001	1,352,120	190.79
Nevada	1,392	2,898,793	1,092	2,550,375	2,895,996	2,764.47
New Hampshire	1,460	978,083	739	916,371	991,045	130.35
New Jersey	5,357	5,438,389	623	5,003,149	5,511,653	1,015.45

Continued on next page.

**Table 9.54-- RECIPIENT REPORTED AWARDS OF THE AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) OF 2009, FOR EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2009-2013 -- Con.**

State/territory	Number of awards	Total funds awarded (\$1,000)	Funds awarded per capita	Total funds received (\$1,000)	Local amount (\$1,000)	Recipient reported jobs
New Mexico	3,606	2,718,625	1,337	2,562,742	2,692,055	690.74
New York	18,386	17,160,343	877	15,365,955	17,105,548	2,849.12
North Carolina	6,565	7,612,259	805	6,500,343	7,647,251	2,368.18
North Dakota	2,273	1,095,491	1,676	998,883	1,063,755	396.66
Ohio	9,476	8,751,796	759	8,070,775	8,676,196	2,444.99
Oklahoma	5,972	3,023,690	812	2,847,911	3,030,603	835.15
Oregon	5,066	3,246,874	842	3,105,497	3,310,119	574.53
Pennsylvania	8,415	9,301,835	736	8,724,121	9,318,904	1,180.08
Rhode Island	1,170	1,218,625	1,153	1,074,368	1,096,838	409.49
South Carolina	4,544	4,656,401	1,013	4,436,161	4,620,238	486.72
South Dakota	2,324	1,350,973	1,647	1,294,530	1,429,931	119.26
Tennessee	7,877	5,949,266	939	5,416,772	5,905,513	1,027.85
Texas	16,129	17,169,673	681	15,603,072	17,309,951	4,231.46
Utah	2,570	2,204,644	779	2,108,947	2,223,561	192.47
Vermont	2,434	1,041,248	1,673	916,693	1,048,257	170.91
Virginia	6,483	6,417,626	807	5,756,599	6,558,261	1,054.50
Washington	10,113	8,401,486	1,245	7,309,671	8,120,801	1,394.41
West Virginia	2,324	1,804,683	989	1,667,582	1,746,548	363.69
Wisconsin	6,963	4,037,047	712	3,674,634	4,051,690	356.05
Wyoming	1,270	661,188	1,207	622,484	662,169	19.03
Addendum:						
Total	279,459	274,704,879	(NA)	245,960,267	274,767,018	63,565.00
Total of the 50 states & D.C.	279,459	274,704,879	60,794	245,960,267	274,767,018	63,565.29
Territories	277,461	271,025,053	60,079	242,684,440	270,994,437	59,849.98
Not assigned	1,716	3,626,509	715	3,223,772	3,645,724	3,711.76
	282	53,316	(NA)	52,054	126,857	3.55

NA Not available.

Source: Recovery Accountability and Transparency Board, "Recipient Reported Data, State/Territory Totals by Agency" (Updated May 1, 2014)

<<http://www.recovery.gov/arra/Transparency/RecoveryData/Pages/RecipientDataStateTotalsByAgency.aspx>> accessed June 4, 2014.

**Table 9.55-- RECIPIENT REPORTED AWARDS OF THE AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) OF 2009, FOR HAWAII AND THE UNITED STATES: 2009-2013**

[Cumulative data for awards and funds for February 17, 2009 to December 31, 2013 and for jobs October 1 to December 31, 2013 only. U.S. Census Bureau per capita data are as of July 1, 2010. In January 2014, Congress repealed the quarterly reporting requirement for recipients. All the recipient data was updated for the last time on May 1, 2014]

U.S. department or agency	Number of awards	Total funds awarded (\$1,000)	Funds awarded per capita	Total funds received (\$1,000)	Local amount (\$1,000)	Recipient reported jobs
Total of the 50 states & D.C.	277,461	271,025,053	60,079	242,684,440	270,994,437	59,849.98
Hawaii	1,281	1,434,958	1,104	1,273,426	1,452,661	726.89
Army Corps of Engineers	2	700	1	700	882	-
Agriculture	19	47,920	37	16,214	48,019	104.41
Commerce	39	55,578	43	53,362	53,346	85.53
Defense (exc. mil. depts)	19	9,925	8	9,897	9,925	-
Air Force	111	60,771	47	46,759	60,355	39.32
Army	258	82,556	64	69,391	73,143	10.92
Navy	73	92,104	71	91,891	92,650	-
Education	31	359,807	277	335,058	359,807	164.85
Energy	48	67,484	52	60,346	66,172	15.38
Health & Human Serv.	164	87,786	68	83,518	92,832	16.02
Homeland Security	16	42,814	33	36,231	42,886	69.42
Housing & Urban Dev.	36	46,580	36	46,537	46,580	-
Interior	106	23,738	18	23,437	23,634	-
Justice	74	20,278	16	19,143	20,861	7.70
Labor	41	19,759	15	19,644	19,759	-
Transportation	54	214,035	165	205,181	214,103	108.00
Veterans Affairs	6	1,159	1	1,155	1,159	-
Envir. Prot. Agency (EPA)	25	53,278	41	53,138	53,278	1.40
Gen. Serv. Admin.	94	111,801	86	65,210	122,921	103.94
Nat'l Foundation on the Arts and the Humanities	4	393	-	343	419	-
Nat'l Science Foundation	56	35,205	27	35,145	48,642	-
Other indep. agencies	5	1,288	1	1,127	1,288	-

Source: Recovery Accountability and Transparency Board, "Recipient Reported Data, State/Territory Totals by Agency" (Updated May 1, 2014)  
<http://www.recovery.gov/arra/Transparency/RecoveryData/Pages/RecipientDataStateTotalsByAgency.aspx>  
 accessed June 4, 2014.

**Table 9.56-- FEDERAL AID TO STATE AND LOCAL GOVERNMENT, BY SELECTED AGENCY AND PROGRAM FOR HAWAII AND THE UNITED STATES: 2009 AND 2010**

[In thousands of dollars. For fiscal year ending September 30. All amounts represent actual expenditures of the federal government during the indicated fiscal year. Components may not sum to total as some of the smaller programs, as well as some of those with United States but no Hawaii expenditures, are not shown individually. Some components summed to subtotals]

Area	Hawaii		United States	
	2009	2010	2009	2010
Total	2,560,081	2,519,624	552,108,118	630,169,769
Department of Agriculture	124,030	125,369	30,774,582	32,793,230
Agricultural Marketing Service	3,813	4,876	1,278,689	1,677,321
Farm Service Agency	228	274	10,329	10,345
Food Safety & Inspection Service	-	-	51,320	47,490
Food & Nutrition Service	102,566	97,832	26,984,219	28,606,161
Forest Service	1,987	2,689	603,363	752,160
National Resources Conservation Service	1,638	3,392	173,898	163,145
Rural development activities	1,921	3,679	540,937	758,791
Department of Commerce	6,589	6,840	524,135	622,521
National Oceanic and Atmospheric Admin.	1,322	3,157	228,986	203,663
Corporation for National and Community Service	1,102	889	197,438	226,544
Corporation for Public Broadcasting	-	-	154,828	164,629
Department of Defense	-167	-	674,036	651,494
U.S. Army National Guard - construction	-167	-	663,792	640,603
Department of Education	279,629	318,986	45,168,154	73,209,088
Office of English Language Acquisition	2,719	2,369	665,484	676,470
Office of Special Educ. Research & Improvement	2,929	3,789	442,452	674,869
Office of Special Educ. & Rehabilitative Services	84,497	60,429	12,535,554	19,748,605
Office of Vocational and Adult Education	9,732	8,536	1,545,060	1,784,669
Office of Elementary and Secondary Education	151,911	212,094	27,504,980	47,159,446
Impact aid	63,208	38,057	1,183,498	1,135,862
Programs for American Indians, Alaska				
Natives and Native Hawaiians	14,320	14,111	128,042	132,970
No Child Left Behind Act	21,475	26,288	4,794,495	5,013,719
Title 1 programs	47,982	52,596	12,452,283	18,110,464
Other	1,494	76,933	7,751,070	21,521,221
Office of Postsecondary Education	22,638	26,317	1,332,734	1,645,800
Office of Student Financial Assistance	5,203	5,452	1,141,890	1,519,229
Election Assistance Commission	-	1,075	83,915	91,414
Department of Energy	3,563	11,814	1,044,228	3,527,222
Environmental Protection Agency	27,764	49,229	3,685,307	6,914,563
Equal Employment Opportunity Commission	115	165	31,283	27,674
Department of Health and Human Services	1,355,067	1,311,727	324,765,262	348,197,405
Administration for Children and Families	261,470	276,540	51,079,406	55,815,058
Administration on Aging	8,070	9,013	1,425,912	1,488,831
Centers for Disease Control & Prevention	-	16,366	1,415,149	2,268,365
Centers for Medicare and Medicaid Services	1,015,064	932,948	256,123,741	278,041,173
Health Resources and Services Administration	49,965	56,257	6,304,790	7,315,978
Substance Abuse & Mental Health Services Admin.	20,019	20,501	3,054,665	3,117,395

Continued on next page.

**Table 9.56-- FEDERAL AID TO STATE AND LOCAL GOVERNMENT, BY SELECTED AGENCY AND PROGRAM FOR HAWAII AND THE UNITED STATES: 2009 AND 2010 -- Con.**

Area	Hawaii		United States	
	2009	2010	2009	2010
Department of Homeland Security	97,926	121,871	17,954,886	19,836,875
Coast Guard	478	1,220	124,227	132,603
Domestic preparedness & anti-terrorism prog.	90,708	116,357	11,645,600	14,732,653
Federal Emergency Management Agency	6,740	4,294	6,185,059	4,791,619
Department of Housing and Urban Development	210,903	238,759	47,065,091	55,271,896
Fair housing and equal opportunity	384	345	110,958	117,830
Community planning and development	28,002	34,177	8,153,253	9,453,322
Housing programs	182,517	204,237	38,800,880	45,700,744
College housing	828	-	53,132	2,749
Housing opportunities for persons with AIDS	1,356	1,576	317,122	294,269
Native American block grant	3,957	-2,870	827,042	1,044,397
Housing for special populations	10,717	6,302	979,217	960,294
Public housing programs	154,708	188,158	33,657,756	39,422,213
Home ownership assistance	10,902	10,515	1,983,007	2,927,515
Other	49	556	983,604	1,049,307
Department of the Interior	21,301	22,022	5,904,953	6,140,676
Fish and Wildlife Service	8,314	7,862	907,990	959,517
National Park Service	1,082	829	131,189	98,169
Office of Insular Affairs	11,581	13,005	432,410	458,816
Department of Justice	22,793	14,119	3,894,654	3,845,099
Office of Asset Forfeiture	1,113	724	397,931	389,249
Office of Justice Programs	21,680	13,395	3,468,360	3,441,208
Crime victims programs	2,946	2,594	575,941	597,954
Education, research and statistics programs	269	598	127,260	110,330
Juvenile justice programs	1,349	1,228	306,560	296,339
Law Enforcement Assistance	1,192	2,485	335,288	387,916
Community oriented policing prog. (COPS)	-	-	1,125	72
Violence against women and children	564	1,616	130,343	128,751
Weed and seed	271	162	36,919	28,797
Substance abuse programs	10,540	211	1,194,038	823,008
Department of Labor	48,312	47,808	9,827,625	11,361,543
Bureau of Labor Statistics	684	733	88,528	90,110
Employment and Training Admin.	43,700	45,123	9,334,312	10,943,584
Occupational Health and Safety Admin.	3,092	1,392	235,876	155,554
Veterans Employment & Training Admin.	836	560	159,564	162,276
National Foundation on Arts & Humanities	3,730	4,385	306,740	322,715
Neighborhood Reinvestment Corporation	741	1,422	277,492	229,410
Department of Transportation	354,690	239,190	57,048,476	63,882,491
Federal Aviation Administration	78,842	32,954	3,808,316	4,015,462
Federal Highway Administration	219,301	168,771	39,788,002	43,804,373
Federal Transit Administration	53,932	34,810	11,297,997	13,041,289
Department of the Treasury	438	799	575,479	516,743
Department of Veterans Affairs	1,448	3,150	824,892	978,121

Source: U.S. Bureau of the Census, *Federal Aid to States for Fiscal Year: 2009* (August 2010), table 1 <<http://www.census.gov/prod/2010pubs/fas-09.pdf>> accessed August 31, 2010; and *Ibid. 2010* (September 2010), table 1 <<http://www.census.gov/prod/2011pubs/fas-10.pdf>> accessed September 23, 2011.

**Table 9.57-- FEDERAL PROCUREMENT BY AGENCY: 2007**

[In thousands of dollars. For fiscal year ending September 30. Per capita calculations were based on an April 1, 2000 Census count of Hawai resident population of 1,211,537. Rank of 1 indicates highest procurement. In FY 2007, Hawaii procurement by place of performance was \$2,296,763,633. Per capita procurement was \$1,895.74, giving Hawaii a rank of 11 in FY 2007 and a rank of 12 in FY 2006]

Area	Total	Civilian agencies		Department of Defense	
		Small dis-advantaged business	Other	Small dis-advantaged business	Other
Total	2,272,369	41,345	100,708	409,220	1,721,097
Honolulu City & County	2,080,721	35,430	84,206	388,792	1,572,294
Hawaii County	27,848	4,419	5,528	12,735	5,167
Kauai County	144,023	777	7,295	6,112	129,839
Maui County	18,533	31	3,124	1,580	13,798
Kalawao County	1,244	689	556	-	-
<b>Top five agencies with place of performance in Hawaii</b>	<b>Amount</b>	<b>Top five contracting offices located in Hawaii</b>			<b>Amount</b>
Department of Defense	2,131,877	NavFac Engineering Command Hawaii			272,314
General Services Admin.	45,748	XU W2SN EnDIST Honolulu			245,053
Department of the Interior	36,090	FA5215 15 CONS LGC			211,021
Dept. of Homeland Security	28,192	U.S. Army W6QL ECC RCO Hawaii			206,259
Dept. of Veterans Affairs	19,910	NavFac Engineering Command Hawaii			194,704
<b>Type of selected product or service</b>	<b>Total</b>	<b>Small business</b>	<b>Other than small bus.</b>	<b>State, local &amp; tribal gov't</b>	<b>Non-profit JWOD &amp; other</b>
Total	2,294,574	861,008	1,355,700	5,326	72,540
Construction	763,105	225,195	535,372	5	2,533
Research and development	99,721	43,052	19,515	1,106	36,048
Services	1,029,386	421,294	572,133	4,159	31,800
Supplies and equipment	402,362	171,467	228,680	56	2,159

Source: GCE Global Computer Enterprises, Inc., Federal Procurement Data System - NG (New Generation), *Federal Procurement Report FY 2007, Section II, Geographic Views* <[http://www.fpdnsg.com/fpr\\_reports\\_fy\\_07.html](http://www.fpdnsg.com/fpr_reports_fy_07.html)> accessed October 12, 2009.

**Table 9.58-- FEDERAL GOVERNMENT PROCUREMENT CONTRACT  
PRIME AND SUB AWARDS: 2008 TO 2015 AND TOP 10  
RECIPIENTS: 2015**

[In thousands of dollars and number. Fiscal year ending September 30. For discussion of the USA Spending.gov mandates, data sources and quality, and reporting requirements, see <<https://www.usaspending.gov/Pages/default.aspx>>]

Year	Prime awards 1/		Subawards 2/	
	Amount	Number	Amount	Number
2008	2,487,387	24,662	(NA)	(NA)
2009	2,660,773	18,789	(NA)	(NA)
2010	2,705,190	19,784	4,183	8
2011	3,113,299	19,082	161,681	207
2012	2,822,869	17,871	705,115	387
2013	1,903,136	15,377	562,584	645
2014	2,429,618	15,923	3,279,275	1,650
2015	1,979,664	28,697	355,124	532

Rank and type	Recipient	Amount
Prime		
1	BAE Systems Hawaii Shipyards Inc.	134,439
2	Hensel Phelps Construction Co.	107,152
3	Hawaii Independent Energy, LLC	101,843
4	Raytheon Technical Services Co. Limited Liability Co. (5772)	70,472
5	Watts Constructors, LLC	64,006
6	Insight Pacific, LLC	54,415
7	Nan, Inc.	50,208
8	Manu Kai, LLC	49,505
9	Oceaneering International, Inc.	29,940
10	University of Hawaii Systems	28,341
Sub-awardees		
1	Bowman Connectivity Solutions, Inc.	78,092
2	Mechanical Enterprises, Inc.	46,540
3	HMS Construction Inc.	30,678
4	SAK Veteran Pacific Inc	26,231
5	Blue Mountain Mechanical Inc	25,821
6	ALCAL Specialty Contracting, Inc.	17,632
7	Pioneer Contracting Company, Limited	14,998
8	Economy Plumbing & Sheet Metal Inc.	7,400
9	Otis Elevator Company	6,447
10	Pacific Power Electrical Contracting LLC	5,422

Continued on next page.

**Table 9.58-- FEDERAL GOVERNMENT PROCUREMENT CONTRACT  
PRIME AND SUB AWARDS: 2008 TO 2015 AND TOP 10  
RECIPIENTS: 2015 -- Con.**

NA Not available.

1/ All the prime recipient transaction data on USAspending.gov is reported by the federal agencies making contract awards more than \$3,000.

2/ As of October 1, 2010 (FY11), first-tier sub-recipient contract transaction data are required to be reported by the prime recipients for contract transactions of more than \$25,000.

Source: USA Spending, "State Summary, Contracts Data: Hawaii (annual)"  
<<https://www.usaspending.gov/Pages/Default.aspx>> accessed July 26, 2016.

**Table 9.59- ADJUSTED FEDERAL EXPENDITURES PER DOLLAR OF TAXES, BY STATE AND THE DISTRICT OF COLUMBIA: 1995 AND 2005**

[Expenditures calculated by Tax Foundation based on federal expenditure data from the U.S. Bureau of the Census. Federal tax revenue is derived from the individual income tax, social insurance taxes (Social Security and Medicare), corporate income tax, excise taxes (on beer, wine, tobacco, gasoline and other products), and estate and gift taxes, customs duties and an adjustment for the federal deficit. Rank of 1 indicates highest expenditure per tax dollar. For fiscal year ending September 30]

Area	Expenditures per dollar of taxes			Ranking	
	1995	2005	10-year change in spending per dollar of tax	1995	2005
Alabama	1.31	1.66	0.35	8	7
Alaska	1.21	1.84	0.63	17	3
Arizona	1.13	1.19	0.06	21	21
Arkansas	1.22	1.41	0.19	16	14
California	0.94	0.78	-0.16	38	43
Colorado	0.95	0.81	-0.14	34	41
Connecticut	0.68	0.69	0.01	50	48
Delaware	0.85	0.77	-0.08	41	44
District of Columbia	5.39	5.55	0.16	(X)	(X)
Florida	1.07	0.97	-0.10	24	34
Georgia	0.96	1.01	0.05	33	32
<b>Hawaii</b>	<b>1.26</b>	<b>1.44</b>	<b>0.18</b>	<b>15</b>	<b>12</b>
Idaho	1.14	1.21	0.07	20	20
Illinois	0.74	0.75	0.01	47	45
Indiana	0.84	1.05	0.21	42	30
Iowa	1.06	1.10	0.04	26	24
Kansas	1.05	1.12	0.07	27	22
Kentucky	1.28	1.51	0.23	13	9
Louisiana	1.35	1.78	0.43	7	4
Maine	1.30	1.41	0.11	9	13
Maryland	1.27	1.30	0.03	14	18
Massachusetts	0.92	0.82	-0.10	39	40
Michigan	0.77	0.92	0.15	45	37
Minnesota	0.78	0.72	-0.06	44	46
Mississippi	1.54	2.02	0.48	3	2
Missouri	1.29	1.32	0.03	12	17
Montana	1.46	1.47	0.01	6	11
Nebraska	1.01	1.10	0.09	30	25
Nevada	0.73	0.65	-0.08	48	49
New Hampshire	0.75	0.71	-0.04	46	47
New Jersey	0.68	0.61	-0.07	49	50
New Mexico	1.85	2.03	0.18	1	1

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**Table 9.59-- ADJUSTED FEDERAL EXPENDITURES PER DOLLAR OF TAXES, BY STATE AND THE DISTRICT OF COLUMBIA: 1995 AND 2005 -- Con.**

Area	Expenditures per dollar of taxes			Ranking	
	1995	2005	10-year change in spending per dollar of tax	1995	2005
New York	0.87	0.79	-0.08	40	42
North Carolina	0.95	1.08	0.13	36	27
North Dakota	1.47	1.68	0.21	5	6
Ohio	0.97	1.05	0.08	32	31
Oklahoma	1.30	1.36	0.06	11	15
Oregon	0.95	0.93	-0.02	35	36
Pennsylvania	1.05	1.07	0.02	28	28
Rhode Island	1.14	1.00	-0.14	19	33
South Carolina	1.20	1.35	0.15	18	16
South Dakota	1.30	1.53	0.23	10	8
Tennessee	1.07	1.27	0.20	25	19
Texas	0.95	0.94	-0.01	37	35
Utah	1.08	1.07	-0.01	22	29
Vermont	1.03	1.08	0.05	29	26
Virginia	1.51	1.51	0.00	4	10
Washington	0.97	0.88	-0.09	31	38
West Virginia	1.59	1.76	0.17	2	5
Wisconsin	0.80	0.86	0.06	43	39
Wyoming	1.08	1.11	0.03	23	23

X Not applicable.

Source: Tax Foundation, "Federal Taxes Paid vs. Federal Spending Received by State, 1981-2005" (October 19, 2007) <<http://www.taxfoundation.org/publications/show/22685.html>> accessed October 22, 2007.

**Table 9.60-- ADJUSTED FEDERAL EXPENDITURES PER DOLLAR  
OF TAXES: 1995 TO 2005**

[For fiscal year ending September 30]

State	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	1.31	1.33	1.37	1.39	1.43	1.50	1.54	1.58	1.65	1.67	1.66
Alaska	1.21	1.27	1.34	1.36	1.48	1.57	1.57	1.74	1.79	1.84	1.84
Arizona	1.13	1.11	1.08	1.10	1.16	1.17	1.14	1.20	1.22	1.23	1.19
Arkansas	1.22	1.24	1.29	1.31	1.33	1.39	1.46	1.51	1.43	1.45	1.41
California	0.94	0.93	0.92	0.90	0.87	0.81	0.82	0.82	0.79	0.80	0.78
Colorado	0.95	0.96	0.91	0.91	0.88	0.84	0.82	0.80	0.84	0.83	0.81
Connecticut	0.68	0.69	0.67	0.70	0.70	0.66	0.67	0.67	0.69	0.70	0.69
Delaware	0.85	0.85	0.84	0.85	0.89	0.88	0.85	0.83	0.79	0.77	0.77
Dist. of Col.	5.39	5.38	5.18	5.05	5.25	4.90	5.28	5.74	6.18	6.28	5.55
Florida	1.07	1.08	1.07	1.05	1.06	1.08	1.04	0.99	1.00	0.96	0.97
Georgia	0.96	0.97	0.97	0.97	0.98	1.00	1.02	1.02	0.98	0.98	1.01
<b>Hawaii</b>	<b>1.26</b>	<b>1.38</b>	<b>1.41</b>	<b>1.47</b>	<b>1.48</b>	<b>1.46</b>	<b>1.49</b>	<b>1.50</b>	<b>1.49</b>	<b>1.51</b>	<b>1.44</b>
Idaho	1.14	1.15	1.16	1.22	1.19	1.22	1.25	1.32	1.28	1.23	1.21
Illinois	0.74	0.75	0.77	0.78	0.79	0.81	0.80	0.77	0.73	0.74	0.75
Indiana	0.84	0.89	0.92	0.93	0.94	0.99	1.02	0.98	0.95	0.98	1.05
Iowa	1.06	1.08	1.06	1.12	1.18	1.11	1.20	1.21	1.04	1.11	1.10
Kansas	1.05	1.03	1.02	1.07	1.12	1.07	1.16	1.12	1.10	1.11	1.12
Kentucky	1.28	1.28	1.33	1.36	1.32	1.38	1.38	1.45	1.52	1.48	1.51
Louisiana	1.35	1.29	1.32	1.28	1.38	1.42	1.43	1.45	1.49	1.57	1.78
Maine	1.30	1.32	1.33	1.33	1.30	1.26	1.23	1.30	1.37	1.40	1.41
Maryland	1.27	1.25	1.24	1.30	1.28	1.27	1.24	1.28	1.30	1.37	1.30
Massachusetts	0.92	0.91	0.90	0.89	0.87	0.80	0.80	0.82	0.83	0.82	0.82
Michigan	0.77	0.78	0.82	0.83	0.84	0.87	0.90	0.88	0.85	0.87	0.92
Minnesota	0.78	0.76	0.80	0.81	0.83	0.83	0.80	0.77	0.68	0.68	0.72
Mississippi	1.54	1.61	1.56	1.54	1.60	1.73	1.82	1.83	1.82	1.82	2.02
Missouri	1.29	1.40	1.24	1.24	1.24	1.27	1.30	1.33	1.34	1.34	1.32
Montana	1.46	1.49	1.54	1.55	1.70	1.57	1.61	1.60	1.53	1.52	1.47
Nebraska	1.01	1.00	1.02	1.05	1.09	1.15	1.19	1.20	1.06	1.08	1.10
Nevada	0.73	0.78	0.73	0.75	0.74	0.77	0.75	0.71	0.66	0.62	0.65
New Hampshire	0.75	0.75	0.74	0.76	0.73	0.71	0.71	0.70	0.67	0.69	0.71
New Jersey	0.68	0.69	0.71	0.71	0.70	0.69	0.65	0.61	0.57	0.57	0.61
New Mexico	1.85	1.85	1.83	1.85	1.89	2.08	1.93	2.07	2.17	2.18	2.03
New York	0.87	0.86	0.86	0.87	0.87	0.88	0.81	0.82	0.82	0.82	0.79
North Carolina	0.95	1.01	1.01	1.01	1.02	1.07	1.07	1.06	1.06	1.06	1.08
North Dakota	1.47	1.37	1.58	1.52	1.62	1.77	1.90	1.96	1.66	1.65	1.68
Ohio	0.97	0.97	0.97	0.97	0.98	1.03	1.03	1.01	1.01	1.02	1.05
Oklahoma	1.30	1.32	1.33	1.36	1.41	1.44	1.43	1.46	1.45	1.41	1.36
Oregon	0.95	0.95	0.94	0.97	0.97	0.97	0.99	0.97	0.97	0.98	0.93
Pennsylvania	1.05	1.04	1.05	1.05	1.06	1.07	1.08	1.07	1.07	1.07	1.07

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**Table 9.60-- ADJUSTED FEDERAL EXPENDITURES PER DOLLAR  
OF TAXES: 1995 TO 2005 -- Con.**

State	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Rhode Island	1.14	1.13	1.12	1.11	1.12	1.15	1.08	1.06	1.06	1.03	1.00
South Carolina	1.20	1.21	1.21	1.22	1.24	1.28	1.32	1.31	1.34	1.36	1.35
South Dakota	1.30	1.28	1.34	1.33	1.44	1.45	1.53	1.60	1.49	1.47	1.53
Tennessee	1.07	1.09	1.12	1.16	1.15	1.20	1.23	1.22	1.25	1.37	1.27
Texas	0.95	0.95	0.94	0.92	0.94	0.95	0.92	0.93	0.98	0.95	0.94
Utah	1.08	0.99	1.01	1.03	1.04	1.06	1.11	1.12	1.14	1.07	1.07
Vermont	1.03	1.04	1.01	1.03	1.07	1.09	1.11	1.11	1.15	1.16	1.08
Virginia	1.51	1.42	1.44	1.42	1.38	1.39	1.47	1.44	1.53	1.58	1.51
Washington	0.97	0.96	0.95	0.91	0.84	0.85	0.89	0.90	0.89	0.89	0.88
West Virginia	1.59	1.56	1.58	1.63	1.60	1.61	1.63	1.67	1.73	1.79	1.76
Wisconsin	0.80	0.81	0.84	0.86	0.87	0.90	0.89	0.86	0.82	0.83	0.86
Wyoming	1.08	1.03	1.03	1.06	1.06	1.08	1.09	1.07	1.16	1.13	1.11

Source: Tax Foundation, "Federal Taxes Paid vs. Federal Spending Received by State, 1981-2005"  
(October 19, 2007) <<http://www.taxfoundation.org/research/topic/92.html>> accessed October 22, 2007.

**Table 9.61-- ADJUSTED FEDERAL EXPENDITURES PER DOLLAR  
OF TAXES RANKING: 1995 TO 2005**

[For fiscal year ending September 30. Rank of 1 indicates highest ratio]

State	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	8	9	8	8	9	7	7	7	6	5	7
Alaska	17	15	10	11	6	5	6	3	3	2	3
Arizona	21	21	22	23	21	21	24	23	21	20	21
Arkansas	16	17	15	14	13	13	11	9	14	13	14
California	38	38	37	39	41	44	42	42	43	43	43
Colorado	34	35	39	37	38	42	41	44	39	40	41
Connecticut	50	49	50	50	49	50	49	49	46	46	48
Delaware	41	42	43	43	37	38	40	40	44	44	44
Dist. of Col.	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Florida	24	23	23	27	28	26	31	33	32	34	34
Georgia	33	32	32	33	33	33	33	31	34	33	32
<b>Hawaii</b>	<b>15</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>10</b>	<b>12</b>
Idaho	20	19	19	19	19	19	17	16	19	21	20
Illinois	47	48	46	46	46	45	46	46	45	45	45
Indiana	42	40	38	35	35	34	34	34	36	32	30
Iowa	26	24	24	21	20	24	21	21	30	25	24
Kansas	27	28	27	24	24	30	23	24	25	24	22
Kentucky	13	13	12	10	14	14	14	12	9	11	9
Louisiana	7	12	14	16	11	11	13	13	11	8	4
Maine	9	11	11	13	15	18	20	17	15	14	13
Maryland	14	16	16	15	16	16	18	19	18	16	18
Massachusetts	39	39	40	40	39	46	44	43	40	42	40
Michigan	45	44	44	44	44	40	37	38	38	38	37
Minnesota	44	46	45	45	45	43	45	45	47	48	46
Mississippi	3	2	4	4	4	3	3	3	2	3	2
Missouri	12	6	17	17	17	17	16	15	16	18	17
Montana	6	4	5	3	2	6	5	6	8	9	11
Nebraska	30	30	28	28	25	23	22	22	28	26	25
Nevada	48	45	48	48	47	47	47	47	49	49	49
New Hampshire	46	47	47	47	48	48	48	48	18	47	47
New Jersey	49	50	49	49	50	49	50	50	50	50	50
New Mexico	1	1	1	1	1	1	1	1	1	1	1
New York	40	41	41	41	42	39	43	41	42	41	42
North Carolina	36	29	30	31	31	28	30	28	27	19	27
North Dakota	5	8	3	5	3	2	2	2	5	6	6
Ohio	32	33	33	32	32	32	32	32	31	32	31
Oklahoma	11	10	13	9	10	10	12	11	13	15	15
Oregon	35	36	35	34	34	35	35	35	35	36	36
Pennsylvania	28	26	25	26	29	29	29	27	26	27	28

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**Table 9.61-- ADJUSTED FEDERAL EXPENDITURES PER DOLLAR  
OF TAXES RANKING: 1995 TO 2005 -- Con.**

State	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Rhode Island	19	20	20	22	23	22	28	30	29	30	33
South Carolina	18	18	18	18	18	15	15	18	15	17	16
South Dakota	10	14	9	12	8	9	8	8	11	12	8
Tennessee	25	22	21	20	22	20	19	20	20	19	19
Texas	37	37	36	36	36	36	36	36	33	35	35
Utah	22	31	29	30	30	31	25	26	22	28	29
Vermont	29	25	31	29	26	25	26	25	24	22	26
Virginia	4	5	6	7	12	12	10	14	7	7	10
Washington	31	34	34	38	43	41	39	37	37	37	38
West Virginia	2	3	2	2	5	4	4	5	4	4	5
Wisconsin	43	43	42	42	40	37	38	39	39	39	39
Wyoming	23	27	26	25	27	27	27	29	23	23	23

X Not applicable.

Source: Tax Foundation, "Federal Taxes Paid vs. Federal Spending Received by State, 1981-2005"  
(October 19, 2007) <<http://www.taxfoundation.org/research/topic/92.html>> accessed October 22, 2007.

**Table 9.62-- PUBLIC BONDED DEBT OF STATE AND COUNTY  
GOVERNMENTS: 1985 TO 2013**

[In millions of dollars. 1985 as of December 31 and as of June 30 1998 and beyond]

Year	Total bonded debt 1/	State debt	Total	County debt			
				Honolulu	Maui	Hawaii	Kauai
Tax Foundation of Hawaii and Hawaii state and county government							
1985	3,131.5	2,621.2	510.3	404.0	30.8	56.7	18.8
1986	3,311.7	2,720.4	591.3	456.8	47.2	69.3	18.0
1987	3,298.4	2,700.7	597.7	448.7	48.8	67.3	32.9
1988	3,382.2	2,728.8	653.4	513.6	43.1	65.1	31.6
1989	3,710.4	2,969.9	740.5	559.5	73.6	72.4	35.0
1990	4,484.4	3,394.4	1,090.0	846.3	110.5	100.0	33.2
1991	5,298.0	4,214.0	1,084.0	831.2	108.5	96.9	47.4
1992	6,170.0	4,842.4	1,327.6	1,044.0	140.2	93.5	49.9
1993	6,924.8	5,219.7	1,705.1	1,362.6	170.4	124.5	47.6
1994	6,913.5	5,015.4	1,898.1	1,544.6	185.1	119.5	49.0
1995	7,078.1	5,126.1	1,952.0	1,604.0	188.4	114.1	45.5
1996	7,098.6	5,051.3	2,047.3	1,669.8	194.3	143.5	39.8
1997	7,239.3	5,258.1	1,981.2	1,616.2	188.2	139.0	37.8
1998	7,808.0	5,773.6	2,034.4	1,639.2	223.8	133.2	38.3
1999	7,768.4	5,582.6	2,185.8	1,788.6	235.1	126.4	35.7
2000	8,023.2	5,745.2	2,278.0	1,831.6	236.8	149.3	60.4
2001	7,855.2	5,471.6	2,383.6	1,932.7	234.9	141.2	74.8
2002	8,856.6	6,072.0	2,784.6	2,312.1	246.3	155.9	70.2
2003	8,861.0	5,793.8	3,067.2	2,592.3	243.0	165.6	66.2
U.S. Census Bureau: debt outstanding							
2000	7,909.0	5,592.2	2,316.8	(NA)	(NA)	(NA)	(NA)
2001	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)
2002	8,448.3	5,656.3	2,791.9	(NA)	(NA)	(NA)	(NA)
2003	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)
2004	9,106.5	5,746.2	3,360.3	(NA)	(NA)	(NA)	(NA)
2005	9,292.1	5,844.3	3,447.8	(NA)	(NA)	(NA)	(NA)
2006	9,504.0	5,791.8	3,712.2	(NA)	(NA)	(NA)	(NA)
2007	10,431.5	6,242.4	4,189.1	(NA)	(NA)	(NA)	(NA)
2008	10,733.6	6,296.5	4,437.1	(NA)	(NA)	(NA)	(NA)
2009	11,495.0	6,880.2	4,614.7	(NA)	(NA)	(NA)	(NA)
2010 3/	12,615.4	7,700.7	4,914.8	(NA)	(NA)	(NA)	(NA)
2011 3/	13,367.0	7,912.8	5,454.2	(NA)	(NA)	(NA)	(NA)
2012 3/	13,992.0	8,398.0	5,594.0	(NA)	(NA)	(NA)	(NA)
2013	14,299.9	8,318.4	5,981.5	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Outstanding state and county bonds, both general obligation and revenue bonds. Gross debt exclusive of cash reserves. Excludes bonds not chargeable to public funds and short-term bond anticipation notes.

2/ There are no by-state statistics or state-area statistics available for 2000-01 nor 2002-03.

3/ "Total bonded debt" and "Total County debt" revised from previous *Data Book*.

Source: Tax Foundation of Hawaii, *Government in Hawaii*, table 52 (annual) and Tax Foundation of Hawaii unpublished compilations of Hawaii State Department of Accounting and General Services, *Annual Report of the Comptroller* (annual) and of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports); and U.S. Census Bureau "State and Local Government Finances by Level of Government and by State (annual) <<http://www.census.gov/govs/local/>> accessed June 21, 2016.

**Table 9.63-- STATE GENERAL OBLIGATION BOND DEBT: 1990 TO 2015**

[In thousands of dollars. For fiscal years ending June 30]

Year	Total bonded indebtedness	General long-term obligations account group	Enterprise funds	Component unit - University of Hawaii
1990	2,026,100	1,967,556	33,100	25,444
1991	2,274,846	2,222,324	27,700	24,822
1992	2,328,546	2,281,875	22,511	24,160
1993	2,767,691	2,726,654	17,577	23,460
1994	2,872,488	2,834,234	13,867	24,387
1995	2,934,965	2,901,651	9,948	23,366
1996	2,869,639	2,841,069	6,265	22,305
1997	3,102,288	3,075,862	5,231	21,195
1998	3,387,988	3,363,517	4,312	20,159
1999	3,189,298	3,166,880	3,468	18,950
2000	3,299,863	3,278,479	2,644	18,740
2001	3,244,857	3,225,635	1,799	17,423
2002	(NA)	3,568,001	(NA)	(NA)
2003	(NA)	3,634,738	(NA)	(NA)
2004	(NA)	3,954,192	(NA)	(NA)
2005	(NA)	4,256,633	(NA)	(NA)
2006	(NA)	4,322,964	(NA)	(NA)
2007	(NA)	4,079,714	(NA)	(NA)
2008	(NA)	4,408,572	(NA)	(NA)
2009	(NA)	4,779,666	(NA)	(NA)
2010	(NA)	5,157,198	(NA)	(NA)
2011	(NA)	4,987,544	(NA)	(NA)
2012	(NA)	5,475,348	(NA)	(NA)
2013	(NA)	5,534,921	(NA)	(NA)
2014	(NA)	5,784,139	(NA)	(NA)
2015	(NA)	6,503,281	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Accounting and General Services, *State of Hawaii, Comprehensive Annual Financial Report* (fiscal years 1990-2001), Schedule I-2, and for fiscal year 2000, Schedule K-3; and *Ibid. For the Fiscal Year Ended June 30* (fiscal years thereafter)

<<http://ags.hawaii.gov/accounting/annual-financial-reports/>> accessed June 21, 2016.

**Table 9.64-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2015**

Year	Government jobs 1/				State civil service workers 2/	State retirement system members 3/
	All levels	Federal	Territory or State	County		
1940	22,136	11,139	6,245	4,752	2,616	8,352
1945	78,846	66,248	7,231	5,367	3,772	12,662
1950	33,140	18,891	7,955	6,294	5,280	16,120
1960	49,510	27,010	14,620	7,880	6,790	24,092
1970	73,640	33,380	30,600	9,660	10,166	38,912
1980	89,050	30,000	45,150	13,900	17,327	48,868
1990	105,600	34,200	57,100	14,400	20,654	53,509
1991	108,900	33,900	60,300	14,800	(NA)	55,604
1992	111,100	33,300	62,600	15,300	22,920	57,401
1993	111,500	31,800	64,200	15,500	24,267	59,518
1994	111,900	31,300	65,000	15,600	24,716	61,082
1995	111,400	31,100	63,900	4/ 16,400	24,138	60,687
1996	110,600	31,100	62,800	16,600	23,338	59,275
1997	111,700	30,700	64,300	16,800	23,133	59,500
1998	112,200	30,400	64,900	16,900	23,627	60,447
1999	112,800	30,300	65,800	16,700	23,927	61,164
2000	114,600	31,000	66,900	16,700	5/ 21,380	62,207
2001	114,450	30,100	67,300	17,100	(NA)	63,408
2002	117,950	30,650	70,150	17,150	(NA)	66,043
2003	119,150	31,650	70,550	16,950	(NA)	66,442
2004	120,050	31,450	71,500	17,100	(NA)	67,074
2005	119,650	31,300	71,150	17,200	(NA)	68,011
2006	121,250	31,850	71,950	17,450	(NA)	69,233
2007	122,100	31,750	72,400	17,950	(NA)	70,805
2008	125,000	32,200	74,300	18,550	(NA)	72,436
2009	125,700	33,300	73,700	18,650	(NA)	73,928
2010	125,200	34,800	71,700	18,700	(NA)	72,785
2011	124,600	34,900	71,100	18,500	(NA)	71,959
2012	125,500	34,900	72,100	18,500	(NA)	72,508
2013 6/	124,500	33,900	71,900	18,700	(NA)	73,538
2014 6/	126,300	33,200	74,200	18,800	(NA)	75,311
2015 6/	126,600	33,200	74,500	18,900	(NA)	74,723

NA Not available.

1/ Data are annual averages and rounded to the nearest 50 except for the year 2000, which is rounded to the nearest 100. Totals may not add due to rounding.

2/ December 31 through 1960 and June 30 thereafter. State or Territorial workers in civil service system. Data exclude county employees, also covered by civil service.

3/ June 30 through 1960 and March 31 1961 through 2011, June 30 thereafter. Includes State or Territorial employees, county employees, and inactive members (those no longer employed by the State, Territory, or counties who have remained in the System), but excludes pensioners.

4/ 1995 data not comparable to earlier years.

5/ Does not include Hawaii Health Systems Corp. (HHSC). HHSC is a separate personnel jurisdiction apart from the civil service historically reported with the Department of Health and, since December 1999, its workforce data are not available.

6/ 'Government jobs' benchmarked by Hawaii Department of Labor & Industrial Relations in March 2016. 'Total' and 'State' revised for 2014.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii*, pp. 616-617; *Data Book 1978*, p. 158; Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual) and for 1990-2015 "Job Count by Industry" <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed July 8, 2016; Hawaii State Department of Human Resources Development, records; Employees' Retirement System of the State of Hawaii, *Comprehensive Annual Financial Report* (annual), records, and *Ibid. Report to Board of Trustees on the Annual Actuarial Valuation for the Year Ending June 30* <<http://ers.ehawaii.gov/resources/financials>> accessed July 8, 2016.

**Table 9.65-- FEDERAL GOVERNMENT EMPLOYMENT, BY AGENCY: 2010 to 2015**

[Fiscal year ending September 30. Excludes the U.S. Postal Service and individual state totals exclude the Federal Bureau of Investigation (FBI). Detail may not sum to department or agency total]

Agency	2010	2011	2012	2013	2014	2015 1/
TOTAL	25,354	25,628	25,671	24,574	24,377	24,968
Cabinet-level	25,056	25,341	25,379	24,298	24,105	24,702
Agriculture	828	795	781	756	773	755
Commerce	432	438	442	426	460	429
Defense	19,081	19,388	19,375	18,370	18,173	18,599
Air Force	2,209	1,839	1,806	1,770	1,806	1,779
Army	5,806	5,870	5,806	5,409	5,191	5,161
Other Defense	1,112	1,078	1,085	1,047	1,041	1,293
Navy/Marine Corps	9,954	10,601	10,678	10,144	10,135	10,366
Justice	297	293	294	291	284	517
U.S. Marshall's Service	26	24	27	25	26	25
Prisons	192	198	198	201	194	192
U.S. Attorney	68	59	59	54	53	54
Labor	31	32	31	34	33	32
Energy	1	2	2	2	2	2
Education	-	-	-	-	-	-
Health & Human Services	164	176	175	166	169	168
Homeland Security 2/	1,979	1,980	1,971	1,976	1,914	1,900
U.S. Coast Guard	143	148	147	139	126	125
Immig. & Customs Enf.	82	90	88	89	89	82
Customs & Border Prot.	324	315	308	296	296	294
Trans. Security Admin.	1,337	1,324	1,333	1,362	1,317	1,284
FEMA	55	65	55	53	47	47
Housing & Urban Dev.	29	28	26	25	25	22
Interior	713	714	723	648	631	595
National Park Service	462	461	476	425	404	375
State	18	18	18	19	17	(1/)
Transportation	418	407	413	398	407	381
Fed. Aviation Admin.	399	388	395	381	388	367
Fed. Highways Admin.	16	16	15	14	15	11
Treasury	163	153	143	119	120	102
Internal Revenue Service	161	151	141	118	118	99
Veterans Affairs	902	917	985	1,068	1,097	1,200
Veterans Benefits Admin.	88	80	86	92	99	100
National Cemetery Admin.	26	27	26	26	24	27
Veterans Health Admin.	764	783	847	925	950	1,046
Independent agencies 3/	298	287	292	276	272	240
Large	291	280	285	270	267	237
General Services Admin.	53	47	44	42	41	36
Social Security Admin.	133	136	131	122	129	138
Medium	7	7	7	6	5	3
Small	-	-	-	-	-	-

1/ State Department not available in FedScope after March, 2015. Resumed reporting in February, 2016 and is reflected in March 31, 2016 count as 18 employees. Some component counts reflect suppressed categories.

2/ New agency as of November 25, 2002.

3/ Large is 1,000 or more; Medium is 100 to 999; and Small is fewer than 100 employees.

Source: U.S. Office of Personnel Management, FedScope

<[http://www.fedscope.opm.gov/employment\\_access.asp](http://www.fedscope.opm.gov/employment_access.asp)> accessed July 22, 2016.

**Table 9.66-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:  
MARCH 2012**

[In number of jobs and thousands of dollars]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total 1/	88,327	66,802	21,525	72,622	312,910	292,589	20,321	989,842
Financial administration	1,618	1,609	9	1,613	6,393	6,372	20	776
Other government administration	1,964	1,741	223	1,823	7,972	7,615	357	14,468
Judicial and legal	3,072	3,007	65	3,029	13,605	13,459	146	4,139
Police protection	3,859	3,711	148	3,740	23,877	23,812	65	5,014
Persons with powers of arrest	2,898	2,898	-	2,898	20,755	20,755	-	-
Other	961	813	148	842	3,122	3,057	65	5,014
Fire protection	1,927	1,910	17	1,921	12,105	12,063	42	1,912
Firefighters	1,777	1,777	-	1,777	11,570	11,570	-	-
Other	150	133	17	144	534	493	42	1,912
Correction	2,271	2,260	11	2,264	9,785	9,739	45	817
Highways	1,818	1,791	27	1,803	7,347	7,318	29	1,992
Air transportation	949	939	10	943	3,795	3,779	16	760
Water transport and terminals	197	197	-	197	779	779	-	-
Public welfare 1/	661	530	131	577	2,214	2,124	90	8,352
Health	2,253	2,170	83	2,206	10,325	10,158	167	6,398
Hospitals	4,883	4,198	685	4,539	22,306	20,182	2,124	60,281
Social insurance administration	305	284	21	293	1,096	1,059	37	1,670
Solid waste management	614	614	-	614	2,888	2,888	-	-
Sewerage	715	714	1	715	3,258	3,257	1	84
Parks and recreation 1/	3,090	1,789	1,301	2,038	6,615	6,062	553	42,150
Housing and community dev't	279	270	9	275	1,072	1,062	10	780

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**Table 9.66-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:  
MARCH 2012 -- Con.**

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Natural resources 1/	1,017	932	85	982	3,940	3,800	140	8,471
Water supply	951	949	2	951	4,881	4,874	8	266
Transit	97	71	26	92	316	275	40	3,654
Education total	50,632	32,268	18,364	37,025	148,235	132,121	16,113	803,748
Elem. & secondary educ. total	35,157	22,238	12,919	25,717	97,692	85,904	11,788	577,446
Elem. & sec. instructional	28,346	17,049	11,297	20,130	81,956	71,311	10,645	511,404
Elem. & sec other	6,811	5,189	1,622	5,587	15,736	14,593	1,142	66,042
Higher education total	15,361	9,918	5,443	11,195	50,096	45,775	4,321	226,142
Higher educ. Instructional	4,895	4,174	721	4,339	26,961	26,075	886	29,288
Higher ed other	10,466	5,744	4,722	6,856	23,135	19,700	3,435	196,854
Other education	114	112	2	113	447	442	5	160
Libraries	689	468	221	566	1,828	1,608	220	17,456
All other and unallocable	4,466	4,380	86	4,416	18,280	18,182	98	6,654

1/ Revised from 2013 Data Book.

Source: U.S. Census Bureau, 2012 Census of Governments, "CG1200EMP004: State and Local Government Employment and Payroll Data: March 2012" released March 27, 2014 and revised last on April 26, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 21, 2016.

**Table 9.67-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2013**

[In number of jobs and thousands of dollars]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total	88,674	66,949	21,725	72,429	315,687	296,414	19,273	932,279
Financial administration	1,664	1,648	16	1,658	6,460	6,427	33	1,654
Other government administration	1,976	1,787	189	1,870	8,362	8,001	361	14,748
Judicial and legal	3,059	3,007	52	3,028	13,560	13,448	112	3,898
Police protection	3,942	3,775	167	3,811	23,292	23,183	109	6,230
Persons with powers of arrest	2,985	2,960	25	2,964	20,082	20,072	10	780
Other	957	815	142	847	3,210	3,111	99	5,450
Fire protection	1,949	1,930	19	1,940	11,391	11,350	41	1,826
Firefighters	1,803	1,803	-	1,803	10,849	10,849	-	-
Other	146	127	19	137	542	502	41	1,826
Correction	2,344	2,333	11	2,337	9,864	9,807	58	834
Highways	1,777	1,746	31	1,757	7,391	7,364	27	1,902
Air transportation	1,025	1,014	11	1,019	4,111	4,097	14	836
Water transport and terminals	210	210	-	210	842	842	-	-
Public welfare	707	591	116	622	2,431	2,360	71	5,642
Health	2,300	2,218	82	2,255	10,321	10,145	176	6,524
Hospitals	5,076	4,308	768	4,637	24,642	22,611	2,032	57,871
Social insurance administration	300	276	24	287	1,101	1,060	41	1,916
Solid waste management	612	612	-	612	2,921	2,921	-	-
Sewerage	721	719	2	719	3,358	3,358	-	20
Parks and recreation	3,115	1,855	1,260	2,102	6,782	6,239	543	41,764
Housing and community dev't	286	277	9	282	1,058	1,048	10	780
Natural resources	1,056	964	92	1,025	4,071	3,903	168	10,086
Water supply	973	972	1	973	4,355	4,351	3	120

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**Table 9.67-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:  
MARCH 2013 -- Con.**

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Transit	107	84	23	104	341	302	39	3,554
Education total	50,098	31,587	18,511	35,999	148,147	133,066	15,081	746,150
Elem. & secondary educ. total	34,721	22,003	12,718	25,166	96,822	86,036	10,786	525,052
Elem. & sec. instructional	28,051	16,935	11,116	19,659	81,165	71,401	9,765	452,174
Elem. & sec other	6,670	5,068	1,602	5,507	15,657	14,635	1,021	72,878
Higher education total	15,255	9,465	5,790	10,713	50,859	46,569	4,290	220,858
Higher educ. Instructional	4,782	3,994	788	4,186	27,330	26,301	1,029	34,006
Higher ed other	10,473	5,471	5,002	6,527	23,529	20,268	3,261	186,852
Other education	122	119	3	120	467	461	6	240
Libraries	713	440	273	555	1,701	1,442	259	20,426
All other and unallocable	4,664	4,596	68	4,627	19,186	19,092	94	5,498

Source: U.S. Census Bureau, 2013 Annual Survey of Public Employment & Payroll "EP1300A4: State and Local Government Employment and Payroll Data: March 2013" (released December 19, 2014, and last revised April 26, 2016)  
<<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 22, 2016.

**Table 9.68-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2014**

[In number of jobs and thousands of dollars]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total	91,273	68,516	22,757	74,920	335,721	314,452	21,270	1,089,517
Financial administration	1,765	1,736	29	1,742	7,045	7,022	24	996
Other government administration	2,313	1,903	410	2,005	9,098	8,645	453	18,130
Judicial and legal	3,171	3,104	67	3,126	15,106	14,965	140	3,972
Police protection	4,158	3,980	178	4,010	23,860	23,788	72	5,322
Persons with powers of arrest	3,117	3,117	-	3,117	20,574	20,574	-	-
Other	1,041	863	178	893	3,286	3,214	72	5,322
Fire protection	2,006	1,970	36	1,995	11,721	11,625	96	4,476
Firefighters	1,827	1,827	-	1,827	10,976	10,976	-	-
Other	179	143	36	168	745	648	96	4,476
Correction	2,436	2,424	12	2,429	11,189	11,135	54	884
Highways	1,853	1,829	24	1,839	8,091	8,057	34	1,850
Air transportation	995	989	6	992	4,129	4,124	5	456
Water transport and terminals	220	220	-	220	898	898	-	-
Public welfare	627	518	109	545	2,202	2,126	76	4,778
Health	2,349	2,258	91	2,296	11,284	11,087	197	6,816
Hospitals	5,085	4,301	784	4,655	24,461	22,277	2,183	62,694
Social insurance administration	271	241	30	255	1,055	991	64	2,398
Solid waste management	623	623	-	623	2,980	2,980	-	-
Sewerage	798	791	7	791	3,456	3,456	1	76
Parks and recreation	4,092	1,988	2,104	2,249	7,501	6,848	653	46,100
Housing and community dev't	303	292	11	298	1,075	1,061	15	1,040
Natural resources	1,100	1,009	91	1,045	4,430	4,318	112	6,143

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**Table 9.68-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:  
MARCH 2014 -- Con.**

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Water supply	1,005	1,004	1	1,005	4,723	4,719	4	120
Transit	110	93	17	108	372	342	29	2,658
Education total	50,456	32,024	18,432	37,337	158,448	141,695	16,753	896,232
Elem. & secondary educ. total	35,326	22,277	13,049	26,310	105,614	93,286	12,328	669,608
Elem. & sec. instructional	28,511	17,138	11,373	20,755	88,153	77,217	10,936	600,502
Elem. & sec other	6,815	5,139	1,676	5,555	17,460	16,069	1,391	69,106
Higher education total	15,003	9,622	5,381	10,901	52,326	47,905	4,421	226,464
Higher educ. Instructional	4,635	3,748	887	3,955	26,233	25,124	1,109	36,668
Higher ed other	10,368	5,874	4,494	6,946	26,093	22,781	3,312	189,796
Other education	127	125	2	126	509	505	4	160
Libraries	694	449	245	550	1,876	1,665	211	17,904
All other and unallocable	4,843	4,770	73	4,805	20,722	20,628	94	6,472

Source: U.S. Census Bureau, 2014 Annual Survey of Public Employment and Payroll "EP1400A4: State and Local Government Employment and Payroll Data: March 2014" (January 8, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 21, 2016.

**Table 9.69-- STATE GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2012**

[In number of jobs and thousands of dollars. The Census Bureau revised 2012 data on April 26, 2016 but Hawaii State data were not affected]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total	72,093	51,888	20,205	57,293	235,935	216,629	19,306	919,085
Financial administration	640	638	2	639	2,410	2,406	4	198
Other government admin.	811	644	167	707	2,931	2,647	285	11,254
Judicial and legal	2,505	2,447	58	2,467	10,754	10,615	139	3,683
Corrections	2,271	2,260	11	2,264	9,785	9,739	45	817
Highways	862	847	15	854	3,732	3,720	12	1,172
Air transportation	949	939	10	943	3,795	3,779	16	760
Water transport & terminals	197	197	0	197	779	779	0	0
Public welfare	421	389	32	403	1,534	1,515	20	2,436
Health	1,953	1,904	49	1,927	8,684	8,565	118	4,144
Hospitals	4,883	4,198	685	4,539	22,306	20,182	2,124	60,281
Social insurance admin.	305	284	21	293	1,096	1,059	37	1,670
Parks and recreation	642	131	511	170	569	464	105	6,896
Natural resources	768	763	5	765	3,156	3,151	5	400
Education total	50,632	32,268	18,364	37,025	148,235	132,121	16,113	803,748
Elem. & sec. total	35,157	22,238	12,919	25,717	97,692	85,904	11,788	577,446
Elem & sec instruct.	28,346	17,049	11,297	20,130	81,956	71,311	10,645	511,404
Elem & sec other	6,811	5,189	1,622	5,587	15,736	14,593	1,142	66,042
Higher educ. total	15,361	9,918	5,443	11,195	50,096	45,775	4,321	226,142
Higher educ. Instruct.	4,895	4,174	721	4,339	26,961	26,075	886	29,288
Higher educ. other	10,466	5,744	4,722	6,856	23,135	19,700	3,435	196,854
Other	114	112	2	113	447	442	5	160
Libraries	686	466	220	564	1,821	1,602	219	17,392
All other and unallocable	3,568	3,513	55	3,536	14,348	14,285	64	4,234

Source: U.S. Census Bureau, 2012 Census of Governments, "CG1200EMP002: State Government Employment and Payroll Data: March 2012" (released March 27, 2014 and last revised April 26, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 22, 2016.

**Table 9.70-- STATE GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2013**

[In number of jobs and thousands of dollars]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total 1/	72,182	51,757	20,425	56,810	239,948	221,744	18,204	859,883
Financial administration	648	646	2	647	2,429	2,424	5	198
Other government admin. 1/	806	665	141	734	3,239	2,932	307	12,354
Judicial and legal	2,489	2,447	42	2,461	10,663	10,570	93	2,704
Corrections	2,344	2,333	11	2,337	9,864	9,807	58	834
Highways	893	872	21	877	3,939	3,930	10	948
Air transportation	1,025	1,014	11	1,019	4,111	4,097	14	836
Water transport & terminals	210	210	-	210	842	842	-	-
Public welfare	432	415	17	422	1,608	1,596	13	1,292
Health	2,005	1,958	47	1,981	8,831	8,706	125	4,008
Hospitals 1/	5,076	4,308	768	4,637	24,642	22,611	2,032	57,871
Social insurance admin.	300	276	24	287	1,101	1,060	41	1,916
Parks and recreation	648	137	511	173	585	484	101	6,436
Natural resources	801	795	6	798	3,281	3,272	10	536
Education total	50,098	31,587	18,511	35,999	148,147	133,066	15,081	746,150
Elem. & sec. total	34,721	22,003	12,718	25,166	96,822	86,036	10,786	525,052
Elem & sec instruct.	28,051	16,935	11,116	19,659	81,165	71,401	9,765	452,174
Elem & sec other	6,670	5,068	1,602	5,507	15,657	14,635	1,021	72,878
Higher educ. total	15,255	9,465	5,790	10,713	50,859	46,569	4,290	220,858
Higher educ. instruct.	4,782	3,994	788	4,186	27,330	26,301	1,029	34,006
Higher educ. other	10,473	5,471	5,002	6,527	23,529	20,268	3,261	186,852
Other	122	119	3	120	467	461	6	240
Libraries	711	438	273	553	1,696	1,436	259	20,426
All other and unallocable	3,696	3,656	40	3,675	14,970	14,913	58	3,374

1/ Revised from previous *Data Book*.

Source: U.S. Census Bureau, 2013 Annual Survey of Public Employment & Payroll, "EP1300A2: State Government Employment and Payroll Data: March 2013 (released December 19, 2014, revised April 26, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 22, 2016.

**Table 9.71-- STATE GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2014**

[In number of jobs and thousands of dollars]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total	72,787	52,434	20,353	58,409	256,070	235,981	20,089	1,013,800
Financial administration	687	687	-	687	2,804	2,804	-	-
Other government admin.	847	697	150	777	3,596	3,231	365	14,292
Judicial and legal	2,537	2,483	54	2,498	11,976	11,856	121	2,654
Corrections	2,436	2,424	12	2,429	11,189	11,135	54	884
Highways	897	883	14	889	4,136	4,125	11	1,094
Air transportation	995	989	6	992	4,129	4,124	5	456
Water transport & terminals	220	220	-	220	898	898	-	-
Public welfare	416	413	3	414	1,720	1,718	1	228
Health	2,012	1,965	47	1,988	9,608	9,463	145	4,136
Hospitals	5,085	4,301	784	4,655	24,461	22,277	2,183	62,694
Social insurance admin.	271	241	30	255	1,055	991	64	2,398
Parks and recreation	666	135	531	176	625	509	116	7,216
Natural resources	814	810	4	812	3,609	3,601	8	336
Education total	50,456	32,024	18,432	37,337	158,448	141,695	16,753	896,232
Elem. & sec. total	35,326	22,277	13,049	26,310	105,614	93,286	12,328	669,608
Elem & sec instruct.	28,511	17,138	11,373	20,755	88,153	77,217	10,936	600,502
Elem & sec other	6,815	5,139	1,676	5,555	17,460	16,069	1,391	69,106
Higher educ. total	15,003	9,622	5,381	10,901	52,326	47,905	4,421	226,464
Higher educ. Instruct.	4,635	3,748	887	3,955	26,233	25,124	1,109	36,668
Higher educ. other	10,368	5,874	4,494	6,946	26,093	22,781	3,312	189,796
Other	127	125	2	126	509	505	4	160
Libraries	693	448	245	549	1,872	1,661	211	17,904
All other and unallocable	3,755	3,714	41	3,731	15,945	15,893	53	3,276

Source: U.S. Census Bureau, 2014 Annual Survey of Public Employment & Payroll, "EP1400A2: State Government Employment and Payroll Data: March 2014" (January 8, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 21, 2016.

**Table 9.72-- LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2012**

[In number of jobs and thousands of dollars]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total 1/	16,234	14,914	1,320	15,329	76,975	75,960	1,015	70,757
Financial administration	978	971	7	974	3,982	3,967	16	578
Other government administration	1,153	1,097	56	1,116	5,041	4,969	72	3,214
Judicial and legal	567	560	7	562	2,851	2,844	7	456
Police protection	3,859	3,711	148	3,740	23,877	23,812	65	5,014
Persons with power of arrest	2,898	2,898	-	2,898	20,755	20,755	-	-
Other police protection	961	813	148	842	3,122	3,057	65	5,014
Fire protection total	1,927	1,910	17	1,921	12,105	12,063	42	1,912
Firefighters	1,777	1,777	-	1,777	11,570	11,570	-	-
Other fire protection	150	133	17	144	534	493	42	1,912
Highways	956	944	12	949	3,615	3,598	17	820
Public welfare 1/	240	141	99	174	680	609	71	5,916
Health	300	266	34	279	1,641	1,593	49	2,254
Solid waste management 1/	614	614	-	614	2,888	2,888	-	-
Sewerage 1/	715	714	1	715	3,258	3,257	1	84
Parks and recreation 1/	2,448	1,658	790	1,868	6,046	5,598	448	35,254
Housing and community dev't 1/	279	270	9	275	1,072	1,062	10	780
Natural resources 1/	249	169	80	217	784	649	135	8,071
Water supply	951	949	2	951	4,881	4,874	8	266
Transit	97	71	26	92	316	275	40	3,654
Local libraries	3	2	1	2	7	6	1	64
All other and unallocable	898	867	31	880	3,931	3,898	34	2,420

1/ Revised from previous *Data Book*.

Source: U.S. Census Bureau, 2012 Census of Governments "CG1200EMP003: Local Government Employment and Payroll Data: March 2012" (released March 27, 2014 and last revised April 26, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 22, 2016.

**Table 9.73-- LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2013**

[In number of jobs and thousands of dollars]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total	16,492	15,192	1,300	15,619	75,739	74,670	1,069	72,396
Financial administration	1,016	1,002	14	1,011	4,031	4,003	29	1,456
Other government administration	1,170	1,122	48	1,136	5,123	5,069	54	2,394
Judicial and legal	570	560	10	567	2,897	2,877	19	1,194
Police protection	3,942	3,775	167	3,811	23,292	23,183	109	6,230
Persons with power of arrest	2,985	2,960	25	2,964	20,082	20,072	10	780
Other police protection	957	815	142	847	3,210	3,111	99	5,450
Fire protection total	1,949	1,930	19	1,940	11,391	11,350	41	1,826
Firefighters	1,803	1,803	-	1,803	10,849	10,849	-	-
Other fire protection	146	127	19	137	542	502	41	1,826
Highways	884	874	10	880	3,452	3,434	18	954
Public welfare	275	176	99	200	822	764	58	4,350
Health	295	260	35	274	1,490	1,439	51	2,516
Solid waste management	612	612	-	612	2,921	2,921	-	-
Sewerage	721	719	2	719	3,358	3,358	(1/)	20
Parks and recreation	2,467	1,718	749	1,929	6,197	5,755	442	35,328
Housing and community dev't	286	277	9	282	1,058	1,048	10	780
Natural resources	255	169	86	227	790	631	159	9,550
Water supply	973	972	1	973	4,355	4,351	3	120
Transit	107	84	23	104	341	302	39	3,554
Local libraries	2	2	-	2	5	5	-	-
All other and unallocable	968	940	28	952	4,216	4,179	37	2,124

1/ Rounds to zero but has a value of \$320.

Source: U.S. Census Bureau, 2013 Annual Survey of Public Employment & Payroll, "EP1300A3: Local Government Employment and Payroll Data: March 2013" (released December 19, 2014 and last revised April 26, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 24, 2016.

**Table 9.74-- LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2014**

[In number of jobs and thousands of dollars]

Government function	Employment				Payroll			Part-time hours paid (March)
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees	
Total	18,486	16,082	2,404	16,511	79,651	78,471	1,180	75,717
Financial administration	1,078	1,049	29	1,055	4,241	4,218	24	996
Other government administration	1,466	1,206	260	1,228	5,502	5,414	88	3,838
Judicial and legal	634	621	13	628	3,130	3,110	20	1,318
Police protection	4,158	3,980	178	4,010	23,860	23,788	72	5,322
Persons with power of arrest	3,117	3,117	-	3,117	20,574	20,574	-	-
Other police protection	1,041	863	178	893	3,286	3,214	72	5,322
Fire protection total	2,006	1,970	36	1,995	11,721	11,625	96	4,476
Firefighters	1,827	1,827	-	1,827	10,976	10,976	-	-
Other fire protection	179	143	36	168	745	648	96	4,476
Highways	956	946	10	950	3,955	3,932	23	756
Public welfare	211	105	106	131	482	407	75	4,550
Health	337	293	44	308	1,676	1,625	51	2,680
Solid waste management	623	623	-	623	2,980	2,980	-	-
Sewerage	798	791	7	791	3,456	3,456	1	76
Parks and recreation	3,426	1,853	1,573	2,073	6,876	6,338	537	38,884
Housing and community dev't	303	292	11	298	1,075	1,061	15	1,040
Natural resources	286	199	87	233	822	718	104	5,807
Water supply	1,005	1,004	1	1,005	4,723	4,719	4	120
Transit	110	93	17	108	372	342	29	2,658
Local libraries	1	1	-	1	4	4	-	-
All other and unallocable	1,088	1,056	32	1,074	4,777	4,735	42	3,196

Source: U.S. Census Bureau, 2014 Annual Survey of Public Employment & Payroll, "EP1400A3: Local Government Employment and Payroll Data: March 2014" (January 8, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 24, 2016.

**Table 9.75-- PUBLIC EMPLOYEES INCLUDED IN COLLECTIVE BARGAINING UNITS: 2015**

[As of December 31]

Bar- gain- ing unit	Job category	Total	State of Hawaii	City & County of Honolulu	County of Hawaii	County of Maui	County of Kauai	Dept. of Educ.	Judici- ary	Univer- sity of Hawaii	HHSC 1/
	Total	60,729	12,368	8,172	2,306	2,125	1,082	21,562	1,599	7,410	4,105
1	Blue-collar nonsupervisors	8,375	1,872	1,820	546	561	362	2,089	98	530	497
2	Blue-collar supervisors	779	179	212	49	42	14	243	-	13	27
3	White-collar nonsupervisors	13,055	3,467	1,525	622	577	212	4,443	816	687	706
4	White-collar supervisors	844	225	140	40	31	46	256	56	31	19
5	Teachers & other personnel 2/	12,638	-	-	-	-	-	12,638	-	-	-
6	Educational officers 3/	880	-	-	-	-	-	880	-	-	-
7	Faculty of the University of Hawaii and the community college system	3,804	-	-	-	-	-	-	-	3,804	-
8	Personnel of the University of Hawaii and the community college system, other than faculty	2,334	-	-	-	-	-	-	-	2,334	-
9	Registered prof. nurses	1,700	397	-	-	-	-	2	3	9	1,289
10	Institutional, health and correctional workers	3,094	1,681	238	-	-	-	30	55	2	1,088
11	Firefighters	1,977	178	1,021	351	287	140	-	-	-	-
12	Police officers	2,894	-	1,994	407	349	144	-	-	-	-
13	Prof. & scientific employees 4/	8,143	4,369	1,052	291	278	122	981	571	-	479
14	State law enforcement officers & state & county ocean safety & water safety officers	212	-	170	-	-	42	-	-	-	-

1/ Hawaii Health Systems Corporation.

2/ Includes teachers and other personnel of the Department of Education under same salary schedule and part-time employees working less than 20 hours a week who are equal to one-half of a full-time equivalent.

3/ Also includes other Department of Education personnel under same salary schedule.

4/ Professional & scientific employees, who cannot be included in any other bargaining units.

Source: State of Hawaii Labor Relations Board, *HLRB Informational Bulletin No. 54 Revised*, (April 7, 2016) and unpublished correction. See also <<http://labor.hawaii.gov/hlrp/find-a-report/>> accessed July 27, 2016.

**Table 9.76-- SALARIES OF SELECTED GOVERNMENT OFFICIALS:  
2002 TO 2007**

[Annual rates, in dollars, as of January 1]

<b>Government official</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Governor	94,780	94,780	94,780	94,780	94,780	112,000
Lieutenant Governor	90,041	90,041	90,041	90,041	90,041	100,000
Mayor, Honolulu 1/	112,200	112,200	112,200	112,200	116,688	122,000
Mayor, Hawaii 2/	78,564	85,080	85,080	85,080	85,080	85,080
Mayor, Maui 3/	96,000	96,000	96,000	103,860	103,860	103,860
Mayor, Kauai	73,118	73,118	73,118	80,000	80,000	80,000
Chief Justice, Supreme Court 4/	116,779	116,779	116,779	116,779	116,779	116,779
Assoc. Justice, Supreme Court 4/	115,547	115,547	115,547	115,547	115,547	115,547
President, University of Hawaii 5/	442,000	442,000	442,000	325,000	360,000	360,000

1/ Had increased to \$110,000 effective July 1, 2000; and a 2 percent increase to \$112,200 effective July 1, 2001. A resolution to reject the Salary Commission's recommendation to increase to \$115,566 was adopted by the City Council on May 29, 2002, subsequent increases to \$116,688 recommended on April 20, 2005 and to \$122,000 on April 27, 2006 were not rejected within the 60-day limit and therefore are effective on July 1 of that year. Similarly, the Mayor's salary increased by 5 percent to \$128,100 on July 1, 2007.

2/ The Mayor's salary of \$78,564 became effective on December 4, 2000. By Salary Commission recommendation of April 19, 2002, the Mayor's salary increased to \$85,080 effective June 30, 2002.

3/ On January 1, 2002 the Mayor's salary increased 7 percent from \$89,712 to \$96,000 and to \$103,860 effective July 1, 2004. 2005 and 2006 are revised from previous *Data Book*.

4/ On February 16, 2000, Governor Benjamin J. Cayetano signed a bill that rectifies a measure passed by the 1999 Legislature. This mandates an increase of 4 percent over two years which was retroactive to July 1, 1999.

5/ For 1996-2000, Kenneth J. Mortimer's contract, expiring June 30, 2003, reportedly included use of the residence at College Hill and of a car. The Board of Regents was not available to confirm the contract and salary specifics. The contracted salary for Evan S. Dobbelle of \$442,000 was effective July 2, 2001 and was to run to June 30, 2008 but was terminated by the Board of Regents on June 15, 2004. David McClain was named interim president by the Board of Regents effective August 15, 2004 through August 14, 2006. Terms of the contract include an annual salary of \$325,000 a year, residence at College Hill, a monthly car allowance of \$326, and a year of sabbatical leave upon successful completion of the two-year appointment with compensation set at \$190,000. The Board of Regents and David McClain agreed on March 7, 2006 on a March 1, 2006 - July 31, 2009 contract including \$360,000 annual salary plus free use of Manoa's College Hill mansion; \$326 monthly auto allowance and parking; an unspecified amount of expense account while on UH business for him and wife and post-contract a \$250,000 year's sabbatical; tenured professorship at \$250,000 per school year. It also provides a severance of one-year's pay if McClain involuntarily leaves the university before the contract expires.

Source: City & County of Honolulu, Hawaii, Maui, and Kauai County Mayor's offices, ordinances and Salary Commissions records; Hawaii State Department of Business, Economic Development & Tourism telephone surveys, various Honolulu Advertiser articles, and *Honolulu Star-Bulletin* "UH, McClain sign 3-year deal", March 8, 2006.

## Section 10

# NATIONAL DEFENSE

This section presents statistics relating to the armed forces and their family members, National Guard expenditures and strength, civilian employment in national defense, veterans, land controlled by the U.S. Department of Defense (DOD), military housing, and expenditures by the armed forces. Additional information appears in sections 1, 2, 9, 12, and 23.

The Hawaii State Department of Business, Economic Development & Tourism (DBEDT) has compiled periodic reports on military personnel and dependents since 1959. Other published sources include reports of the U.S. DOD, U.S. Census Bureau, U.S. Department of Veterans Affairs, the Hawaii State Department of Labor and Industrial Relations and the Hawaii State Department of Defense. Definitions used by these sources differ to some degree, and care is necessary in comparing data issued by two or more agencies. *Historical Statistics of Hawaii*, Section 26, includes series on the armed forces dating back to 1795. Section 10 of the *Statistical Abstract of the United States: 2012* presents data on national defense and veterans affairs for other states and the U.S. as a whole.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#">10.01</a>	Hawaii Residents on Active Duty with the U.S. Armed Forces Worldwide: 1950 to 2002
<a href="#">10.02</a>	Active Duty by Legal Residence and Selected Reserves by Home of Record: 2002
<a href="#">10.03</a>	Active Duty Personnel, by Service: 1953 to 2015
<a href="#">10.04</a>	Department of Defense Personnel and Dependents: 1989 to 2015
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**Table 10.01-- HAWAII RESIDENTS ON ACTIVE DUTY WITH THE  
U.S. ARMED FORCES WORLDWIDE: 1950 TO 2002**

[As of June 30, unless otherwise specified. 1950-1979 based on pre-service residence;  
1980-1995 and 2002, on home of record]

Year	Number	Year	Number	Year	Number
1950	7,699	1968	22,433	1986	10,882
1951	10,958	1969	15,856	1987	10,896
1952	16,594	1970	15,331	1988	10,548
1953	16,217	1971	13,600	1989 1/	10,501
1954	16,189	1972	11,600	1990	10,052
1955	15,175	1973	10,200	1991	10,076
1956	15,243	1974	10,810	1992	8,432
1957	14,687	1975	10,640	1993	7,621
1958	13,310	1976	10,600	1994	5,098
1959	12,596	1977	10,640	1995 2/	4,237
1960 3/	12,662	1978	10,715	1996	(NA)
1961	11,340	1979 3/	11,069	1997	(NA)
1962	13,464	1980	11,851	1998	(NA)
1963	14,944	1981	11,927	1999	(NA)
1964	15,000	1982	11,926	2000	(NA)
1965	15,109	1983	11,641	2001	(NA)
1966	15,875	1984	11,466	2002 4/	3,970
1967	18,048	1985	10,827		

NA Not available.

1/ U.S. military personnel stationed abroad as of December 31, 1989 included 3,782 whose home of record was Hawaii and 5,049 whose last duty station was Hawaii (data from U.S. Bureau of the Census, Press Clippings, CB90-28, July 23, 1990).

2/ For 1995, Defense Manpower Data Center does not include home-of-record for U.S. Air Force.

3/ As of March 31 or April 1.

4/ As of December 31.

Source: 1950-1969 estimates by U.S. Bureau of the Census, in Hawaii State Department of Planning and Economic Development, *Military Personnel and Dependents in Hawaii, July 1977* (Statistical Report 120, September 9, 1977), table 5; 1970-2002 from U.S. Department of Defense, Defense Manpower Data Center, records.

**Table 10.02-- ACTIVE DUTY BY LEGAL RESIDENCE  
AND SELECTED RESERVES BY HOME OF RECORD: 2002**

[As of December 31, 2002]

Category	Selected reserves by home of record		Active duty by legal residence	
	United States	Hawaii	United States	Hawaii
Total	876,527	9,108	1,399,751	3,970
American Indian/Alaska Native	8,275	52	15,795	13
Asian/Pacific Islander	26,640	5,639	56,667	2,630
Black	143,672	436	275,205	173
White	611,482	2,122	897,514	710
Hispanic	70,333	374	127,900	149
Other/unknown	16,125	485	26,670	295
Other	(NA)	(NA)	13,869	95
Unknown	(NA)	(NA)	12,801	200
Total	876,527	9,108	1,399,751	3,970
Female	151,656	1,656	210,085	592
Male	724,871	7,452	1,189,666	3,378

NA Not available.

Source: U.S. Department of Defense, Directorate of Information, Operations and Reports unpublished compilation, September 10, 2003 based on Defense Manpower Data Center unpublished data.

**Table 10.03-- ACTIVE DUTY PERSONNEL, BY SERVICE: 1953 TO 2015**

[As of June 30 for 1953 to 1956; as of September 30 for 1957 and thereafter. Excludes Coast Guard]

Year	Total 1/	Army	Navy	Marine Corps	Air Force	Year	Total 1/	Army	Navy	Marine Corps	Air Force
1953	24,785	5,872	7,657	6,040	5,216	1985	46,875	18,262	12,722	9,192	6,699
1954	23,654	7,957	6,443	4,155	5,099	1986	46,122	18,153	12,938	8,752	6,279
1955	40,258	19,821	5,211	9,677	5,549	1987	47,262	18,905	12,975	9,263	6,119
1956	37,470	16,531	5,237	9,490	6,212	1988	45,843	18,170	12,479	9,365	5,829
1957	40,683	17,511	5,466	9,608	8,098	1989	45,935	18,788	12,403	9,179	5,565
1958	35,076	14,672	4,908	8,670	6,826	1990	41,887	18,590	12,289	5,618	5,390
1959	36,310	15,438	5,309	8,470	7,093	1991	44,092	18,173	12,040	8,571	5,308
1960	35,412	15,492	5,687	7,756	6,477	1992	44,864	18,666	12,321	8,945	4,932
1961	39,474	16,945	5,774	9,679	7,076	1993	42,958	18,831	11,272	8,147	4,708
1962	41,657	17,645	6,664	9,903	7,445	1994	42,161	19,485	11,510	6,484	4,682
1963	40,610	16,589	6,545	9,950	7,526	1995	38,172	16,672	10,738	6,198	4,564
1964	45,046	18,566	6,777	10,613	9,090	1996	36,392	15,225	10,643	5,953	4,571
1965	41,984	20,006	6,700	6,154	9,124	1997	34,826	15,249	9,840	6,123	3,614
1966	30,136	8,712	6,251	4,485	10,688	1998	34,643	15,133	7,882	7,081	4,547
1967	34,338	10,923	7,041	5,277	11,097	1999	32,708	14,692	7,397	6,136	4,483
1968	42,332	10,871	14,961	5,509	10,991	2000	33,930	15,483	7,998	5,960	4,489
1969	43,018	12,918	12,652	6,361	11,087	2001	34,322	15,709	8,349	5,821	4,443
1970	38,397	9,639	11,996	7,189	9,573	2002	34,608	15,985	8,654	5,680	4,289
1971	34,515	9,738	10,392	5,319	9,066	2003	34,203	15,985	8,381	5,161	4,676
1972	39,150	13,093	10,752	6,803	8,502	2004	35,061	17,068	7,694	5,541	4,758
1973	43,809	17,336	10,729	7,695	8,049	2005	32,629	15,458	6,524	5,796	4,851
1974	42,204	17,581	10,072	7,192	7,359	2006	34,935	18,687	6,080	5,050	5,118
1975	43,071	17,312	10,852	8,403	6,504	2007	34,838	19,867	5,595	4,483	4,893
1976	43,903	18,037	10,531	9,174	6,161	2008	37,847	21,554	5,320	6,306	4,667
1977	42,835	17,476	9,647	9,783	5,929	2009	36,890	21,267	5,472	5,574	4,577
1978	43,907	18,711	10,458	8,796	5,942	2010	38,755	22,186	5,402	6,532	4,635
1979	45,408	17,446	10,562	11,397	6,003	2011	42,371	22,895	8,630	5,905	4,941
1980	43,313	17,118	10,976	9,277	5,942	2012	49,110	22,546	15,066	6,385	5,113
1981	44,141	17,962	10,948	9,070	6,161	2013	49,023	21,718	14,647	7,371	5,287
1982	44,470	17,457	11,880	8,926	6,207	2014	51,045	22,194	15,730	7,817	5,304
1983	44,651	17,466	12,671	7,926	6,588	2/ 2015	46,764	17,832	16,024	7,777	5,131
1984	47,648	19,222	12,960	8,703	6,763						

1/ Exclude personnel afloat or temporary shore-based, but include deployed for Operations Iraqi Freedom, Enduring Freedom, and New Dawn.

2/ Confirmation of Army personnel count requested of Defense Manpower Data Center.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, Historical Military Personnel and Active Duty Military Personnel by Service by Region/Country, Total DOD - September 30 (annual)  
 <[https://www.dmdc.osd.mil/appj/dwp/dwp\\_reports.jsp](https://www.dmdc.osd.mil/appj/dwp/dwp_reports.jsp)> accessed November 24, 2015.

**Table 10.04-- DEPARTMENT OF DEFENSE PERSONNEL  
AND DEPENDENTS: 1989 TO 2015**

[As of September 30. Includes personnel performing civil functions, primarily those associated with the Army Corps of Engineers. Excludes Coast Guard]

Year	Total	Active-duty shore-based military personnel 1/	Dependents of active-duty military personnel 2/	Direct-hire civilian personnel
1989	120,905	45,935	54,724	20,246
1990	113,471	41,887	51,727	19,857
1991	113,076	44,092	50,006	18,978
1992	110,428	44,864	47,671	17,893
1993	105,911	42,958	45,612	17,341
1994	99,188	42,161	39,989	17,038
1995	114,139	38,172	58,788	17,179
1996	111,002	36,392	57,786	16,824
1997	109,762	34,826	57,720	17,216
1998	104,018	34,643	52,643	16,732
1999	100,084	32,708	51,063	16,313
2000	100,826	33,930	50,804	16,092
2001	98,895	34,322	48,617	15,956
2002	98,118	34,608	47,002	16,508
2003	96,925	34,203	46,120	16,602
2004	98,835	35,061	47,198	16,576
2005	102,200	32,629	53,264	16,307
2006	(3/)	34,935	(3/)	17,079
2007	(3/)	34,838	(3/)	16,403
2008	(3/)	37,847	(3/)	17,340
2009	(3/)	36,890	(3/)	18,400
2010	(3/)	38,755	(3/)	(3/)
2011	(3/)	42,371	(3/)	(3/)
2012 3/	133,037	49,110	64,207	19,720
2013 3/	131,295	49,023	63,617	18,655
2014 3/ 4/	133,703	51,045	64,315	18,343
2015 3/ 5/	129,680	46,764	64,119	18,797

1/ Excludes Navy personnel afloat or temporary shore-based, e.g., approximately 6,000 as of September 30, 2006. See elsewhere in Section 10 for personnel data which includes afloat Navy and Marine Corps.

2/ Includes dependents of Hawaii residents stationed out of the State, if those dependents remained in Hawaii.

3/ The DOD report containing number of dependents had not been released beyond FY 2005. Estimates of military dependents by other sources are available in Section 1. The DOD report containing the number of civilians had not been issued since FY2009. As of June 30, 2012 DMDC data is available for similar reporting.

4/ Civilian personnel as of June 30, 2014.

5/ Confirmation of Army Active-duty personnel count requested of Defense Manpower Data Center.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, *Department of Defense Selected Manpower Statistics (annual through 1996); Worldwide Manpower Distribution by Geographical Area, September 30* (annual 1997 to 2005); "Active Duty Military Personnel by Service by Region/Country, Total - DOD September 30" (annual); *Distribution of Personnel by State and by Selected Locations, September 30* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed July 13, 2010; "Total Military Personnel and Dependent End Strength By Service, Regional Area, and Country" and "Total Civilian Personnel and Dependent End Strength By Service, Regional Area, and Country" (annual, as of September 30) <<https://www.dmdc.osd.mil/>> accessed November 24, 2015.

**Table 10.05-- DEPARTMENT OF DEFENSE PERSONNEL, BY SELECTED LOCATION:  
SEPTEMBER 30, 2009**

Installation or geographic area	Total personnel	Military personnel 1/					Civilian personnel				
		Total	Army	Navy	Marines	Air Force	Total	Army 2/	Navy/ Marine	Air Force	Other defense agencies
State total	59,274	40,874	22,435	7,616	6,026	4,797	18,400	5,532	9,605	2,188	1,075
Aiea	428	329	3	323	-	3	99	-	89	-	10
Barbers Point NAS	187	66	1	64	-	1	121	3	28	26	64
Camp H.M. Smith	1,457	1,080	-	-	853	227	377	-	343	27	7
Ford Island	486	314	19	295	-	-	172	1	101	-	70
Fort Shafter	1,302	36	32	-	-	4	1,266	1,248	-	1	17
Hickam AFB	6,369	4,262	1	9	35	4,217	2,107	2	99	1,880	126
Honolulu	22,768	21,738	21,627	70	-	41	1,030	194	720	14	102
Kaneohe	6,423	5,729	6	796	4,926	1	694	-	622	-	72
Kauai Island	217	73	-	73	-	-	144	1	141	-	2
Kunia	1,851	1,734	1	1,597	135	1	117	43	72	2	-
Oahu Island	237	37	-	37	-	-	200	194	6	-	-
Pearl City	366	9	6	2	-	1	357	38	319	-	-
Pearl Harbor	6,700	3,854	1	3,696	75	82	2,846	3	2,406	-	437
Schofield Barracks	1,838	591	591	-	-	-	1,247	1,109	-	-	138
Tripler Army Med. Ctr.	2,043	18	-	15	-	3	2,025	2,015	10	-	-
Wahiawa	796	663	28	635	-	-	133	11	108	-	14
Wheeler AFB/Army Fld	722	173	1	-	-	172	549	421	-	112	16
Other	5,084	168	118	4	2	44	4,916	249	4,541	126	-

1/ Active duty. In some instances, the military departments, Army, Navy, and Air Force, report personnel by parent installation rather than their operating location and personnel on temporary duty (TDY) may be reported at their assigned location. Navy/Marine Corps includes military shore-based personnel and temporary shore-based personnel and beginning with FY 2005 state locations also include those personnel in an afloat duty status. There are approximately 6,000 personnel afloat for Hawaii.

2/ Direct hire civilian personnel include employees involved in civil functions in the Army Corps of Engineers and Army cemetery employees.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, Distribution of Personnel by State and by Selected Locations (M2), September 30, 2009, "DoD Military and Civilian Personnel by State - September 30, 2009"

<<http://siadapp.dmdc.osd.mil/personnel/M02/fy09/09top.htm>> accessed October 5, 2010.

**Table 10.06-- DEPARTMENT OF DEFENSE EXPENDITURES FOR THE UNITED STATES, BY STATE: 2009**

[In thousands of dollars. For fiscal year ending September 30]

State	Total expenditures	Total payroll outlays	Civilian pay	Military active duty pay	Reserve & National Guard pay	Retired military pay	Total contracts 1/	Grants
U. S. total	527,824,146	195,170,178	49,735,662	84,459,939	22,758,996	38,215,581	327,461,911	5,192,057
Hawaii	8,800,669	6,344,467	1,163,627	4,529,364	315,642	335,834	2,377,271	78,931
Hawaii as % of U.S.	1.7	3.3	2.3	5.4	1.4	0.9	0.7	1.5
Alabama	14,291,629	4,723,956	1,808,239	1,254,790	617,055	1,043,872	9,501,617	66,056
Alaska	4,888,348	2,659,561	321,206	2,077,719	90,592	170,044	2,180,004	48,783
Arizona	15,308,486	3,137,634	626,966	1,262,572	180,724	1,067,372	12,064,904	105,948
Arkansas	2,673,622	1,621,707	235,881	435,036	518,376	432,414	985,545	66,370
California	56,742,620	14,568,458	4,570,024	5,182,809	1,391,094	3,424,531	41,697,621	476,541
Colorado	10,725,693	5,125,122	786,177	2,965,503	285,229	1,088,213	5,544,160	56,411
Connecticut	12,638,248	720,299	184,190	198,163	149,873	188,073	11,817,700	100,249
Delaware	876,158	536,758	98,410	216,219	74,623	147,506	315,358	24,042
District of Columbia	8,406,175	3,599,245	1,508,947	1,906,999	124,189	59,110	4,740,563	66,367
Florida	22,802,179	9,417,919	1,942,655	2,816,465	826,134	3,832,665	13,188,889	195,371
Georgia	18,607,996	11,494,647	2,288,362	6,668,434	868,244	1,669,607	7,039,405	73,944
<b>Hawaii</b>	<b>8,800,669</b>	<b>6,344,467</b>	<b>1,163,627</b>	<b>4,529,364</b>	<b>315,642</b>	<b>335,834</b>	<b>2,377,271</b>	<b>78,931</b>
Idaho	934,634	709,220	100,861	261,607	116,236	230,516	166,118	59,296
Illinois	9,237,211	3,128,538	1,069,790	738,269	680,329	640,150	5,936,547	172,126
Indiana	9,188,013	2,338,121	705,646	350,647	905,556	376,272	6,795,168	54,724
Iowa	2,089,452	747,256	102,185	140,071	321,928	183,072	1,285,344	56,852
Kansas	6,867,835	3,667,675	471,455	2,465,253	334,444	396,523	3,158,303	41,857
Kentucky	12,285,425	5,680,752	508,305	4,339,243	391,231	441,973	6,534,291	70,382
Louisiana	9,149,589	2,688,149	414,120	1,417,143	410,608	446,278	6,407,579	53,861
Maine	2,382,017	846,681	440,345	113,348	87,175	205,813	1,407,038	128,298
Maryland	19,926,029	6,537,841	2,995,038	2,012,820	421,636	1,108,347	12,911,613	476,575
Massachusetts	15,081,759	1,490,630	539,474	319,863	312,302	318,991	13,347,134	243,995
Michigan	7,288,503	1,826,987	705,769	263,638	437,538	420,042	5,331,864	129,652

Continued on next page.

**Table 10.06-- DEPARTMENT OF DEFENSE EXPENDITURES FOR THE UNITED STATES,  
BY STATE: 2009 -- Con.**

State	Total expenditures	Total payroll outlays	Civilian pay	Military active duty pay	Reserve & National Guard pay	Retired military pay	Total contracts 1/	Grants
Minnesota	2,806,926	1,208,062	177,452	206,036	557,666	266,908	1,529,964	68,900
Mississippi	5,689,655	2,224,346	585,976	629,352	558,821	450,197	3,447,072	18,237
Missouri	14,281,251	3,786,836	586,610	1,310,799	1,268,807	620,620	10,453,949	40,466
Montana	853,639	540,644	91,395	187,506	110,398	151,345	288,759	24,236
Nebraska	2,142,336	1,151,981	250,642	434,949	198,307	268,083	931,306	59,049
Nevada	3,268,456	1,414,606	143,070	600,019	151,343	520,174	1,818,505	35,345
New Hampshire	2,014,350	410,882	74,277	73,429	78,753	184,423	1,567,821	35,647
New Jersey	11,019,807	2,671,220	1,290,072	543,053	507,311	330,784	8,226,697	121,890
New Mexico	3,270,536	1,626,461	483,878	571,288	148,491	422,804	1,604,488	39,587
New York	13,562,174	4,818,679	784,658	2,701,191	782,279	550,551	8,544,864	198,631
North Carolina	14,677,953	10,558,150	1,210,521	7,012,462	729,587	1,605,580	3,994,861	124,942
North Dakota	1,100,340	630,939	108,116	335,954	110,138	76,731	437,227	32,174
Ohio	10,256,353	3,834,470	1,824,865	640,496	609,867	759,242	6,249,462	172,421
Oklahoma	7,103,675	4,099,633	1,339,260	1,678,570	496,151	585,652	2,880,203	123,839
Oregon	2,695,604	1,051,047	231,630	140,868	300,719	377,830	1,545,991	98,566
Pennsylvania	16,789,144	4,210,386	1,788,532	574,034	1,011,822	835,998	12,362,728	216,030
Rhode Island	1,431,162	743,035	391,187	120,400	117,397	114,051	661,794	26,333
South Carolina	9,020,997	3,682,987	638,047	1,530,304	485,464	1,029,172	5,298,645	39,365
South Dakota	1,026,194	513,643	76,881	198,438	115,571	122,753	444,618	67,933
Tennessee	5,362,492	2,235,302	476,959	282,250	572,830	903,263	3,083,056	44,134
Texas	42,082,905	19,298,889	2,917,913	11,128,462	1,520,699	3,731,815	22,483,566	300,450
Utah	4,361,476	2,115,968	954,215	431,738	448,935	281,080	2,206,025	39,483
Vermont	828,433	261,505	44,921	64,177	92,561	59,846	549,931	16,997
Virginia	56,933,799	18,071,415	7,447,686	6,214,491	603,453	3,805,785	38,731,568	130,816
Washington	13,524,233	8,223,735	1,873,338	4,407,343	563,322	1,379,732	5,173,959	126,539
West Virginia	1,063,251	616,823	126,119	106,870	216,627	167,207	396,440	49,988
Wisconsin	8,898,053	1,151,891	160,743	222,262	470,144	298,742	7,673,970	72,192
Wyoming	566,662	405,020	69,027	177,223	70,775	87,995	140,406	21,236

1/ Prime contracts are generally reported at the location where the work is performed. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted.

Source: U.S. Department of Defense, Defense Manpower Data Center, Directorate for Information, Operations and Reports, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year 2009*  
<<http://siadapp.dmdc.osd.mil/personnel/L03/fy09/09top.htm>> accessed June 4, 2010.

**Table 10.07-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,  
PAYROLL, AND PRIME CONTRACT AWARDS: 2009**

[In persons and thousands of dollars. For fiscal year ending September 30]

<b>Personnel or expenditure</b>	<b>Total</b>	<b>Army</b>	<b>Navy &amp; Marine Corps</b>	<b>Air Force</b>	<b>Other defense activities</b>
Total personnel 1/	68,550	33,382	24,063	10,030	1,075
Active duty military	40,874	22,435	13,642	4,797	-
Civilian	18,400	5,532	9,605	2,188	1,075
Reserve & National Guard	9,276	5,415	816	3,045	-
Total expenditures	8,800,669	4,882,236	2,590,293	938,340	389,800
Payroll outlays	6,344,467	4,057,597	1,574,230	660,608	52,032
Active duty military	4,529,364	3,325,623	799,767	403,974	-
Civilian	1,163,627	333,230	636,931	141,434	52,032
Reserve & National Guard	315,642	289,163	5,532	20,947	-
Retired military	335,834	109,581	132,000	94,253	-
Contracts 2/	2,377,271	789,207	991,132	269,204	327,728
Supply & equipment	423,610	97,095	53,807	17,381	255,327
RDT & E 3/	96,892	9,033	56,321	26,685	4,853
Service	1,398,698	560,654	569,918	200,599	67,527
Construction	458,071	122,425	311,086	24,539	21
Grants	78,931	35,432	24,931	8,528	10,040

**Top Ten Contractors receiving the largest dollar volume of prime contract awards**

<b>Contractor name</b>	<b>Amount</b>	<b>Contractor name</b>	<b>Amount</b>
Tesoro Petroleum Corporation	189,367	Hawaiian Electric Industries, Inc.	69,194
BAE Systems PLC	150,400	Science Applications International	59,148
Watts Constructors, LLC	81,080	Manu Kai, LLC	52,104
Nan. Inc.	79,026	Su-Mo Builders, Inc.	42,826
Hawaiian Dredging Construction	72,676	J & J Maintenance, Inc.	41,779

Continued on next page.

**Table 10.07-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,  
PAYROLL, AND PRIME CONTRACT AWARDS: 2009 -- Con.**

<b>Major locations of expenditures</b>	<b>Total</b>	<b>Payroll outlays</b>	<b>Grants and contracts</b>
Honolulu	3,577,939	3,355,323	222,616
Hickam Air Force Base	641,057	478,043	163,014
Pearl Harbor	629,944	576,290	53,654
Kaneohe	329,871	329,739	132
Schofield Barracks	326,687	182,982	143,705
Fort Shafter	230,353	182,789	47,564
Pearl Harbor NS	205,065	-	205,065
Tripler Army Medical Center	196,540	113,855	82,685
Kapolei	190,715	-	190,715
Pearl Harbor Naval Shipyard	139,325	-	139,325
<b>Major locations of personnel 1/</b>	<b>Total military &amp; civilian</b>	<b>Active duty military</b>	<b>Civilian</b>
Honolulu	22,768	21,738	1,030
Pearl Harbor	6,700	3,854	2,846
Kaneohe	6,423	5,729	694
Hickam Air Force Base	6,369	4,262	2,107
Tripler Army Medical Center	2,043	18	2,025
Kunia	1,851	1,734	117
Schofield Barracks	1,838	591	1,247
Camp H.M. Smith	1,457	1,080	377
Fort Shafter	1,302	36	1,266
Wahiawa	796	663	133

1/ Beginning with FY 2005, afloat Navy and Marine Corps are included in personnel counts.

2/ Prime contracts are generally reported at the location where the work is performed.

Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. Prior to FY 2005, procurement data were only reported for contract awards exceeding \$25,000. As of FY 2005, all awards are included. As of FY 2007, DOD transitioned from the Defense Contract Action Data System (DCADS) used for FY 2006 and prior contract data, to the Federal Procurement Data System - Next Generation (FPDS – NG), which was used to obtain contract data from FY07 onward. Discrete reporting of Civil Functions contracts has been discontinued because these contracts are no longer identified in FPDS – NG as a separate contract type.

3/ RDT&E Research, Development, Test, and Evaluation.

Source: U.S. Department of Defense, Defense Manpower Data Center, Directorate for Information, Operations and Reports, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year 2009*

<<http://siadapp.dmdc.osd.mil/personnel/L03/fy09/09top.htm>> accessed June 4, 2010.

**Table 10.08-- DEPARTMENT OF DEFENSE SUMMARY OF SPENDING, PERSONNEL, PAYROLL, AND PRIME CONTRACT AWARDS: 2013**

[In persons and billions of dollars, unless otherwise indicated. For fiscal year ending September 30]

Spending or personnel	Total	Honolulu	Hawaii	Maui 1/	Kauai
Total spending 2/	8.1	6.9	0.3	0.2	0.2
Total defense personnel 2/	77,257	68,378	628	550	263
Value of contract awards performed	Total	Army	Navy & Marines	Air Force	Other defense
2006	1.8	(NA)	(NA)	(NA)	(NA)
2007	2.1	(NA)	(NA)	(NA)	(NA)
2008	2.1	(NA)	(NA)	(NA)	(NA)
2009	2.3	(NA)	(NA)	(NA)	(NA)
2010	2.4	(NA)	(NA)	(NA)	(NA)
2011	2.6	(NA)	(NA)	(NA)	(NA)
2012	2.6	(NA)	(NA)	(NA)	(NA)
2013	2.5	(NA)	(NA)	(NA)	(NA)
Percent of 2013 total	100	33	50	4	13
Personnel or spending	Total	Active duty	Civilian	Reserve & National Guard	
Total defense personnel	77,257	49,444	18,542	9,271	
Percent	100	64	24	12	
Total payroll 3/	5.6	(NA)	(NA)	(NA)	
Contracts (in percent)	100	(NA)	(NA)	(NA)	
Supply & equipment (in percent)	13	(NA)	(NA)	(NA)	
Research & dev. (in percent)	5	(NA)	(NA)	(NA)	
Service (in percent)	63	(NA)	(NA)	(NA)	
Construction (in percent)	20	(NA)	(NA)	(NA)	

**Contractors receiving largest value of prime contract awards (\$ million)**

Contractor name	Amount	Contractor name	Amount
BAE Systems Hawaii Shipyards	176.1	Nan, Inc.	88.2
BAE Systems	151.5	Manu Kai	60.9
URS	127.2	Pelatron	49.7
Tesoro	114.2	dck-ecc pacific	41.5
Aqua Engineers	101.7	Environet	40.3

NA Not available.

1/ Includes Kalawao.

2/ Total includes spending and personnel not identified by county.

3/ Active duty payroll includes all uniformed services: Army, Navy/Marines, Air Force, Coast Guard, National Oceanic & Atmospheric Administration (NOAA) & Public Health Service.

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State Fiscal Year 2013" <<https://www.oea.gov/library/directory/general/fy-13-defense-spending-by-state-report/download>> accessed June 17, 2015.

**Table 10.09-- DEPARTMENT OF DEFENSE SUMMARY OF SPENDING, PERSONNEL, PAYROLL, AND PRIME CONTRACT AWARDS: 2014**

[In persons and billions of dollars, unless otherwise indicated. For fiscal year ending September 30]

Spending or personnel	Total	Honolulu	Hawaii	Maui 1/	Kauai
Total spending 2/	7.6	6.7	0.1	0.1	0.1
Total defense personnel 2/	77,163	67,354	615	597	249
Value of contract awards performed	Total	Army	Navy & Marines	Air Force	Other defense
2007	2.1	(NA)	(NA)	(NA)	(NA)
2008	2.1	(NA)	(NA)	(NA)	(NA)
2009	2.3	(NA)	(NA)	(NA)	(NA)
2010	2.4	(NA)	(NA)	(NA)	(NA)
2011	2.5	(NA)	(NA)	(NA)	(NA)
2012	2.5	(NA)	(NA)	(NA)	(NA)
2013	2.4	(NA)	(NA)	(NA)	(NA)
2014	2.0	(NA)	(NA)	(NA)	(NA)
Percent of 2014 total	100	37	44	4	15
Personnel or spending	Total	Active duty	Civilian	Reserve & National Guard	
Total personnel	77,163	(NA)	(NA)	(NA)	
Percent	100	64	24	12	
Total payroll 3/	5.6	(NA)	(NA)	(NA)	
Contracts (in percent)	100	(NA)	(NA)	(NA)	
Supply & equipment (in percent)	14	(NA)	(NA)	(NA)	
Research & dev. (in percent)	5	(NA)	(NA)	(NA)	
Service (in percent)	64	(NA)	(NA)	(NA)	
Construction (in percent)	18	(NA)	(NA)	(NA)	
Contractors receiving largest value of prime contract awards (\$ million)					
Contractor name	Amount	Contractor name	Amount		
BAE Systems	136.7	Pelatron	35.9		
Tesoro	66.8	dck-ecc pacific	35.7		
Nan, Inc.	62.5	Absher Construction	35.7		
Manu Kai	58.8	Performance Systems, Inc.	35.3		
J & J Maintenance	36.3	Y. Hata	26.2		

NA Not available.

1/ Includes Kalawao.

2/ Total includes personnel and spending not identified by county.

3/ Active duty payroll includes Army, Navy/Marines, Air Force. The FY2013 report included all uniformed services: Army, Navy/Marines, Air Force, Coast Guard, National Oceanic & Atmospheric Administration (NOAA) & Public Health Service.

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State Fiscal Year 2014 <<https://www.oea.gov/fy-14-defense-spending-by-state-report/download>> accessed September 28, 2015.

**Table 10.10-- MILITARY PRIME CONTRACT AWARDS, BY TYPE:  
1982 TO 2009**

[Prime contracts are generally reported at the location where the work is performed.  
In thousands of dollars. Fiscal years ending September 30]

Year	Total contracts 1/	Supply & equipment	RDT & E 2/	Service	Construction	Civil functions
1982	526,143	302,754	6,132	178,776	23,716	14,765
1983	638,975	299,980	9,812	266,583	38,708	23,892
1984	536,735	152,802	6,461	273,025	84,041	20,406
1985	626,153	164,785	10,697	311,800	129,602	9,269
1986	562,843	209,488	2,899	272,114	77,488	854
1987	461,449	20,608	8,722	353,911	71,020	7,188
1988	540,991	94,954	19,753	349,591	69,819	6,874
1989	578,733	61,147	16,639	402,465	90,464	8,018
1990	511,893	92,103	13,033	382,667	22,416	1,674
1991	697,127	85,019	8,448	438,969	163,462	1,229
1992	622,728	94,107	12,299	436,322	73,971	6,029
1993	631,021	87,337	14,526	450,026	71,841	7,291
1994	803,297	51,341	15,454	485,515	249,301	1,686
1995	673,641	74,468	14,634	441,001	136,734	6,804
1996	928,480	71,478	21,348	648,821	175,682	11,151
1997	957,354	87,353	24,698	607,753	228,980	8,570
1998	889,608	88,894	30,907	629,248	134,174	6,385
1999	984,849	127,356	23,762	669,912	161,327	2,492
2000	1,159,581	159,479	54,837	715,981	228,056	1,228
2001	1,307,383	166,011	60,444	770,412	307,504	3,012
2002	1,433,119	267,334	71,978	821,447	265,575	6,785
2003	1,807,956	487,571	121,356	917,498	275,269	6,262
2004	1,713,912	464,161	122,652	814,829	304,292	7,978
2005	1,990,800	620,449	143,736	971,889	253,496	1,230
2006	1,963,468	595,194	80,839	1,074,491	210,392	2,552
2007	2,158,038	379,521	104,122	1,260,315	414,080	(3/)
2008	2,258,591	437,344	67,840	1,222,919	530,488	(3/)
2009	2,377,271	423,610	96,892	1,398,698	458,071	(3/)

1/ Prime contracts are generally reported at the location where the work is performed.

Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. For FY 1982-83 procurement contracts greater than \$10,000 were reported. For FY 1984 to 2004, only reported for awards exceeding \$25,000. As of FY 2005, all awards are included. As of FY 2007, DOD transitioned from the Defense Contract Action Data System (DCADS) used for FY 2006 and prior contract data, to the Federal Procurement Data System - Next Generation (FPDS – NG), which was used to obtain contract data from FY07 onward.

2/ RDT&E Research, Development, Test, and Evaluation.

3/ Discrete reporting of Civil Functions contracts has been discontinued because these contracts are no longer identified in FPDS – NG as a separate contract type.

Source: U.S. Department of Defense, Defense Management Data Center, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year* (annual) and <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed October 6, 2010.

**Table 10.11-- DEFENSE-RELATED APPROPRIATIONS BILL  
SELECTED HAWAII-RELATED INITIATIVES: 2010**

[In millions of dollars. For fiscal year ending September 30. The Bill was signed into law  
(Public Law 111-118) by President Barack Obama on December 19, 2009]

Subject	Amount
Total	199.45
Oahu/Statewide	118.17
AKAMAI/Hawaii Federal Health Care Network	23.00
Hawaii Technology Development Venture	10.00
Center of Excellence for Research in Ocean Sciences (CEROS)	8.00
Joint Venture Education Program	5.50
U.S.S. Memorial Ass'n for costs associated with drydock and repair of U.S.S. Missouri	5.00
Standoff Improvised Explosive Device Detection Program	4.80
Low-Earth orbit nanosatellite integrated defense	4.75
Warfighter rapid awareness processing technologies (WRAPT)	4.50
Pearl Harbor Navy Shipyard equipment modernization	4.20
Army conservation and ecosystem management	4.00
Intelligent decision exploration	3.90
Hawaii Microalgae BioFuel Project	3.52
Reconnaissance and data exploitation (REX) system	3.50
Military applications for medical grade chitosan	3.00
Hawaii National Guard counterdrug	3.00
Mobile Modular Command Center (M2C2)	2.80
Marine Air Ground Task Force	2.70
Autonomous unmanned surface vehicle (AUSV)	2.70
Eagle Vision for the Hawaii Air National Guard	2.40
Immersive group simulation virtual training system	2.30
Captive air amphibious transporter (CAAT)	2.20
Detection, tracking, and identification for ISRTE of mobile and asymmetric targets	2.00
Undersea Special Warfare Engineering Support Office	2.00
4-D data fusion visualization	1.60
Hawaiian Range Complex	1.60
Managing and extending DoD asset lifecycles	1.60
Covert sensing and tagging system	1.20
Mobile localization (M-LOC)	1.20
Virtual onboard analyst for multi-sensor mine detection	1.20
Maui	51.50
Maui space surveillance system operations and research	19.50
PanSTARRS telescope system	9.50
Applications of LIDAR to vehicles with analysis	6.00
High Accuracy Network Determination System-Intelligent Optical Network for Space Situational Awareness (HANDS-IONS)	5.00
Multiple-target-tracking optical sensor-array technology (MOST)	4.00
Real-time optical surveillance applications	3.50
Hawaii advanced laboratory for information integration (HALI'I)	2.00
FLASH hyper-dimensional imaging for near space	2.00

Continued on next page.

**Table 10.11-- DEFENSE-RELATED APPROPRIATIONS BILL  
SELECTED HAWAII-RELATED INITIATIVES: 2010 -- Con.**

Subject	Amount
Kauai	29.78
Pacific airborne surveillance and testing	17.00
Strategic materials	5.00
Pacific Region interoperability test and evaluation	3.30
Pacific data conversion and technology program	2.00
Hawaii National Guard Integrated Information Command	1.28
Maritime Directed Energy Test and Evaluation Center	1.20
Addendum: Competitive funding initiatives of benefit to, but not included in totals for, Hawaii	141.20
Test and training range upgrades	20.50
Applied alternative energy research	55.20
Environmental restoration and unexploded ordnance removal	32.50
Readiness and environmental protection initiative	18.00
National Guard Youth Challenge	15.00

Source: U.S. Senator Daniel K. Inouye Press Release "Senate Approves \$199 Million for Defense Projects in Hawaii" (December 9, 2009) <<http://inouye.senate.gov/Press/121909pr01.cfm>> accessed December 10, 2009.

**Table 10.12-- MILITARY CONSTRUCTION PROJECTS IN HAWAII: 2016 AND 2017**

[For fiscal year ending September 30. Authorization amount in thousands of dollars]

Year, branch and location	Facility category title	Construction project title	Amount
TOTAL 2016			444,031
Navy			152,122
Barking Sands	Electric Power Transmission & Dist Lines	PMRF Power Grid Consolidation	30,623
Kaneohe Bay	Airfield Pavement Lighting	Airfield Lighting Modernization	26,097
Kaneohe Bay	Enlisted Personnel Unaccompanied Personnel	Bachelor Enlisted Quarters	68,092
Kaneohe Bay	Other Airfield Pavements	P-8A Detachment Support Facilities	12,429
Joint Base Pearl Harbor-Hickam	Training Buildings	Welding School Shop Consolidation	8,546
Joint Base Pearl Harbor-Hickam	Electric Power Transmission & Dist Lines	UEM Interconnect Sta C to Hickam	6,335
Air Force			46,000
Joint Base Pearl Harbor-Hickam	Airfield Operational Buildings	F-22 Fighter Alert Facility	46,000
Defense Health Agency			245,909
Kaneohe Bay	Dental Clinics	Medical/Dental Clinic Replacement	122,071
Schofield Barracks	Dispensaries & Clinics	Behavioral Health/Dental Clinic Addition	123,838
TOTAL 2017			197,949
Army			71,000
Fort Shafter	Airfield Operational Buildings	Command and Control Facility, Incr 2	40,000
Hilo	Tank and Automotive Maintenance Facilities	Combined Support Maintenance Shop	31,000
Navy			115,949
Barking Sands	Electric Power Source	Upgrade Power Plant & Electrical Distrib Sys	43,384
Kaneohe Bay	Electronic & Comm. Equip. Maint. Facilities	Regimental Consolidated Comm/Elec Facility	72,565
Air Force			11,000
Joint Base Pearl Harbor-Hickam	Aircraft Maintenance Facilities	F-22 Composite Repair Facility	11,000

Source: U.S. Department of Defense, Office of the Under Secretary of Defense (Comptroller) Defense Budget Materials - FY2016, Military Construction, Family Housing, and Base Realignment and Closure Program (C-1) <<http://comptroller.defense.gov/budgetmaterials/budget2016.aspx>> accessed April 13, 2015 ; and Ibid. FY2017 <<http://comptroller.defense.gov/budgetmaterials/budget2017.aspx>> accessed February 2, 2016.

**Table 10.13-- DEPARTMENT OF DEFENSE MILITARY PERSONNEL AND DEPENDENTS, BY SERVICE: 2006 TO 2015**

[As of September 30]

Category	All services	Army	Navy	Marine Corps	Air Force
Military personnel 1/ 2/					
2006	34,935	18,687	6,080	5,050	5,118
2007	34,838	19,867	5,595	4,483	4,893
2008	37,847	21,554	5,320	6,306	4,667
2009	36,890	21,267	5,472	5,574	4,577
2010	38,755	22,186	5,402	6,532	4,635
2011	42,371	22,895	8,630	5,905	4,941
2012					
Total military and dependents 2/	113,317	(NA)	(NA)	(NA)	(NA)
Military personnel 1/	49,110	22,546	15,066	6,385	5,113
Family members 3/	64,207	(NA)	(NA)	(NA)	(NA)
2013					
Total military and dependents 2/	112,640	(NA)	(NA)	(NA)	(NA)
Military personnel 1/	49,023	21,718	14,647	7,371	5,287
Family members 3/	63,617	(NA)	(NA)	(NA)	(NA)
2014					
Total military and dependents 2/	115,360	(NA)	(NA)	(NA)	(NA)
Military personnel 1/	51,045	22,194	15,730	7,817	5,304
Family members 3/	64,315	(NA)	(NA)	(NA)	(NA)
2015					
Total military and dependents 2/	110,883	(NA)	(NA)	(NA)	(NA)
Military personnel 1/ 4/	46,764	17,832	16,024	7,777	5,131
Family members 3/	64,119	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Active duty. Excludes Coast Guard and personnel afloat or temporary shore-based. See elsewhere in Section 10 for personnel data which includes afloat Navy and Marine Corps.

2/ The DOD report containing number of dependents had not been released beyond FY 2005. Estimates of military dependents by other sources are available in Section 1. The DOD report containing the number of civilians had not been issued since FY2009. As of June 30, 2012 DMDC data is available for similar reporting.

3/ Includes dependents of Hawaii residents stationed out of the State, if those dependents remained in Hawaii.

4/ Confirmation of Army personnel count requested of Defense Manpower Data Center.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, "Active Duty Military Personnel by Service by Region/Country, Total - DOD September 30" (annual); *Worldwide Manpower Distribution by Geographical Area, September 30* (annual through 2005) <<http://siadapp.dior.whs.mil/personnel/Pubs.htm>> accessed May 31, 2006; *Distribution of Personnel by State and by Selected Locations, September 30* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed July 13, 2010; "Total Military Personnel and Dependent End Strength By Service, Regional Area, and Country" (annual) <<https://www.dmdc.osd.mil/appj/dwp/reports.do?category=reports&subCat=milActDutReg>> accessed November 24, 2015.

**Table 10.14-- DEPARTMENT OF DEFENSE CIVILIAN PERSONNEL,  
BY SERVICE: 1990 TO 2015**

[As of September 30. Includes personnel performing military functions, those activities associated with the uniformed services. Personnel are U.S. citizens and are direct-hires unless otherwise noted. Excludes civilian personnel of the Coast Guard]

Year	All services	Army	Navy & Marine Corps	Air Force	Other defense activities
1990	19,857	5,548	11,951	2,244	114
1991	18,978	5,148	11,423	2,199	208
1992	17,893	4,933	10,886	1,431	643
1993	17,341	4,839	10,198	1,398	906
1994	17,038	4,647	9,923	1,371	1,097
1995	17,179	4,820	10,014	1,323	1,022
1996	16,824	4,936	9,564	1,275	1,049
1997	17,216	4,779	9,361	1,951	1,125
1998	16,028	4,437	9,237	1,269	1,085
1999	16,318	4,293	8,864	2,026	1,135
2000	16,723	4,471	8,999	2,074	1,179
2001	16,699	4,455	9,068	2,098	1,078
2002	16,508	4,441	8,925	2,075	1,067
2003	16,602	4,304	9,293	1,961	1,044
2004	16,576	4,302	9,230	1,966	1,078
2005	16,307	4,320	9,075	1,980	932
2006 1/	17,079	4,750	9,130	2,109	1,090
2007	16,403	4,662	8,922	2,042	777
2008	17,340	5,053	9,225	2,069	993
2009	18,400	5,532	9,605	2,188	1,075
2010 2/	(NA)	(NA)	(NA)	(NA)	(NA)
2011 2/	(NA)	(NA)	(NA)	(NA)	(NA)
2012 2/	19,720	(NA)	(NA)	(NA)	(NA)
2013 2/	18,655	(NA)	(NA)	(NA)	(NA)
2014 2/	18,343	(NA)	(NA)	(NA)	(NA)
2015 2/	18,797	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ No change in data but merely in source. The *Atlas* has been substituted for the *Distribution of Personnel by State and by Selected Locations, September 30, 2006*.

2/ The DOD report containing the number of civilians had not been issued since FY2009. As of June 30, 2012 DMDC data is available for similar reporting.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division (formerly the Directorate for Information Operations and Reports), *Atlas/Data Abstract for the US and Selected Areas* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010; *Worldwide Manpower Distribution by Geographical Area* (annual) <<http://siadapp.dior.whs.mil/personnel/MMIDHOME.HTM>> accessed June 22, 2006; and "Total Military Personnel and Dependent End Strength By Service, Regional Area, and Country" (annual) <<https://www.dmdc.osd.mil/appj/dwp/reports.do?category=reports&subCat=milActDutReg>> accessed November 24, 2015.

**Table 10.15 -- IMPACT OF A \$1 BILLION MILITARY EXPENDITURE: 2015**

[Based on inter-industry relationships in 2012. Include direct, indirect, and induced impacts.  
Industries sorted for greatest output impact]

<b>Industry sector</b>	<b>Output (in millions of dollars)</b>	<b>Labor income (in millions of dollars)</b>	<b>Jobs (number)</b>
Total	1,702.8	936.6	11,842
Federal Government	820.0	670.1	6,505
Real estate and rentals	158.9	14.2	363
Other manufacturing	119.1	7.9	128
Health services	92.9	47.1	778
Mining and construction	62.2	25.2	298
Retail trade	57.1	19.8	571
Professional services	50.9	26.9	393
Business services	47.5	28.0	717
Wholesale trade	43.7	10.6	155
Finance and insurance	43.4	11.7	230
Other services	34.1	16.5	405
Utilities	32.7	4.4	32
Eating and drinking	28.7	10.6	377
Information	24.3	6.7	87
Transportation	22.8	7.2	131
State and local government	17.6	12.2	171
Food processing	11.8	2.2	55
Accommodation	11.7	3.7	60
Educational services	10.9	6.9	170
Agriculture	6.9	2.3	107
Arts and entertainment	5.4	2.3	108

Source: Hawaii State Department of Business, Economic Development & Tourism based on Hawaii State Department of Business, Economic Development & Tourism, *2012 State Input-Output Study* (March 2016) <[http://dbedt.hawaii.gov/economic/reports\\_studies/2012-io/](http://dbedt.hawaii.gov/economic/reports_studies/2012-io/)>.

**Table 10.16-- FEDERAL EXPENDITURES FOR ARMY AND AIR  
NATIONAL GUARD: 2014**

[In dollars. For fiscal year ending September 30]

Category	Army	Air
Total Federal support	192,137,376	139,086,187
Total funds allotted to U.S. Property & Fiscal Office	151,328,795	69,099,639
National Guard personnel appropriations		
Military pay, transportation, and travel	1,709,884	3,769,390
Military uniform	146,803	61,108
Subsistence	111,396	1,011,000
Oper. and maint., military constr. approp.		
Civilian pay	76,458,700	24,761,861
Transportation and travel	-	108,300
Personnel deployments	1,037,260	2,266,389
Equip., supplies & services operations & maint.		
Equipment supplies	347,100	3,243,822
Supplies	4,084,702	4,786,544
Depot level reparables	176,136	-
Aviation fuel 1/	52,369,734	1,118,060
Other operating supplies & service	1,313,830	2,340,165
Major construction	-	-
Architectural and engineering services	-	-
Minor construction/major repairs	7,330,273	-
Operations & maintenance agreements	6,242,977	25,633,000
Total funds provided by National Guard Bureau	40,808,581	69,986,547
Annual training pay	3,009,027	5,143,972
Other active duty pay	4,432,614	16,642,928
Inactive duty training pay	14,431,797	11,770,535
Basic training pay	1,184,778	557,500
Active Guard Reserve pay	17,750,365	35,871,612

1/ "Aviation fuel" for Air appears to be missing a digit, DBEDT tentatively calculated as residual. Clarification requested from DoD.

Source: Hawaii Department of Defense, *Annual Report Fiscal Year 2014*  
<<http://dod.hawaii.gov/department-info/annual-reports/>> accessed June 27, 2015.

**Table 10.17-- ARMY AND AIR NATIONAL GUARD STRENGTH: 1980 TO 2014**

[Strength as of September 30 for 1980 through 2002 and June 30 for 2003 and beyond]

Year	Actual strength			Authorized strength		
	Total	Army National Guard	Air National Guard	Total	Army National Guard	Air National Guard
1980	5,378	3,468	1,910	6,090	4,053	2,037
1981	5,338	3,395	1,943	6,216	4,181	2,035
1982	5,720	3,698	2,022	6,238	4,201	2,037
1983	5,799	3,768	2,031	6,127	4,012	2,115
1984	5,866	3,793	2,073	6,207	3,992	2,215
1985	6,096	3,869	2,227	6,227	4,005	2,222
1986	5,882	3,685	2,197	6,250	4,016	2,234
1987	5,848	3,654	2,194	6,517	4,237	2,280
1988	5,832	3,658	2,174	6,461	4,160	2,301
1989	5,810	3,641	2,169	6,505	4,154	2,351
1990	5,702	3,579	2,123	6,469	4,237	2,232
1991	5,635	3,547	2,088	6,473	4,252	2,221
1992	5,665	3,500	2,165	6,480	4,258	2,222
1993	5,689	3,430	2,259	6,490	4,056	2,434
1994	5,689	3,430	2,259	6,490	4,056	2,434
1995	6,078	3,744	2,334	7,061	4,462	2,599
1996	5,381	2,995	2,386	6,025	3,564	2,461
1997	5,511	3,120	2,391	6,047	3,543	2,504
1998	5,475	3,053	2,422	6,047	3,543	2,504
1999	5,475	3,053	2,422	6,047	3,543	2,504
Year	Total assigned strength		Army National Guard	Air National Guard		
2000	5,415		3,010	2,405		
2001	5,383		2,978	2,405		
2002	5,334		2,914	2,420		
2003	5,233		3,009	2,224		
2004	5,233		3,009	2,224		
2005 1/	> 5,300		> 3,000	> 2,300		
2006 2/	5,300		3,000	2,300		
2007 1/	> 4,970		> 2,680	2,290		
2008 1/	> 5,000		> 2,800	> 2,200		
2009 1/	> 5,300		3/ 2,900	> 2,400		
2010 1/	> 5,500		3/ 3,000	> 2,500		
2011 1/	2/ 5,500		4/ > 3,000	> 2,500		
2012 1/	2/ 5,500		3/ 5/ 2,900	2/ 6/ 2,500		
2013 1/	2/ 5,500		7/ > 3,000	2/ 6/ 2,500		
2014 1/	2/ 5,500		7/ > 3,000	2/ 6/ 2,500		

1/ Angled bracket open to left indicates 'greater than'.

2/ Counts approximate.

3/ Count reported as 'nearly' number shown.

4/ Authorized as of June 30, 2010.

5/ As of June 30, 2011.

6/ Authorized as of July 1.

7/ As of September of year indicated.

Source: Hawaii State Department of Defense, *Annual Report Fiscal Year* (annual), Ibid. *Annual Report for Fiscal Year* (2007 to 2014) <<http://dod.hawaii.gov/department-info/annual-reports/>> accessed July 15, 2016; and records.

**Table 10.18-- CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, DEPARTMENT OF DEFENSE, AND PEARL HARBOR NAVAL SHIPYARD: ANNUAL AVERAGE, 1990 TO 2015**

[According to the North American Industrial Classification System (NAICS) adopted in 1997. Data are rounded to the nearest 100, except for 2001 to 2009 which are rounded to the nearest 50. Totals may not add due to rounding or residual categories]

Year	Federal Government	Department of Defense	Naval Shipyard
1990	34,200	19,400	(1/)
1991	33,900	18,800	(1/)
1992	33,300	18,100	(1/)
1993	31,800	17,400	(1/)
1994	31,300	16,900	(1/)
1995	31,100	16,800	(1/)
1996	31,100	16,800	(1/)
1997	30,700	17,300	(1/)
1998	30,400	16,900	(1/)
1999	30,300	16,600	(1/)
2000	31,000	16,400	(1/)
2001	30,100	16,500	4,700
2002	30,650	16,700	4,950
2003	31,650	16,650	4,750
2004	31,450	16,600	4,250
2005	31,300	16,350	4,150
2006	31,850	16,650	4,200
2007	31,750	16,400	4,000
2008	32,200	16,550	4,100
2009	33,300	17,500	4,200
2010	34,800	18,500	4,300
2011	34,900	19,100	4,300
2012	34,900	19,100	4,500
2013 2/	33,900	18,300	4,300
2014 2/	33,200	17,900	4,500
2015 2/	33,200	18,200	4,800

1/ New series in 2001. NAICS series data are not available previously.

2/ Data were benchmarked by DLIR in March 2016 and 2014 Federal Government and Naval Shipyard revised from previous *Data Book*.

Source: Hawaii State Department of Labor and Industrial Relations, "State of Hawaii Annual Average Jobcount by Detailed Industry" and "State of Hawaii Not Seasonally Adjusted Jobcount By Detailed Industry" <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed March 23, 2016.

**Table 10.19-- SELECTIVE SERVICE REGISTRATION FOR THE UNITED STATES AND HAWAII: 2008 TO 2014**

[Fiscal year ending September 30 for 2008 to 2014, and beginning FY 2015 report shows calendar year 2014]

Subject	Registrants 1/	
	United States 2/	Hawaii
FY 2008		
Entire registrant group, 18 - 25 years old, born 1982-1989	15,247,514	59,742
Draft eligible men, 20 - 25 years old, born 1982 - 1987	12,380,004	50,229
FY 2009		
Entire registrant group, 18 - 25 years old, born 1984-1991	15,549,082	62,409
Draft eligible men, 20 - 25 years old, born 1984 - 1989	12,623,247	50,915
FY 2010		
Entire registrant group, 18 - 25 years old, born 1985-1992	15,641,162	63,109
Draft eligible men, 20 - 25 years old, born 1985 - 1990	12,765,909	51,731
FY 2011		
Entire registrant group, 18 - 25 years old, born 1986-1993	15,665,624	63,409
Draft eligible men, 20 - 25 years old, born 1986 - 1991	12,860,406	52,385
FY 2012		
Entire registrant group, 18 - 25 years old, born 1987-1994	15,825,085	64,018
Draft eligible men, 20 - 25 years old, born 1987 - 1992	12,979,918	53,000
FY 2013		
Entire registrant group, 18 - 25 years old, born 1988-1995	16,086,242	65,314
Draft eligible men, 20 - 25 years old, born 1988 - 1993	13,134,801	53,688
FY 2014		
Entire registrant group, 18 - 25 years old, born 1989-1996	16,202,005	65,513
Draft eligible men, 20 - 25 years old, born 1989 - 1994	13,234,298	54,240
CY 2014		
Entire registrant group, 18 - 25 years old, born 1989-1996	16,902,602	68,522
Draft eligible men, 20 - 25 years old, born 1989 - 1994	13,393,444	55,009

1/ Almost all male U.S. citizens regardless of where they live, and male immigrant aliens residing in the U.S., are required to be registered with Selective Service if they are at least 18 years old but are not yet 26 years old. They are required to register within 30 days of turning 18.

2/ Including the Dist. of Columbia, Northern Mariana Islands, Virgin Islands, Puerto Rico, Guam, and foreign.

Source: Selective Service System, *Annual Report to Congress for the Fiscal Year* (annual)

<<http://www.sss.gov/PUBLIC.HTM>> accessed June 3, 2016 and records.

**Table 10.20-- ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)  
INELIGIBILITY RATE, BY RACE/ETHNICITY, BY STATE: 2009**

[High school graduates who did not meet the minimum standard necessary to enlist in the U.S. Army.  
As of September 30]

State 1/	Total		African-American		Hispanic		White	
	Number	%	Number	%	Number	%	Number	%
United States	348,203	22.6	64,084	38.7	40,771	29.1	201,501	16.4
Alaska	1,198	20.5	112	28.6	56	16.1	636	10.5
Alabama	8,193	28.2	3,067	44.3	99	21.2	3,825	20.4
Arkansas	5,573	27.7	1,304	47.2	147	20.4	3,436	21.2
Arizona	7,526	19.6	302	25.5	1,774	29.0	4,039	12.1
California	31,669	24.1	2,893	36.6	10,213	30.8	13,471	15.7
Colorado	4,857	17.6	375	33.1	754	28.4	3,400	12.9
Connecticut	2,911	24.0	397	41.8	523	39.2	1,785	15.2
District of Columbia	345	32.5	204	37.7	(2/)	(2/)	104	23.1
Delaware	900	26.0	303	42.2	50	32.0	446	17.3
Florida	19,734	20.9	4,711	33.7	3,775	26.6	10,022	13.0
Georgia	13,597	25.2	6,495	34.4	377	20.4	5,452	16.8
<b>Hawaii</b>	<b>2,307</b>	<b>38.3</b>	<b>(2/)</b>	<b>(2/)</b>	<b>134</b>	<b>34.3</b>	<b>149</b>	<b>20.1</b>
Iowa	3,967	18.6	160	33.1	108	30.6	3,446	17.3
Idaho	2,121	14.1	(2/)	(2/)	136	28.7	1,788	12.7
Illinois	11,861	24.0	2,672	41.5	1,168	29.0	7,146	16.3
Indiana	6,965	13.1	644	28.9	192	16.1	5,252	10.1
Kansas	4,099	21.1	419	41.1	207	20.8	2,931	19.0
Kentucky	5,907	24.0	648	36.6	101	25.7	4,931	22.2
Louisiana	6,079	30.9	2,371	47.0	89	23.6	2,791	21.8
Massachusetts	5,301	19.6	213	35.2	635	40.5	2,831	15.2
Maryland	5,966	26.6	1,465	36.4	235	30.6	2,710	27.0
Maine	1,656	19.0	(2/)	(2/)	(2/)	(2/)	1,539	18.4
Michigan	11,346	20.5	1,644	42.7	303	24.4	8,695	16.3
Minnesota	4,998	15.9	255	40.0	155	20.0	4,007	14.1
Missouri	8,063	21.8	976	35.6	142	21.8	5,807	18.7
Mississippi	5,138	37.8	3,011	50.1	(2/)	(2/)	1,909	20.0
Montana	1,309	18.1	(2/)	(2/)	28	14.3	1,034	13.4
North Carolina	13,473	23.4	4,824	35.7	488	20.5	6,450	15.3
North Dakota	795	16.0	(2/)	(2/)	(2/)	(2/)	649	12.3
Nebraska	2,711	14.6	175	33.7	136	30.1	2,176	11.2
New Hampshire	1,300	14.7	(2/)	(2/)	(2/)	(2/)	931	15.1
New Jersey	6,455	26.5	1,307	33.7	1,479	34.1	2,749	20.6
New Mexico	2,652	28.2	91	37.4	984	32.4	1,056	17.5
Nevada	2,503	18.6	255	36.1	415	26.7	1,523	12.9
New York	12,736	21.1	2,183	29.4	2,154	31.2	7,035	15.4
Ohio	14,830	18.0	1,931	35.1	279	23.3	11,744	15.4
Oklahoma	5,667	23.2	770	39.5	290	23.4	3,830	19.3
Oregon	3,674	18.0	73	16.4	239	29.7	2,752	15.2

Continued on next page.

**Table 10.20-- ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)  
INELIGIBILITY RATE, BY RACE/ETHNICITY, BY STATE: 2009-- Con.**

State 1/	Total		African-American		Hispanic		White	
	Number	%	Number	%	Number	%	Number	%
Pennsylvania	13,146	21.6	1,729	40.2	763	38.1	9,910	17.6
Rhode Island	1,090	23.6	57	36.8	131	39.7	667	21.3
South Carolina	8,557	29.5	3,793	42.3	119	27.7	3,573	21.0
South Dakota	993	17.1	(2/)	(2/)	(2/)	(2/)	809	12.7
Tennessee	8,671	25.1	2,080	41.9	162	28.4	5,809	18.9
Texas	34,093	22.4	5,523	32.9	10,094	27.8	15,432	15.9
Utah	2,354	16.7	(2/)	(2/)	166	31.3	1,769	14.0
Virginia	11,086	25.5	4,207	38.6	479	21.7	5,452	17.0
Vermont	886	20.4	(2/)	(2/)	(2/)	(2/)	806	19.9
Washington	5,571	16.4	303	32.7	434	25.3	3,488	12.3
Wisconsin	8,060	18.9	793	46.9	331	26.9	6,443	14.6
West Virginia	2,760	20.9	121	39.7	(2/)	(2/)	2,402	20.0
Wyoming	554	13.0	(2/)	(2/)	(2/)	(2/)	464	11.2

1/ Including the District of Columbia.

2/ Number suppressed. State had fewer than 50 applicants.

Source: Education Trust, *Shut Out of the Military* (December 20, 2010)

<[http://edtrust.org/wp-content/uploads/2013/10/ASVAB\\_4.pdf](http://edtrust.org/wp-content/uploads/2013/10/ASVAB_4.pdf)> accessed July 13, 2016.

**Table 10.21-- MILITARY PRIME CONTRACT AWARDS,  
BY PROGRAM: 2005 TO 2009**

[In thousands of dollars. Fiscal years ending September 30]

Procurement program	2005	2006	2007 1/	2008 1/	2009 1/
Total	1,990,796	1,963,465	2,158,038	2,258,586	2,377,271
Aircraft engines & spares	502	5	(NA)	(NA)	(NA)
Airframes & spares	50,638	3,316	(NA)	(NA)	(NA)
All other supplies & equipment	118,208	162,089	(NA)	(NA)	(NA)
Ammunition	-	10	(NA)	(NA)	(NA)
Building supplies	38	48	(NA)	(NA)	(NA)
Combat vehicles	86	-	(NA)	(NA)	(NA)
Construction	524,526	537,211	(NA)	(NA)	(NA)
Construction equipment	194	18	(NA)	(NA)	(NA)
Containers and handling equip.	1	20	(NA)	(NA)	(NA)
Electronics & communication equip.	40,540	53,140	(NA)	(NA)	(NA)
Materials handling equipment	17	170	(NA)	(NA)	(NA)
Medical & dental supplies & equip.	289,584	68,485	(NA)	(NA)	(NA)
Missile & space systems	57,273	5,498	(NA)	(NA)	(NA)
Non-combat vehicles	168	191	(NA)	(NA)	(NA)
Other aircraft equipment	1,495	1,191	(NA)	(NA)	(NA)
Other fuels and lubricants	49	1,056	(NA)	(NA)	(NA)
Petroleum	136,343	300,615	(NA)	(NA)	(NA)
Photographic supplies & equip.	190	239	(NA)	(NA)	(NA)
Production equipment	94	467	(NA)	(NA)	(NA)
Services	627,146	708,590	(NA)	(NA)	(NA)
Ships	85,705	71,235	(NA)	(NA)	(NA)
Subsistence	48,904	40,678	(NA)	(NA)	(NA)
Textiles, clothing, & equipage	-	32	(NA)	(NA)	(NA)
Transportation equipment	7	-	(NA)	(NA)	(NA)
Weapons	9,086	9,162	(NA)	(NA)	(NA)

NA Not available.

1/ 2007 and 2008 had been revised in *Data Book 2009* reflecting a change in DOD data availability.

The 2 procurement web sites below are no longer the home for the collection, correction, and reporting of DoD procurement information. The data on those sites are static data and reflect how the data were originally collected through FY2006. All the data contained on those sites were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov at <<http://www.usaspending.gov>> also contains current DoD procurement data. Future *Data Book* updates are expected to be based on those data/sites.

Source: U.S. Department of Defense, Defense Management Data Center, Statistical Information Analysis Division, Geographic Statistics, Prime Contract Awards by State, Awards - State & Major Procurement Program <[http://siadapp.dmdc.osd.mil/procurement/historical\\_reports/geographic/geostat.html](http://siadapp.dmdc.osd.mil/procurement/historical_reports/geographic/geostat.html)> accessed February 22, 2007; Procurement Statistics, Special Tabulation 25 - summary of prime contract awards (ST25) <[http://siadapp.dmdc.osd.mil/procurement/historical\\_reports/statistics/procstat.html](http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/procstat.html)> accessed February 26, 2008; and *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010.

**Table 10.22-- DEPARTMENT OF DEFENSE PRIME CONTRACTS, BY  
BRANCH: 1981 TO 2009**

[In thousands of dollars. For fiscal year ending September 30. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. Prior to FY 2001, \$25,000 was the reporting minimum, between FY 2001 and FY 2004 reporting contracts less than \$25,000 was optional, and beginning with FY 2005, all contact actions were included]

Year	Total	Army 1/	Navy & Marine Corps	Air Force	Other defense activities 2/
1981	575,776	150,902	137,565	28,328	258,981
1982	500,609	80,661	103,827	35,279	280,842
1983	638,975	117,573	187,355	36,806	297,241
1984	536,735	185,074	158,068	52,719	140,874
1985	626,153	255,236	152,782	59,939	158,196
1986	562,843	147,587	160,701	46,484	208,071
1987	461,449	147,561	230,473	61,466	21,949
1988	540,991	156,631	190,418	99,405	94,537
1989	578,733	193,210	258,693	75,489	51,341
1990	511,893	119,568	195,380	83,827	113,118
1991	697,127	218,607	250,164	158,866	69,490
1992	622,728	173,655	282,644	76,366	90,063
1993	631,021	244,275	237,579	59,948	89,219
1994	803,297	263,183	425,998	68,291	45,825
1995	673,640	227,674	308,584	84,201	53,181
1996	928,480	223,284	519,813	106,939	78,444
1997	957,353	248,629	533,037	93,845	81,841
1998	889,607	234,446	456,876	99,963	98,322
1999	984,848	231,622	569,599	92,311	91,316
2000	1,159,581	243,813	618,071	168,588	129,109
2001	1,307,383	384,619	675,946	93,020	153,798
2002	1,433,119	347,108	771,034	156,322	158,655
2003	1,807,959	395,465	713,601	253,198	445,695
2004	1,713,892	529,634	584,625	223,409	376,223
2005	1,990,796	521,085	556,978	380,830	531,903
2006	1,963,465	602,972	537,112	344,093	479,288
2007	2,158,036	661,531	922,289	297,619	276,597
2008	2,258,586	702,832	900,966	301,654	353,134
2009	2,377,271	789,207	991,132	269,204	327,728

1/ Includes U.S. Army Corps of Engineers.

2/ Includes Defense Logistics Agency (DLA) and other defense agencies (ODA).

Source: U.S. Department of Defense, Defense Management Data Center, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas* (annual)

<<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010.

**Table 10.23-- DEPARTMENT OF DEFENSE PRIME CONTRACT AWARDS,  
BY COUNTY, BY DEFENSE COMPONENT: 2007 TO 2009**

[In thousands of dollars. For fiscal year ending September 30. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted]

Procurement program	State	Hawaii	Honolulu	Kauai	Maui
2007 1/	2,134,466	40,933	1,924,256	154,713	14,564
Army	638,504	18,294	590,210	27,206	2,795
Navy 2/	915,265	22,184	785,137	107,648	295
Air Force	296,924	10	287,565	176	9,174
Defense Logistics Agency	159,383	130	159,248	-	6
Civil functions: Corps of Eng.	22,686	283	2,383	18,772	1,248
Other defense agencies	101,705	32	99,714	912	1,047
2008 1/	2,258,586	(NA)	(NA)	(NA)	(NA)
Army	702,832	(NA)	(NA)	(NA)	(NA)
Navy 2/	900,966	(NA)	(NA)	(NA)	(NA)
Air Force	301,651	(NA)	(NA)	(NA)	(NA)
Civil functions: Corps of Eng. 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Other defense activities 4/	353,134	(NA)	(NA)	(NA)	(NA)
2009 1/	2,377,271	(NA)	(NA)	(NA)	(NA)
Army	789,207	(NA)	(NA)	(NA)	(NA)
Navy 2/	991,132	(NA)	(NA)	(NA)	(NA)
Air Force	269,204	(NA)	(NA)	(NA)	(NA)
Civil functions: Corps of Eng. 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Other defense activities 4/	327,728	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ The 2008 and 2009 estimates are preliminary in that the source does not show procurement by county. The 2 procurement web sites below are no longer the home for the collection, correction, and reporting of DoD procurement information. The data on those sites are static data and reflect how the data were originally collected through FY2006. All the data contained on those sites were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov <<http://www.usaspending.gov>> also contains current DoD procurement data. Future *Data Book* updates and revision of 2007 through 2009 are expected to be based on those data/sites.

2/ Refers to the Department of the Navy which also includes the Marine Corps.

3/ Civil functions not available in the FPDS-NG system.

4/ Includes 'Other defense agencies' and Defense Logistics Agency.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, Procurement Statistics, Special Tabulation 25 - summary of prime contract awards (ST25) <[http://siadapp.dmdc.osd.mil/procurement/historical\\_reports/statistics/procstat.html](http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/procstat.html)> accessed February 26, 2008; and *Atlas/Data Abstract for the United States and Selected Areas, Fiscal Year* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010.

**Table 10.24-- MILITARY SUBCONTRACTING PROGRAM: 2004 TO 2007**

[In thousands of dollars and percent. Fiscal year ending September 30. Public Law 95-507, as amended, requires large business firms that have received at least one contract over \$500,000, or \$1,000,000 for construction, to establish a subcontracting program]

<b>Procurement program</b>	<b>2004</b>	<b>2005</b>	<b>2006 1/</b>	<b>2007 1/</b>
Hawaii number of contractors	48	41	41	46
Hawaii total contracts	196,793	204,533	319,430	226,920
Large business	73,876	87,310	119,085	90,917
Small business	122,917	117,223	200,345	136,003
Small disadvantaged business	21,583	34,370	25,850	22,352
Women-owned business	15,931	11,633	42,454	13,511
HBCU/MI 2/	133	31	208	25
HUBZone 3/	6,109	2,747	16,399	17,328
Veteran-owned	13,269	19,536	17,459	9,322
Service-disabled veteran-owned	219	282	467	646
Hawaii contracts as percent of total	100.0	100.0	100.0	100.0
Large business	37.5	42.7	37.3	40.1
Small business	62.5	57.3	62.7	59.9
Small disadvantaged business	11.0	16.8	8.1	9.9
Women-owned business	8.1	5.7	13.3	6.0
HBCU/MI 2/	0.1	(4/)	0.1	(4/)
HUBZone 3/	3.1	1.3	5.1	7.6
Veteran-owned	6.7	9.6	5.5	4.1
Service-disabled veteran-owned	0.1	0.1	0.1	0.3
United States number of contractors	1,639	1,625	1,493	1,665
United States total contracts	101,677,468	120,947,969	106,472,454	127,759,431
Large business	66,571,644	77,332,006	66,906,557	81,813,737
Small business	35,105,824	43,615,963	39,565,897	45,945,694
Small disadvantaged business	4,135,337	5,363,344	5,091,551	5,477,611
Women-owned business	4,946,268	5,956,704	5,817,559	6,889,642
HBCU/MI 2/	233,540	145,624	60,818	35,603
HUBZone 3/	1,083,164	1,434,765	1,786,961	2,202,706
Veteran-owned	2,744,357	3,447,490	3,705,866	5,158,454
Service-disabled veteran-owned	449,021	519,237	718,462	1,126,388

Continued on next page.

**Table 10.24-- MILITARY SUBCONTRACTING PROGRAM: 2004 TO 2007 -- Con.**

Procurement program	2004	2005	2006 1/	2007 1/
U.S. contracts as percent of total	100.0	100.0	100.0	100.0
Large business	65.5	63.9	62.8	64.0
Small business	34.5	36.1	37.2	36.0
Small disadvantaged business	4.1	4.4	4.8	4.3
Women-owned business	4.9	4.9	5.5	5.4
HBCU/MI 2/	0.2	0.1	0.1	(4/)
HUBZone 3/	1.1	1.2	1.7	1.7
Veteran-owned	2.7	2.9	3.5	4.0
Service-disabled veteran-owned	0.4	0.4	0.7	0.9

1/ The DOD webpage leading to the URL below notes that procurement web sites are no longer the home for the collection, correction, and reporting of DoD procurement information. The data on those sites are static data and reflect how the data were originally collected through FY2006. All the data contained on those sites were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports.

USASpending.gov at <<http://www.usaspending.gov>> also contains current DoD procurement data. FY2007 has been released but future *Data Book* updates of military subcontracting are expected to be based on the migrated data/sites.

2/ HBCU/MI Historically Black Colleges and Universities/Minority Institutions.

3/ HUBZone Historically underutilized business zone.

4/ Less than 0.1 percent.

Source: U.S. Department of Defense, Statistical Information Analysis Division, "Companies Participating in the Department of Defense Subcontracting Program"

<[http://siadapp.dmdc.osd.mil/procurement/historical\\_reports/statistics/procstat.html](http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/procstat.html)> accessed November 8, 2010 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.25-- DEPARTMENT OF DEFENSE PROCUREMENT CONTRACTS  
AWARDED, BY SELECTED TYPE OF BUSINESS: 2011 TO 2015**

[In thousands of dollars unless otherwise indicated. Fiscal year ending September 30. Contracts are for Hawaii as the 'Place of Performance' which is defined as the location where the items will be produced, manufactured, mined, or grown or where the service will be performed. Contract action is any oral or written action that results in the purchase, rent, or lease of supplies or equipment, services, or construction using appropriated dollars over the micro-purchase threshold, or modifications to these actions regardless of dollar value. See also <[http://www.fpds-ng.com/wiki/index.php/FPDS-NG\\_FAQ](http://www.fpds-ng.com/wiki/index.php/FPDS-NG_FAQ)>. Components may not add to total or subtotal as not all are specifically shown. Data extracted from dynamic database may result in change in one or more items which are not indicated as revisions below]

Category 1/	2011	2012	2013	2014	2015
Total contract actions (number)	35,658	31,771	16,069	17,641	30,077
Total contract actions value	2,820,614	2,549,358	1,657,004	2,156,988	1,729,370
Small business	1,075,697	1,244,701	841,657	1,016,145	868,501
Small business as share of total (%)	38.1	48.8	50.8	47.1	50.2
Small disadvantaged business	589,226	680,287	527,533	613,479	549,506
Women-owned business	216,397	156,865	147,425	163,369	143,392
HUBZone 2/	194,489	203,560	97,120	102,910	88,000
Veteran-owned	122,100	117,035	113,753	120,904	125,291
Service-disabled veteran-owned	28,477	43,065	69,836	92,904	68,577
8(a) firm	372,794	517,540	415,758	398,008	311,918
Javits-Wagner-O'Day Program	20,641	20,515	22,216	21,291	19,901
HBCU 3/	-	-	-	-	-
Educational institutions	16,090	26,067	24,227	23,611	15,621
Asian Pacific	442,308	444,223	366,118	308,517	277,442
Minority institutions	-6	168	-	40	-
Local government	2,274	25	2,381	1,653	1,120
State government	12,520	17,630	21,681	29,846	20,186
U.S. Tribal government	-	-	-	-	-
American Indian	10,215	17,253	19,181	13,733	11,487
Native American	210,831	263,347	244,355	239,327	189,189
Indian tribe 4/	6,087	15,043	11,190	7,685	5,737
Native Hawaiian-owned	148,491	260,032	214,452	142,164	125,873
Tribally-owned	8,719	15,219	13,893	62,680	11,587
Alaskan Native-owned	27,965	33,369	30,716	94,751	50,026
Asian Indian	10,372	17,403	3,536	22,552	66,265
Minority-owned	811,361	892,266	699,015	682,135	627,343
Black-owned	17,200	12,388	16,696	18,807	18,402
Hispanic-owned	104,704	107,535	30,451	59,385	52,233
Non-profit organization	15,017	22,665	30,809	23,867	20,717
Emerging small business	224,955	364,140	191,182	126,658	70,142
Hospital	647	147	147	138	97

1/ After 2009, DOD data were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov at <<http://www.usaspending.gov>> also contains current DoD procurement data.

2/ HUBZone Historically underutilized business zone.

3/ HBCU Historically Black Colleges.

4/ Federally recognized.

Source: Federal Procurement Data System - Next Generation <[https://www.fpds.gov/fpdsng\\_cms/index.php/en/](https://www.fpds.gov/fpdsng_cms/index.php/en/)> accessed June 24, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.26-- DEPARTMENT OF DEFENSE PRIME PROCUREMENT  
CONTRACTS AWARDED FOR THE UNITED STATES TOTAL AND  
HAWAII: 2008 TO 2015**

[Prime contracts are generally reported at the location where the work is performed. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. In thousands of dollars and number of transactions. Transactions include the initial contract award and all amendments or modifications to that award. Fiscal years ending September 30]

Year	United States 1/		Hawaii	
	Amount	Number	Amount	Number
2008	358,296,979	1,398,469	2,362,179	17,940
2009	334,681,566	1,298,607	2,460,185	14,876
2010	327,070,714	1,338,403	2,468,453	15,245
2011	334,384,043	1,326,919	2,913,041	15,132
2012	322,480,203	1,258,136	2,615,251	14,404
2013	273,036,882	1,160,875	1,741,702	12,521
2014	265,189,700	1,185,065	2,239,971	12,899
2015	256,820,351	2,972,629	1,789,878	25,736

1/ Includes all 50 states and the District of Columbia. USAspending also has contracts with place of performance nationwide, in the territories and international locations accessible.

Source: USA Spending, "Department of Defense: Awards by States/Territories - FY (annual)" <<https://www.usaspending.gov/Pages/Default.aspx>> accessed July 30, 2016.

**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2014**

Site	Name of nearest city	Buildings owned 1/		Buildings other than owned or leased 1/		Acreage		PRV 2/ (\$mil.)
		Number	Square feet	Number	Square feet	Total	Owned	
Hawaii total		4,871	42,044,248	6,581	27,806,502	224,897	163,467	44,815.2
Army total		1,606	15,351,905	3,224	15,269,829	189,455	141,442	13,386.2
Army active		1,564	14,622,147	3,223	15,252,325	166,257	141,254	13,014.8
Aliamanu Military Reservation	Honolulu	103	281,356	771	2,876,646	600	593	1,005.0
Dillingham Military Res	Waialua	5	4,176	-	-	664	664	35.5
Fort De Russy	Honolulu	15	796,892	-	-	73	73	207.1
Fort Shafter	Honolulu	153	1,727,558	162	519,068	589	589	890.1
Helemano Military Reservation	Wahiawa	22	318,692	216	1,556,062	293	282	675.8
Kahuku Training Area	Kahuku	22	33,603	-	-	9,480	8,330	31.7
Kawaihae Military Reserve	Waimea	1	938	-	-	11	10	14.6
Kilauea Military Reserve	Hawaii Nat'l Park	94	167,411	-	-	72	13	59.6
Kipapa Ammo Storage Site	Mililani	70	179,462	-	-	401	401	115.2
Makua Military Reserve	Waianae	4	4,873	-	-	4,195	3,413	28.2
Pohakuloa Training Area	Hilo	177	307,516	4	362	131,805	108,829	376.4
Pupukea Paalaa Uka Mil Road	Haleiwa	-	-	-	-	109	109	24.8
Schofield Barracks Mil Reservation	Wahiawa	534	7,182,136	1,692	8,946,290	15,612	15,609	6,100.4
Signal Cable Trunking System	Wahiawa	41	8,871	-	-	201	201	114.2
Tripler Army Medical Center	Honolulu	40	1,841,536	40	275,926	367	367	1,811.8
USA Field Station Kunia	Kunia	9	270,844	-	-	89	89	195.4
Waianae-Kai Military Reservation	Waianae	48	47,743	-	-	14	-	23.7
Waikalkalaua Ammo Storage Tunnels	Mililani	49	104,236	-	-	312	312	64.9
Wheeler Army Airfield	Wahiawa	177	1,344,304	338	1,077,971	1,370	1,370	1,240.4
Army National Guard		32	679,929	-	-	166	166	328.7
NG Kalaeloa	Kapolei	24	574,828	-	-	147	147	294.3
NG TS Waiawa Gulch	Pearl City	8	105,101	-	-	19	19	34.4
6 other Army sites 3/		10	49,829	1	17,504	23,033	21	42.5

Continued on next page.

**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:  
SEPTEMBER 30, 2014 -- Con.**

Site	Name of nearest city	Buildings owned 1/		Buildings other than owned or leased 1/		Acreage		PRV 2/ (\$mil.)
		Number	Square feet	Number	Square feet	Total	Owned	
Air Force total		180	484,907	9	69,151	1,272	415	526.0
Air Force active		129	215,663	-	-	639	409	264.1
Bellows Air Force Station	Kailua	100	142,065	-	-	486	409	190.2
Kaena Point Satellite Tracking Station	Waianae	29	73,598	-	-	153	-	73.9
Air National Guard		4	31,016	-	-	11	-	22.9
Barking Sands Communication Station	Kekaha	4	31,016	-	-	11	-	22.9
17 other Air Force sites 3/		47	238,228	9	69,151	622	6	239.0
Marine Corps total		666	6,168,121	1,135	4,283,538	4,652	3,364	6,362.3
Marine active		666	6,168,122	1,135	4,283,538	4,450	3,177	6,360.9
Marine Corps Training Area Bellows	Waimanalo	15	116,231	-	-	1,030	28	109.3
Marine Corps Base Camp Smith	Aiea	50	896,574	9	19,010	221	219	573.9
Marine Corps Base Hawaii Kaneohe	Kaneohe	563	4,838,356	973	3,835,014	2,955	2,686	5,360.5
Marine Corps Base Manana Capehart	Pearl City	8	14,943	153	429,514	52	52	183.0
Marine Corps Base Hawaii								
Pearl City Annex	Pearl City	7	255,008	-	-	27	27	74.1
Marine Corps Base Hawaii Puuloa-Oahu	Ewa Beach	23	47,010	-	-	165	165	60.1
2 other Marine sites 3/		-	-	-	-	202	187	1.3

Continued on next page.

**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:  
SEPTEMBER 30, 2014 -- Con.**

Site	Name of nearest city	Buildings owned 1/		Buildings other than owned or leased 1/		Acreage		PRV 2/ (\$mil.)
		Number	Square feet	Number	Square feet	Total	Owned	
Navy total		2,419	20,039,315	2,213	8,183,984	29,518	18,247	24,540.8
Navy active		2,397	19,977,494	2,203	8,165,560	28,184	18,117	22,216.9
Aiea	Aiea	24	38,734	160	447,225	91	78	310.9
Caretaker Site Office Barbers Point HI	Barbers Point	-	-	-	-	678	678	109.2
Ewa	Ewa Beach	221	852,415	-	-	2,323	2,308	777.2
Hickam Petroleum Storage Annex	Hickam AF Base	6	7,247	-	-	96	1	373.7
Honolulu	Pearl Harbor	175	1,698,971	1,291	5,022,285	576	573	2,903.8
Kalaeloa	Barbers Point	165	1,010,412	-	-	164	163	604.3
Kamokala Ridge	Kekaha	13	23,582	-	-	89	-	20.3
Makaha Ridge	Kokee	17	28,473	-	-	243	-	40.3
Manana Housing/Pw Area	Pearl City	1	775	49	125,391	23	23	51.4
Naval Station Pearl Harbor	Pearl Harbor	973	13,640,974	288	955,993	6,819	6,764	14,040.8
PACMISRANFAC Hawaiian Area	Kekaha	210	510,668	41	79,920	4,565	8	686.7
Pearl City	Pearl City	26	270,042	252	978,603	633	575	668.1
Wahiawa	Wahiawa	114	753,577	121	555,765	712	689	705.2
Waianae	Lualualei	429	1,100,133	1	378	9,228	4,338	805.2
Waikele	Waipahu	-	-	-	-	488	485	-
Waipahu	Waipahu	23	41,491	-	-	1,456	1,434	119.8
39 other Navy sites 3/		22	61,822	10	18,424	1,334	130	2,323.9

1/ This report also inventories leased buildings (5) and square footage (94,707).

2/ PRV or plant replacement value represents the reported cost of replacing the facility and its supporting infrastructure using today's construction cost (labor and material) and standards (methodologies and codes).

3/ United States locations must be larger than 10 acres and greater than \$10 million PRV (plant replacement value).

Source: U.S. Department of Defense, Office of the Deputy Under Secretary of Defense (Installations & Environment), *Base Structure Report Fiscal Year 2015 Baseline, (A Summary of DoD's Real Property Inventory)* <<http://www.acq.osd.mil/ie/download/bsr/CompletedBSR2015-Final.pdf>> accessed July 14, 2015; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.28-- MILITARY INSTALLATIONS BY COMPONENT AND SIZE FOR HAWAII AND THE UNITED STATES: SEPTEMBER 30, 2014**

[Installations by component and size data are not available for FY 2012 and 2013]

Location and component	Total	Large 1/	Medium 2/	Small 3/	Other 4/
Hawaii	142	5	3	74	60
Army	28	1	3	22	2
Navy	85	3	-	26	56
Air Force	20	-	-	19	1
Marine Corps	9	1	-	7	1
United States	4,154	100	101	3,475	478
Army	1,562	35	30	1,395	102
Navy	803	24	26	570	183
Air Force	1,535	32	40	1,319	144
Marine Corps	160	8	5	98	49
Washington Headquarters Service	94	1	-	93	-
Hawaii as percent of the U.S.	3.4	5.0	3.0	2.1	12.6
Army	1.8	2.9	10.0	1.6	2.0
Navy	10.6	12.5	0.0	4.6	30.6
Air Force	1.3	0.0	0.0	1.4	0.7
Marine Corps	5.6	12.5	0.0	7.1	2.0

1/ A large installation has a total plant replacement value (PRV) greater than or equal to \$1.876 billion.

2/ A medium installation has a total plant replacement value (PRV) less than \$1.876 billion and greater than or equal to \$1,000 million.

3/ A small installation has a total plant replacement value (PRV) less than \$1,000 million and greater than 0.

4/ Other installation has a total plant replacement value (PRV) equal to zero - primarily land records.

Source: U.S. Department of Defense, Office of the Deputy Under Secretary of Defense (Installations & Environment), *Base Structure Report (A Summary of DoD's Real Property Inventory), Fiscal Year 2014 Baseline*, pp. DOD-18 and 21 <<http://www.acq.osd.mil/ie/download/bsr/CompletedBSR2015-Final.pdf>> accessed July 14, 2015; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.29-- HOUSING UNITS IN SELECTED MILITARY AREA  
CENSUS-DESIGNATED PLACES: 2010**

[Due to changes in Census-Designated Places (CDP) boundaries, data from the 2000 and 2010 censuses are not comparable]

Geographic area	State total	Occupied housing units		
		Total	Owner	Renter
Total housing units	519,508	455,338	262,682	192,656
Ahuimanu CDP	2,826	2,745	2,199	546
Hickam Housing CDP	2,353	1,918	7	1,911
Iroquois Point CDP	1,119	1,064	1	1,063
Kaneohe Station CDP	2,208	2,115	18	2,097
Schofield Barracks CDP	4,020	3,602	18	3,584
Wheeler AFB CDP	593	554	3	551

Source: U.S. Census Bureau, 2010 Census Summary File 1 compiled by Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center, SF1 Geographic Comparison Tables, Resident Tables by Census Designated Places for the State of Hawaii "GCT-H2 - Hawaii: General Housing Characteristics: 2010 - State -- Place" and "GCT-H3 - Hawaii: Occupied Housing Characteristics: 2010 - State -- Place" <[http://dbedt.hawaii.gov/census/Census\\_2010/SF1/index\\_html](http://dbedt.hawaii.gov/census/Census_2010/SF1/index_html)> accessed July 17, 2013.

**Table 10.30-- MILITARY HOUSING PRIVATIZATION INITIATIVE PROJECTS:  
AUGUST 2008**

[The MHPI is a 50-year public-private partnership as authorized under the National Defense Defense Act for Fiscal Year 1996 to facilitate upgrade and maintenance of the inventory of military housing units]

<b>Component and location</b>	<b>Total</b>	<b>New homes</b>	<b>Renovated homes</b>
Total dwelling units	14,958	9,562	5,396
Army	7,945	5,388	2,557
Schofield Barracks	4,066	2,916	1,150
Aliamanu/Red Hill	1,717	1,691	26
Wheeler Army/Air Field	669	262	407
Fort Shafter	362	276	86
Helemano	946	58	888
Tripler Army Medical Center	185	185	-
Air Force	2,474	1,142	1,332
Hickam Air Force Base	2,474	1,142	1,332
Navy/Marine	4,539	3,032	1,507
Pearl Harbor, Camp Smith, Manana	2,654	1,740	914
Wahiawa	229	174	55
Marine Corps Base Hawaii	1,656	1,118	538

Source: *Honolulu Advertiser* "Military housing boom offsets slow civilian sector", August 31, 2008  
<<http://the.honoluluadvertiser.com/article/2008/Aug/31/bz/hawaii808310344.html>> accessed  
September 2, 2008.

**Table 10.31-- MILITARY MONTHLY BASIC ALLOWANCES FOR HOUSING RATES,  
BY COUNTY: 2016**

[In dollars. Rates take effect January 1. The Basic Allowance for Housing (BAH) is based on geographic duty location, pay grade, and dependency status. The intent of BAH is to provide uniformed service members with permanent duty within the 50 United States accurate and equitable housing compensation based on housing costs, including median current market rent, average utilities (including electricity, heat, and water/sewer), and average renter's insurance in local civilian housing markets, and is payable when government quarters are not provided. Total housing costs are calculated for six housing profiles based on dwelling type and number of bedrooms, in each military housing area. BAH rates are then calculated for each pay grade, with and without dependents]

Code 1/	With dependents				Without dependents			
	Maui County	Honolulu County	Hawaii County	Kauai County	Maui County	Honolulu County	Hawaii County	Kauai County
E01	2,082	2,613	1,584	1,863	1,563	1,959	1,188	1,491
E02	2,082	2,613	1,584	1,863	1,563	1,959	1,188	1,491
E03	2,082	2,613	1,584	1,863	1,563	1,959	1,188	1,491
E04	2,082	2,613	1,584	1,863	1,563	1,959	1,188	1,491
E05	2,349	2,679	1,731	1,989	1,761	2,349	1,299	1,653
E06	2,967	2,904	1,857	2,328	2,226	2,556	1,458	1,752
E07	3,036	3,075	1,875	2,349	2,274	2,619	1,593	1,872
E08	3,108	3,264	1,896	2,373	2,472	2,724	1,758	2,058
E09	3,198	3,495	1,971	2,466	2,661	2,790	1,794	2,160
W01	2,973	2,910	1,860	2,334	2,229	2,592	1,530	1,818
W02	3,066	3,153	1,884	2,361	2,466	2,721	1,755	2,055
W03	3,156	3,384	1,911	2,391	2,682	2,802	1,800	2,175
W04	3,213	3,537	1,995	2,496	2,979	2,943	1,857	2,331
W05	3,285	3,720	2,097	2,619	3,048	3,117	1,878	2,352
O01E	3,048	3,111	1,878	2,352	2,349	2,679	1,731	1,989
O02E	3,141	3,351	1,905	2,385	2,622	2,778	1,788	2,139
O03E	3,225	3,567	2,010	2,514	2,967	2,901	1,854	2,328
O01	2,418	2,706	1,749	2,031	1,818	2,550	1,440	1,737
O02	2,958	2,901	1,854	2,322	2,277	2,658	1,683	1,950
O03	3,150	3,375	1,908	2,388	2,742	2,820	1,809	2,205
O04	3,309	3,786	2,133	2,667	3,036	3,090	1,872	2,346
O05	3,426	4,083	2,298	2,871	3,078	3,198	1,884	2,358
O06	3,459	4,122	2,319	2,898	3,150	3,378	1,905	2,382
O07	3,489	4,161	2,340	2,922	3,213	3,447	1,944	2,433

1/ E indicates enlisted; W, warrant officer; OE, commissioned officer with more than 4 years active duty service as an enlisted member or Warrant Officer; and O, officer. The number indicates the grade. The higher number the higher the rank.

Source: U.S. Department of Defense, Defense Travel Management Office, Basic Allowance for Housing, BAH Rates for All Locations

<<https://www.defensetravel.dod.mil/site/pdcFiles.cfm?dir=/Allowances/BAH/PDF/>> accessed December 16, 2015.

**Table 10.32-- VETERAN STATUS OF CIVILIANS 17 YEARS AND OVER:  
2000 AND 2010 TO 2015**

[As of April 1 for 2000 and thereafter, July 1 for civilian population and September 30 for veteran population. Civilian population 17 and over unless otherwise noted. Veteran and nonveteran population rounded to the nearest 1,000. 2000, 2012 and 2013 Nonveterans and 2010 to 2014 civilian population revised from previous *Data Book*]

<b>Veteran status</b>	<b>2000 1/</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Civilian population	889,005	1,037,983	1,049,990	1,059,340	1,069,977	1,079,717	1,088,408
Male	427,316	502,657	510,002	516,450	522,811	528,147	533,469
Female	461,689	535,326	539,988	542,890	547,166	551,570	554,939
Veterans	121,000	117,000	117,000	117,000	121,000	121,000	120,000
Male veterans	111,000	103,000	103,000	103,000	108,000	108,000	108,000
Female veterans	9,000	14,000	14,000	14,000	13,000	13,000	13,000
War veterans 2/	92,000	91,000	92,000	93,000	96,000	97,000	97,000
Persian Gulf War 3/	18,000	41,000	45,000	48,000	48,000	51,000	54,000
Vietnam era	42,000	36,000	35,000	34,000	39,000	38,000	37,000
Korean conflict	18,000	12,000	11,000	10,000	8,000	7,000	7,000
World War II	23,000	8,000	6,000	5,000	6,000	5,000	4,000
World War I	(4/)	-	-	-	-	-	-
Peacetime only	29,000	26,000	24,000	24,000	25,000	24,000	24,000
Nonveterans	768,000	921,000	933,000	942,000	949,000	959,000	968,000

1/ April 1 estimates base civilian 18 years and over.

2/ Detail adds to more than subtotal because some veterans served in more than one war.

3/ Service from August 2, 1990 to the present.

4/ Fewer than 100.

Source: U.S. Census Bureau, Population Division, "Annual Estimates of the Civilian Population by Single Year of Age and Sex for the United States and States: April 1, 2010 to July 1, 2015 (June 2016) <<http://www.census.gov/popest/data/state/asrh/2015/files/SC-EST2015-AGESEX-CIV.csv>> accessed June 23, 2016; U.S. Department of Veterans Affairs, Census 2000 Veteran Data, Sex by Age by Armed Forces Status by Veteran Status for the Population 18 Years and Over <<http://www1.va.gov/vetdata/docs/agesexdata.xls>> accessed March 13, 2009; "VetPop2007 State Tables, Period of Service, Table 2L: Veterans by State, Period, Age Group, Gender, 2000-2036" <<http://www1.va.gov/VETDATA/Demographics/Demographics.asp>> accessed July 13, 2012; "Veteran Population Projection Model 2011 (VetPop2011) for 2011 to 2040" <[http://www.va.gov/VETDATA/docs/Demographics/New\\_Vetpop\\_Model/7IVetPop11\\_POS\\_State.xlsx](http://www.va.gov/VETDATA/docs/Demographics/New_Vetpop_Model/7IVetPop11_POS_State.xlsx)> accessed June 27, 2014; "Veteran Population Projection Model 2014 (VetPop2014), Table 7L: Vetpop2014 Living Veterans, by State, Period of Service, Gender, 2013-2043" <[http://www1.va.gov/vetdata/docs/Demographics/New\\_Vetpop\\_Model/7L\\_VetPop2014.xlsx](http://www1.va.gov/vetdata/docs/Demographics/New_Vetpop_Model/7L_VetPop2014.xlsx)> accessed July 27, 2015; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.33-- ARMED FORCES STATUS, BY VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER: 2014**

<b>Characteristic</b>	<b>Hawaii</b>	<b>United States</b>	<b>Hawaii as percent of U.S.</b>
Total	1,419,561	318,857,056	0.4
18 years and over	1,111,207	245,279,633	0.5
In Armed Forces 1/	39,373	980,973	4.0
Civilian	1,071,834	244,298,660	0.4
Veteran	109,871	19,259,717	0.6
Nonveteran	961,963	225,038,943	0.4
18 to 64 years	883,146	199,064,740	0.4
In Armed Forces 1/	39,373	980,973	4.0
Civilian	843,773	198,083,767	0.4
Veteran	65,064	9,899,301	0.7
Nonveteran	778,709	188,184,466	0.4
65 years and over	228,061	46,214,893	0.5
In Armed Forces 1/	-	-	(X)
Civilian	228,061	46,214,893	0.5
Veteran	44,807	9,360,416	0.5
Nonveteran	183,254	36,854,477	0.5
Male	717,313	156,890,101	0.5
18 years and over	559,170	119,274,182	0.5
In Armed Forces 1/	35,348	851,946	4.1
Civilian	523,822	118,422,236	0.4
Veteran	98,488	17,681,070	0.6
Nonveteran	425,334	100,741,166	0.4
18 to 64 years	457,609	98,961,710	0.5
In Armed Forces 1/	35,348	851,946	4.1
Civilian	422,261	98,109,764	0.5
Veteran	54,873	8,602,870	0.5
Nonveteran	367,388	89,506,894	0.5
65 years and over	101,561	20,312,472	0.5
In Armed Forces 1/	-	-	(X)
Civilian	101,561	20,312,472	0.5
Veteran	43,615	9,078,200	0.5
Nonveteran	57,946	11,234,272	0.5

Continued on next page.

**Table 10.33-- ARMED FORCES STATUS, BY VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER: 2014 -- Con.**

<b>Characteristic</b>	<b>Hawaii</b>	<b>United States</b>	<b>Hawaii as percent of U.S.</b>
Female	702,248	161,966,955	0.4
18 years and over	552,037	126,005,451	0.4
In Armed Forces 1/	4,025	129,027	3.1
Civilian	548,012	125,876,424	0.4
Veteran	11,383	1,578,647	0.7
Nonveteran	536,629	124,297,777	0.4
18 to 64 years	425,537	100,103,030	0.4
In Armed Forces 1/	4,025	129,027	3.1
Civilian	421,512	99,974,003	0.4
Veteran	10,191	1,296,431	0.8
Nonveteran	411,321	98,677,572	0.4
65 years and over	126,500	25,902,421	0.5
In Armed Forces 1/	-	-	(X)
Civilian	126,500	25,902,421	0.5
Veteran	1,192	282,216	0.4
Nonveteran	125,308	25,620,205	0.5

X Not applicable.

1/ Calculated as "Total" less "Civilian".

Source: U.S. Census Bureau, 2014 American Community Survey (ACS) 1-Year Estimates for the United States and Hawaii "B21001: Sex By Age By Veteran Status for the Civilian Population 18 Years and Over - Universe: Civilian population 18 years and over" and "DP05 ACS 2013 1-Year Estimates for the Demographic and Housing Estimates" <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed July 21, 2016 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.34-- DISTRIBUTION OF VETERANS AFFAIRS POPULATION  
AND EXPENDITURES, BY COUNTY: 2014 AND 2015**

[In number of persons and thousands of dollars. Fiscal year ending September 30]

<b>Subject</b>	<b>State</b>	<b>Hawaii</b>	<b>City &amp; County of Honolulu</b>	<b>Kalawao</b>	<b>Kauai</b>	<b>Maui</b>
2014						
Veteran population 1/	121,007	16,670	87,891	-	5,330	11,115
Unique patients 2/	25,041	4,031	17,338	(3/)	1,457	2,214
Total expenditure	842,115	106,328	635,941	4	34,521	65,322
Compensation & pension 4/	388,532	56,798	279,377	-	16,108	36,249
Educ. & vocational rehab/emp.	167,447	4,100	159,382	-	1,131	2,834
Medical care 5/	254,149	44,280	167,898	4	16,615	25,351
Insurance & indemnities	14,822	1,149	12,119	-	666	888
Construction	573	-	573	-	-	-
General operating expenses	16,593	-	16,593	-	-	-
2015						
Veteran population 1/	120,482	16,529	87,658	-	5,289	11,007
Unique patients 2/	26,450	4,308	18,320	(3/)	1,464	2,357
Total expenditure	888,037	109,424	676,174	4	33,893	68,542
Compensation & pension 4/	394,010	57,188	285,474	-	15,770	35,579
Educ. & vocational rehab/emp.	183,257	4,110	175,051	-	1,117	2,979
Medical care 5/	276,921	46,699	184,702	4	16,424	29,092
Insurance & indemnities	13,611	1,428	10,709	-	581	893
Construction	3,347	-	3,347	-	-	-
General operating expenses	16,891	-	16,891	-	-	-

1/ Veteran population estimated as of September 30. Source obtained data from Office of the Actuary, Department of Veterans Affairs (VetPop2011 for 2013 and VetPop2014 for 2014).

2/ Patients who received treatment at a VA health care facility.

3/ Fewer than ten 'Unique Patients'.

4/ Includes expenditures for veterans' compensation for service-connected disability; dependency and indemnity compensation for service-connected deaths; veterans' pension for nonservice-connected disabilities; and for burial and other benefits to veterans and their survivors.

5/ Includes medical services, medical administration, facility maintenance, educational support, research support, and other overhead items. Medical Care does not include construction or other non-medical support expenditures. Beginning in 2008, the new medical care figures were based on where patients live instead of where care was delivered.

Source: U.S. Department of Veteran Affairs, National Center for Veterans Analysis & Statistics, Expenditures, "Geographic Distribution of VA Expenditures (GDX)" (annual)

<<http://www.va.gov/vetdata/Expenditures.asp>> accessed July 11, 2016.

**Table 10.35-- MILITARY RETIREMENT SYSTEM: 2015**

[As of September 30]

Category	Number of personnel		Monthly payment 2/ (\$1,000)	Average payment per person paid (dollars)
	Retired 1/	Paid by DOD		
Department of Defense	17,600	16,572	39,921	2,409
By branch of service 3/				
Army	6,648	6,121	14,068	2,298
Navy	4,953	4,728	11,908	2,519
Marine Corps	1,114	1,029	3,001	2,916
Air Force	4,885	4,694	10,943	2,331
Exhibit: Coast Guard 3/	410	397	(NA)	(NA)
By rank				
Officers	5,076	5,027	19,181	3,816
Nondisabled and reserve	4,885	4,873	18,779	3,854
Disabled	191	154	402	2,610
Enlisted	12,524	11,545	20,739	1,796
Nondisabled and reserve	11,222	10,963	20,167	1,840
Disabled	1,302	582	572	983
Department of Defense, over 65	8,157	7,711	18,026	2,338
By branch of service 3/				
Army	3,352	3,162	6,874	2,174
Navy	1,847	1,738	4,613	2,654
Marine Corps	405	371	1,138	3,067
Air Force	2,553	2,440	5,401	2,214
Exhibit: Coast Guard 3/	190	182	(NA)	(NA)
By rank				
Officers	2,818	2,794	9,820	3,515
Nondisabled and reserve	2,746	2,734	9,616	3,517
Disabled	72	60	204	3,400
Enlisted	5,339	4,917	8,205	1,669
Nondisabled and reserve	5,018	4,766	8,009	1,680
Disabled	321	151	196	1,298

NA Not available.

1/ Number retired includes all living retirees, including some whose net pay is \$0. Number paid by DoD includes only those whose net pay by this definition is greater than \$0. Net pay is the pay after deductions for survivor premiums and benefits offset by a VA award. It is the pay before any deductions for withholding taxes and allotments.

2/ The monthly amount of payment (net pay) is before deductions for withholding taxes and allotments, but after deductions for survivor benefits, waivers to obtain benefits from the Veterans Administration.

3/ Payments made by the U.S. Department of Homeland Security, shown for informational purposes only, and not included in the Department of Defense totals.

Source: U.S. Department of Defense, Office of the Actuary, *Fiscal Year 2015 DOD Statistical Report on the Military Retirement System* (forthcoming) and calculations by Hawaii State Department of Business, Economic Development & Tourism. See also Statistical Reports <<http://actuary.defense.gov/>> accessed July 28, 2016.

## Section 11

# SOCIAL INSURANCE AND HUMAN SERVICES

This section presents data related to governmental expenditures on social welfare; programs for old-age, survivors, disability and health insurance; public employee retirement; unemployment insurance; aid to the needy; and child and other welfare services. Also included here are selected statistics on disability, foundations, and the quality of life. Related data are cited in Sections 9 and 13.

Major data sources include reports and records of the U.S. Department of Health and Human Services, the Hawaii State Department of Human Services, the Hawaii State Department of Labor and Industrial Relations, and the Hawaii State Employees' Retirement System. *Historical Statistics of Hawaii*, Section 8, contains data for earlier years. Section 11 of the *Statistical Abstract of the United States: 2012* presents comparable national data.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#">11.01</a>	Temporary Assistance to Needy Families, Average Monthly, by Island: 2010 to 2015
<a href="#">11.02</a>	Temporary Assistance to Other Needy Families, Average Monthly, by Island: 2010 to 2015
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**Table**  
**Number** **Table Name**

(Click on the table number to go to corresponding table)

<a href="#">11.23</a>	501(c)(3) Public Charities in Hawaii, by Type: Circa 2010
<a href="#">11.24</a>	Quality of Life Index Rankings, for the State and the Honolulu Metropolitan Statistical Area (MSA): 1998 to 2016

**Table 11.01-- TEMPORARY ASSISTANCE TO NEEDY FAMILIES,  
AVERAGE MONTHLY, BY ISLAND: 2010 TO 2015**

[Fiscal year ending June 30. AFDC became Temporary Assistance to Needy Families (TANF) effective FY 1998]

Category	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
2010								
Cases	6,696	3,945	1,721	297	733	(NA)	605	128
Recipients	17,188	10,072	4,549	709	1,858	(NA)	1,504	354
Expenditures 1/	3,713	2,199	969	157	388	(NA)	316	72
2011								
Cases	7,711	4,323	2,165	342	881	(NA)	697	184
Recipients	21,206	11,656	6,215	886	2,449	(NA)	1,889	560
Expenditures 1/	4,321	2,442	1,235	174	470	(NA)	363	107
2012								
Cases	7,926	4,369	2,283	342	932	(NA)	729	203
Recipients	21,966	11,927	6,528	890	2,621	(NA)	1,999	622
Expenditures 1/	4,419	2,456	1,299	170	494	(NA)	374	120
2013								
Cases	7,959	4,401	2,282	339	937	(NA)	723	214
Recipients	22,053	11,972	6,516	925	2,640	(NA)	1,974	666
Expenditures 1/	4,432	2,451	1,306	178	497	(NA)	371	126
2014								
Cases	7,283	3,989	2,167	308	819	(NA)	620	199
Recipients	20,054	10,834	6,129	802	2,289	(NA)	1,661	628
Expenditures 1/	4,080	2,228	1,245	164	443	(NA)	326	117
2015								
Cases	6,639	3,657	1,995	282	705	(NA)	530	175
Recipients	18,232	9,883	5,635	739	1,975	(NA)	1,414	561
Expenditures 1/	3,744	2,052	1,156	150	386	(NA)	284	102

NA Not available.

1/ Thousands of dollars.

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare in Hawaii* (annual) and records.

**Table 11.02-- TEMPORARY ASSISTANCE TO OTHER NEEDY FAMILIES,  
AVERAGE MONTHLY, BY ISLAND: 2010 TO 2015**

[Fiscal year ending June 30. AFDC-UP became Temporary Assistance to Other Needy Families (TAONF) effective FY 1998. General Assistance (Family) was also added to TAONF]

Category	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
2010								
Cases	2,245	1,470	510	64	201	(NA)	149	52
Recipients	8,025	5,134	1,898	217	776	(NA)	584	192
Expenditures 1/	1,203	771	292	34	106	(NA)	76	30
2011								
Cases	1,781	1,226	374	42	139	(NA)	127	12
Recipients	6,172	4,120	1,367	138	547	(NA)	502	45
Expenditures 1/	932	628	210	21	73	(NA)	67	6
2012								
Cases	1,885	1,267	411	41	166	(NA)	144	22
Recipients	6,644	4,352	1,518	142	632	(NA)	548	84
Expenditures 1/	966	644	223	19	80	(NA)	69	11
2013								
Cases	1,870	1,299	376	33	162	(NA)	142	20
Recipients	6,544	4,453	1,378	108	605	(NA)	531	74
Expenditures 1/	946	653	201	17	75	(NA)	66	9
2014								
Cases	1,644	1,167	338	32	107	(NA)	92	15
Recipients	5,640	3,923	1,229	108	380	(NA)	318	62
Expenditures 1/	824	573	186	16	49	(NA)	42	7
2015								
Cases	1,463	1,069	288	38	68	(NA)	58	10
Recipients	4,991	3,629	997	133	232	(NA)	195	37
Expenditures 1/	722	517	154	19	32	(NA)	27	5

NA Not available.

1/ Thousands of dollars.

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare in Hawaii* (annual) and records.

**Table 11.03-- AVERAGE MONTHLY CASES SERVED BY THE FOOD STAMP PROGRAM, BY ISLAND: 1981 TO 2015**

[Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
1981	40,461	28,788	6,698	1,876	3,099	83	2,473	543
1982	38,238	26,965	6,551	1,840	2,882	67	2,289	526
1983	38,549	26,438	7,040	2,050	3,021	70	2,407	544
1984	37,767	25,393	7,252	1,943	3,179	62	2,484	633
1985	37,282	24,873	7,330	1,980	3,099	64	2,352	683
1986	35,652	23,356	7,520	1,894	2,882	65	2,130	687
1987	33,424	21,908	7,244	1,717	2,555	50	1,839	666
1988	31,388	20,844	6,819	1,474	2,251	40	1,582	629
1989	31,809	21,233	6,916	1,410	2,250	29	1,633	588
1990	32,285	21,705	6,891	1,450	2,239	27	1,629	583
1991	33,558	22,649	7,097	1,545	2,267	29	1,686	552
1992	37,295	24,867	8,012	1,778	2,638	33	1,961	644
1993	42,175	27,789	9,165	2,016	3,205	49	2,454	702
1994	48,142	31,735	10,449	2,264	3,694	48	2,969	677
1995	53,855	35,407	11,578	2,660	4,210	48	3,472	690
1996	58,028	38,107	12,364	2,955	4,602	50	3,872	680
1997	57,905	38,122	12,185	3,054	4,544	53	3,804	687
1998	54,264	35,057	11,926	2,983	4,298	53	3,519	726
1999	55,837	36,623	11,897	3,030	4,287	58	3,548	681
2000	54,992	36,556	11,508	2,875	4,053	49	3,356	648
2001	51,592	34,486	10,842	2,583	3,681	51	2,995	635
2002	50,967	33,854	10,768	2,674	3,671	30	3,003	638
2003	(NA)	33,392	10,648	2,591	(NA)	(NA)	3,256	661
2004	48,568	31,781	10,538	2,477	3,772	52	3,123	597
2005	47,794	31,530	10,268	2,296	3,700	54	3,082	564
2006	45,400	30,288	9,533	2,159	3,420	56	2,832	532
2007	45,028	29,846	9,576	2,078	3,528	59	2,920	549
2008	47,546	30,868	10,562	2,148	3,968	71	3,313	584
2009	54,925	34,341	12,921	2,712	4,951	93	4,182	676
2010	66,885	40,247	16,238	3,701	6,699	122	5,766	811
2011	77,133	45,016	19,462	4,487	8,168	161	7,047	960
2012	86,418	49,572	21,899	5,084	9,863	173	8,638	1,052
2013	94,672	53,807	23,921	5,188	11,756	175	10,448	1,133
2014	98,440	55,840	25,268	5,190	12,142	181	10,805	1,156
2015	96,502	54,817	24,734	4,987	11,964	177	10,629	1,158

NA Not available.

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare in Hawaii* (annual) and records.

**Table 11.04-- AVERAGE MONTHLY NUMBER OF INDIVIDUALS SERVED  
BY THE FOOD STAMP PROGRAM, BY ISLAND: 1981 TO 2015**

[Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
1981	103,996	77,369	15,781	3,911	6,935	188	5,293	1,454
1982	99,228	72,560	15,905	4,043	6,720	135	5,142	1,443
1983	101,118	71,574	17,474	4,752	7,318	157	5,595	1,566
1984	99,818	69,251	18,145	4,672	7,750	128	5,753	1,869
1985	99,395	68,145	18,539	4,942	7,769	140	5,604	2,025
1986	93,863	62,714	19,131	4,766	7,252	137	5,032	2,083
1987	87,070	57,935	18,456	4,217	6,462	91	4,317	2,054
1988	80,823	54,244	17,357	3,492	5,730	66	3,729	1,935
1989	80,284	53,964	17,444	3,282	5,594	38	3,793	1,763
1990	79,496	53,543	17,226	3,232	5,495	42	3,698	1,755
1991	81,345	54,927	17,466	3,472	5,480	62	3,776	1,642
1992	89,465	59,547	19,482	4,111	6,325	78	4,357	1,890
1993	99,571	65,177	22,044	4,625	7,725	127	5,547	2,051
1994	111,409	72,911	24,603	5,194	8,701	131	6,567	2,003
1995	122,121	79,571	26,781	6,061	9,708	125	7,540	2,043
1996	129,430	83,960	28,298	6,739	10,433	110	8,340	1,983
1997	129,138	84,049	27,757	6,973	10,359	119	8,265	1,975
1998	122,215	78,032	27,081	6,911	10,191	124	7,958	2,109
1999	124,417	80,621	26,710	6,941	10,145	133	8,069	1,943
2000	120,467	79,622	25,177	6,330	9,338	106	7,424	1,808
2001	110,371	73,429	23,230	5,563	8,149	100	6,303	1,746
2002	106,748	70,826	22,348	5,664	7,910	58	6,143	1,709
2003	(NA)	69,101	21,634	5,392	(NA)	(NA)	6,583	1,723
2004	99,128	65,014	21,145	5,029	7,940	96	6,263	1,581
2005	95,033	62,500	20,287	4,550	7,696	101	6,110	1,485
2006	88,968	58,923	18,894	4,217	6,934	112	5,461	1,361
2007	88,848	58,251	19,349	4,131	7,117	110	5,630	1,377
2008	93,956	60,135	21,378	4,205	8,058	134	6,468	1,456
2009	109,268	67,597	26,222	5,347	10,102	203	8,268	1,631
2010	133,043	80,002	32,289	7,207	13,545	260	11,395	1,890
2011	154,496	90,602	38,692	8,697	16,505	339	14,047	2,119
2012	172,675	99,836	43,279	9,844	19,716	358	17,031	2,327
2013	187,062	107,668	46,392	9,980	23,022	356	20,136	2,530
2014	193,565	111,483	48,479	9,961	23,642	376	20,703	2,563
2015	191,918	109,992	49,059	9,577	23,290	368	20,370	2,552

NA Not available.

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare in Hawaii* (annual) and records.

**Table 11.05-- ANNUAL BENEFITS OF THE FOOD STAMP PROGRAM, BY ISLAND: 1991 TO 2015**

[In dollars. Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
1991	94,473,871	63,485,005	20,541,064	4,042,598	6,405,204	64,878	4,574,468	1,765,858
1992	112,329,644	74,283,762	24,838,847	5,156,483	8,050,552	94,856	5,742,270	2,213,426
1993	126,788,607	82,450,018	28,538,846	5,824,432	9,975,311	146,194	7,400,324	2,428,793
1994	147,149,411	95,823,731	32,943,774	6,739,307	11,642,599	154,603	9,055,336	2,432,660
1995	171,641,900	111,603,705	37,840,508	8,411,516	13,786,171	155,076	10,998,797	2,632,298
1996	191,796,701	123,903,621	42,338,840	9,872,685	15,681,555	153,647	12,831,574	2,696,334
1997	193,487,005	125,414,180	42,071,872	10,367,997	15,632,956	171,979	12,749,822	2,711,155
1998	179,727,944	114,359,271	40,461,179	10,057,307	14,850,187	167,244	11,845,597	2,837,346
1999	178,991,763	115,489,788	39,208,297	9,841,805	14,451,873	173,891	11,697,878	2,580,104
2000	170,853,433	112,594,795	36,414,365	8,843,294	13,000,979	137,714	10,493,178	2,370,087
2001	153,082,202	101,678,549	32,812,572	7,577,344	11,013,737	124,481	8,640,495	2,248,761
2002	150,829,817	99,686,498	32,276,917	7,889,448	10,976,954	75,379	8,612,864	2,288,711
2003	(NA)	101,273,319	32,790,493	8,020,735	(NA)	(NA)	9,711,591	2,420,644
2004	153,362,400	100,264,401	33,130,628	7,611,329	12,356,042	139,841	9,868,558	2,347,643
2005	155,816,670	102,596,550	33,429,264	7,256,262	12,534,594	152,091	10,067,348	2,315,155
2006	149,936,273	99,663,072	31,752,570	6,894,578	11,626,053	168,128	9,248,983	2,208,942
2007	154,721,201	101,634,975	33,721,286	6,963,404	12,401,536	173,526	9,875,521	2,352,489
2008	175,708,471	112,427,316	40,485,935	7,675,230	15,119,990	232,000	12,180,004	2,707,986
2009	242,643,675	148,694,447	58,966,224	11,885,971	23,097,033	416,402	19,150,952	3,529,679
2010	344,944,695	205,295,932	84,580,309	18,439,872	36,628,582	646,050	31,241,394	4,741,138
2011	401,125,167	232,589,629	101,402,892	22,359,632	44,773,014	837,977	38,496,199	5,438,838
2012	446,125,011	255,234,297	113,340,246	24,985,524	52,564,944	904,961	45,642,853	6,017,130
2013	483,938,852	276,578,330	122,058,832	25,326,161	59,975,529	927,424	52,549,652	6,498,453
2014	520,648,348	297,574,355	133,266,411	26,093,928	63,713,654	989,631	55,828,946	6,895,077
2015	517,778,775	294,494,838	135,299,879	25,138,475	62,845,583	926,116	54,983,578	6,935,889

NA Not available.

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare in Hawaii* (annual) and records.

**Table 11.06-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE  
(OASDI) BENEFICIARIES IN CURRENT-PAYMENT STATUS, BY AGE  
AND SEX: 2012 TO 2014**

[December data. Based on Master Beneficiary Record, 100 percent data]

<b>Age and sex</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Age	240,456	246,477	251,591
17 or under	11,682	11,687	11,291
18 to 54	14,033	13,792	13,442
55 to 61	8,906	9,084	9,124
62 to 64	21,749	21,228	20,612
65 to 69	55,627	57,798	59,577
70 to 74	41,689	44,994	48,209
75 to 79	30,582	31,276	32,272
80 to 84	25,921	25,454	25,181
85 to 89	18,878	19,198	19,101
90 to 99	11,104	11,633	12,411
100 or older	285	333	371
Adult beneficiaries	225,597	231,572	237,056
Men	101,916	104,856	107,645
Women	123,681	126,716	129,411

Source: U.S. Social Security Administration, Office of Policy Data, *Annual Statistical Supplement* (annual), tables 5.J5 and 5.J5.1 <<http://www.ssa.gov/policy/docs/statcomps/supplement/2015/5j.pdf>> accessed June 30, 2016.

**Table 11.07-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFICIARIES AND BENEFITS IN CURRENT-PAYMENT STATUS, BY TYPE OF BENEFIT: 2013 AND 2014**

[December data. Based on Master Beneficiary Record, 100 percent data]

Type of benefit	OASDI beneficiaries		Monthly benefits (\$1,000)	
	2013	2014	2013	2014
Total	246,477	251,591	296,423	310,833
Retirement	196,287	202,051	243,784	257,660
Retired workers	184,442	189,864	236,336	249,659
Spouses	8,048	8,390	5,050	5,545
Children	3,797	3,797	2,398	2,456
Survivors	21,635	21,416	23,441	23,784
Widow(er)s and parents	15,306	15,197	18,061	18,365
Children	6,329	6,219	5,380	5,419
Disability	28,555	28,124	29,198	29,389
Disabled workers	23,328	23,174	27,406	27,647
Spouses	448	431	140	130
Children	4,779	4,519	1,652	1,612
Age 65 and over	190,686	197,122	242,060	256,758
Men	84,601	87,868	118,702	126,168
Women	106,085	109,254	123,358	130,589

Source: U.S. Social Security Administration, Office of Policy, *Annual Statistical Supplement* (annual), tables 5.J2, 5.J3 and 5.J4 <<http://www.ssa.gov/policy/docs/statcomps/supplement/2015/5j.pdf>> accessed June 30, 2016.

**Table 11.08-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE (OASDI)  
BENEFICIARIES IN CURRENT-PAYMENT STATUS, BY COUNTY: 2014**

[December data. Based on Master Beneficiary Record, 100 percent data]

County 1/	Total	Retirement			Survivors		Disability			Aged 65 or older	
		Retired workers	Spouses	Children	Widow-(er)s 2/	Children	Disabled workers	Spouses	Children	Men	Women
State total 3/	251,591	189,864	8,390	3,797	15,197	6,219	23,174	431	4,519	87,868	109,254
Hawaii	41,180	29,620	1,055	665	2,380	1,020	5,375	65	1,000	14,190	15,315
Honolulu	168,315	128,680	6,245	2,390	10,500	4,105	13,375	290	2,730	59,050	76,910
Kalawao	10	10	-	-	-	-	-	-	-	-	10
Kauai	14,305	10,805	420	260	850	315	1,360	30	265	5,025	5,870
Maui	27,780	20,750	670	480	1,465	780	3,065	45	525	9,600	11,150

1/ Because of special rounding procedures, county detail may not add exactly to State totals, and State totals may differ somewhat from corresponding values in other OASDI tables in this section.

2/ Includes nondisabled widow(er)s, disabled widow(er)s, widowed mothers and fathers, and parents.

3/ Includes beneficiaries with unknown county code.

Source: U.S. Department of Health and Human Services, Social Security Administration, *OASDI Beneficiaries by State and County, 2014*, table 4 <[http://www.ssa.gov/policy/docs/statcomps/oasdi\\_sc/2014/hi.pdf](http://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2014/hi.pdf)> accessed July 1, 2016.

**Table 11.09-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE (OASDI)  
BENEFITS IN CURRENT-PAYMENT STATUS, BY COUNTY: 2014**

[In thousands of dollars. December data. Based on Master Beneficiary Record, 100 percent data]

County 1/	Total	Retirement			Survivors		Disability			Aged 65 or older	
		Retired workers	Spouses	Children	Widow-(er)s 2/	Children	Disabled workers	Spouses	Children	Men	Women
State total 3/	310,833	249,659	5,545	2,456	18,365	5,419	27,647	130	1,612	126,168	130,589
Hawaii	48,974	37,538	685	409	2,870	858	6,271	19	325	19,751	17,751
Honolulu	210,205	171,271	4,138	1,567	12,638	3,616	15,901	85	989	8,554	92,730
Kalawao	13	11	-	-	-	-	-	-	-	-	10
Kauai	17,388	13,875	280	165	1,023	273	1,664	12	94	7,078	6,865
Maui	34,254	26,964	443	315	1,833	672	3,810	13	204	13,782	13,234

1/ Because of special rounding procedures, county detail may not add exactly to State totals, and State totals may differ somewhat from corresponding values in other OASDI tables in this section.

2/ Includes nondisabled widow(er)s, disabled widow(er)s, widowed mothers and fathers, and parents.

3/ Includes beneficiaries with unknown county code.

Source: U.S. Department of Health and Human Services, Social Security Administration, *OASDI Beneficiaries by State and County, 2014, table 5* <[http://www.ssa.gov/policy/docs/statcomps/oasdi\\_sc/2014/hi.pdf](http://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2014/hi.pdf)> accessed July 1, 2016.

**Table 11.10-- NUMBER AND PERCENT RECEIVING RETIREMENT, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS: 2014**

[December data. Based on Master Beneficiary Record, 100 percent data]

Area	Total population		Aged 65 or older	
	Number (1,000) 1/	Percentage receiving benefits	Number (1,000) 1/	Percentage receiving benefits
United States	318,857	18.5	46,243	91.0
Hawaii	1,420	17.7	228	86.4

1/ Population estimates as of July 1, 2014, as reported by the U.S. Census Bureau.

Source: U.S. Department of Health and Human Services, Social Security Administration, *OASDI Beneficiaries by State and County, 2014*, table 1

<[http://www.ssa.gov/policy/docs/statcomps/oasdi\\_sc/2014/hi.pdf](http://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2014/hi.pdf)> accessed July 1, 2016.

**Table 11.11-- SOCIAL SECURITY BENEFICIARIES AND BENEFITS PAID:  
1991 TO 2014**

[December data unless otherwise specified. Prior to 2006 based on 10-percent samples  
2006 and after based on Master Beneficiary Record, 100 percent data]

<b>Year</b>	<b>Number of beneficiaries 1/</b>	<b>Monthly benefits (\$1,000) 1/</b>	<b>Estimated total annual benefits paid (million dollars)</b>
1991	151,390	85,182	971
1992	154,950	90,840	1,041
1993	158,370	95,812	1,106
1994	161,840	101,506	1,169
1995	168,020	107,600	1,243
1996	169,300	113,990	1,317
1997	172,050	119,266	1,385
1998	174,850	124,320	1,453
1999	179,150	131,387	1,517
2000	184,140	142,159	1,628
2001	188,920	151,425	1,752
2002	193,220	158,309	1,855
2003	195,430	165,897	1,938
2004	199,240	175,645	2,039
2005	202,890	187,948	2,162
2006	204,207	197,311	2,277
2007	207,992	207,882	2,422
2008	212,890	227,489	2,557
2009	220,491	238,128	2,813
2010	227,914	248,933	2,940
2011	234,314	267,756	3,056
2012	240,456	282,090	3,276
2013	246,477	296,423	3,447
2014	251,591	310,833	3,613

1/ Prior to 2007 includes special age-72 beneficiaries.

Source: U.S. Social Security Administration, Office of Policy Data, *Annual Statistical Supplement*, (annual), tables 5.J1, 5.J2 and 5.J4 <<http://www.ssa.gov/policy/docs/statcomps/supplement/2015/5j.pdf>> accessed June 30, 2016.

**Table 11.12-- MEDICARE BENEFICIARIES ENROLLED: 2011 TO 2013**

[As of July, unless otherwise noted]

Coverage	All persons			Persons 65 and over		
	2011	2012	2013 1/	2011	2012	2013 1/
Hospital (Part A) and/or supplementary medical insurance (Part B)	213,639	222,572	229,607	188,159	196,082	205,739
Hospital insurance (Part A and B, and Part A only)	213,090	222,021	229,013	187,612	195,535	205,165
Hospital insurance (Part A only)	22,551	24,529	22,786	19,481	21,503	20,618
Supplementary medical insurance (Part A and B, and Part B only)	191,088	198,043	206,821	168,678	174,579	185,121
Supplementary medical insurance (Part B only)	549	551	594	547	547	574
Hospital (Part A) and supplementary medical insurance (Part B)	190,539	197,492	206,227	168,131	174,032	184,547

1/ Calendar year for 2013.

Source: U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services <<http://www.cms.hhs.gov/MedicareEnrpts>> accessed July 1, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 11.13-- SENIOR MEDICARE ENROLLEES BY COUNTY: 2008 TO 2012**

[As of July 1, for persons 65 years and over. From the 100 percent denominator file]

<b>Year</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Maui 1/</b>	<b>Kauai</b>
2008	125,174	22,360	16,010	8,747
2009	128,469	23,505	16,607	9,015
2010	131,413	24,220	17,344	9,318
2011	134,938	(NA)	18,163	9,658
2012	148,319	29,119	20,795	10,923

NA Not available

1/ Includes Kalawao County, for 2009 Kalawao had 28 enrollees, for 2010 Kalawao had 15 enrollees, for 2011 Kalawao had 19 enrollees and for 2012 Kalawao had 20 enrollees.

Source: U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services, Office of Information Services, CMS denominator files <<http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/MedicareEnrpts/index.html?redirect=/MedicareEnrpts/>> accessed July 14, 2014.

**TABLE 11.14-- DISABILITY STATUS AND NUMBER OF PERSONS  
WITH A DISABILITY, FOR THE STATE AND OAHU: 2014**

[Excludes the population living in institutions, college dormitories, and other group quarters.  
Data are based on a sample, the confidence interval is 90 percent]

Age and Disability status	State total		Oahu	
	Male	Female	Male	Female
Age under 5 years				
With any disability	129	101	60	101
With a hearing difficulty	114	46	45	46
With a vision difficulty	15	55	15	55
Age 5 to 17 years				
With any disability	5,485	3,394	3,548	2,239
With a hearing difficulty	861	1,149	500	699
With a vision difficulty	524	713	358	297
With a cognitive difficulty	3,760	2,858	2,515	1,907
With an ambulatory difficulty	531	687	313	326
With a self-care difficulty	591	923	256	549
Age 18 to 34 years				
With any disability	9,524	6,848	6,908	4,184
With a hearing difficulty	1,132	1,456	881	779
With a vision difficulty	989	836	608	523
With a cognitive difficulty	6,018	4,488	3,967	2,755
With an ambulatory difficulty	2,200	1,581	1,573	1,006
With a self-care difficulty	1,258	388	832	311
With an independent living difficulty	3,843	2,391	3,038	1,137
Age 35 to 64 years				
With any disability	28,784	24,690	18,390	15,882
With a hearing difficulty	8,468	5,202	5,038	3,008
With a vision difficulty	4,832	4,397	2,543	2,735
With a cognitive difficulty	11,250	8,584	7,156	5,469
With an ambulatory difficulty	14,239	13,413	9,534	8,854
With a self-care difficulty	4,887	4,749	2,850	2,780
With an independent living difficulty	10,052	7,884	6,548	4,664

Continued on next page.

**TABLE 11.14-- DISABILITY STATUS AND NUMBER OF PERSONS WITH A DISABILITY, FOR THE STATE AND OAHU: 2014 -- Con.**

Disability status	State		Oahu	
	Male	Female	Male	Female
65 to 74 years				
With any disability	13,952	13,425	8,687	8,347
With a hearing difficulty	6,117	3,319	3,376	1,943
With a vision difficulty	1,650	2,040	1,000	1,310
With a cognitive difficulty	4,354	2,097	3,169	1,446
With an ambulatory difficulty	7,534	8,572	5,090	5,849
With a self-care difficulty	2,786	1,623	2,232	1,161
With an independent living difficulty	3,879	4,696	3,134	2,962
75 years and over				
With any disability	20,929	32,214	14,492	23,531
With a hearing difficulty	12,408	14,861	8,088	10,137
With a vision difficulty	3,586	4,505	1,546	3,332
With a cognitive difficulty	7,125	13,628	4,670	8,940
With an ambulatory difficulty	11,289	23,751	8,148	17,340
With a self-care difficulty	5,738	10,607	3,634	7,169
With an independent living difficulty	9,725	20,782	6,955	15,278

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates  
 <<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed  
 July 1, 2016.

**Table 11.15-- PERSONS SERVED BY STATE HOMELESS PROGRAMS,  
BY COUNTY: 2009 TO 2015**

[Fiscal year ending June 30]

<b>Year and program</b>	<b>State</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Maui County</b>	<b>Kauai County</b>
2009					
Outreach	7,506	4,969	845	1,291	379
Shelter	7,501	5,295	679	1,115	395
2010					
Outreach	7,997	5,350	1,090	1,161	373
Shelter	7,649	5,660	623	1,016	331
2011					
Outreach	8,266	5,225	1,098	1,580	363
Shelter	8,299	6,211	622	1,154	312
2012					
Outreach	7,804	4,949	1,063	1,407	385
Shelter	8,507	6,305	574	1,297	331
2013					
Outreach	7,415	4,837	832	1,328	418
Shelter	8,699	6,234	565	1,557	343
2014					
Rapid Rehousing	824	686	74	40	24
Outreach	7,608	4,391	1,401	1,488	328
Shelter	8,574	6,039	746	1,448	341
2015					
Rapid Rehousing	981	747	82	147	5
Outreach	8,030	4,755	1,514	1,384	377
Shelter	8,844	6,364	783	1,345	352

Source: Center on the Family at the University of Hawaii and the Hawaii State Department of Human Services, Homeless Programs Office, *Homeless Service Utilization Report* (annual) <<http://uhfamily.hawaii.edu/publications/publications.asp>> accessed July 1, 2016.

**Table 11.16-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE  
STATE HOMELESS OUTREACH PROGRAMS: 2012 TO 2015**

[Fiscal year ending June 30]

Subject	Participants			
	2012	2013	2014	2015
State total	7,804	7,415	7,608	8,030
City & County of Honolulu	4,949	4,837	4,391	4,755
Hawaii	1,063	832	1,401	1,514
Maui	1,407	1,328	1,488	1,384
Kauai	385	418	328	377
Age				
Under 6	482	430	520	493
6 to 17	381	455	467	479
18 to 24	710	615	670	671
25 to 39	1,889	1,835	1,976	1,967
40 to 59	3,565	3,267	3,235	3,247
60 or over	538	622	623	798
Gender 1/				
Male	4,873	4,626	4,621	4,753
Female	2,896	2,757	2,952	3,149
Ethnicity 2/				
Caucasian / white	3,228	3,045	2,978	2,815
Hawaiian / part Hawaiian	2,211	2,140	2,191	2,441
Black	358	395	356	398
Japanese	(3/)	(3/)	(3/)	(3/)
Chinese	(3/)	(3/)	(3/)	(3/)
Korean	(3/)	(3/)	(3/)	(3/)
Filipino	475	404	379	421
Samoan	(4/)	(4/)	(4/)	(4/)
Marshallese	186	190	300	325
Micronesia	359	327	511	451
Other Asian	336	352	306	343
Other Pacific Islander	381	351	336	352
Native American	185	155	161	159
Other / unknown	85	56	90	325

Continued on next page.

**Table 11.16-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE STATE HOMELESS OUTREACH PROGRAMS: 2012 TO 2015 -- Con.**

Subject	Participants			
	2012	2013	2014	2015
Hawaii residence				
1 year or less	813	585	431	731
More than 1 year, less than 10 years	977	979	1,227	1,300
10 years to less than 20 years	(5/)	563	663	646
20 years and over	(5/)	3,348	3,311	3,473
Employment status				
Unemployed	5,268	5,125	5,300	5,298
Employed part-time	450	525	503	586
Employed full-time	312	172	344	402
Educational attainment				
Less than high school diploma 6/	1,385	1,391	1,482	1,471
High school diploma/GED	2,967	3,232	3,679	3,711
Some college or more	1,718	1,162	863	911
Length of homelessness 7/				
1 day or less	145	176	249	(NA)
2 days to less than 1 month	1,151	1,107	1,191	(NA)
1 month to less than 1 year	2,332	2,167	2,285	(NA)
1 to 2 years	976	876	916	(NA)
3 years or more	1,038	1,052	1,077	(NA)

NA Not available.

1/ Doesn't include transgender, the data for transgender individuals are included in rest of table.

2/ Other represents a heterogeneous group of individuals who elected not to identify with any one ethnicity.

3/ From 2011, grouped in "Other Asian."

4/ From 2011, grouped in "Other Pacific Islander."

5/ Prior to 2013 categories named "10 years or more, not lifetime" and "Lifetime resident."

6/ High school seniors who have not yet graduated at the time of intake are included in the "less than high school diploma" category.

7/ "Length of homelessness" is based on self-reports regarding the duration of homelessness at the time of intake. The individual continues to be considered homeless during his or her participation in outreach program services, although this period is not added to the time reported at intake. Therefore, the actual duration of homelessness exceeds the length of time presented in this report.

Source: Center on the Family at the University of Hawaii and the Hawaii State Department of Human Services, Homeless Programs Office, *Homeless Service Utilization Report* (annual) and Center on the Family at the University of Hawaii, *Homeless Service Utilization Report: Statistical Supplement* (annual) <<http://uhfamily.hawaii.edu/publications/publications.asp>> accessed July 1, 2016.

**Table 11.17-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE STATE HOMELESS SHELTER PROGRAMS: 2012 TO 2015**

[Fiscal year ending June 30]

Subject	Participants			
	2012	2013	2014	2015
State total	8,507	8,699	8,574	8,844
City & County of Honolulu	6,305	6,234	6,039	6,364
Hawaii	574	565	746	783
Maui	1,297	1,557	1,448	1,345
Kauai	331	343	341	352
Age				
Under 6	1,627	1,550	1,512	1,446
6 to 17	1,261	1,370	1,345	1,379
18 to 24	833	751	720	718
25 to 39	2,056	2,123	2,039	2,093
40 to 59	2,278	2,367	2,368	2,498
60 or over	414	498	564	696
Gender 1/				
Male	4,679	4,757	4,685	4,856
Female	3,792	3,908	3,867	3,964
Ethnicity 2/				
Caucasian / white	2,131	2,137	2,229	2,361
Hawaiian / part Hawaiian	2,315	2,444	2,539	2,626
Black	413	455	492	514
Japanese	(3/)	(3/)	(3/)	(3/)
Chinese	(3/)	(3/)	(3/)	(3/)
Korean	(3/)	(3/)	(3/)	(3/)
Filipino	440	469	436	496
Samoan	(4/)	(4/)	(4/)	(4/)
Marshallese	858	897	725	663
Micronesia	1,198	1,119	1,120	1,077
Other Asian	350	375	384	394
Other Pacific Islander	569	605	486	499
Native American	132	131	123	166
Other / unknown	101	67	40	48

Continued on next page.

**Table 11.17-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE STATE HOMELESS SHELTER PROGRAMS: 2012 TO 2015 -- Con.**

Subject	Participants			
	2012	2013	2014	2015
Hawaii residence				
1 year or less	684	482	325	651
More than 1 year, less than 10 years	1,272	1,333	1,408	1,402
10 years to less than 20 years	(5/)	440	617	678
20 years and over	(5/)	2,761	2,797	2,957
Employment status				
Unemployed	3,965	4,051	4,062	4,327
Employed part-time	714	808	825	778
Employed full-time	820	733	823	912
Educational attainment				
Less than high school diploma 6/	1,367	1,480	1,390	1,383
High school diploma/GED	2,597	2,830	3,277	3,606
Some college or more	1,525	1,251	879	856
Length of homelessness 7/				
1 day or less	1,116	1,082	1,010	(NA)
2 days to less than 1 month	843	870	903	(NA)
1 month to less than 1 year	1,442	1,564	1,632	(NA)
1 to 2 years	523	507	573	(NA)
3 years or more	306	361	355	(NA)

NA Not available.

1/ Doesn't include transgender, the data for transgender individuals are included in rest of table.

2/ Other represents a heterogeneous group of individuals who elected not to identify with any one ethnicity.

3/ Grouped in "Other Asian."

4/ Grouped in "Other Pacific Islander."

5/ Prior to 2013 categories named "10 years or more, not lifetime" and "Lifetime resident."

6/ High school seniors who have not yet graduated at the time of intake are included in the "less than high school diploma" category.

7/ "Length of homelessness" is based on self-reports regarding the duration of homelessness at the time of intake. The individual continues to be considered homeless during his or her participation in outreach program services, although this period is not added to the time reported at intake. Therefore, the actual duration of homelessness exceeds the length of time presented in this report.

Source: Center on the Family at the University of Hawaii and the Hawaii State Department of Human Services, Homeless Programs Office, *Homeless Service Utilization Report* (annual) and Center on the Family at the University of Hawaii, *Homeless Service Utilization Report: Statistical Supplement* (annual)

<<http://uhfamily.hawaii.edu/publications/publications.asp>> accessed July 7, 2016.

**Table 11.18-- HOMELESS PERSONS, BY SURVEY CATEGORY,  
BY COUNTY: 2012 TO 2016 ESTIMATES**

<b>Year and survey category</b>	<b>State</b>	<b>City &amp; County of Honolulu</b>	<b>County of Maui</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>
January 2012					
Homeless persons	6,246	4,353	874	617	402
Sheltered 1/	3,726	3,035	420	170	101
Households with children	681	534	88	35	24
Persons in families	2,651	2,170	289	108	84
Single individuals	1,075	865	131	62	17
Unsheltered 2/	2,520	1,318	454	447	301
Households with children	111	41	18	28	24
Persons in families	465	174	61	141	89
Single individuals	2,055	1,144	393	306	212
January 2013					
Homeless persons	6,335	4,556	876	557	346
Sheltered 1/	3,745	3,091	421	160	73
Households with children	686	568	77	27	14
Persons in families	2,603	2,190	271	94	48
Single individuals	1,142	901	150	66	25
Unsheltered 2/	2,590	1,465	455	397	273
Households with children	93	43	15	16	19
Persons in families	377	170	50	79	78
Single individuals	2,213	1,295	405	318	195
January 2014					
Homeless persons	6,918	4,712	959	869	378
Sheltered 1/	3,813	3,079	445	211	78
Households with children	663	526	87	35	15
Persons in families	2,649	2,168	301	122	58
Single individuals	1,164	911	144	89	20
Unsheltered 2/	3,105	1,633	514	658	300
Households with children	127	52	13	45	17
Persons in families	519	188	51	220	60
Single individuals	2,586	1,445	463	438	240

Continued on next page.

**Table 11.18-- HOMELESS PERSONS, BY SURVEY CATEGORY,  
BY COUNTY: 2012 TO 2016 ESTIMATES -- Con.**

<b>Year and survey category</b>	<b>State</b>	<b>City &amp; County of Honolulu</b>	<b>County of Maui</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>
January 2015					
Homeless persons	7,620	4,903	1,137	1,241	339
Sheltered 1/	3,777	2,964	505	220	88
Households with children	613	485	78	33	17
Persons in families	2,534	2,055	293	126	60
Single individuals	1,233	909	212	84	28
Unsheltered 2/	3,843	1,939	632	1,021	251
Households with children	185	71	25	77	12
Persons in families	779	285	102	345	47
Single individuals	3,064	1,654	530	676	204
January 2016					
Homeless persons	7,921	4,940	1,145	1,394	442
Sheltered 1/	3,613	2,767	484	271	91
Households with children	569	436	66	49	18
Persons in families	2,331	1,844	242	181	64
Single individuals	1,282	923	242	90	27
Unsheltered 2/	4,308	2,173	661	1,123	351
Households with children	236	77	34	104	21
Persons in families	1,000	299	136	460	105
Single individuals	3,308	1,874	525	663	246

1/ Sheltered homeless: persons or groups of persons who lack a fixed, regular and adequate nighttime residence and stay at a supervised public or private shelter designed to provide temporary alleviation of homelessness through the provision of living accommodations (emergency, transitional or other) or that is an institution that provides temporary residence for individuals intended to be institutionalized.

2/ Unsheltered homeless: persons or groups of persons having a primary nighttime residence that is a public or private place not designed for, or ordinarily used as, a regular sleeping accommodation for persons (including beaches, parks, automobiles, caves, benches, and abandoned or vacant buildings).

Source: State of Hawaii, Department of Human Services, Homeless Programs Office and The City & County of Honolulu, Department of Community Services, *Statewide Homeless Point-in-Time Count 2016 Methodology and Results* <<https://humanservices.hawaii.gov/wp-content/uploads/2016/06/Statewide-2016-PIT-Report-Final.pdf>> accessed July 1, 2016 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 11.19-- HAWAII STATE EMPLOYEES' RETIREMENT SYSTEM:  
1992 TO 2015**

[As of June 30 unless otherwise noted]

Year	Member- ship, 1/	Pensioners and beneficiaries, 1/	Assets, 2/ June 30 (\$1,000)	Total benefits paid 3/ (\$1,000)	Average monthly pension 3/ (dollars)	Adminis- tration expenses 3/ (dollars)
1992	57,401	21,787	4,551,348	284,194	950	2,446,107
1993	59,518	22,387	4,987,341	309,245	1,004	2,274,981
1994	61,082	22,905	5,416,206	331,393	1,057	2,875,676
1995	60,687	25,360	5,599,698	408,206	1,143	2,896,684
1996	59,275	26,926	6,063,298	457,713	1,220	2,960,240
1997	59,500	27,173	7,888,168	436,397	1,276	3,217,348
1998	60,447	27,403	9,051,782	446,789	1,321	3,331,700
1999	61,164	27,950	9,679,760	483,199	1,369	3,775,942
2000	62,207	28,715	9,931,772	518,720	1,414	4,168,717
2001	63,408	29,660	8,761,096	548,799	1,462	4,893,712
2002	66,043	30,330	7,905,453	568,804	1,523	5,754,832
2003	66,442	31,389	7,687,200	605,411	1,533	6,780,824
2004	67,074	32,297	8,565,405	638,543	1,597	10,468,508
2005	68,011	33,301	9,195,868	676,316	1,663	7,259,906
2006	69,233	34,304	9,932,411	720,543	1,719	8,477,837
2007	70,805	35,324	11,462,417	761,005	1,773	9,601,756
2008	72,436	36,260	10,846,789	792,313	1,824	10,728,801
2009	73,928	36,999	8,817,953	839,129	1,906	12,343,484
2010	72,785	38,441	9,821,633	906,386	1,975	12,210,645
2011	71,959	39,689	11,642,278	960,219	2,059	13,325,781
2012	72,508	40,774	11,285,930	1,015,448	2,117	11,634,196
2013	73,538	41,812	12,357,826	1,060,561	2,171	12,277,277
2014	75,311	43,087	14,203,015	1,122,446	2,216	12,626,030
2015	74,723	44,283	14,505,465	1,170,745	(NA)	14,032,964

NA Not available.

1/ March 31 from 1992 through 2011, June 30 thereafter.

2/ Prior to June 30, 1997, assets are reported at cost. Effective June 30, 1997, assets are reported at fair value.

3/ Year ended June 30. Data on total benefits paid exclude the employers' share of social security contributions.

Source: Employees' Retirement System of the State of Hawaii, *Comprehensive Annual Financial Report*, Employees' Retirement System of the State of Hawaii, *Report to Board of Trustees on the Annual Actuarial Valuation* <<http://ers.ehawaii.gov/resources/financials>> accessed July 5, 2016, and records.

**Table 11.20-- UNEMPLOYMENT INSURANCE: 1987 TO 2014**

[Covering private industry, Federal, State and County governments and nonprofit organizations]

Calendar year	Covered employment	Insured unemployment		Average weekly wages (dollars)	Benefit payments (\$1,000)	Average weekly benefits (dollars)	Average benefit duration (weeks)
		Weekly average	Percent coverage				
1987	470,179	7,329	1/ 37.8	364.79	49,900	149.50	13.4
1988	485,707	6,708	1/ 40.8	392.73	50,659	162.51	13.5
1989	508,673	5,238	1/ 39.4	415.75	40,833	170.03	12.0
1990	533,229	5,722	1/ 38.9	444.92	50,269	189.40	11.4
1991	541,415	8,106	1/ 49.4	463.43	83,530	205.70	13.0
1992	544,718	11,933	1/ 47.2	492.94	144,741	235.48	14.8
1993	542,333	13,227	1/ 50.3	503.02	165,877	246.31	17.6
1994	540,015	15,228	1/ 47.1	514.13	193,878	258.72	17.4
1995	535,640	15,819	1/ 45.9	518.88	208,316	262.21	16.0
1996	533,123	15,351	1/ 41.0	526.04	200,050	261.07	17.8
1997	534,210	13,819	1/ 37.0	545.20	176,659	259.30	17.1
1998	533,147	12,978	1/ 35.4	558.83	162,013	258.08	16.4
1999	536,979	11,042	1/ 34.0	573.11	140,528	265.78	16.5
2000	552,445	8,755	1/ 34.0	587.99	111,665	273.16	15.4
2001	556,447	11,884	1/ 43.3	601.21	150,142	282.46	12.8
2002	557,876	12,304	1/ 48.5	628.56	164,500	279.64	19.2
2003	568,549	10,669	1/ 43.0	649.31	144,864	297.67	15.7
2004	584,227	8,513	1/ 41.0	677.21	121,244	311.69	15.6
2005	602,837	6,569	1/ 36.6	699.36	97,794	328.44	14.2
2006	616,950	6,609	1/ 39.6	727.10	107,255	356.79	13.3
2007	624,931	7,032	1/ 39.4	759.24	121,595	373.53	13.6
2008	618,612	11,817	1/ 42.9	782.72	226,187	405.92	13.9
2009	591,054	20,484	1/ 45.4	795.90	401,227	411.08	18.9
2010	585,298	17,837	1/ 39.7	803.18	341,545	406.43	19.7
2011	592,537	14,721	1/ 32.7	817.49	278,391	405.08	18.4
2012	603,796	13,085	1/ 33.6	835.33	254,098	412.68	17.9
2013	617,022	11,670	36.9	843.89	227,929	415.82	16.7
2014	625,077	10,115	34.6	870.27	197,493	421.85	16.7

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Labor and Industrial Relations, *State of Hawaii Unemployment Insurance Fact Book* (annual) and records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 11.21-- CHILD DAY CARE SERVICES (NAICS 6244), BY FEDERAL INCOME TAX STATUS AND BROAD GEOGRAPHIC AREA: 2007 AND 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to 1997]

Geographic area	Number of establishments		Receipts or revenue (\$1,000)		Paid employees for pay period including March 12	
	Subject to tax	Tax exempt	Subject to tax	Tax exempt	Subject to tax	Tax exempt
2007						
State total	30	172	12,655	70,872	274	1,974
Oahu	18	121	10,303	59,103	207	1,558
Neighbor Islands	12	51	2,352	11,769	67	416
2012						
State total	36	209	15,806	95,239	372	2,343
Oahu	24	142	13,638	77,214	309	1,811
Neighbor Islands	12	67	2,168	18,025	63	532

Source: 2007 Economic Census, Health Care and Social Assistance, Geographic Area Series: Summary Statistics: 2007, via American FactFinder <[http://factfinder.census.gov/servlet/DatasetMainPageServlet?\\_program=ECN&\\_tabId=ECN1&\\_submenuId=datasets\\_4&\\_lang=en&\\_ts=246366688395](http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ECN&_tabId=ECN1&_submenuId=datasets_4&_lang=en&_ts=246366688395)> accessed May 28, 2010. 2012 Economic Census of the United States, Health Care and Social Assistance, Geographic Area Series: Summary Statistics: 2012, via American FactFinder <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed June 22, 2015.

**Table 11.22-- LICENSED CHILD CARE CENTERS AND LICENSED FAMILY CHILD CARE PROVIDERS: 2004 TO 2016**

[For 2004 and 2005, centers as of February, providers as of August]

<b>Subject</b>	<b>2004</b>	<b>2005</b>	<b>2007</b>	<b>2008</b>	<b>2016</b>
Licensed child care centers	523	543	570	620	1047
Licensed family child care providers	501	462	496	627	461

Source: Children's Foundation, Washington, D.C., as cited in U. S. Census Bureau, *Statistical Abstract of the United States: 2006* (table 569), *2007* (table 565), *2008* (table 560); National Association for Regulatory Administration, *The 2007 Child Care Licensing Study*, Table 1 <<http://www.nara.affiniscape.com/displaycommon.cfm?an=1&subarticlenbr=160>> accessed on May 28, 2010; *The 2008 Child Care Licensing Study*, Table 1 <[http://www.naralicensing.org/associations/4734/files/Table\\_1\\_NumLicFac\\_2008\\_final.pdf](http://www.naralicensing.org/associations/4734/files/Table_1_NumLicFac_2008_final.pdf)> accessed April 11, 2011 and Department of Health & Human Services, Administration for Children & Families, Office of Child Care, ECE State Profiles <<https://childcareta.acf.hhs.gov/data#tab-ece-state-profiles>> accessed July 6, 2016.

**Table 11.23-- 501(c)(3) PUBLIC CHARITIES IN HAWAII, BY TYPE:  
CIRCA 2010**

[Dollar amounts in millions]

<b>Type</b>	<b>No. of organizations</b>	<b>Total assets</b>	<b>Total liabilities</b>	<b>Contributions, gifts &amp; grants</b>	<b>Total revenue</b>	<b>Total expenses</b>
Total	1,916	12,119.0	3,524.3	1,173.4	4,936.9	4,704.4
Arts, culture, & humanities	292	734.2	98.8	142.2	257.7	207.0
Education	345	8,065.8	821.8	168.9	975.9	964.8
Environment	87	137.0	7.3	31.2	50.3	46.7
Animal-related	33	28.7	3.0	12.1	19.2	17.6
Health care	121	3,093.1	1,562.1	161.5	2,474.8	2,359.5
Mental health & crisis intervention	54	75.9	15.2	45.4	93.4	92.1
Voluntary health assoc. & medical disciplines	38	35.6	11.1	19.5	38.7	37.3
Medical research	11	11.4	2.9	6.1	6.8	6.0
Crime & legal related	44	24.4	8.2	13.8	16.4	16.0
Employment	13	38.9	10.0	6.5	39.0	37.3
Food, agriculture, & nutrition	24	61.3	16.0	50.8	56.5	45.0
Housing, shelter	102	695.9	508.4	68.7	135.5	131.6
Public safety, disaster preparedness & relief	15	1.9	(1/)	1.3	1.8	1.4
Recreation & sports	164	18.0	1.7	9.1	25.4	25.0
Youth development	53	58.8	7.3	28.0	34.1	31.3
Human services	173	494.1	128.5	190.8	355.2	349.3

Continued on next page.

**Table 11.23-- 501(c)(3) PUBLIC CHARITIES IN HAWAII, BY TYPE:  
CIRCA 2010 -- Con.**

<b>Type</b>	<b>No. of organizations</b>	<b>Total assets</b>	<b>Total liabilities</b>	<b>Contributions, gifts &amp; grants</b>	<b>Total revenue</b>	<b>Total expenses</b>
International, foreign affairs & national security	37	56.7	7.3	52.3	64.4	64.6
Civil rights, social action & advocacy	7	3.9	0.4	3.2	5.3	4.8
Community improvement & capacity building	92	68.9	26.9	41.3	48.9	48.5
Philanthropy, voluntarism & grantmaking foundations	73	875.3	69.3	73.1	77.6	75.2
Science & technology	15	147.3	15.3	30.6	39.4	40.4
Social science	6	1.5	0.1	1.7	1.9	1.2
Public & societal benefit	17	5.8	0.3	2.6	4.4	4.1
Religion-related	84	65.8	7.5	11.4	18.9	17.6
Mutual & membership benefit	11	317.4	194.3	1.1	94.3	79.2
Unknown	5	1.3	0.7	0.4	1.0	1.0

1/ Rounds down to zero.

Source: National Center for Charitable Statistics (NCCS) <<http://nccsdataweb.urban.org/tablewiz/pc.php>> accessed June 29, 2012.

**Table 11.24-- QUALITY OF LIFE INDEX RANKINGS, FOR THE STATE AND THE HONOLULU METROPOLITAN STATISTICAL AREA (MSA): 1998 TO 2016**

Area, authority, and year of publication	Number of areas ranked	State or Honolulu rank 1/
<b>State</b>		
Morgan Quitno, 1998	50	30
Morgan Quitno, 1999	50	41
Morgan Quitno, 2000	50	43
Morgan Quitno, 2001	50	34
Morgan Quitno, 2002	50	43
Morgan Quitno, 2003	50	41
Morgan Quitno, 2004	50	32
Morgan Quitno, 2005	50	26
Morgan Quitno, 2006	50	22
Morgan Quitno, 2007	50	19
CQ Press, 2008 2/	50	21
CQ Press, 2009	50	20
CQ Press, 2010	50	17
CQ Press, 2011	50	20
CQ Press, 2013	50	23
CQ Press, 2014	50	22
CQ Press, 2015	50	32
CQ Press, 2016	50	19
<b>Honolulu MSA</b>		
<i>Money</i> , 1998 3/	23	16
<i>Money</i> , 2000	100	45
<i>Money</i> , 2001	100	45
<i>Money</i> , 2002	100	45
<i>Money</i> , 2004	87	(NA)
<i>Money</i> , 2005	100	(NA)
<i>Money</i> , 2006	100	(NA)
<i>Money</i> , 2007	100	(NA)
<i>Money</i> , 2008	100	(NA)
<i>Money</i> , 2009	100	(NA)
<i>Money</i> , 2010	100	(NA)
<i>Money</i> , 2011	100	(NA)
<i>Money</i> , 2012	100	(NA)
<i>Money</i> , 2013	50	(NA)
<i>Money</i> , 2014	50	(NA)
<i>Money</i> , 2015	50	(NA)

NA Not available.

1/ For the State, the scale is 1 to 50, the lower the rank, the better. For the Honolulu MSA, the scale is 1 to 300 for the years 1995 to 1997, the lower the rank, the better; the scale is 1 to 23 for 1998, and 1 to 100 for the years 2000 to 2002, the higher the rank, the better.

2/ Morgan Quitno Press was acquired by CQ Press on June 21, 2007.

3/ In the Western States, comparison limited to medium-size MSAs (250,000 to 1,000,000 inhabitants).

Source: Morgan Quitno, *State Rankings* (annual); CQ Press, *State Rankings* (annual); and Money, "Best Places to Live" (annual) <<http://time.com/money/collection/best-places-to-live-2015/>> accessed July 8, 2016.

## Section 12

# LABOR FORCE, EMPLOYMENT, AND EARNINGS

This section presents statistics on the size and composition of the labor force, employment by occupation, industry, and class of worker, payrolls, wage rates, hours, industrial safety, unionization, and strikes. Related series appear in Sections 3, 9, 10, and 19 through 23.

Principal sources for the data on labor force, employment, place of work, hours, earnings, unions and strikes are the decennial reports of the U.S. Census Bureau, the same agency's Current Population Survey and American Community Survey, reports by the U.S. Bureau of Labor Statistics, monthly and annual tabulations by the Hawaii State Department of Labor and Industrial Relations, and annual surveys of pay rates by the Hawaii Employers Council. *Historical Statistics of Hawaii*, Section 4, includes figures for earlier years. Statistics for the nation as a whole are published in Section 12 of the *Statistical Abstract of the United States: 2012*.

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**Table 12.01-- LABOR FORCE STATUS, BY SEX: 2000 TO 2014**

<b>Sex and labor force status</b>	<b>2000</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>BOTH SEXES</b>						
Persons 16 years & over	950,055	1,093,645	1,102,147	1,122,846	1,128,541	1,143,931
Labor force	612,831	728,635	718,139	735,451	730,827	741,561
Percent in labor force	64.5	66.6	65.2	65.5	64.8	64.8
Armed forces	39,036	34,190	36,340	37,549	45,642	39,496
Civilian labor force	573,795	694,445	681,799	697,902	685,185	702,065
Employed	537,909	638,191	629,523	648,504	643,571	664,180
Unemployed	35,886	56,254	52,276	49,398	41,614	37,885
Percent of civ. lab. force	6.3	8.1	7.7	7.1	6.1	5.4
Not in labor force	337,224	365,010	384,008	387,395	397,714	402,370
<b>MALE</b>						
Persons 16 years & over	473,542	545,137	548,240	563,029	568,536	575,572
Labor force	331,177	388,969	387,494	400,770	399,951	403,642
Percent in labor force	69.9	71.4	70.7	71.2	70.3	70.1
Armed forces	34,368	30,229	32,348	33,816	40,615	35,471
Civilian labor force	296,809	358,740	355,146	366,954	359,336	368,171
Employed	276,483	326,909	324,396	339,042	336,565	346,145
Unemployed	20,326	31,831	30,750	27,912	22,771	22,026
Percent of civ. lab. force	6.8	8.9	8.7	7.6	6.3	6.0
Not in labor force	142,365	156,168	160,746	162,259	168,585	171,930
<b>FEMALE</b>						
Persons 16 years & over	476,513	548,508	553,907	559,817	560,005	568,359
Labor force	281,654	339,666	330,645	334,681	330,876	337,919
Percent in labor force	59.1	61.9	59.7	59.8	59.1	59.5
Armed forces	4,668	3,961	3,992	3,733	5,027	4,025
Civilian labor force	276,986	335,705	326,653	330,948	325,849	333,894
Employed	261,426	311,282	305,127	309,462	307,006	318,035
Unemployed	15,560	24,423	21,526	21,486	18,843	15,859
Percent of civ. lab. force	5.6	7.3	6.6	6.5	5.8	4.7
Not in labor force	194,859	208,842	223,262	225,136	229,129	230,440

Source: U.S. Bureau of the Census, 2000 Census of Population, Table DP-3. Profile of Selected Economic Characteristics: 2000, Geographic area: Hawaii  
 <<http://www.hawaii.gov/dbedt/census2k/profile-state/04015.pdf>> accessed July 23, 2004; U.S. Census Bureau American FactFinder, American Community Survey 1-Year Estimates: Hawaii DP03 Selected Economic Characteristics (annual) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed December 3, 2015; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 12.02-- LABOR FORCE CHARACTERISTICS, BY COUNTY: 2010-2014**

[In number and percent. Average of 2010-2014]

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Population 16 to 64 years	906,763	121,090	637,276	51	43,880	104,466
Male	466,410	60,989	330,181	30	22,280	52,930
Worked in past 12 months (percent)	80.9	71.6	83.0	90.0	78.6	79.7
Usually worked 35 or more hours per week (percent)	66.4	54.4	69.6	83.3	60.3	62.6
50 to 52 weeks (percent)	57.7	46.1	61.2	80.0	50.5	51.9
Female	440,353	60,101	307,095	21	21,600	51,536
Worked in past 12 months (percent)	73.4	68.5	73.6	100.0	73.5	77.7
Usually worked 35 or more hours per week (percent)	52.0	45.8	53.1	81.0	52.5	52.9
50 to 52 weeks (percent)	44.6	39.5	45.6	61.9	45.8	44.2
Females 16 years and over	557,920	76,065	390,553	39	27,688	63,575
In labor force	334,531	42,750	233,115	30	16,802	41,834
Employed or in Armed Forces	314,616	39,562	220,249	30	15,939	38,836
Own children under 18 years in families and subfamilies	287,422	39,471	200,217	-	14,319	33,415
Under 6 years	101,822	13,615	71,576	-	5,209	11,422
All parents in family in labor force	65,147	9,373	43,574	-	3,700	8,500
All parents in family in labor force (percent)	64.0	68.8	60.9	0.0	71.0	74.4
Living with two parents, both parents in labor force	40,069	4,910	28,421	-	2,151	4,587
Living with two parents, mother only in labor force	2,306	213	1,683	-	112	298
Living with one parent (mother), mother in labor force	17,461	2,879	10,781	-	1,003	2,798

Source: U.S. Census Bureau, 2010-2014 American Community Survey for Hawaii State and counties "S2303 Work Status In The Past 12 Months" and "B23008 Age of Own Children Under 18 Years In Families And Subfamilies, By 'Living Arrangements, By Employment Status of Parents" <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> and "DP03: Selected Economic Characteristics: 2010-2014" State and counties <<http://census.hawaii.gov/acs/acs-2014/>> accessed May 26, 2016.

**Table 12.03-- SELECTED LABOR FORCE AND COMMUTING CHARACTERISTICS, BY GEOGRAPHIC AREA: 2010-2014**

[Average of 2010-2014]

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Employment status						
Population 16 years and over	1,118,419	151,514	785,129	72	55,049	126,655
In labor force	731,400	89,633	519,554	57	34,964	87,192
Civilian labor force	691,856	89,501	480,618	53	34,764	86,920
Employed	645,571	81,197	452,324	53	32,633	79,364
Unemployed	46,285	8,304	28,294	-	2,131	7,556
Percent unemployed	6.7	9.3	5.9	0.0	6.1	8.7
Armed forces	39,544	132	38,936	4	200	272
Not in labor force	387,019	61,881	265,575	15	20,085	39,463
Females 16 years and over						
Population 16 years and over	557,920	76,065	390,553	39	27,688	63,575
In labor force	334,531	42,750	233,115	30	16,802	41,834
Civilian labor force	330,341	42,740	229,025	30	16,766	41,780
Employed	310,426	39,552	216,159	30	15,903	38,782
Own children under 6 years						
All parents in family	101,822	13,615	71,576	-	5,209	11,422
in labor force 1/	65,147	9,373	43,574	-	3,700	8,500
Commuting to work						
Workers 16 years and over	668,457	79,289	480,392	55	31,686	77,035
Car, truck, or van - drove alone	444,513	57,461	308,370	16	24,351	54,315
Car, truck or van - carpooled	94,728	10,151	70,422	3	3,479	10,673
Public trans. (excluding taxicab)	43,773	1,094	40,426	-	356	1,897
Walked	31,187	1,966	25,162	25	1,124	2,910
Other means	24,169	1,957	19,377	9	489	2,337
Worked at home	30,087	6,660	16,635	2	1,887	4,903
Mean travel time to work (min.)	26	26	28	11	22	21

1/ Both parents in family where both parents in labor force, or single-parent family, where parent is in labor force.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, Selected Economic Characteristics: 2010-2014 State of Hawaii, and County: Honolulu, Hawaii, Kauai, Maui, Kalawao as extracted by Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center, American Community Survey 2014 Hawaii Geographic Area Profiles (5-Year Estimates) "DP03: Selected Economic Characteristics" <<http://census.hawaii.gov/acs/acs-2014/>> accessed May 26, 2016.

**Table 12.04-- LABOR FORCE STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS AND OVER: ANNUAL AVERAGE, 2013 TO 2015**

[Numbers in thousands and percent. 2014 data are revised and 2015 data are preliminary]

Population group	Persons 16 years and over			16 to 19 years (both sexes)
	Both sexes	Men	Women	
2013				
Civilian noninstitutional population	1,070	521	549	74
Civilian labor force	645	345	300	19
Percent of population	60.3	66.2	54.7	25.7
Employment	614	326	288	16
Percent of population	57.4	62.5	52.5	21.1
Unemployment	31	19	12	3
Rate	4.8	5.5	4.1	18.1
Not in civilian labor force	425	176	249	55
2014				
Civilian noninstitutional population	1,084	528	556	73
Civilian labor force	671	354	317	22
Percent of population	61.9	67.1	57.0	30.0
Employment	642	338	304	18
Percent of population	59.2	63.9	54.7	25.2
Unemployment	29	16	13	3
Rate	4.4	4.7	4.1	15.7
Not in civilian labor force	413	174	239	51
2015				
Civilian noninstitutional population	1,092	533	559	77
Civilian labor force	678	356	322	24
Percent of population	62.1	66.7	57.6	31.3
Employment	652	341	312	21
Percent of population	59.7	63.9	55.8	27.3
Unemployment	25	15	10	3
Rate	3.7	4.3	3.2	13.0
Not in civilian labor force	414	177	237	53

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 2013* <<http://www.bls.gov/lau/table14full2013.pdf>> accessed March 12, 2015; *Ibid. 2014* <<http://www.bls.gov/lau/table14full14.pdf>> accessed July 9, 2016; "Preliminary 2015 Data on Employment Status by State and Demographic Group" <<http://www.bls.gov/lau/ptable14full2015.pdf>> accessed July 9, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.05-- CIVILIAN LABOR FORCE AND UNEMPLOYMENT RATE, TOTAL AND FEMALE, BY RACE AND HISPANIC ORIGIN: 2014 AND 2015**

[Totals may not add due to rounding. Estimates from Annual Local Area Unemployment Statistics (LAUS) and based on U.S. Census Bureau, American Community 5-year average]

Race or origin 1/	Civilian labor force		Unemployed (percent)	
	Both sexes	Female	Both sexes	Female
2014				
All races	668,200	320,350	4.4	3.6
One race				
White	173,300	77,300	4.8	4.2
Black or African American	9,000	3,450	5.1	4.3
American Indian and Alaska Native	1,050	550	2.4	1.8
Asian	298,650	150,900	2.6	2.1
Native Hawaiian and other Pacific Islander	62,700	28,550	7.3	6.5
Some other race	9,550	4,550	10.6	10.0
Two or more races	113,950	55,150	6.2	4.9
Minority group 2/ Hispanic or Latino	546,150 51,300	268,200 25,100	4.6 7.8	3.7 6.9
2015				
All races	677,450	325,250	3.6	3.0
One race				
White	175,600	78,400	4.0	3.5
Black or African American	9,100	3,500	4.3	3.6
American Indian and Alaska Native	1,050	600	2.0	1.6
Asian	303,750	153,600	2.1	1.7
Native Hawaiian and other Pacific Islander	63,250	28,800	6.1	5.4
Some other race	9,600	4,550	8.9	8.4
Two or more races	115,150	55,850	5.1	4.0
Minority group 2/ Hispanic or Latino	553,550 51,700	272,200 25,350	3.8 6.5	3.1 5.8

1/ Based on census definitions. Persons of mixed race are classified by self-identification.

2/ All races except White.

Source: Hawaii State Department of Labor & Industrial Relations, Labor Force Info for Affirmative Action Programs, "Table 1. Labor Force Information by Sex & Race" (annual)

<<https://www.hiwi.org/gsipub/index.asp?docid=462>> accessed October 27, 2015 and June 6, 2016.

**Table 12.06-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE:  
ANNUAL AVERAGE, 1976 TO 2015**

[Data rounded to nearest 50, except percent employed which is rounded to 0.1 percent]

Year	Labor force	Employed	Unemployed	
			Number	Percent
1976	409,850	371,350	38,500	9.4
1977	416,900	384,050	32,850	7.9
1978	418,450	388,850	29,600	7.1
1979	425,550	399,650	25,900	6.1
1980	438,850	416,800	22,050	5.0
1981	450,200	425,800	24,350	5.4
1982	458,800	429,800	28,950	6.3
1983	471,600	442,500	29,100	6.2
1984	473,000	446,150	26,850	5.7
1985	479,150	453,350	25,800	5.4
1986	491,400	467,950	23,450	4.8
1987	510,650	491,200	19,400	3.8
1988	517,800	501,350	16,450	3.2
1989	527,500	514,150	13,300	2.5
1990	550,900	536,200	14,700	2.7
1991	571,600	555,200	16,400	2.9
1992	584,250	558,950	25,300	4.3
1993	586,400	560,100	26,300	4.5
1994	585,200	552,900	32,300	5.5
1995	586,500	552,000	34,450	5.9
1996	595,600	558,150	37,450	6.3
1997	600,950	563,600	37,350	6.2
1998	601,600	564,950	36,650	6.1
1999	602,900	570,400	32,500	5.4
2000	605,950	580,200	25,750	4.2
2001	610,650	583,200	27,450	4.5
2002	600,900	575,600	25,350	4.2
2003	603,100	578,300	24,800	4.1
2004	610,900	590,150	20,750	3.4
2005	626,900	608,950	17,950	2.9
2006	638,250	621,550	16,700	2.6
2007	638,400	620,550	17,850	2.8
2008	639,700	612,100	27,550	4.3
2009	631,700	586,500	45,150	7.2
2010	647,250	602,300	44,950	6.9
2011 1/	660,250	615,300	44,950	6.8
2012 1/	647,650	608,700	38,900	6.0
2013 1/	650,700	619,100	31,600	4.9
2014 1/	668,350	639,150	29,200	4.4
2015 1/	677,450	652,950	24,500	3.6

1/ DLIR benchmarked data in March, 2016. Data for 2011 to 2015 reflect revised population controls and model reestimation and 2011 to 2014 are revised from previous *Data Book*.

Source: Hawaii State Department of Labor & Industrial Relations, "State of Hawaii Not Seasonally Adjusted Civilian Labor Force"

<[https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR\\_LAUS\\_LF.xls](https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR_LAUS_LF.xls)> accessed March 23, 2016.

**Table 12.07-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION FOR HAWAII AND THE UNITED STATES AVERAGE: 2003 TO 2015**

[In percent. The official concept of unemployment includes all jobless persons who are available to take a job and have actively sought work in the past four weeks. This concept has been thoroughly reviewed and validated since the inception of the Current Population Survey (CPS) in 1940. The other measures are provided to data users and analysts who want more narrowly (U-1 and U-2) or broadly (U-4 through U-6) defined measures. All as a percent of the civilian labor force: U-1, persons unemployed 15 weeks or longer; U-2, job losers and persons who completed temporary U-3, total unemployed (this is the definition used for the official unemployment rate); U-4, total jobs, unemployed plus discouraged workers, as a percent of the civilian labor force plus discouraged workers; U-5, total unemployed, plus discouraged workers, plus all other marginally attached workers; and U-6, total unemployed, plus all marginally attached workers, plus total employed part time for economic reasons, as a percent of the civilian labor force plus all marginally attached workers]

Year	Unemployment rate					
	U-1	U-2	U-3	U-4	U-5	U-6
<b>Hawaii</b>						
2003	1.4	2.0	4.3	4.5	5.2	8.9
2004	1.0	1.4	3.4	3.6	4.5	7.5
2005	0.9	1.0	2.9	3.1	3.7	6.4
2006	0.7	1.0	2.7	2.8	3.5	6.2
2007	0.8	1.1	2.9	3.0	3.6	6.4
2008	1.1	1.8	4.2	4.4	5.2	8.8
2009	3.5	4.3	7.4	8.0	9.1	15.5
2010	3.9	3.8	7.0	7.9	8.9	16.9
2011	4.5	4.2	7.3	7.8	9.0	15.1
2012	3.3	3.2	6.0	6.4	7.5	12.8
2013	2.4	2.1	4.8	5.5	6.6	11.5
2014	1.9	1.8	4.4	4.7	5.6	10.2
2015	1.5	1.6	3.7	4.1	5.3	9.7
<b>United States</b>						
2003	2.3	3.3	6.0	6.3	7.0	10.1
2004	2.1	2.8	5.5	5.8	6.5	9.6
2005	1.8	2.5	5.1	5.4	6.1	8.9
2006	1.5	2.2	4.6	4.9	5.5	8.2
2007	1.5	2.3	4.6	4.9	5.5	8.3
2008	2.1	3.1	5.8	6.1	6.8	10.5
2009	4.7	5.9	9.3	9.7	10.5	16.2
2010	5.7	6.0	9.6	10.3	11.1	16.7
2011	5.3	5.3	8.9	9.5	10.4	15.9
2012	4.5	4.4	8.1	8.6	9.5	14.7
2013	3.9	3.9	7.4	7.9	8.8	13.8
2014	3.0	3.1	6.2	6.6	7.5	12.0
2015	2.3	2.6	5.3	5.7	6.4	10.4

Source: U. S. Bureau of Labor Statistics, Alternative Measures of Labor Underutilization for States (Archived Tables) (annual) <[http://www.bls.gov/lau/stalt\\_archived.htm](http://www.bls.gov/lau/stalt_archived.htm)> accessed July 6, 2016.

**Table 12.08-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION  
FOR THE 50 STATES AND THE UNITED STATES AVERAGE: 2015**

[In percent. The official concept of unemployment includes all jobless persons who are available to take a job and have actively sought work in the past four weeks. This concept has been thoroughly reviewed and validated since the inception of the Current Population Survey (CPS) in 1940. The other measures are provided to data users and analysts who want more narrowly (U-1 and U-2) or broadly (U-4 through U-6) defined measures. All as a percent of the civilian labor force: U-1, persons unemployed 15 weeks or longer; U-2, job losers and persons who completed temporary U-3, total unemployed (this is the definition used for the official unemployment rate); U-4, total jobs, unemployed plus discouraged workers, as a percent of the civilian labor force plus discouraged workers; U-5, total unemployed, plus discouraged workers, plus all other marginally attached workers; and U-6, total unemployed, plus all marginally attached workers, plus total employed part time for economic reasons, as a percent of the civilian labor force plus all marginally attached workers]

Year	Unemployment rate					
	U-1	U-2	U-3	U-4	U-5	U-6
United States	2.3	2.6	5.3	5.7	6.4	10.4
Alabama	2.7	2.5	6.1	6.8	7.5	11.2
Alaska	2.3	3.8	6.7	7.2	8.6	12.1
Arizona	2.2	3.0	6.0	6.5	7.4	12.8
Arkansas	1.9	2.6	5.2	5.6	6.4	9.5
California	2.8	3.0	6.2	6.5	7.4	12.7
Colorado	1.3	1.9	3.9	4.0	4.3	7.9
Connecticut	2.8	3.5	5.6	6.1	6.9	10.9
Delaware	2.5	3.0	5.0	5.4	5.9	9.6
District of Columbia	4.4	2.8	6.9	7.3	8.1	10.9
Florida	2.8	2.6	5.4	6.0	6.7	11.5
Georgia	3.1	2.6	5.8	6.3	7.2	11.1
<b>Hawaii</b>	<b>1.5</b>	<b>1.6</b>	<b>3.7</b>	<b>4.1</b>	<b>5.3</b>	<b>9.7</b>
Idaho	1.4	2.2	4.3	4.4	5.0	8.6
Illinois	3.0	3.0	5.9	6.4	7.2	10.9
Indiana	1.7	2.3	4.8	5.1	5.8	9.0
Iowa	0.9	1.8	3.6	3.7	4.3	7.0
Kansas	1.6	2.1	4.3	4.6	5.2	8.2
Kentucky	2.0	2.6	5.4	5.7	6.5	10.3
Louisiana	2.2	3.1	6.2	6.7	7.5	11.1
Maine	1.7	2.2	4.4	4.7	5.6	9.8
Maryland	2.5	2.3	5.2	5.5	6.3	9.3
Massachusetts	2.3	2.7	4.9	5.2	6.0	9.7
Michigan	2.4	2.8	5.4	5.9	6.8	11.4
Minnesota	1.2	2.3	3.8	4.1	4.7	8.2
Mississippi	2.8	3.1	6.5	6.9	7.7	11.7
Missouri	1.5	2.9	5.0	5.4	5.9	9.3
Montana	1.4	2.3	4.1	4.4	4.9	9.0

Continued on next page.

**Table 12.08-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION  
FOR THE 50 STATES AND THE UNITED STATES AVERAGE: 2015 -- Con.**

Year	Unemployment rate					
	U-1	U-2	U-3	U-4	U-5	U-6
Nebraska	0.9	1.3	3.0	3.2	4.0	6.7
Nevada	3.0	3.5	6.9	7.3	8.3	13.9
New Hampshire	1.3	1.9	3.4	3.7	4.2	8.0
New Jersey	3.2	3.4	5.8	6.2	6.9	10.4
New Mexico	2.9	3.1	6.8	7.2	8.2	12.6
New York	2.5	2.4	5.3	5.8	6.7	10.6
North Carolina	2.6	2.6	5.9	6.4	7.1	11.3
North Dakota	0.7	1.4	2.7	2.9	3.4	5.3
Ohio	2.0	2.1	4.9	5.3	6.3	10.1
Oklahoma	1.5	2.0	4.3	4.6	5.3	8.0
Oregon	2.1	2.9	5.7	6.1	6.8	11.7
Pennsylvania	2.4	2.7	5.2	5.5	6.4	10.7
Rhode Island	3.3	3.4	5.9	6.2	7.1	11.4
South Carolina	2.7	2.8	5.9	6.4	7.2	11.4
South Dakota	1.1	1.2	3.5	3.7	4.3	6.3
Tennessee	2.3	2.7	5.7	6.2	6.9	10.7
Texas	1.6	2.1	4.4	4.8	5.3	8.4
Utah	1.0	1.6	3.6	3.8	4.3	7.5
Vermont	1.1	1.8	3.6	3.9	4.7	8.2
Virginia	2.0	2.0	4.5	4.8	5.6	9.8
Washington	2.3	2.9	5.6	6.0	6.8	11.0
West Virginia	3.1	3.3	6.9	7.3	8.4	12.4
Wisconsin	1.7	2.2	4.6	4.8	5.4	8.3
Wyoming	1.0	2.3	4.1	4.3	4.8	8.2

Source: U. S. Bureau of Labor Statistics, Alternative Measures of Labor Underutilization for States (Archived Tables) (annual) <[http://www.bls.gov/lau/stalt\\_archived.htm](http://www.bls.gov/lau/stalt_archived.htm)> accessed July 6, 2016.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,  
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2015**

[Data rounded to nearest 50, except percent employed which is rounded to 0.1 percent]

Year	Honolulu	Hawaii	Kauai	Maui
Civilian labor force				
1990	409,000	58,400	26,150	57,400
1991	418,200	63,600	28,500	61,350
1992	423,850	65,200	29,400	65,800
1993	426,450	65,450	28,450	66,050
1994	424,600	65,600	28,700	66,300
1995	425,450	65,250	28,850	66,950
1996	430,850	67,400	29,100	68,250
1997	432,750	69,400	28,900	69,950
1998	432,450	69,350	29,000	70,800
1999	430,450	70,500	29,350	72,600
2000	430,900	73,900	30,250	70,950
2001	431,950	75,750	30,250	72,650
2002	424,150	75,450	30,000	71,350
2003	424,450	76,750	30,650	71,250
2004	428,000	78,350	31,200	73,400
2005	439,250	80,750	31,900	75,000
2006	444,800	83,850	32,450	77,150
2007	442,500	84,800	32,650	78,450
2008	443,900	84,900	32,650	78,250
2009	439,750	83,900	32,000	76,050
2010	446,200	87,750	34,300	78,950
2011 1/	456,150	88,700	34,900	80,500
2012 1/	448,350	86,150	33,900	79,250
2013 1/	450,900	86,050	33,950	79,800
2014 1/	462,900	87,950	34,900	82,650
2015 1/	468,900	89,050	35,250	84,250
Civilian employed				
1990	400,200	56,150	25,100	54,750
1991	409,350	60,600	27,300	57,900
1992	411,800	60,200	26,500	60,400
1993	412,700	60,350	24,700	62,450
1994	406,700	59,100	24,950	62,200
1995	405,850	58,600	25,550	62,050
1996	408,400	60,850	25,600	63,350
1997	410,500	62,500	25,700	64,850
1998	409,850	62,850	26,200	66,100
1999	410,000	64,550	27,200	68,600
2000	413,100	70,150	28,750	68,150
2001	413,200	71,750	28,650	69,550
2002	406,700	71,850	28,600	68,450

Continued on next page.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,  
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2015 -- Con.**

Year	Honolulu	Hawaii	Kauai	Maui
Civilian employed--con.				
2003	407,550	73,000	29,350	68,450
2004	413,900	75,150	30,100	71,000
2005	427,000	78,000	31,000	72,950
2006	433,500	81,200	31,650	75,250
2007	430,850	81,750	31,800	76,150
2008	426,850	79,800	31,100	74,400
2009	413,200	75,350	28,850	69,100
2010	419,650	79,100	31,300	72,200
2011 1/	429,350	79,950	31,850	74,150
2012 1/	424,150	79,000	31,400	74,150
2013 1/	431,050	80,350	32,050	75,650
2014 1/	444,000	83,050	33,200	78,900
2015 1/	452,950	85,100	33,800	81,050
Unemployed				
1990	8,800	2,250	1,050	2,650
1991	8,850	2,950	1,200	3,400
1992	12,050	5,000	2,900	5,400
1993	13,750	5,100	3,800	3,650
1994	17,900	6,500	3,750	4,150
1995	19,600	6,650	3,300	4,900
1996	22,450	6,600	3,500	4,900
1997	22,250	6,900	3,150	5,100
1998	22,600	6,500	2,800	4,700
1999	20,450	5,900	2,150	4,000
2000	17,750	3,700	1,450	2,800
2001	18,750	4,000	1,600	3,100
2002	17,450	3,600	1,350	2,900
2003	16,900	3,800	1,300	2,850
2004	14,100	3,200	1,100	2,350
2005	12,250	2,800	900	2,050
2006	11,300	2,600	850	1,950
2007	11,650	3,000	900	2,300
2008	17,100	5,100	1,600	3,800
2009	26,550	8,550	3,150	6,950
2010	26,550	8,650	3,000	6,750
2011 1/	26,800	8,700	3,050	6,400
2012 1/	24,150	7,150	2,500	5,100
2013 1/	19,900	5,700	1,900	4,100
2014 1/	18,900	4,850	1,700	3,750
2015 1/	15,900	3,950	1,450	3,150

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**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,  
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2015 -- Con.**

Year	Honolulu	Hawaii	Kauai	Maui
Percent unemployed				
1990	2.1	3.9	3.9	4.6
1991	2.1	4.6	4.3	5.6
1992	2.8	7.7	9.9	8.2
1993	3.2	7.8	13.3	5.5
1994	4.2	9.9	13.1	6.2
1995	4.6	10.2	11.4	7.3
1996	5.2	9.8	12.0	7.2
1997	5.1	9.9	11.0	7.3
1998	5.2	9.4	9.7	6.6
1999	4.7	8.4	7.4	5.5
2000	4.1	5.0	4.8	3.9
2001	4.3	5.3	5.4	4.3
2002	4.1	4.8	4.6	4.1
2003	4.0	4.9	4.2	4.0
2004	3.3	4.1	3.5	3.2
2005	2.8	3.4	2.8	2.7
2006	2.5	3.1	2.6	2.5
2007	2.6	3.6	2.7	2.9
2008	3.8	6.0	4.8	4.9
2009	6.0	10.2	9.8	9.1
2010	6.0	9.9	8.8	8.5
2011 1/	5.9	9.8	8.7	7.9
2012 1/	5.4	8.3	7.3	6.4
2013 1/	4.4	6.7	5.6	5.1
2014 1/	4.1	5.5	4.8	4.5
2015 1/	3.4	4.5	4.1	3.8

1/ DLIR benchmarked data in March, 2016. Data for 2011 to 2015 reflect revised population controls and model reestimation and 2011 to 2014 are revised from previous *Data Book*.

Source: Hawaii State Department of Labor & Industrial Relations, Current and Historical Labor Force Estimates/Unemployment Rates Not Seasonally Adjusted, All Areas (State, County, Islands)  
<[https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR\\_LAUS\\_LF.xls](https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR_LAUS_LF.xls)> accessed March 23, 2016.

**Table 12.10-- UNEMPLOYMENT INSURANCE BENEFITS AND DURATION  
FOR THE UNITED STATES, THE 50 STATES, DISTRICT OF COLUMBIA,  
PUERTO RICO AND THE VIRGIN ISLANDS: 2015 4th QUARTER**

Area	State regular benefits paid (\$1,000) 1/	State extended benefits paid (\$1,000) 1/	Average weekly benefit amount (dollars) 2/	Average duration (weeks) 3/	Average benefits per first payment (dollars) 4/
United States	7,264,880	28	335.17	15.5	4,927
Alabama	47,309	-	219.37	14.5	3,083
Alaska	33,028	-	272.06	17.3	4,472
Arizona	62,702	-	224.14	15.7	3,450
Arkansas	51,515	-	297.33	14.1	4,042
California	1,219,163	2	308.35	17.5	5,227
Colorado	122,971	-	402.47	14.4	5,523
Connecticut	144,962	-	363.69	17.7	5,823
Delaware	17,397	-	259.18	19.1	4,709
District of Columbia	27,063	1	297.21	17.9	5,188
Florida	111,077	1	236.85	11.4	2,636
Georgia	95,709	-	278.11	9.3	2,469
<b>Hawaii</b>	<b>31,721</b>	<b>-</b>	<b>441.48</b>	<b>15.2</b>	<b>6,524</b>
Idaho	21,996	-	303.23	11.9	3,398
Illinois	418,057	2	344.27	16.7	5,643
Indiana	71,673	-	260.80	13.9	3,551
Iowa	91,829	-	372.94	12.7	4,509
Kansas	49,423	-	367.91	12.0	4,270
Kentucky	72,701	-	312.91	18.3	5,452
Louisiana	51,258	-	217.64	16.7	3,558
Maine	20,272	-	303.40	13.3	3,879
Maryland	120,964	-	329.43	16.5	5,254
Massachusetts	316,140	-	469.21	18.0	7,942
Michigan	170,297	-	292.69	12.4	3,378
Minnesota	183,238	-	424.54	15.8	6,269
Mississippi	22,540	-	205.45	13.9	2,768
Missouri	65,414	-	251.17	13.1	3,130
Montana	25,293	-	320.74	14.8	4,241
Nebraska	16,697	-	307.63	12.3	3,620
Nevada	84,513	-	324.49	16.1	4,960
New Hampshire	14,375	-	323.53	13.2	3,862
New Jersey	461,887	-	421.60	18.0	7,014
New Mexico	43,626	-	331.06	17.2	5,453
New York	523,970	-	321.30	17.3	5,208
North Carolina	53,925	3	243.38	11.0	2,539
North Dakota	37,272	-	520.64	12.3	6,105

Continued on next page.

**Table 12.10-- UNEMPLOYMENT INSURANCE BENEFITS AND DURATION  
FOR THE UNITED STATES, THE 50 STATES, DISTRICT OF COLUMBIA,  
PUERTO RICO AND THE VIRGIN ISLANDS: 2015 4th QUARTER -- Con.**

Area	State regular benefits paid (\$1,000) 1/	State extended benefits paid (\$1,000) 1/	Average weekly benefit amount (dollars) 2/	Average duration (weeks) 3/	Average benefits per first payment (dollars) 4/
Ohio	203,092	-	345.92	14.6	4,902
Oklahoma	89,135	-	371.77	15.7	5,702
Oregon	121,657	-	359.01	15.7	5,360
Pennsylvania	511,925	14	392.28	16.1	5,691
Puerto Rico	36,493	-	117.32	18.7	2,163
Rhode Island	30,535	-	341.27	15.3	4,985
South Carolina	42,171	-	251.07	11.0	2,725
South Dakota	4,939	-	307.01	13.7	4,059
Tennessee	58,208	-	230.86	13.1	2,918
Texas	688,956	1	392.71	15.4	5,712
Utah	38,559	-	373.72	12.1	4,396
Vermont	13,778	-	331.32	13.9	4,272
Virgin Islands	2,917	-	316.73	17.3	5,390
Virginia	86,867	-	306.04	15.4	4,514
Washington	244,443	-	427.60	14.9	5,896
West Virginia	54,784	-	308.52	14.9	4,347
Wisconsin	111,723	5	306.87	14.1	3,801
Wyoming	22,722	-	400.58	14.4	5,655

1/ Regular benefits are the unemployment benefits paid to individuals under a state program, usually the first 26 weeks of benefits, for all weeks compensated including partial payments (ETA 5159). Extended benefits paid is a supplemental program that pays extended compensation during periods of specified high unemployment in a state to individuals for weeks of unemployment after exhaustion of regular UI benefits. One-half of extended benefits is funded by the state trust fund (ETA 5159).

2/ Benefits paid for total unemployment divided by weeks compensated for total unemployment (ETA 5159).

3/ The number of weeks compensated for the year divided by the number of first payments (ETA 5159).

4/ Benefits Paid for all weeks compensated divided by the number of first payments.

Source: U.S. Department of Labor, Employment and Training Administration (ETA), "Unemployment Insurance Data Summary, Benefits and Duration Data, 4th Quarter 2015"

<<http://www.ows.doleta.gov/unemploy/content/data.asp>> accessed June 3, 2016.

**Table 12.11-- CHARACTERISTICS OF THE INSURED UNEMPLOYED:  
ANNUAL AVERAGE, 2015**

[As percent of total. Includes all eligible claimants who filed new claims for unemployment insurance benefits during the year. Includes both intrastate and interstate agent claimants]

Characteristic	Percent	Characteristic	Percent
Total	100.0	Industry - Con.	
		Public administration	0.1
Age		Information not available	11.5
Under 22 years	1.2	Occupation	
22 to 24 years	3.1	Management	8.5
25 to 34 years	22.2	Business/financial operations	2.8
35 to 44 years	23.0	Computer/mathematical	1.1
45 to 54 years	23.8	Architecture/engineering	0.8
55 to 64 years	20.1	Life/physical/social science	0.8
65 years and over	6.7	Community/social services	1.2
Sex		Legal	0.4
Male	63.0	Education/training/library	2.9
Female	37.1	Arts/entertainment/sports	2.6
Duration		Healthcare practitioner/technical	1.4
1 to 4 weeks	41.0	Healthcare support	1.6
5 to 14 weeks	35.9	Protective service	1.2
15 weeks and over	23.2	Food preparation/serving	8.0
Industry		Building/grounds maintenance	3.0
Government - state	3.8	Personal care/service	2.1
Government - county	0.5	Sales related	6.2
Agriculture/forestry/fishing	1.6	Office/administrative support	9.4
Mining 1/	0.0	Farming/fishing/forestry	1.8
Utilities	0.2	Construction/extraction	28.9
Construction	27.4	Installation/maintenance/repair	3.1
Manufacturing	2.2	Production	2.6
Wholesale trade	1.7	Transportation/material moving	4.0
Retail trade	5.6	Information not available	5.3
Transportation/warehousing	3.8	Race	
Information	2.0	American Indian	0.7
Finance/insurance	1.2	Chinese	3.1
Real estate/rental/leasing	1.4	Filipino	17.5
Professional/technical services	4.2	Japanese	8.1
Management of companies	0.7	Other Asians	2.6
Administrative/waste services	12.7	Black	1.8
Educational services	1.5	Hawaiian	23.2
Health care/social assistance	5.0	Other Pacific Islander	5.5
Arts/entertainment/recreation	1.1	White & Latino	23.6
Accommodation/food services	9.8	Others	13.8
Other services	2.1	Information not available	0.1

1/ An industry may have claimants in one or more months in 2015 and yet round to 0.0 percent of total, e.g. Mining had an annual average of 3 claimants for 0.0 percent.

Source: Hawaii State Department of Labor & Industrial Relations "Characteristics of the Insured Unemployed in Hawaii - 2015" <<http://labor.hawaii.gov/rs/files/2013/01/CIUpub2015-final.pdf>> accessed July 6, 2016.

**Table 12.12-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGE,  
1990 TO 2015**

[Persons holding more than one job are counted in each position. As a result, these data differ from corresponding estimates of employment, reported elsewhere in this section. Active-duty armed forces are excluded, unless also employed in civilian jobs. Persons not working because of labor disputes are included. Data for the component nonagriculture jobs are rounded to the nearest 50 except for 2000, which is rounded to the nearest 100. Totals may not add due to rounding. Includes Agriculture. Data for Hawaii and Kauai counties are not U.S. Bureau of Labor Statistics' supported]

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1990	537,950	413,000	49,000	25,250	50,850
1991	548,650	417,750	51,650	26,350	52,850
1992	552,100	420,200	51,400	25,700	54,900
1993	547,350	416,900	50,900	23,450	56,200
1994	544,100	413,700	50,250	23,950	56,350
1995	540,200	410,250	49,550	24,450	56,000
1996	538,100	406,750	50,750	24,150	56,250
1997	538,800	405,550	51,850	24,200	57,150
1998	538,850	403,100	52,400	24,700	58,500
1999	542,700	403,600	53,350	25,500	60,250
2000	559,300	414,200	56,000	26,550	62,450
2001	562,350	414,750	57,350	26,300	63,950
2002	563,950	414,800	58,350	26,750	64,000
2003	574,750	421,800	60,100	27,800	64,900
2004	590,650	431,900	62,400	28,750	67,600
2005	608,600	444,650	64,700	29,550	69,700
2006	624,000	453,650	67,750	30,350	72,250
2007	631,350	456,950	69,250	31,050	74,100
2008	625,350	454,300	67,900	30,450	72,700
2009	597,650	438,700	63,700	28,100	67,150
2010	593,200	436,050	63,050	28,150	66,050
2011	600,400	441,400	63,350	28,300	67,300
2012	612,800	(NA)	(NA)	(NA)	(NA)
2013 1/ 2/	625,100	(NA)	(NA)	(NA)	(NA)
2014 1/ 2/	634,200	(NA)	(NA)	(NA)	(NA)
2015 1/ 2/	643,400	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Data were benchmarked by the Department of Labor & Industrial Relations (DLIR) in March 2016.

2/ DLIR discontinued estimates of Agriculture jobs in December, 2011. DBEDT preliminary estimates are based on National Agricultural Statistics Service survey data.

Source: Hawaii State Department of Labor and Industrial Relations, Job Count by Industry - Not Seasonally Adjusted Data, Historical Series <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed March 23, 2016; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed April 29, 2015. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2016* <[http://files.hawaii.gov/dbedt/economic/data\\_reports/qser/archive-qser/qser-2016q2.pdf](http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2016q2.pdf)> forthcoming.

**Table 12.13-- JOBCOUNT, BY NAICS INDUSTRY: ANNUAL AVERAGE,  
2011 TO 2015**

[Data rounded to nearest 50. Totals may not add due to rounding or residual categories. Data are according to the North American Industry Classification System]

Industry	2011 1/	2012 1/	2013 1/	2014 1/	2015
Total wage & salary 2/	600,400	612,800	625,100	634,200	643,400
Nonagriculture, wage & salary	593,400	606,300	618,600	627,200	636,900
Natural resources, mining, construction	28,800	29,400	31,000	32,100	34,900
Manufacturing	13,300	13,300	13,600	13,900	14,000
Durable goods	3,900	3,600	3,600	3,600	3,700
Non-durable goods	9,400	9,700	10,000	10,300	10,300
Trade, transportation & utilities	111,500	114,800	116,900	117,700	119,100
Wholesale trade	17,500	17,700	17,700	17,700	18,000
Retail trade	67,000	68,800	69,700	69,900	70,300
Transportation, warehousing & utilities	27,100	28,300	29,500	30,100	30,800
Utilities	3,300	3,600	3,800	3,800	3,800
Transportation & warehousing	23,700	24,800	25,800	26,300	27,000
Air transportation	7,100	7,700	8,300	8,600	8,700
Information	8,500	8,400	8,800	8,500	8,500
Telecommunications	3,500	3,600	3,800	3,900	4,000
Financial activities	26,600	26,700	27,200	27,600	28,100
Finance & insurance	15,300	15,200	15,300	15,600	16,100
Real estate, rental, leasing	11,400	11,500	11,800	12,000	12,000
Professional & business services	75,300	77,100	79,900	82,300	83,400
Education & health services	75,900	77,100	78,900	79,000	81,300
Education services	14,500	15,000	14,900	14,100	14,200
Health care & social assistance	61,400	62,200	64,100	64,900	67,100
Ambulatory health care services	24,100	24,900	25,500	26,400	27,400
Hospitals	14,600	14,300	14,700	14,900	15,400
Nursing & residential care facilities	7,400	7,600	7,900	8,000	8,200
Social assistance	15,300	15,400	16,000	15,700	16,000
Individual & Family Services	8,900	9,000	9,300	9,100	9,400
Leisure and hospitality	103,100	107,500	111,200	113,300	114,300
Arts, entertainment & recreation 3/	10,500	11,300	12,000	12,000	11,800
Accommodation & food services	92,500	96,200	99,300	101,300	102,500
Accommodation	35,800	37,700	38,600	39,200	39,200
Food services and drinking places	56,800	58,500	60,700	62,000	63,400
Full-Service Restaurants	29,900	31,900	33,300	34,200	34,800
Other services	25,900	26,300	26,600	26,600	26,700
Government	124,600	125,500	124,500	126,300	126,600
Federal	34,900	34,900	33,900	33,200	33,200
Department of Defense	19,100	19,100	18,300	17,900	18,200
State	71,100	72,100	71,900	74,200	74,500
Education (DOE & UH)	47,900	48,000	47,700	49,400	50,300
Local	18,500	18,500	18,700	18,800	18,900
Agriculture 2/	7,000	6,500	6,500	7,000	6,500

1/ DLIR benchmarked data in March, 2016.

2/ DLIR discontinued estimates in December, 2011. DBEDT preliminary estimates are based on National Agricultural Statistics Service, Hawaii Field Office (NASS- HFO)

<[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Archive/](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Archive/)> accessed March 23, 2016.

3/ DLIR no longer provides county detail. DBEDT estimates as residual.

Source: Hawaii State Department of Labor and Industrial Relations, Job Count by Industry - Not Seasonally Adjusted Data, Historical Series <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed March 23, 2016; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed March 23, 2016. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2016* <[http://files.hawaii.gov/dbedt/economic/data\\_reports/qser/archive-qser/qser-2016q2.pdf](http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2016q2.pdf)>.

**Table 12.14-- EMPLOYMENT BY NAICS INDUSTRY: 2013 AND 2014**

[Based on the North American Industry Classification System. Economic characteristics not available from the Census 2010]

Industry	2013		2014	
	Number	Percent	Number	Percent
Employed civilian population 16 years and over	643,571	100.0	664,180	100.0
Agriculture, forestry, fishing and hunting, and mining	9,311	1.4	11,796	1.8
Construction	45,006	7.0	44,168	6.7
Manufacturing	18,623	2.9	20,703	3.1
Wholesale trade	14,750	2.3	15,196	2.3
Retail trade	74,868	11.6	78,535	11.8
Transportation and warehousing, and utilities	39,941	6.2	39,443	5.9
Information	11,524	1.8	9,729	1.5
Finance, insurance, real estate, & rental & leasing	43,527	6.8	42,787	6.4
Professional, scientific, management, administrative, and waste management services	60,784	9.4	69,255	10.4
Educational, health and social services	138,649	21.5	135,646	20.4
Arts, entertainment, recreation, accommodation and food services	102,940	16.0	109,955	16.6
Other services (except public administration)	26,272	4.1	26,932	4.1
Public administration	57,376	8.9	60,035	9.0

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, DP-03 Selected Economic Characteristics: Hawaii (annual)  
 <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 9, 2016.

**Table 12.15-- EMPLOYMENT BY THE 25 LARGEST PRIVATE EMPLOYERS: 2015**

[As of December 31. Only firms that responded to survey were included. Outrigger Hotels Hawaii, No. 9, and Kuakini Health System, No. 23 on last year's list, declined to participate]

Rank	Employer	Employees
1	The Queen's Health Systems	7,278
2	Hawaii Pacific Health	6,617
3	Hawaiian Airlines, Inc.	5,548
4	Starwood Hotels & Resorts Hawaii	5,507
5	Hilton Hotels Hawaii Region	5,400
6	Kaiser Foundation Health Plan	4,424
7	Hawaiian Electric Industries, Inc.	3,918
8	Securitas Security Services USA, Inc.	2,544
9	Kamehameha Schools	2,218
10	Bank of Hawaii Corp.	2,216
11	Safeway, Inc.	2,188
12	First Hawaiian Bank	2,070
13	Oahu Transit Services, Inc.	1,850
14	Roberts Hawaii Holdings, Inc.	1,790
15	Hawaii Medical Service Association	1,690
16	Matson, Inc.	1,663
17	Servco Pacific, Inc.	1,642
18	Hawaii Pacific University	1,625
19	Alexander & Baldwin, Inc.	1,496
20	Oceanic Time Warner Cable	1,385
21	Hawaiian Telcom HoldCo, Inc.	1,322
22	Four Seasons Resort Hualalai	1,250
23	Castle Medical Center	1,015
24	Halekulani Corp.	956
25	Grand Hyatt Kauai Resort & Spa	950

Source: *Pacific Business News*, "The List Employers - Statewide, Ranked by Number of Employees as of December 31, 2015" (July 1, 2016), page 14.

**Table 12.16-- JOBCOUNT BY NAICS INDUSTRY, BY COUNTY:  
ANNUAL AVERAGE, 2015**

[Data rounded to nearest 50. Totals may not add due to rounding or residual categories. Data are according to according to the North American Industry Classification System and were benchmarked in March, 2016]

Industry	State total	City & Cty of Honolulu	Hawaii County	Kauai County	Maui County
Total wage & salary 1/	643,400	(1/)	(1/)	(1/)	(1/)
Nonagriculture, wage & salary	636,900	468,400	65,400	29,900	73,100
Natural resources, mining, construction	34,900	25,800	3,900	1,500	3,700
Manufacturing	14,000	11,200	1,100	400	1,200
Durable goods	3,700	3,000	200	100	300
Non-durable goods	10,300	8,200	900	300	900
Trade, transportation & utilities	119,100	84,200	13,800	5,900	15,200
Wholesale trade	18,000	14,300	1,700	500	1,500
Retail trade	70,300	47,700	9,000	3,900	9,700
Transportation, warehousing & utilities	30,800	22,200	3,100	1,500	4,000
Utilities	3,800	(NA)	(NA)	(NA)	(NA)
Transportation & warehousing	27,000	19,700	(NA)	(NA)	(NA)
Air transportation	8,700	7,200	600	300	600
Information	8,500	7,100	600	200	600
Telecommunications	4,000	3,400	300	(NA)	(NA)
Financial activities	28,100	21,100	2,700	1,400	2,900
Finance & insurance	16,100	13,400	1,200	600	900
Real estate, rental, leasing	12,000	7,800	(NA)	(NA)	(NA)
Professional & business services	83,400	67,500	6,200	2,800	7,000
Education & health services	81,300	63,800	8,300	2,700	6,500
Education services	14,200	11,800	1,200	200	1,100
Health care & social assistance	67,100	52,000	7,100	2,500	5,400
Ambulatory health care services	27,400	20,400	(NA)	(NA)	(NA)
Hospitals	15,400	14,500	(NA)	(NA)	(NA)
Nursing & residential care facilities	8,200	(NA)	(NA)	(NA)	(NA)
Social assistance	16,000	(NA)	(NA)	(NA)	(NA)
Individual & Family Services	9,400	(NA)	(NA)	(NA)	(NA)
Leisure and hospitality	114,300	67,900	13,700	9,400	23,400
Arts, entertainment & recreation 2/	11,800	7,300	1,300	1,200	2,100
Accommodation & food services	102,500	60,600	12,400	8,200	21,300
Accommodation	39,200	17,000	6,200	4,200	11,800
Food services and drinking places	63,400	43,600	6,200	4,000	9,500
Full-service restaurants	34,800	21,900	3,600	2,700	6,600
Other services	26,700	20,900	1,900	1,000	3,000
Government	126,600	99,000	13,200	4,600	9,800
Federal	33,200	30,600	1,300	500	800
Department of Defense	18,200	17,900	100	200	(NA)
State	74,500	56,300	9,200	2,800	6,300
Education (DOE & UH)	50,300	39,700	5,600	1,600	3,400
Local	18,900	12,200	2,700	1,300	2,700
Agriculture 1/	6,500	(1/)	(1/)	(1/)	(1/)

NA Not available.

1/ DLIR discontinued estimates of Agriculture jobs in December, 2011. DBEDT preliminary estimates are based on National Agricultural Statistics Service survey data.

2/ DLIR no longer provides Hawaii, Kauai, and Maui county detail. DBEDT calculates as residual.

Source: Hawaii State Department of Labor and Industrial Relations, Job Count by Industry - Not Seasonally Adjusted Data, Historical Series <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed March 23, 2016; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed March 23, 2016. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2016* <[http://files.hawaii.gov/dbedt/economic/data\\_reports/qser/archive-qser/qser-2016q2.pdf](http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2016q2.pdf)>.

**Table 12.17-- OCCUPATION: 2013 AND 2014**

[Economic characteristics not available from the Census 2010]

Occupation	2013		2014	
	Number	Percent	Number	Percent
Civilian employed population 16 years and over	643,571	100.0	664,180	100.0
Management, business, science, and arts	220,337	34.2	227,022	34.2
Service	144,245	22.4	152,657	23.0
Sales and office	161,443	25.1	165,301	24.9
Natural resources, construction, and maintenance	60,000	9.3	61,834	9.3
Production, transportation, and material moving	57,546	8.9	57,366	8.6

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, DP-03 Selected Economic Characteristics: Hawaii (annual)  
<<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 9, 2016.

**Table 12.18-- CIVILIAN JOBS PROJECTIONS, BY SECTOR AND  
BY TYPE, BY COUNTY: 2010 TO 2040**

[See Section 1 for population and Section 13 for gross domestic product and personal income projections from the same source. Projections for 2015 to 2040 were rounded to the nearest ten]

Year	Total civilian jobs	By sector		By type	
		Private 1/	Government	Wage and salary	Self-employed
State total					
2010 2/	792,057	651,370	140,687	623,573	168,484
2015	836,880	691,940	144,940	649,210	187,670
2020	881,410	731,980	149,430	673,780	207,630
2025	923,070	769,110	153,960	695,410	227,660
2030	964,600	806,060	158,540	716,250	248,350
2035	1,004,910	842,120	162,790	735,450	269,460
2040	1,044,900	877,910	166,990	753,740	291,160
Honolulu					
2010 2/	562,820	452,020	110,800	458,600	104,230
2015	587,750	474,180	113,570	474,230	113,520
2020	611,770	495,320	116,450	489,040	122,740
2025	633,060	513,720	119,340	501,690	131,370
2030	653,450	531,230	122,220	513,580	139,870
2035	672,390	547,520	124,870	524,250	148,130
2040	690,360	562,910	127,450	534,120	156,230
Hawaii					
2010 2/	93,927	79,769	14,158	66,310	27,610
2015	102,880	87,940	14,940	70,990	31,890
2020	112,230	96,440	15,790	75,660	36,570
2025	121,620	104,960	16,660	80,070	41,550
2030	131,430	113,860	17,570	84,520	46,910
2035	141,390	122,960	18,430	88,810	52,580
2040	151,690	132,400	19,290	93,090	58,600

Continued on next page.

**Table 12.18-- CIVILIAN JOBS PROJECTIONS, BY SECTOR AND BY COUNTY: 2010 TO 2040 -- Con.**

Year	Total civilian jobs	By sector		By type	
		Private 1/	Government	Wage and salary	Self-employed
Maui					
2010 2/	94,360	83,460	10,900	69,160	25,200
2015	102,520	91,100	11,420	73,230	29,290
2020	110,890	98,910	11,980	77,140	33,750
2025	119,160	106,600	12,560	80,670	38,480
2030	127,730	114,590	13,140	84,170	43,560
2035	136,390	122,690	13,700	87,470	48,920
2040	145,310	131,060	14,250	90,700	54,610
Kauai					
2010 2/	40,940	36,110	4,830	29,500	11,440
2015	43,720	38,710	5,010	30,760	12,960
2020	46,520	41,310	5,210	31,940	14,580
2025	49,230	43,830	5,400	32,980	16,260
2030	51,990	46,380	5,610	33,980	18,010
2035	54,750	48,950	5,800	34,920	19,830
2040	57,540	51,550	5,990	35,820	21,710

1/ Calculated here as 'Total civilian jobs' less 'Government'.

2/ Actual State data from the U.S. Bureau of Economic Analysis, Regional Economic Accounts, State Personal Income series. See also <<http://www.bea.gov/regional/index.htm>>. DBEDT estimate for counties.

Source: Hawaii Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2040* (March 2012), Appendix Tables A-42 to A-56 <[http://hawaii.gov/dbedt/info/economic/data\\_reports/2040-long-range-forecast](http://hawaii.gov/dbedt/info/economic/data_reports/2040-long-range-forecast)> accessed April 2, 2012.

**Table 12.19-- CIVILIAN JOBS PROJECTIONS, BY NAICS INDUSTRY:  
2010 TO 2040**

[See Section 1 for population and Section 13 for gross domestic product and personal income projections from the same source. Projections for 2015 to 2040 were rounded to the nearest ten. Based on the North American Industry Classification System (NAICS)]

<b>Industry</b>	<b>2010 1/</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>
Total civilian jobs	792,057	836,880	881,410	923,070	964,600	1,004,910	1,044,900
Agriculture	15,767	16,080	16,340	16,540	16,720	16,870	17,000
Mining and construction	41,079	43,920	46,650	48,310	49,830	51,490	53,170
Food processing	6,042	6,180	6,290	6,380	6,460	6,530	6,600
Other manufacturing	10,889	11,150	11,380	11,570	11,740	11,890	12,040
Transportation	27,119	28,370	29,460	30,330	31,210	32,080	32,950
Information	11,799	12,010	12,780	13,400	14,140	14,820	15,460
Utilities	3,428	3,620	3,800	3,970	4,130	4,280	4,430
Wholesale trade	21,562	22,180	22,760	23,250	23,700	24,100	24,480
Retail trade	83,177	85,580	87,740	89,580	91,260	92,680	93,960
Finance and insurance	30,578	32,190	33,830	35,420	36,890	38,260	39,560
Real estate and rentals	37,087	38,020	38,810	39,460	40,040	40,520	40,950
Professional services	43,933	47,990	52,150	56,280	60,480	64,720	69,040
Business services	62,538	69,230	76,230	83,360	90,550	97,850	105,290
Educational services	19,179	21,210	23,260	25,320	27,420	29,500	31,600
Health services	72,659	80,250	87,980	95,810	103,730	111,490	119,180
Arts and entertainment	20,801	22,120	23,320	24,370	25,440	26,480	27,520
Hotels	35,527	36,950	38,060	38,830	39,640	40,470	41,340
Eating and drinking	59,124	62,840	66,260	69,340	72,420	75,410	78,350
Other services	49,082	52,050	54,910	57,610	60,230	62,670	65,000
Government	140,687	144,940	149,430	153,960	158,540	162,790	166,990

1/ Actual data from the U.S. Bureau of Economic Analysis, Regional Economic Accounts, State Personal Income series. See also <<http://www.bea.gov/regional/index.htm>>.

Source: Hawaii Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2040* (March 2012), Appendix "Table A-42. Hawaii State Civilian Total Jobs by Sector, 2010-2040" <[http://hawaii.gov/dbedt/info/economic/data\\_reports/2040-long-range-forecast](http://hawaii.gov/dbedt/info/economic/data_reports/2040-long-range-forecast)> accessed April 2, 2012.

**Table 12.20-- EMPLOYMENT BY CLASS OF WORKER: 1940 TO 2014**

[Persons 14 years and over through 1960; 16 years and over thereafter]

Year	All employed civilians	Private wage and salary workers	Government workers	Self-employed workers 1/	Unpaid family workers
1940	153,796	113,551	18,553	15,967	5,725
1950	167,571	111,036	34,400	19,192	2,943
1960	209,370	144,602	46,078	17,009	1,681
1970	285,556	200,912	70,547	12,832	1,265
1980	415,181	300,315	90,401	22,965	1,500
1990	529,059	385,061	107,777	34,291	1,930
2000	537,909	381,606	112,999	41,109	2,195
2010 2/	638,191	446,836	140,358	50,997	
2011 2/	629,523	427,447	135,118	66,958	
2012 2/	648,504	447,454	132,852	68,198	
2013 2/	643,571	462,020	135,462	46,089	
2014 2/	664,180	482,208	134,009	47,963	

1/ In own not incorporated business.

2/ Reported in each survey year's inflation-adjusted dollars, i.e. current dollars for that year.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960, General Social and Economic Characteristics, Hawaii*, Final Report PC (1)-13C (February 1962), table 56; *1970 Census of Population, General Social and Economic Characteristics, Hawaii*, PC(1)-C13 (December 1971), table 56; *1980 Census of Population, General Social and Economic Characteristics, Hawaii*, PC80-1-C-13 (June 1983), table 67; *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 27; Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000, Geographic area: Hawaii <<http://www.hawaii.gov/dbedt/census2k/profile-state/04015.pdf>> accessed July 23, 2004; Ibid, American Community Survey 1-Year Estimates - Hawaii "S2408: Class of Worker By Sex and Median Earnings in the Past 12 Months (in 2014 Inflation-Adjusted Dollars) for the Civilian Employed Population 16 Years and Over" <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> (annual, beginning with the 2010) accessed June 27, 2016.

**Table 12.21-- FULL- AND PART-TIME EMPLOYMENT, BY TYPE AND BY STATUS: 1969 TO 2014**

[In number of jobs, full-time plus part-time, by place of work. Full-time and part-time jobs are counted at equal weight. Employees, sole proprietors, and active partners are included, but unpaid family workers and volunteers are excluded. Proprietors employment consists of the number of sole proprietorships and the number of partners in partnerships]

Year	Total	By type		By status	
		Wage and salary	Proprietors	Civilian	Military
1969	415,912	368,900	47,012	346,309	69,603
1970	433,555	385,181	48,374	364,606	68,949
1971	436,830	389,108	47,722	371,244	65,586
1972	452,960	400,094	52,866	386,610	66,350
1973	473,087	418,518	54,569	402,547	70,540
1974	485,226	425,912	59,314	414,330	70,896
1975	499,203	434,443	64,760	427,061	72,142
1976	504,799	440,767	64,032	435,629	69,170
1977	509,265	448,947	60,318	442,869	66,396
1978	527,519	469,403	58,116	461,103	66,416
1979	556,339	488,281	68,058	491,235	65,104
1980	574,555	498,755	75,800	508,098	66,457
1981	567,762	496,535	71,227	504,818	62,944
1982	566,510	491,843	74,667	503,882	62,628
1983	576,830	501,857	74,973	510,967	65,863
1984	582,402	508,739	73,663	513,996	68,406
1985	597,946	521,605	76,341	529,042	68,904
1986	611,862	531,289	80,573	544,171	67,691
1987	642,686	554,533	88,153	573,624	69,062
1988	668,691	570,377	98,314	599,878	68,813
1989	696,362	597,113	99,249	627,892	68,470
1990	724,262	618,833	105,429	657,037	67,225
1991	745,447	629,443	116,004	677,963	67,484
1992	746,137	634,001	112,136	680,420	65,717
1993	741,780	625,580	116,200	678,710	63,070
1994	736,771	618,941	117,830	675,553	61,218
1995	734,039	611,684	122,355	675,401	58,638
1996	733,396	607,850	125,546	676,955	56,441
1997	733,761	607,070	126,691	678,309	55,452
1998	738,304	606,429	131,875	683,445	54,859
1999	737,193	607,879	129,314	684,114	53,079
2000	752,662	624,169	128,493	700,166	52,496
2001	756,549	628,021	128,528	702,897	53,652
2002	761,948	631,241	130,707	709,029	52,919
2003	778,184	642,743	135,441	725,393	52,791
2004	802,419	658,782	143,637	748,661	53,758
2005	826,725	675,167	151,558	773,706	53,019
2006	849,035	691,638	157,397	794,672	54,363
2007 1/	872,496	700,035	172,461	817,981	54,515
2008 1/	867,618	695,147	172,471	811,571	56,047
2009 1/	839,928	667,763	172,165	784,265	55,663
2010 1/	832,877	661,830	171,047	776,640	56,237
2011 1/	844,313	669,911	174,402	787,226	57,087
2012 1/	858,289	681,247	177,042	800,833	57,456
2013 1/	877,229	693,974	183,255	819,872	57,357
2014	890,346	704,326	186,020	833,000	57,346

1/ 'Total', 'Proprietors', and 'Civilian' revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, State Annual Personal Income, Income and employment tables by SIC industry, 1969-2001 (SA25) and Income and employment tables by NAICS industry, 2001-2014 (SA25N, September 30, 2015) <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed September 30, 2015.

**Table 12.22-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME:  
ANNUAL AVERAGE, 2011 TO 2014**

[Number in thousands]

<b>Year and population group</b>	<b>Total</b>	<b>Men</b>	<b>Women</b>	<b>16 to 19 years (both sexes)</b>
2011				
Full- and part-time	619	319	299	14
Full-time total	500	270	230	5
Full-time not at work	14	7	7	(1/)
Part-time total	119	49	69	9
Economic reasons	32	17	15	1
Non- economic reasons	80	30	50	8
Not at work	7	3	4	(1/)
2012				
Full- and part-time	607	321	286	13
Full-time total	493	274	219	4
Full-time not at work	16	7	8	(1/)
Part-time total	114	47	67	9
Economic reasons	29	14	15	2
Non- economic reasons	78	31	48	7
Not at work	6	2	4	(1/)
2013				
Full- and part-time	614	326	288	15
Full-time total	504	277	227	5
Full-time not at work	16	7	9	(1/)
Part-time total	110	49	61	10
Economic reasons	26	14	12	3
Non- economic reasons	78	33	45	7
Not at work	6	2	4	(1/)
2014				
Full- and part-time	642	338	304	18
Full-time total	526	287	239	7
Full-time not at work	17	8	9	(1/)
Part-time total	116	51	65	11
Economic reasons	27	14	13	2
Non- economic reasons	83	34	49	8
Not at work	6	3	4	1

1/ Fewer than 500 persons.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment 2011*

<[http://www.bls.gov/opub/gp/pdf/gp11\\_16.pdf](http://www.bls.gov/opub/gp/pdf/gp11_16.pdf)> accessed May 14, 2013; Ibid. 2012

<[http://www.bls.gov/opub/gp/pdf/gp12\\_16.pdf](http://www.bls.gov/opub/gp/pdf/gp12_16.pdf)> accessed October 22, 2013; and Ibid. 2013

<[http://www.bls.gov/opub/gp/pdf/gp13\\_16.pdf](http://www.bls.gov/opub/gp/pdf/gp13_16.pdf)> accessed January 8, 2015; and Ibid. 2014

<[http://www.bls.gov/opub/gp/pdf/gp14\\_16.pdf](http://www.bls.gov/opub/gp/pdf/gp14_16.pdf)> accessed October 27, 2015.

**Table 12.23-- OCCUPATION OF EMPLOYED CIVILIANS, BY SEX:  
ANNUAL AVERAGE, 2013 AND 2014**

Occupation	Both sexes	Men	Women
2013			
All occupations (in thousands)	614	326	288
Percent	100.0	100.0	100.0
Management, professional, and related	34.2	29.8	39.2
Management, business, and financial operations	14.0	13.7	14.3
Professional and related	20.2	16.1	24.9
Service	22.4	22.4	22.3
Sales and office	24.5	16.5	33.4
Sales and related	11.8	10.2	13.5
Office and administrative support	12.7	6.3	19.9
Natural resources, construction, and maintenance	9.8	17.5	1.1
Farming, fishing, and forestry	0.7	0.9	0.5
Construction and extraction	5.7	10.5	0.2
Installation, maintenance, and repair	3.4	6.1	0.4
Production, transportation, and material moving	9.2	14.0	3.8
Production	2.7	3.5	1.8
Transportation and material moving	6.5	10.5	2.0
2014			
All occupations (in thousands)	642	338	304
Percent	100.0	100.0	100.0
Management, professional, and related	33.7	31.1	36.6
Management, business, and financial operations	13.8	14.1	13.4
Professional and related	19.9	17.0	23.2
Service	23.1	22.8	23.5
Sales and office	24.7	16.0	34.4
Sales and related	11.7	9.3	14.4
Office and administrative support	13.0	6.7	20.0
Natural resources, construction, and maintenance	8.9	16.1	0.8
Farming, fishing, and forestry	0.8	1.2	0.3
Construction and extraction	4.9	9.2	0.1
Installation, maintenance, and repair	3.2	5.7	0.4
Production, transportation, and material moving	9.6	14.0	4.6
Production	3.3	4.3	2.1
Transportation and material moving	6.3	9.7	2.5

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 2012*, (Bulletin 2775, August 2013) "Table 18 Percent distribution of employed persons, by occupation, sex, race, and Hispanic or Latino ethnicity and marital status" <[http://www.bls.gov/opub/gp/pdf/gp12\\_18.pdf](http://www.bls.gov/opub/gp/pdf/gp12_18.pdf)> accessed March 4, 2014; and *Ibid. 2013* (Bulletin 2780, October 2014) accessed March 12, 2015; and *Ibid. 2014* (Bulletin 2873, September 2015) accessed February 29, 2016.

**Table 12.24-- MULTIPLE JOBHOLDERS, NUMBERS AND PERCENT OF EMPLOYED FOR HAWAII AND PERCENT OF EMPLOYED FOR THE UNITED STATES: ANNUAL AVERAGE, 2000 TO 2014**

Year	Hawaii				United States
	Employed, 16 years & over 1/ 2/	Multiple jobholders			Multiple jobholders as percent of employed
		Number 1/	Percent of employed	Rank 3/	
2000	580,200	54,000	9.3	4	5.6
2001	583,200	57,200	9.8	3	5.4
2002	575,600	47,200	8.2	8	5.3
2003	578,300	44,000	7.6	13	5.3
2004	590,200	44,900	7.6	13	5.4
2005	609,000	48,700	8.0	12	5.3
2006	621,600	49,700	8.0	12	5.2
2007	620,600	50,900	8.2	8	5.2
2008	612,100	49,600	8.1	9	5.2
2009	586,500	45,200	7.7	9	5.2
2010	602,300	42,200	7.0	11	4.9
2011	615,100	37,500	6.1	15	4.9
2012	609,100	37,800	6.2	13	4.9
2013	619,600	35,900	5.8	21	4.9
2014	639,000	38,300	6.0	18	4.9

1/ Rounded to the nearest hundred.

2/ Employed data benchmarked by Hawaii Department of Labor & Industrial Relations in March 2015.

3/ Rank among 50 states and the District of Columbia. Rank of 1 for highest percentage of multiple jobholders. Tied in 2005 with Idaho; in 2008 with Kansas; in 2009 with Maine; in 2010 with Kansas, Maine, and Rhode Island; in 2011 with New Hampshire and in 2013 with Ohio.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 2006

<<http://www.bls.gov/opub/mlr/2006/11/rgtrends.htm>> accessed December 27, 2006; *Ibid.*, September 2007

<<http://www.bls.gov/opub/mlr/2007/09/rgtrends.pdf>> accessed February 29, 2008; *Ibid.*, September 2008

<<http://www.bls.gov/opub/mlr/2008/09/rgtrends.pdf>> accessed October 10, 2008; *Ibid.*, December 2009

<<http://www.bls.gov/opub/mlr/2009/12/home.htm>> accessed January 12, 2010; *Ibid.*, July 2010

<<http://www.bls.gov/opub/mlr/2010/07/home.htm>> accessed October 12, 2010; *Ibid.* September 2011

<<http://www.bls.gov/opub/mlr/2011/09/home.htm>> accessed November 19, 2011; *Ibid.* May 2012

<<http://www.bls.gov/opub/mlr/2012/05/home.htm>> accessed May 14, 2013; *Ibid.* December 2013

<<http://www.bls.gov/opub/mlr/2013/article/multiple-jobholding-in-states-in-2012-1.htm>> accessed December 20,

2013; *Ibid.* August 2015 <<http://www.bls.gov/opub/mlr/2015/article/multiple-jobholding-in-states-in-2014.htm>>

accessed September 16, 2015 and unpublished data from Current Population Survey microdata, supplied by the U.S. Bureau of Labor Statistics, and the Hawaii State Department of Labor and Industrial Relations,

Research and Statistics Office and *Ibid.* "State of Hawaii, Not Seasonally Adjusted Civilian Labor Force"

<[https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR\\_LAUS\\_LF.xls](https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR_LAUS_LF.xls)> accessed December 21, 2015; and

calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.25-- WORKERS 16 YEARS AND OVER, BY PLACE OF RESIDENCE  
AND PLACE OF WORK: 2006-2010**

[Average over the period]

Place of residence	Place of work				
	Total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total	659,047	467,916	83,236	31,979	75,916
State of Hawaii	654,505	464,346	82,852	31,769	75,538
City and County of Honolulu	464,884	463,061	766	398	659
Hawaii County	82,757	626	81,872	72	187
Kauai County	31,780	241	179	31,246	114
Maui County 1/	75,084	418	35	53	74,578
U.S. states (excluding Hawaii) 2/	4,542	3,570	384	210	378

1/ Includes Kalawao County.

2/ Persons who are residents of other states and work in Hawaii.

Source: U.S. Census Bureau, Commuting and employment data "Table 2. Residence County to Workplace County Flows for the United States and Puerto Rico Sorted by Workplace Geography: 2006-2010"

<<http://www.census.gov/population/metro/files/commuting/Table2.xlsx>> accessed July 14, 2014.

**Table 12.26-- EMPLOYMENT AND WAGES: 2001 TO 2014**

[Workers covered by the Hawaii Employment Security Law and Unemployment Compensation for Federal Employees classified by industry, according to the North American Industry Classification System]

Year	Number of reporting units, December 1/	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
Total, incl. gov't				
2001	34,294	557,041	17,402,683	31,241
2002	34,679	558,494	18,245,223	32,669
2003	35,799	569,538	19,213,203	33,735
2004	34,067	585,292	20,596,784	35,191
2005	35,137	603,663	21,941,626	36,347
2006	35,606	618,403	23,365,721	37,784
2007	36,930	625,835	24,698,727	39,465
2008	37,170	619,898	25,207,465	40,664
2009	37,546	592,189	24,473,876	41,328
2010	36,772	587,232	24,476,467	41,681
2011	36,438	594,046	25,219,853	42,454
2012	36,568	605,535	26,259,252	43,365
2013	36,840	618,425	27,104,442	43,828
2014	37,128	626,330	28,310,731	45,201
Total, excl. gov't				
2001	34,288	446,032	13,292,645	29,802
2002	34,673	444,376	13,750,473	30,943
2003	35,793	454,108	14,516,099	31,966
2004	34,061	468,923	15,744,363	33,576
2005	35,131	487,273	16,839,218	34,558
2006	35,600	500,651	17,973,930	35,901
2007	36,924	506,932	18,977,352	37,436
2008	37,164	498,433	19,172,836	38,466
2009	37,540	469,735	18,242,594	38,836
2010	36,766	465,579	18,279,136	39,261
2011	36,432	472,620	18,818,432	39,817
2012	36,562	484,078	19,773,483	40,848
2013	36,834	497,386	20,624,513	41,466
2014	37,122	504,574	21,481,219	42,573

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**Table 12.26-- EMPLOYMENT AND WAGES: 2001 TO 2014 -- Con.**

Year	Number of reporting units, December 1/	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
Private non-agr. 2/				
2001	33,838	438,283	13,105,583	29,902
2002	34,225	436,743	13,561,708	31,052
2003	35,337	446,437	14,322,498	32,082
2004	33,615	461,084	15,547,653	33,720
2005	34,678	479,673	16,635,943	34,682
2006	35,155	493,338	17,766,787	36,013
2007	36,474	500,336	18,782,326	37,539
2008	36,711	491,700	18,967,223	38,575
2009	37,088	463,296	18,042,111	38,943
2010	36,316	459,428	18,088,289	39,371
2011	36,003	466,567	18,621,443	39,912
2012	36,139	477,978	19,565,937	40,935
2013	36,407	491,256	20,417,110	41,561
2014	36,677	498,264	21,264,910	42,678

1/ Beginning in 1986, includes employers reporting 1 or more employees at any time during the year, even if they reported no employees for December. Beginning in 1991, data were collected at the establishment (rather than county) level. Nonprofit employers and employers with zero employment are included.

2/ 'Total, excluding government' less 'Goods-producing, Code 11 - Agriculture, forestry, fishing and hunting'.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual) and records and <<http://www.hiwi.org/gsipub/index.asp?docid=420>> accessed October 28, 2015; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.27-- EMPLOYMENT AND WAGES, BY COUNTY: 2013 AND 2014**

[Workers covered by the Hawaii Employment Security Law and Unemployment Compensation for Federal Employees classified by industry. Industries classified according to the North American Industry Classification System]

County	Number of reporting units, December 1/	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
2013 Total, including gov't				
State total	36,840	618,425	27,104,442	43,828
City and County of Honolulu	24,794	452,610	20,689,235	45,711
Hawaii County	4,772	64,810	2,471,226	38,130
Maui County	5,054	71,300	2,783,720	39,042
Kauai County	2,226	29,705	1,160,260	39,059
2013 Total, excluding gov't				
State total	36,834	497,386	20,624,513	41,466
City and County of Honolulu	24,791	357,788	15,599,464	43,600
Hawaii County	4,769	52,642	1,830,471	34,772
Maui County	5,051	61,768	2,275,795	36,844
Kauai County	2,223	25,189	918,782	36,476
2014 Total, including gov't				
State total	37,128	626,330	28,310,731	45,201
City and County of Honolulu	25,020	458,102	21,575,028	47,097
Hawaii County	4,716	65,607	2,584,576	39,395
Maui County	5,166	72,543	2,935,725	40,469
Kauai County	2,232	30,078	1,215,402	40,408
2014 Total, excluding gov't				
State total	37,122	504,574	21,481,219	42,573
City and County of Honolulu	25,017	362,704	16,219,699	44,719
Hawaii County	4,713	53,369	1,905,817	35,710
Maui County	5,163	62,974	2,395,437	38,039
Kauai County	2,229	25,528	960,266	37,616

1/ Nonprofit employers and employers with zero employment are included.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual) <<https://www.hiwi.org/gsipub/index.asp?docid=420>> accessed October 28, 2015.

**Table 12.28-- EMPLOYMENT AND WAGES, BY NAICS INDUSTRY: 2014**

[Workers covered by the Hawaii Employment Security Law and Unemployment Compensation for Federal Employees Classified by Industry. Industries classified according to the North American Industry Classification System (NAICS)]

NAICS code	Industry	Number of reporting units, Dec. 1/	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
	Total, including government	37,128	626,330	28,310,731	45,201
	Government	6	121,756	6,829,513	56,092
	Federal	1	33,083	2,400,540	72,561
	State	1	69,841	3,304,479	47,314
	County	4	18,832	1,124,493	59,712
	Total, excluding government	37,122	504,574	21,481,219	42,573
11	Ag., forestry, fishing & hunting	445	6,310	216,309	34,280
21	Mining	15	252	23,646	93,833
22	Utilities	86	3,807	359,359	94,394
23	Construction	3,424	31,789	2,112,813	66,464
31-33	Manufacturing	931	13,914	573,686	41,231
311	Food manufacturing	299	6,618	197,675	29,869
323	Printing & rel. support activ.	105	800	28,755	35,943
324	Petroleum & coal products	7	475	54,797	115,362
42	Wholesale trade	2,099	17,710	960,096	54,212
44-45	Retail trade	4,419	69,826	2,068,400	29,622
448	Clothing & clothing access.	1,108	11,391	273,603	24,019
48-49	Trans. & warehousing	1,003	26,331	1,238,920	47,052
487	Scenic & sightseeing trans.	230	4,028	132,075	32,789
51	Information	726	8,450	525,085	62,140
52	Finance and insurance	1,619	15,005	983,102	65,518
53	Real estate, rental & leasing	1,914	12,045	564,241	46,844
54	Prof. and tech. services	4,432	24,376	1,666,405	68,363
55	Mgt of companies & enterprises	437	8,360	705,059	84,337
56	Admin. and waste services	2,375	49,494	1,561,131	31,542
61	Educational services	704	13,346	527,616	39,534
62	Health care and soc. assist.	3,787	64,781	3,239,910	50,013
621	Amb. health care services	2,847	26,319	1,543,116	58,631
622	Hospitals	21	14,913	1,045,082	70,079
623	Nursing and resid. care fac.	168	7,964	280,330	35,200
624	Social assistance	751	15,584	371,382	23,831
71	Arts, entertain., and recrea.	635	12,020	325,946	27,117
72	Accom. and food services	3,724	101,326	2,996,139	29,569
721	Accommodation	404	39,293	1,748,611	44,502
722	Food services & drinking places	3,320	62,033	1,247,528	20,111
81	Other serv., exc. public adm.	3,734	25,149	812,043	32,289
99	Unclassified	613	282	21,312	75,573

1/ Nonprofit employers and employers with zero employment are included.

Source: Hawaii State Department of Labor and Industrial Relations, *2014 Employment and Payrolls in Hawaii* (October 2015) <[https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR\\_QCEW\\_ES2014.pdf](https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR_QCEW_ES2014.pdf)> accessed October 28, 2015.

**Table 12.29-- AVERAGE ANNUAL WAGE IN CURRENT AND  
CONSTANT DOLLARS: 1969 TO 2014**

[For Employees Covered by the Hawaii Employment Security Law and Unemployment  
Compensation for Federal Employees. Including government]

Year	Current dollars	CPI-U All Items Honolulu	1982-1984 dollars 1/	Year	Current dollars	CPI-U All Items Honolulu	1982-1984 dollars 1/
1969	6,876	39.4	17,452	1992	25,532	155.1	16,462
1970	7,424	41.5	17,889	1993	26,544	160.1	16,580
1971	7,677	43.2	17,771	1994	26,718	164.5	16,242
1972	7,989	44.6	17,913	1995	26,983	168.1	16,052
1973	8,479	46.6	18,195	1996	27,359	170.7	16,028
1974	9,087	51.5	17,645	1997	28,356	171.9	16,496
1975	9,767	56.3	17,348	1998	29,029	171.5	16,927
1976	10,347	59.1	17,508	1999	29,788	173.3	17,189
1977	10,903	62.1	17,557	2000	30,628	176.3	17,373
1978	11,630	66.9	17,384	2001	31,241	178.4	17,512
1979	12,429	74.3	16,728	2002	32,669	180.3	18,119
1980	13,548	83.0	16,323	2003	33,735	184.5	18,285
1981	14,471	91.7	15,781	2004	35,191	190.6	18,463
1982	15,367	97.2	15,810	2005	36,347	197.8	18,376
1983	16,115	99.3	16,229	2006	37,784	209.4	18,044
1984	16,714	103.5	16,149	2007 2/	39,465	219.504	17,979
1985	17,335	106.8	16,231	2008 2/	40,664	228.861	17,768
1986	18,069	109.4	16,516	2009 2/	41,328	230.048	17,965
1987	19,060	114.9	16,588	2010 2/	41,681	234.869	17,746
1988	20,454	121.7	16,807	2011 2/	42,454	243.622	17,426
1989	21,635	128.7	16,810	2012 2/	43,365	249.474	17,383
1990	23,109	138.1	16,734	2013 2/	43,828	253.924	17,260
1991	24,051	148.0	16,251	2014 2/	45,201	257.589	17,548

1/ Current dollars deflated by the Consumer Price Index (CPI-U), All Items for Honolulu.

2/ U.S. Bureau of Labor Statistics began reporting the CPI in 3-decimal places in January 2007.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual) and 1985-1989 <[http://www.hiwi.org/admin/uploadedPublications/659\\_ES8500.txt](http://www.hiwi.org/admin/uploadedPublications/659_ES8500.txt)> and 2000-2014 <<https://www.hiwi.org/gsipub/index.asp?docid=420>> accessed October 28, 2015; Hawaii State Department of Business, Economic Development & Tourism, *The Honolulu Consumer Price Index, 1940-1986* (Statistical Report 187, May 30, 1986), as shifted to 1982-1984 base; for 1987-2014 U.S. Bureau of Labor Statistics, Honolulu Consumer Price Index, All Items, 1982-84=100 for All Urban Consumers (CPI-U) <<http://www.bls.gov/cpi/home.htm>> February 26, 2015; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.30-- AVERAGE ANNUAL WAGE, IN CURRENT AND  
CONSTANT DOLLARS, BY SELECTED INDUSTRY: 2004 AND 2014**

[Workers covered by the Hawaii Employment Security Law and Unemployment Compensation for Federal Employees classified by industry. Prior to 2001, industries classified according to the Standard Industrial Classification and, subsequently, to the North American Industrial Classification System]

Industry	2004 1/	2014 2/		Percent change, 2004-2014 3/	
		Current dollars	2004 dollars 4/	Current dollars	2004 dollars 4/
All industries	35,191	45,201	33,446	28.4	-5.0
Federal	54,066	72,561	53,691	34.2	-0.7
State	35,264	47,314	35,009	34.2	-0.7
County	44,449	59,712	44,183	34.3	-0.6
Private	33,576	42,573	31,501	26.8	-6.2

1/ According to the Standard Industrial Classification Code.

2/ According to the North American Industrial Classification System.

3/ The Consumer Price Index-All Urban Consumers (CPI-U) Honolulu, All Items increased 35.1 percent from 2004 to 2014.

4/ Current dollars deflated by the Consumer Price Index (CPI-U) All Items for Honolulu, base shifted to 2004 = 100 or 135.146.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual) <<https://www.hiwi.org/gsipub/index.asp?docid=420>> accessed October 28, 2015; U.S. Bureau of Labor Statistics, Honolulu Consumer Price Index, All Items, 1982-84=100 for All Urban Consumers (CPI-U) <<http://www.bls.gov/cpi/home.htm>> accessed February 20, 2015; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.31-- REPORTING UNITS AND EMPLOYMENT, BY SIZE OF FIRM: DECEMBER 2014**

[Excluding government]

County	Subject 1/	All units	Size of firm						
			0 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 or more
State total	Reporting units	37,122	21,006	6,733	4,444	3,095	1,117	497	230
	Employment	515,876	33,519	44,795	59,994	93,923	78,051	73,775	131,819
City and County of Honolulu	Reporting units	25,017	14,194	4,351	2,961	2,165	821	364	161
	Employment	371,424	22,488	29,063	40,179	65,670	57,882	54,368	101,774
Hawaii County	Reporting units	4,713	2,633	951	593	346	114	53	23
	Employment	54,538	4,342	6,228	7,877	10,360	7,738	7,934	10,059
Maui County	Reporting units	5,163	2,944	988	615	401	122	55	38
	Employment	64,113	4,718	6,573	8,287	12,211	8,254	7,612	16,458
Kauai County	Reporting units	2,229	1,235	443	275	183	60	25	8
	Employment	25,801	1,971	2,931	3,651	5,682	4,177	3,861	3,528

1/ Multi-establishment employers are counted for each worksite reported, except for the construction industry, which reports separately only for major projects. Some worksites are further distributed by industrial classification.

Source: Hawaii State Department of Labor and Industrial Relations, *2014 Employment and Payrolls in Hawaii* (October 2015), p. 90  
[https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR\\_QCEW\\_ES2014.pdf](https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR_QCEW_ES2014.pdf) accessed October 28, 2015.

**Table 12.32-- ANNUAL AVERAGE WAGES, TOTAL AND PRIVATE  
INDUSTRY: 1990 TO 2015**

[Based on data submitted by employers subject to State unemployment insurance (UI) laws, and by Federal agencies subject to the Unemployment Compensation for Federal Employees (UCFE) program. Data are final]

Year	Annual average wages (dollars)				Hawaii as percent of U.S		Rank 1/	
	U.S.		Hawaii		Total	Private only	Total	Private only
	Total	Private only	Total	Private only				
1990	23,602	23,258	23,167	22,244	98.2	95.6	13	18
1991	24,578	24,178	24,104	23,176	98.1	95.9	13	19
1992	25,897	25,547	25,613	24,585	98.9	96.2	13	19
1993	26,361	25,934	26,325	25,312	99.9	97.6	12	16
1994	26,939	26,496	26,746	25,647	99.3	96.8	13	17
1995	27,846	27,441	26,977	25,913	96.9	94.4	16	21
1996	28,946	28,582	27,352	26,371	94.5	92.3	22	23
1997	30,353	30,064	28,357	26,979	93.4	89.7	24	28
1998	31,945	31,762	29,036	27,672	90.9	87.1	26	30
1999	33,340	33,244	29,794	28,163	89.4	84.7	27	32
2000	35,323	35,337	30,628	29,179	86.7	82.6	29	32
2001	36,219	36,157	31,253	29,816	86.3	82.5	31	34
2002	36,764	36,539	32,671	30,947	88.9	84.7	27	32
2003	37,765	37,508	33,742	31,974	89.3	85.2	26	31
2004	39,354	39,134	35,198	33,583	89.4	85.8	25	31
2005	40,677	40,505	36,353	34,564	89.4	85.3	26	31
2006	42,535	42,414	37,799	35,909	88.9	84.7	26	34
2007	44,458	44,362	39,466	37,437	88.8	84.4	26	34
2008	45,563	45,371	40,675	38,478	89.3	84.8	25	33
2009	45,559	45,155	41,328	38,836	90.7	86.0	23	31
2010	46,751	46,455	41,709	39,294	89.2	84.6	25	33
2011	48,043	47,815	42,473	39,838	88.4	83.3	26	38
2012	49,289	49,200	43,385	40,871	88.0	83.1	28	38
2013	49,808	49,701	43,845	41,485	88.0	83.5	29	37
2014	51,364	51,296	45,210	42,583	88.0	83.0	27	37
2015 2/	52,937	52,874	46,927	44,402	88.6	84.0	25	35

1/ Rank of 1 indicates the highest annual wages per employee. District of Columbia is included.

2/ Data are preliminary.

Source: U.S. Bureau of Labor Statistics, *Employment and Wages, Annual Averages* (annual), table 1, see also tables 5, 6, and 10; "Quarterly Census of Employment and Wages" <<http://www.bls.gov/cew/>> accessed July 8, 2016; QCEW Data Viewer <[http://data.bls.gov/cew/apps/data\\_views/data\\_views.htm#tab=Tables](http://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables)>; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.33-- WORKERS, EARNINGS AND HOURS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGE, 2011 TO 2015**

[2014 and 2015 data have been benchmarked. Number of production workers rounded to nearest 50]

Subject 1/	2011	2012	2013	2014	2015
Production workers 2/					
Natural resources, mining and construction	20,100	20,800	22,600	23,600	25,600
Manufacturing	9,500	9,500	9,700	9,800	9,600
Trade, transportation and utilities	92,300	97,500	98,500	98,100	100,400
Wholesale trade	14,200	14,200	13,600	12,800	14,000
Retail trade	57,000	59,100	58,700	58,500	58,800
Financial activities	18,700	19,100	20,100	20,800	20,700
Accommodation and food services	82,500	87,200	90,700	91,800	92,500
Food services and drinking places	50,200	53,100	55,400	55,500	56,300
Average weekly earnings (dollars)					
Natural resources, mining and construction	1,336.35	1,236.87	1,268.19	1,314.58	1,301.70
Manufacturing	649.74	723.30	724.81	718.27	817.28
Trade, transportation and utilities	604.74	637.80	714.42	792.62	835.59
Wholesale trade	682.29	540.85	666.34	895.44	904.26
Retail trade	468.29	481.93	479.56	508.80	553.96
Financial activities	762.20	742.41	753.77	818.33	837.72
Accommodation and food services	429.82	459.82	491.06	523.14	503.43
Food services and drinking places	311.38	365.53	410.97	419.29	387.06
Average weekly hours					
Natural resources, mining and construction	37.9	35.4	36.6	35.8	34.4
Manufacturing	35.7	37.8	37.4	39.1	40.6
Trade, transportation and utilities	33.1	33.1	32.4	33.7	34.5
Wholesale trade	37.8	34.8	35.5	39.0	40.1
Retail trade	31.9	31.8	30.8	31.8	31.8
Financial activities	35.7	36.3	36.1	36.5	36.0
Accommodation and food services	29.5	29.4	29.6	30.9	29.1
Food services and drinking places	27.1	27.9	28.5	29.8	27.2
Average hourly earnings (dollars)					
Natural resources, mining and construction	35.26	34.97	34.65	36.72	37.84
Manufacturing	18.20	19.15	19.38	18.37	20.13
Trade, transportation and utilities	18.27	19.25	22.05	23.52	24.22
Wholesale trade	18.05	15.53	18.77	22.96	22.55
Retail trade	14.68	15.16	15.57	16.00	17.42
Financial activities	21.35	20.47	20.88	22.42	23.27
Accommodation and food services	14.57	15.62	16.59	16.93	17.30
Food services and drinking places	11.49	13.08	14.42	14.07	14.23

1/ Data for 'Information' and 'Accommodation' are no longer available.

2/ 2014 revised from previous *Data Book*.

Source: Hawaii State Department of Labor and Industrial Relations, "Production Worker Hours & Earnings, All Selected Industries" <<https://www.hiwi.org/gsipub/index.asp?docid=419>> accessed March 23, 2016.

**Table 12.34-- AVERAGE HOURLY PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY: 2005 TO 2013**

[In dollars. Wage data are weighted averages and cover regular full-time and part-time employees. These 14 job titles are meant to be only illustrative of those reported. Over this period, the survey was conducted some time between June through September and covered 90 jobs for the 2005 and 2006 reports, 91 jobs for the 2007, 82 for the 2008, 94 for the 2009 through 2011, and 100 for 2013]

<b>Job classification</b>	<b>Job code</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2013</b>
Clerk, entry level	43.03	10.84	11.15	11.25	11.90	12.30	13.36	13.98	14.54
Secretary	43.06	15.80	16.02	16.39	17.53	18.12	18.59	19.00	19.21
Telephone operator 1/	43.10	15.26	14.79	15.44	15.95	16.52	17.53	17.39	18.47
Bookkeeper 2/	46.06	18.10	19.13	18.00	20.42	18.48	21.68	20.54	22.59
Cashier	46.07	14.91	15.48	16.26	16.90	18.29	16.59	15.87	18.29
Engineering drafting tech.	47.01	28.14	21.86	27.35	30.48	28.17	32.01	29.32	32.87
Housekeeper	48.01	13.07	13.60	13.82	14.35	14.92	14.92	15.44	16.37
Cook, general	48.09	15.48	17.15	16.08	16.64	17.93	17.95	17.55	19.30
Wait help	48.13	6.85	7.57	8.50	7.97	7.95	7.94	8.20	8.73
Laborer, light	50.06	9.55	10.87	10.12	10.68	10.41	10.31	10.67	10.33
Carpenter, maintenance	50.12	20.61	21.35	23.12	21.05	23.88	27.14	26.54	23.80
Electrician, maintenance	50.15	24.13	24.33	29.68	28.80	28.76	31.55	30.24	31.77
Automotive mechanic	50.19	23.47	24.55	23.71	24.69	25.43	27.02	25.42	25.62
Driver III (Tractor trailer) 3/	51.05	15.79	17.43	17.26	16.71	18.73	18.64	19.03	19.32

1/ In earlier reports, this category, job code 43.10, was "Switchboard" or "Communications" operator.

2/ In earlier reports, this category, job code 46.06, was "Bookkeeper, full-charge".

3/ In earlier reports, this category, job code 51.05, was "Truck driver (trailer)".

Source: Hawaii Employers Council, *Pay Rates in Hawaii* (annual).

**Table 12.35-- AVERAGE HOURLY PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY, BY COUNTY: 2013**

[In dollars. Wage data are weighted averages, as of the July through September survey period and were effective for July 1, 2013 and cover regular full-time and part-time employees. The 14 job titles are meant to be only illustrative of the 100 reported]

<b>Job classification</b>	<b>Job code</b>	<b>State</b>	<b>Kauai County</b>	<b>City &amp; County of Honolulu</b>	<b>Maui County</b>	<b>Hawaii County</b>
Clerk, entry level	43.03	14.54	(1/)	14.65	(1/)	13.61
Secretary	43.06	19.21	(1/)	19.16	(1/)	(1/)
Telephone operator 2/	43.10	18.47	(1/)	18.79	(1/)	(1/)
Bookkeeper 3/	46.06	22.59	(1/)	22.42	(1/)	(1/)
Cashier	46.07	18.29	(1/)	18.26	(1/)	(1/)
Engineering drafting technician	47.01	32.87	(1/)	(1/)	(1/)	(1/)
Housekeeper	48.01	16.37	(1/)	16.73	15.65	(1/)
Cook, general	48.09	19.30	(1/)	17.95	20.08	16.69
Wait help	48.13	8.73	(1/)	9.04	8.06	(1/)
Laborer, light	50.06	10.33	(1/)	9.66	(1/)	12.38
Carpenter, maintenance	50.12	23.80	(1/)	23.73	(1/)	(1/)
Electrician, maintenance	50.15	31.77	(1/)	33.70	(1/)	(1/)
Automotive mechanic	50.19	25.62	(1/)	26.51	24.66	(1/)
Driver III (Tractor trailer) 4/	51.05	19.32	(1/)	19.13	(1/)	18.90

1/ Not disclosed. Jobs reported by fewer than five facilities or fewer than eight employees reported.

2/ In earlier reports, this category, job code 43.10, was "Switchboard" or "Communications" operator.

3/ In earlier reports, this category, job code 46.06, was "Bookkeeper, full-charge".

4/ In earlier reports, this category, job code 51.05, was "Truck driver (trailer)".

Source: Hawaii Employers Council, *Pay Rates in Hawaii 2013* (Research Report Number 4381, October 2013).

**Table 12.36-- EMPLOYMENT AND WAGES OF HAWAII'S 25 LARGEST OCCUPATIONS: MAY 2015**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 2/
41-2031	Retail salespersons	24,770	11.46	26,860
35-3031	Waiters and waitresses	15,200	11.58	32,480
41-2011	Cashiers	14,790	10.31	23,520
43-9061	Office clerks, general	13,660	15.22	32,420
37-2011	Janitors and cleaners except maids and housekeeping cleaners	13,330	12.02	26,780
37-2012	Maids and housekeeping cleaners	12,040	17.07	35,060
35-3021	Combined food prep. & serving workers including fast food	11,740	9.18	22,230
11-1021	General and operations managers	11,080	41.11	101,630
29-1141	Registered nurses	10,990	44.37	90,130
33-9032	Security guards	9,920	12.94	29,120
43-6014	Secretaries & admin. assistants, exc. legal, medical, and executive	9,840	18.43	39,400
35-2021	Food preparation workers	8,720	10.65	24,290
37-3011	Landscaping and groundskeeping workers	8,180	14.93	30,910
35-2014	Cooks, restaurant	8,130	13.47	31,540
43-5081	Stock clerks and order fillers	7,940	13.08	28,880
43-4051	Customer service representatives	7,600	17.03	37,190
53-7062	Laborers & freight, stock, & material movers, hand	7,420	13.86	34,440
49-9071	Maintenance and repair workers, general	7,240	21.03	44,820
43-3031	Bookkeeping, accounting, & auditing clerks	7,060	18.21	38,840
25-9041	Teacher assistants	6,970	(3/)	27,830
43-1011	First-line supervisors of office & admin. support workers	6,690	23.68	53,320
41-1011	First-line supervisors of retail sales workers	6,290	20.03	45,910
25-2021	Elementary school teachers except special education	5,940	(3/)	56,500
25-3098	Substitute teachers	5,340	21.15	42,590
31-1014	Nursing assistants	5,110	14.62	30,780

1/ Standard Occupational Classification (SOC) system.

2/ Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

3/ Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics, "May 2015 State Occupational Employment and Wage Estimates Hawaii" <[http://www.bls.gov/oes/current/oes\\_hi.htm](http://www.bls.gov/oes/current/oes_hi.htm)> accessed April 14, 2016.

**Table 12.37-- EMPLOYMENT AND WAGES OF URBAN HONOLULU  
METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: MAY 2015**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employ- ment	Mean wage in dollars	
			Hourly	Annual 2/
41-2031	Retail salespersons	17,370	12.64	26,280
41-2011	Cashiers	10,480	10.81	22,470
43-9061	Office clerks, general	10,150	15.69	32,640
35-3031	Waiters & waitresses	9,360	14.68	30,540
37-2011	Janitors & cleaners, exc. maids & housekeeping cleaners	9,140	12.53	26,050
35-3021	Combined food preparation & serving workers, including fast food	8,880	10.79	22,450
29-1141	Registered nurses	8,510	43.97	91,450
11-1021	General and operations managers	8,370	50.43	104,900
33-9032	Security guards	7,930	13.61	28,310
43-6014	Secretaries & administrative assistants, except legal,	7,480	19.39	40,340
37-2012	Maids and housekeeping cleaners	6,900	17.16	35,690
35-2021	Food preparation workers	6,350	11.14	23,180
43-4051	Customer service representatives	5,730	17.70	36,810
25-9041	Teacher assistants	5,690	(3/)	27,840
53-7062	Laborers & freight, stock, & material movers, hand	5,640	17.07	35,510
43-5081	Stock clerks and order fillers	5,270	13.74	28,580
43-3031	Bookkeeping, accounting, & auditing clerks	5,180	18.92	39,360
35-2014	Cooks, restaurant	4,980	13.48	28,030
43-1011	First-line supervisors of office & admin. support workers	4,960	26.02	54,110
25-2021	Elementary school teachers, except special education	4,810	(3/)	56,560
37-3011	Landscaping & groundskeeping workers	4,750	14.41	29,960
49-9071	Maintenance & repair workers, general	4,710	21.07	43,830
25-3098	Substitute teachers	4,430	20.52	42,680
41-1011	First-line supervisors of retail sales workers	4,080	23.20	48,260
13-1199	Business operations specialists, all other	3,950	31.91	66,370

1/ Standard Occupational Classification (SOC) system.

2/ Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

3/ Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics, "May 2015 Metropolitan Area Occupational Employment and Wage Estimates Urban Honolulu, HI MSA"

<[http://www.bls.gov/oes/current/oes\\_46520.htm](http://www.bls.gov/oes/current/oes_46520.htm)> accessed July 18, 2016.

**Table 12.38-- EMPLOYMENT AND WAGES OF KAHULUI-WAILUKU-LAHAINA METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: MAY 2015**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 2/
41-2031	Retail salespersons	3,430	12.92	26,860
35-3031	Waiters & waitresses	2,920	17.52	36,430
37-2012	Maids and housekeeping cleaners	2,900	16.62	34,580
41-2011	Cashiers	1,970	12.37	25,740
35-2014	Cooks, restaurant	1,650	18.04	37,530
37-3011	Landscaping & groundskeeping workers	1,640	15.43	32,090
37-2011	Janitors & cleaners, exc. maids & housekeeping cleaners	1,610	13.78	28,660
43-9061	Office clerks, general	1,330	16.02	33,330
11-1021	General and operations managers	1,240	42.57	88,540
49-9071	Maintenance & repair workers, general	1,240	22.76	47,350
35-2021	Food preparation workers	1,140	13.14	27,330
41-1011	First-line supervisors of retail sales workers	1,050	19.37	40,280
43-5081	Stock clerks and order fillers	1,020	14.56	30,290
35-9021	Dishwashers	900	12.86	26,740
43-3031	Bookkeeping, accounting, & auditing clerks	870	17.42	36,230
43-6014	Secretaries & administrative assistants, except legal, medical, and executive	870	16.61	34,540
35-9011	Dining room & cafeteria attendants & bartender helpers	850	16.68	34,690
43-4051	Customer service representatives	850	19.81	41,210
43-1011	First-line supervisors of office & admin. support workers	830	24.76	51,510
33-9032	Security guards	780	15.56	32,360
35-3011	Bartenders	760	21.74	45,210
53-7062	Laborers & freight, stock, & material movers, hand	750	15.44	32,120
29-1141	Registered nurses	730	40.49	84,210
35-1012	First-line supervisors of food preparation & serving workers	700	17.28	35,950
47-2031	Carpenters	690	31.29	65,070

1/ Standard Occupational Classification (SOC) system.

2/ Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics, "May 2015 Metropolitan Area Occupational Employment and Wage Estimates Kahului-Wailuku-Lahaina, HI MSA"

<[http://www.bls.gov/oes/current/oes\\_27980.htm](http://www.bls.gov/oes/current/oes_27980.htm)> accessed July 19, 2016.

**Table 12.39-- EMPLOYMENT AND WAGES OF HAWAII- KAUAI NONMETROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: MAY 2015**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 2/
41-2031	Retail salespersons	3,970	14.13	29,390
35-3031	Waiters and waitresses	2,920	16.70	34,740
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	2,580	13.54	28,160
41-2011	Cashiers	2,340	12.67	26,350
37-2012	Maids and housekeeping cleaners	2,230	16.22	33,740
43-9061	Office clerks, general	2,180	14.84	30,860
37-3011	Landscaping and groundskeeping workers	1,800	15.54	32,320
29-1141	Registered nurses	1,750	41.42	86,160
35-3021	Combined food preparation and serving workers, including fast food	1,680	10.37	21,570
43-5081	Stock clerks and order fillers	1,650	13.94	28,990
35-2014	Cooks, restaurant	1,500	17.58	36,580
43-6014	Secretaries and administrative assistants, except legal, medical, and executive	1,480	18.05	37,550
11-1021	General and operations managers	1,470	45.21	94,030
49-9071	Maintenance and repair workers, general	1,300	22.11	45,990
35-2021	Food preparation workers	1,240	13.07	27,190
33-9032	Security guards	1,210	15.54	32,320
41-1011	First-line supervisors of retail sales workers	1,160	20.54	42,730
53-7062	Laborers and freight, stock, and material movers, hand	1,040	14.58	30,320
43-4051	Customer service representatives	1,030	17.31	36,000
43-3031	Bookkeeping, accounting, and auditing clerks	1,010	18.47	38,410
35-1012	First-line supervisors of food preparation & serving workers	1,000	16.65	34,640
43-1011	First-line supervisors of office and administrative support workers	900	24.32	50,590
31-1014	Nursing assistants	860	15.28	31,780
47-2031	Carpenters	860	29.07	60,470
47-2061	Construction laborers	820	21.76	45,270

1/ Standard Occupational Classification (SOC) system.

2/ Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics, "May 2015 Nonmetropolitan Area Occupational Employment and Wage Estimates, Hawaii-Kauai Nonmetropolitan Area" <[http://www.bls.gov/oes/current/oes\\_1500001.htm](http://www.bls.gov/oes/current/oes_1500001.htm)> accessed July 19, 2016.

**Table 12.40-- ESTIMATED IMPACT OF THE AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) OF 2009 IN HAWAII: 2009 TO 2013**

[In full-time equivalent jobs]

Category	Reporting period 1/					
	1	2	3	4	5	6
	Feb. 17 - Sep. 30, 2009	Oct. 1 - Dec. 31, 2009	Jan. 1 - Mar. 31, 2010	April 1 - June 30, 2010	July 1 - Sep. 30, 2010	Oct. 1 - Dec. 31, 2010
Total (cumulative) 2/	4,200	8,000	11,000	13,000	13,000	13,000
Direct employment due to ARRA grants subject to Section 1512 reporting requirements (quarterly total)	1,544.94	3,018.80	2,561.57	3,576.76	5,087.29	3,601.24
Awarded to State of Hawaii entity	793.25	2,423.46	1,787.55	1,931.96	3,380.07	3,084.75
Awarded to non-State of Hawaii entity	751.69	595.34	774.02	1,644.80	1,707.22	516.49

Category	Reporting period 1/					
	7	8	9	10	11	12
	Jan. 1 - Mar. 31, 2011	April 1 - June 30, 2011	July 1 - Sept. 30, 2011	Oct. 1 - Dec. 31, 2011	Jan. 1 - Mar. 31, 2012	April 1 - June 30, 2012
Total (cumulative) 2/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Direct employment due to ARRA grants subject to Section 1512 reporting requirements (quarterly total)	4,528.00	3,166.00	1,161.00	880.77	898.54	731.95
Awarded to State of Hawaii entity	3,416.91	2,000.91	870.82	618.24	658.64	523.17
Awarded to non-State of Hawaii entity	1,111.09	1,165.09	290.18	262.53	239.90	208.78

Category	Reporting period 1/					
	13	14	15	16	17	18
	July 1 - Sept. 30, 2012	Oct. 1 - Dec. 31, 2012	Jan. 1 - Mar. 31, 2013	April 1 - June 30, 2013	July 1 - Sept. 30, 2013	Oct. 1 - Dec. 31, 2013 3/
Total (cumulative) 2/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Direct employment due to ARRA grants subject to Section 1512 reporting requirements (quarterly total)	630.39	565.22	507.58	507.87	277.57	323.83
Awarded to State of Hawaii entity	477.68	410.81	363.48	344.32	131.51	191.73
Awarded to non-State of Hawaii entity	152.71	154.41	144.10	163.55	146.06	132.10

Continued on next page.

**Table 12.40-- ESTIMATED IMPACT OF THE AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) OF 2009 IN HAWAII: 2009 TO 2013 -- Con.**

NA Not available.

1/ Because of a change in job calculation methodology for Section 1512 grants between the 1st and 2nd reporting period, figures from the 1st reporting period are not comparable with latter periods. Information on how jobs are calculated can be found at <[http://www.whitehouse.gov/omb/assets/memoranda\\_2010/m10-08.pdf](http://www.whitehouse.gov/omb/assets/memoranda_2010/m10-08.pdf)>. Information on the reporting requirements created by Section 1512 of ARRA can be found at <[http://www.whitehouse.gov/omb/assets/memoranda\\_fy2009/m09-21.pdf](http://www.whitehouse.gov/omb/assets/memoranda_fy2009/m09-21.pdf)>.

2/ Estimated overall impact of the ARRA on employment in Hawaii is from the Council of Economic Advisers "The Economic Impact of the American Recovery and Reinvestment Act of 2009 Sixth Quarterly Report, March 18, 2011". See <<http://www.whitehouse.gov/sites/default/files/microsites/20110318-cea-arra-report.pdf>>

3/ Enactment of the Federal Government's Fiscal Year 2014 Omnibus Spending bill brings an end to the "1512" Recipient Reporting requirements of the ARRA. Section 627 of the Omnibus repeals the reporting as of February 1, 2014

Source: Hawaii State Department of Budget and Finance, The Official State of Hawaii American Recovery and Reinvestment Act (ARRA) website "Reporting Quarter: January-March 2013" (Version Date: May 29, 2013) <[http://hawaii.gov/recovery/arra-reports/Estimated\\_Impact\\_of\\_ARRA\\_on\\_Employment\\_in\\_Hawaii.pdf](http://hawaii.gov/recovery/arra-reports/Estimated_Impact_of_ARRA_on_Employment_in_Hawaii.pdf)> accessed June 12, 2013; and records.

**Table 12.41-- ANNUAL COMPENSATION OF HIGHEST-PAID EXECUTIVES  
OF HAWAII-BASED PUBLIC FIRMS: 1999 TO 2005**

<b>Annual compensation 1/</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004 2/</b>	<b>2005</b>
Number of firms	7	7	9	9	6	6	6
Number of executives	17	17	25	25	15	15	15
Less than \$249,999	-	-	-	-	-	-	-
\$250,000 to \$499,999	4	3	9	11	-	-	-
\$500,000 to \$999,999	10	10	12	8	7	10	9
\$1,000,000 to \$1,999,999	3	4	3	5	7	5	6
\$2,000,000 or more	-	-	1	1	1	-	-
Highest (\$1,000)	1,535	1,611	2,387	2,127	2,519	1,742	1,577

1/ Includes salary, bonus, stock awards, payments under the companies' long-term incentive plans, and other compensation.

2/ No separate list published, top 15 list for 2004 ranked by 2005 annual cash compensation.

Source: *Pacific Business News*, "Highest-paid executives of Hawaii-based public firms", September 12, 2003 and May 26, 2006; and *Pacific Business News, 2005 Book of Lists*, "Highest-paid executives of Hawaii-based public firms", p. 64 (December 20, 2004).

**Table 12.42-- MINIMUM WAGE CHRONOLOGY: 1942 TO 2016**

[Dollars per hour. As of July 1, unless otherwise specified. Since January 1, 1970, tip credit allowed under certain circumstances]

Effective date	Oahu	Other islands	Effective date	State	Effective date	State
1942 1/	0.25	0.20	1962	1.15	1988 2/	3.85
1943	0.30	0.25	1964 2/	1.25	1992 3/	4.75
1945	0.40	0.40	1969	1.40	1993 2/	5.25
1953	0.65	0.55	1970 2/	1.60	2002 2/	5.75
1955	0.75	0.65	1974	2.00	2003 2/	6.25
1957	0.90	0.85	1975 2/	2.40	2006 4/	6.75
1958	1.00	1.00	1978	2.65	2007 4/ 5/	7.25
			1979	2.90	2015 5/	7.75
			1980	3.10	2016 5/	8.50
			1981	3.35		

1/ At inception of minimum wage law, April 1, 1942.

2/ As of January 1.

3/ As of April 1.

4/ The 2005 Legislature passed Senate Bill 294, Senate Draft 3, House Draft 1, Conference Draft 1 "Relating to Employment" which raises the minimum wage to \$6.75 effective January 1, 2006, and to \$7.25 effective January 1, 2007. Governor Linda Lingle had indicated that she would allow it to become law without her signature. Act 240 became law on July 12, 2005. The federal minimum wage of \$5.15 was in effect from September 1, 1997, and rose to \$5.85 on July 24, 2007 and to \$6.55 and \$7.25 on that day respectively in 2008 and 2009. On July 24, 2009 the federal wage rose to equal the State, the first time that has happened since January 1, 1988.

5/ On May 23, 2014 Governor Neil Abercrombie (Gov. Msg. No. 1182) signed Act 082 into law which increases minimum wage rate to \$7.75 per hour beginning on January 1, 2015, \$8.50 per hour beginning on January 1, 2016, \$9.25 per hour beginning on January 1, 2017, and \$10.10 per hour beginning on January 1, 2018. Act 82 also increases the tip credit to \$0.50 per hour beginning on January 1, 2015, and 75 cents per hour beginning on January 1, 2016; provided that beginning January 1, 2015, the combined amount the employee receives in wages and tips is at least \$7 more than the applicable minimum wage.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office "Minimum Wage (Hawaii and Federal)" <<http://labor.hawaii.gov/rs/files/2012/11/Minimum-Wage-for-Web.pdf>> accessed June 21, 2016; Hawaii State Legislature, 27th Legislature, 2014 Measure Status Legislature, 27th Legislature, 2014 Measure Status SB2609 SD1 HD2 CD1 Relating to Minimum Wage <[http://www.capitol.hawaii.gov/measure\\_indiv.aspx?billtype=SB&billnumber=2609&year=2014](http://www.capitol.hawaii.gov/measure_indiv.aspx?billtype=SB&billnumber=2609&year=2014)> accessed July 19, 2014; and records.

**Table 12.43-- MINIMUM WAGE, BY STATE AND TERRITORY: JANUARY 1, 2016**

[Dollars per hour and hours. Where Federal and state law have different minimum wage rates, the higher standard applies. See source for additional state provisions]

Area	Minimum wage	Premium (hours) 1/	Area	Minimum wage	Premium (hours) 1/
Alabama	None	(X)	New Hampshire	7.25	40
Alaska 2/	9.75	40	New Jersey	8.38	40
Arizona	8.05	(X)	New Mexico	7.50	40
Arkansas 3/	8.00	40	New York	9.00	40
California	10.00	40	North Carolina	7.25	40
Colorado	8.31	40	North Dakota	7.25	40
Connecticut	9.60	40	Ohio 8/	8.10	40
Delaware	8.25	(X)	Oklahoma 9/	7.25	(X)
Florida	8.05	(X)	Oregon	9.25	40
Georgia	5.15	(X)	Pennsylvania	7.25	40
<b>Hawaii</b>	<b>8.50</b>	<b>40</b>	Rhode Island	9.60	40
Idaho	7.25	(X)	South Carolina	None	(X)
Illinois 3/	8.25	40	South Dakota	8.55	(X)
Indiana 4/	7.25	40	Tennessee	None	(X)
Iowa	7.25	(X)	Texas	7.25	(X)
Kansas	7.25	46	Utah	7.25	(X)
Kentucky	7.25	40	Vermont 4/	9.60	40
Louisiana	None	(X)	Virginia 3/	7.25	(X)
Maine	7.50	40	Washington	9.47	40
Maryland	8.25	40	West Virginia 10/	8.75	40
Massachusetts	10.00	40	Wisconsin	7.25	40
Michigan 4/	8.50	40	Wyoming	5.15	(X)
Minnesota 5/	9.00	48	Dist. of Columbia	10.50	40
Mississippi	None	(X)	American Samoa	(11/)	(11/)
Missouri	7.65	40	Guam	8.25	40
Montana 6/	8.05	40	Puerto Rico 12/	7.25	40
Nebraska	9.00	(X)	Virgin Islands 13/	7.25	40
Nevada 7/	8.25	(X)			

Continued on next page.

**Table 12.43-- MINIMUM WAGE, BY STATE AND TERRITORY:  
JANUARY 1, 2016 -- Con.**

- X Not applicable.
  - 1/ The overtime premium rate is 1.5 the employee's regular rate, unless otherwise specified.
  - 2/ If a voluntary 40-hour, 4-day workweek in place, premium pay may start after a 10-, not 8-hour day.
  - 3/ Applicable to employers of four or more employees, In Illinois, is 4, excluding family members.
  - 4/ Applicable to employers of two or more employees.
  - 5/ \$7.25 applies to a small employer, an enterprise with annual receipts of less than \$500,000.
  - 6/ \$4.00 applies to businesses with gross annual sales of \$110,000 or less.
  - 7/ \$8.25 (with no health insurance benefits provided by employer) if 8 hours daily, 40 weekly; and \$7.25 (applies if health insurance benefits provided by employer and received by employee). □
  - 8/ \$7.25 will apply to employees of businesses with annual gross receipts of less than \$297,000 per year.
  - 9/ Employers of ten or more full time employees at any one location and employers with annual gross sales over \$100,000 irrespective of number of full time employees. \$2.00 applies to all other employers.
  - 10/ Applicable to employers of six or more employees at one location. □
  - 11/ The Fair Minimum Wage Act of 2007 sets provisions to provide for increases to bring the minimum wage applicable in the U.S. As of September 30, 2015 the industry-specific wage ranged upward from \$4.58.
  - 12/ \$7.25 for employees covered by the Fair Labor Standards Act. \$5.08 for employees not covered. □
  - 13/ Applies except for businesses with gross annual receipts of less than \$150,000 then \$4.30 applies. □
- Source: U. S. Department of Labor, Wage and Hour Division (WHD), "Minimum Wage Laws in the States - January 1, 2016" <<http://www.dol.gov/whd/minwage/america.htm>> accessed January 4, 2016.

**Table 12.44-- MINIMUM WAGE WORKERS, BY SEX, ANNUAL AVERAGE:  
2003 TO 2013**

[The federal minimum wage applies if higher than the State minimum wage. 2003 to 2006 the Federal rate had been higher but since 2007 they are both \$7.25 per hour. See Table 12.38 for chronology]

Group and year	Number of workers (in 1,000)				Workers paid hourly rates (in percent)			Median earnings (in dollars)
	Total paid hourly rates	At or below Federal minimum wage			At or below Federal minimum wage			
		Total	At	Below	Total	At	Below	
Total								
2003	309	4	1	3	1.3	0.3	1.0	11.16
2004	329	5	1	4	1.5	0.3	1.2	11.13
2005	341	4	>0	4	1.2	0.0	1.2	12.04
2006	347	4	1	3	1.2	0.3	0.9	12.30
2007	338	4	>0	4	1.2	0.0	1.2	12.81
2008	338	5	>0	5	1.5	0.0	1.5	13.05
2009	320	9	3	6	2.8	0.9	1.9	13.11
2010	318	15	8	7	4.7	2.5	2.2	13.82
2011	321	15	8	7	4.7	2.5	2.2	13.57
2012	331	14	7	7	4.2	2.1	2.1	14.26
2013	325	15	10	5	4.6	3.1	1.5	13.62
Men								
2003	160	2	1	1	1.3	0.6	0.6	12.03
2004	169	1	>0	1	0.6	0.0	0.6	12.19
2005	168	1	>0	1	0.6	0.0	0.6	13.21
2006	174	1	>0	1	0.6	0.0	0.6	13.86
2007	174	1	>0	1	0.6	0.0	0.6	14.67
2008	175	3	>0	3	1.7	0.0	1.7	14.01
2009	165	4	1	3	2.4	0.6	1.8	14.72
2010	160	5	3	2	3.1	1.9	1.3	14.95
2011	160	8	4	4	5.0	2.5	2.5	14.67
2012	177	7	4	3	4.0	2.3	1.7	14.97
2013	168	7	4	3	4.2	2.4	1.8	14.39
Women								
2003	149	2	-	2	1.3	0.0	1.3	10.12
2004	160	3	>0	3	1.9	0.0	1.9	10.12
2005	173	3	>0	3	1.7	0.0	1.7	10.98
2006	173	3	1	2	1.7	0.6	1.2	11.08
2007	164	3	>0	3	1.8	0.0	1.8	11.71
2008	163	3	-	3	1.8	0.0	1.8	12.14
2009	155	5	2	3	3.2	1.3	1.9	12.02
2010	158	10	5	5	6.3	3.2	3.2	12.19
2011	161	7	4	3	4.3	2.5	1.9	12.54
2012	154	7	4	3	4.5	2.6	1.9	13.31
2013	157	7	5	2	4.5	3.2	1.3	12.84

Source: U. S. Department of Labor, West Information Office, "Minimum Wage Workers in Hawaii - 2013" 14-898-SAN (June 25, 2014) <<http://www.bls.gov/ro9/mwhi.pdf>> accessed July 19, 2014.

**Table 12.45-- COMPENSATION OF LEADERS OF LARGE LABOR UNIONS: 2007 AND 2008**

[In order of decreasing 2008 compensation]

Executive	Labor union	Members in 2008	Compensation	
			2007	2008
T. George Paris, Director	Hawaii Iron Workers' Stabilization Fund	(X)	251,371	403,439
Lynn Kinney, Secretary/treasurer	Painters AFL-CIO District Council 50	(X)	286,427	285,926
Reginald Castanares, Financial sec't'y	Plumbers Local 675	1,965	153,258	240,325
Ronald Taketa, Financial sec't'y	Hawaii Carpenters Union	7,200	210,157	219,445
J.N. Musto, Executive director	Univ. of Hawaii Professional Assembly	3,898	176,768	193,417
Patrick Loo, President	Food & Commercial Workers Union, Local 480	1,963	176,097	184,413
Gerald Yuh, Bus. Mgr./financial sec't'y	Int'l Brotherhood Elect. Workers, Local 1186	3,249	183,767	164,655
Rodney Capello, Bus. mgr./sec't'y/treas. 1/	Hawaii Electrical Workers 1/	198	1/ 39,947	163,185
Dayton Nakanelua, State director	United Public Workers	14,155	133,836	142,765
Arthur Tolentino, Financial sec't'y/bus. mgr.	Sheet Metal Workers Local 293	770	117,095	124,616
Ronan Kozuma, President	Teamsters Local 996	6,062	112,453	124,428
Joseph O' Donnell, Financial sec't'y/bus. mgr.	Ironworkers AFL-CIO Local 625	780	106,772	121,260
John Jumalon, Bus. mgr./financial sec't'y	Int'l Brotherhood Elect. Workers, Local 1260	2,832	58,406	118,961
Scot Long, Bus. mgr./financial sec't'y	Int'l Brotherhood Elect. Workers, Local 1357	1,616	109,391	118,502
Mike McCartney, Executive director	Hawaii State Teachers Association (from Sept. 2007)	(NA)	(X)	112,261
Randolf Kauhane, AGC	Machinists Union District Lodge 141	33,254	104,718	107,264
Fred Galdones, President	Int'l Longshore Emp. & Warehouse (ILWU), Local 142	18,046	100,475	103,946
Vaughn Chong, Financial sec't'y/bus. mgr.	Roofers AFL-CIO Local 221	284	98,077	99,081
William Hong, Executive director	Building & Construction Trades Council	(X)	94,068	94,068
Randy Perreira, Executive director	Hawaii Gov't Employees Ass'n, AFSCME Local 152	(NA)	(X)	90,906
Wayne Cahill, Administrative officer	Communications Workers Local 39117	516	85,030	84,495
Eric Gill, Financial sec't'y/treasurer	Unite Here Local 5	10,112	68,220	77,630
Lawrence Correa, President	Bricklayers Union	1,257	64,579	69,971
Nolan Moriwaki, Financial secretary	Plasterers & Cement Masons Local 630	1,009	68,497	66,622
Jerry Ahue, President	Communications Workers Local 1491	169	75,044	50,905
Stuart McKinley, Executive director	Hawaii Nurses' Association	3,606	(X)	30,850
Gerald Liu, Secretary/treasurer	Machinists Union Lodge 1479	3,190	30,941	30,514

X Not applicable.

NA Not available.

1/ Reflects a *Honolulu Advertiser* 'Correction' to the August 2, 2009 article correcting Mr. Cappello's affiliation and clarifying that the 2007 income is for a 3-month period.

Source: *Honolulu Advertiser*, "As unions struggle, leaders' pay goes up" (August 2, 2009)

<<http://www.honoluluadvertiser.com/article/20090802/NEWS01/908020365/As+unions+struggle++leaders++pay+goes+up>> accessed August 2, 2009 and 'Corrections' <<http://www.honoluluadvertiser.com/article/99999999/NEWS49/80319019/1340>> accessed August 5, 2009.

**Table 12.46-- AVERAGE AND TOTAL WEEKLY HOURS AT WORK:  
2000 TO 2014**

[In thousands of persons and number of hours. No reports were issued for 2005 to 2007]

<b>Subject</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Weekly hours at work	544	550	534	569	567	602	560	558	598	585	592	618
1 to 14 hours	26	28	24	26	25	29	31	29	30	29	25	27
15 to 29 hours	74	75	70	71	68	81	78	76	80	73	73	82
30 to 34 hours	39	48	39	41	44	44	58	53	46	44	40	43
35 to 39 hours	29	31	24	26	31	28	30	32	26	27	26	24
40 hours	243	235	253	279	276	293	255	262	309	303	319	328
41 to 48 hours	43	42	38	37	38	36	32	31	34	30	28	31
49 hrs. & over	91	91	87	89	85	91	76	75	74	79	82	84
Average hours												
Total at work	40.3	38.4	38.6	38.6	38.6	38.2	37.4	37.6	37.6	37.9	38.4	38.1
Persons who usually work full-time	43.9	42.4	42.3	42.3	42.1	41.9	41.1	41.4	41.5	41.7	42.0	41.9

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 2004* (Bulletin 2716) table 22 <<http://www.bls.gov/opub/gp/laugp.htm>> accessed January 16, 2009; and *Ibid. 2008* (Bulletin 2737, March 2010), table 22 <[http://www.bls.gov/opub/gp/pdf/gp08\\_16.pdf](http://www.bls.gov/opub/gp/pdf/gp08_16.pdf)> accessed March 2, 2010; *Ibid. 2009*, (Bulletin 2748, July 2010) table 22 <[http://www.bls.gov/opub/gp/pdf/gp09\\_22.pdf](http://www.bls.gov/opub/gp/pdf/gp09_22.pdf)> accessed March 16, 2011; *Ibid. 2010*, table 22 <[http://www.bls.gov/opub/gp/pdf/gp10\\_22.pdf](http://www.bls.gov/opub/gp/pdf/gp10_22.pdf)> accessed June 1, 2012; *Ibid. 2011*, table 22 <[http://www.bls.gov/opub/gp/pdf/gp11\\_22.pdf](http://www.bls.gov/opub/gp/pdf/gp11_22.pdf)> accessed May 15, 2013; *Ibid. 2012*, table 22 <[http://www.bls.gov/opub/gp/pdf/gp12\\_22.pdf](http://www.bls.gov/opub/gp/pdf/gp12_22.pdf)> accessed March 4, 2014; and earlier reports. <[http://www.bls.gov/opub/gp/pdf/gp13\\_22.pdf](http://www.bls.gov/opub/gp/pdf/gp13_22.pdf)> accessed March 18, 2015; and <[http://www.bls.gov/opub/gp/pdf/gp14\\_22.pdf](http://www.bls.gov/opub/gp/pdf/gp14_22.pdf)> accessed February 29, 2016.

**Table 12.47-- INTERSTATE MOVEMENT OF JOB-SEEKERS PARTICIPATING  
IN THE UNEMPLOYMENT INSURANCE PROGRAM: 1949 TO 2015**

Year	Island workers on Mainland 1/	Mainland workers in Hawaii 2/	Ratio 3/	Year	Island workers on Mainland 1/	Mainland workers in Hawaii 2/	Ratio 3/
1949	1,030	711	69	1983	4,414	4,659	106
1950	966	1,105	114	1984	4,123	4,220	102
1951	377	1,139	302	1985	4,039	3,993	99
1952	455	1,667	366	1986	3,664	3,932	107
1953	576	1,775	308	1987	3,805	3,161	83
1954	907	1,698	187	1988	3,942	2,974	75
1955	665	1,812	272	1989	3,961	2,679	68
1956	686	1,617	236	1990	5,275	2,910	55
1957	1,100	1,813	165	1991	7,197	3,453	48
1958	1,547	2,219	143	1992	9,554	4,432	46
1959	1,280	2,126	166	1993	9,543	4,356	46
1960	1,716	2,595	151	1994	10,121	4,229	42
1961	2,863	3,235	113	1995	10,115	4,000	40
1962	2,966	3,594	121	1996	8,633	3,338	39
1963	2,683	3,787	141	1997	7,051	2,356	33
1964	2,572	3,705	144	1998	4,366	2,720	62
1965	2,257	3,411	151	1999	3,511	2,572	73
1966	1,859	2,655	143	2000	2,845	2,910	102
1967	2,196	3,102	141	2001	3,423	3,611	105
1968	2,014	2,896	144	2002	3,223	4,325	134
1969	2,652	3,600	136	2003	2,826	4,247	150
1970	5,078	6,062	119	2004	2,359	3,209	136
1971	6,215	6,908	111	2005	2,399	2,680	112
1972	6,124	5,994	98	2006	2,731	2,273	83
1973	5,255	6,116	116	2007	3,028	2,163	71
1974	5,924	6,988	118	2008	3,986	2,559	64
1975	7,607	8,785	115	2009	4,072	3,842	94
1976	7,458	8,334	112	2010	3,214	3,478	108
1977	5,846	8,154	139	2011	3,148	3,384	107
1978	4,313	6,261	145	2012	3,001	2,896	97
1979	4,272	5,250	123	2013	3,187	2,608	82
1980	5,211	4,956	95	2014	3,316	2,054	62
1981	5,485	4,396	80	2015	3,060	1,742	57
1982	5,372	4,848	90				

1/ Interstate liable initial claims, State Unemployment Insurance Program (UI), excluding Federal Unemployment Compensation for Federal Employees program (UCFE) and Federal Unemployment Compensation for Ex-Service members program (UCX). Covers Hawaii workers seeking work and filing for benefits on the Mainland.

2/ Interstate agent initial claims (UI), excluding UCFE and UCX. Covers former Mainland workers living in Hawaii and filing unemployment insurance claims against their former Mainland employers.

3/ Interstate agent initial claims as a percent of interstate liable initial claims. Ratios under 100 suggest a net out-migration of workers.

Source: Hawaii State Department of Labor and Industrial Relations, Research & Statistics Office, Operations Management Information Section (OMI), records.

**Table 12.48-- NONFATAL OCCUPATIONAL INJURIES AND ILLNESSES,  
PRIVATE INDUSTRY: 1995 TO 2014**

[Numbers in thousands. Beginning in 2003, industries are according to the North American Industry Classification System (NAICS) Manual, 2002 and prior to 2003, industries are according to Standard Industrial Classification (SIC), 1987. Agriculture, forestry and fishing (farms with more than 10 employees); construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services]

Subject	Total cases		Lost workday cases 1/		Cases without lost workdays
	Number	Per 100 full-time workers	Number	Per 100 full-time workers	
Injuries and illnesses					
1995	27.1	8.0	13.9	4.1	13.1
1996	23.0	6.8	12.1	3.6	10.8
1997	23.5	6.8	12.8	3.7	10.7
1998	21.2	6.5	12.1	3.7	9.1
1999	20.5	6.0	11.4	3.4	9.1
2000	21.4	6.0	12.4	3.5	9.1
2001	20.4	5.7	11.8	3.3	8.6
Injuries					
1995	26.2	7.7	13.4	4.0	12.8
1996	21.9	6.5	11.6	3.4	10.3
1997	22.7	6.6	12.4	3.6	10.3
1998	20.4	6.3	11.7	3.6	8.7
1999	19.7	5.8	11.0	3.2	8.7
2000	20.7	5.8	11.9	3.4	8.8
2001	19.3	5.4	11.1	3.1	8.1
Injuries and illnesses 2/					
2002	19.5	5.8	3/ 11.8	3/ 3.5	7.8
2003	18.6	5.4	3/ 11.6	3/ 3.4	7.0
2004	17.8	4.9	3/ 10.7	3/ 3.0	7.1
2005	18.5	4.9	3/ 11.5	3/ 3.1	7.0
2006	18.2	4.8	3/ 11.5	3/ 3.0	6.7
2007	18.1	4.6	3/ 11.8	3/ 3.0	6.3
2008	16.7	4.3	3/ 10.4	3/ 2.6	6.3
2009	14.9	4.0	3/ 8.9	3/ 2.4	6.0
2010	14.0	3.9	3/ 8.2	3/ 2.3	5.8
2011	12.7	3.5	3/ 7.6	3/ 2.1	5.0
2012	13.7	3.8	3/ 8.2	3/ 2.3	5.5
2013	13.5	3.7	3/ 8.2	3/ 2.3	5.2
2014	14.3	3.7	3/ 8.6	3/ 2.2	5.7

1/ Days away from work, or days of restricted work activity, or both.

2/ Beginning in 2002, the categories of illnesses were expanded and data not comparable to previous years.

3/ Days away from work, job transfer, or restriction.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, *Occupational Injuries and Illnesses Survey* (annual); U.S. Bureau of Labor Statistics, "State Occupational Injuries, Illnesses, and Fatalities" <<http://www.bls.gov/iif/oshstate.htm#HI>> tables 6 and 7 accessed June 3, 2016. See also "Occupational injuries and illnesses: industry data (2011 forward)" <<http://www.bls.gov/iif/data.htm>> accessed June 3, 2016.

**Table 12.49-- FATAL OCCUPATIONAL INJURIES BY EVENT OR EXPOSURE: 2003 TO 2014**

[All workers who died in Hawaii while working, including military personnel, federal government workers and nonresidents, but not residents who died out-of-state]

Event or exposure	2003-2009	2010	2011	2012	2013	2014
Total	146	19	26	20	11	31
Aircraft incidents	25	(1/)	(2/)	(2/)	(2/)	(2/)
Highway incidents	24	(1/)	(2/)	(2/)	(2/)	(2/)
Fall to a lower level	14	4	(2/)	(2/)	(2/)	(2/)
Struck by object or equipment	13	(1/)	(2/)	(2/)	(2/)	(2/)
Homicides	12	(1/)	(2/)	(2/)	(2/)	(2/)
Caught in or compressed by equipment or objects	8	(1/)	(2/)	(2/)	(2/)	(2/)
Exposure to caustic, noxious, or allergic subs.	8	(1/)	(2/)	(2/)	(2/)	(2/)
Suicide, self-inflicted injury	7	3	(2/)	(2/)	(2/)	(2/)
Nonhighway incidents, except rail, air, or water	7	3	(2/)	(2/)	(2/)	(2/)
Drowning, submersion	5	(1/)	(2/)	(2/)	(2/)	(2/)
Water vehicle incidents	5	(1/)	(2/)	(2/)	(2/)	(2/)
Pedestrian struck by vehicle, mobile equipment	4	(1/)	(2/)	(2/)	(2/)	(2/)
Other	14	9	(2/)	(2/)	(2/)	(2/)
Violence & other injuries by persons or animals 3/	(2/)	(2/)	(1/)	4	(1/)	4
Transportation incidents 4/	(2/)	(2/)	10	3	4	14
Fires and explosions	(2/)	(2/)	5	(1/)	(1/)	(1/)
Falls, slips, trips	(2/)	(2/)	6	8	4	7
Exposure to harmful substances or environments	(2/)	(2/)	2	(1/)	2	(1/)
Contact with objects and equipment	(2/)	(2/)	(1/)	4	(1/)	3

1/ Indicates no data reported or data that do not meet publication standards.

2/ There have been major revisions to the Occupational Injury and Illness Classification System (OIICS), which is used to describe the characteristics of fatal work injuries. Data for the OIICS case characteristics for 2011 represent a break in series with data for prior years. Subsequent revisions may provide partial reclassified data. More information on OIICS can be found at <[www.bls.gov/iif/oshioics.htm](http://www.bls.gov/iif/oshioics.htm)>.

3/ Includes violence by persons, self-inflicted injuries, and attacks by animals.

4/ Includes highway, nonhighway, air, water, and rail fatal injuries, and fatal injuries resulting from being struck by a vehicle.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, *Census of Fatal Occupational Injuries, 2003 to 2009*

<<http://hawaii.gov/labor/rs/census-of-fatal-occupational-injuries>> accessed May 9, 2011 and records; and U.S. Bureau of Labor Statistics, "Fatal occupational injuries in Hawaii 2010"

<<http://www.bls.gov/iif/oshwc/foi/tgs/2010/iiffi15.htm>>; "Census of Fatal Occupational Injuries (2011 forward)" <<http://www.bls.gov/data/>> accessed October 27, 2015.

**Table 12.50-- FATAL OCCUPATIONAL INJURIES FOR HAWAII AND THE UNITED STATES: 1992 TO 2014**

[All workers who died in Hawaii or the United States while working, including military personnel, federal government workers and nonresidents, but not residents who died out-of-state or out-of-the-country. All data are final]

Year	Hawaii	United States	Year	Hawaii	United States
1992	28	6,217	2005	15	5,734
1993	26	6,331	2006	30	5,840
1994	21	6,632	2007	23	5,657
1995	24	6,275	2008	19	5,214
1996	27	6,202	2009	13	4,551
1997	19	6,238	2010	19	4,690
1998	12	6,055			
1999	32	6,054	Revised OIICS 2/		
2000	20	5,920	2011	26	4,693
2001 1/	41	5,915	2012	20	4,628
2002	24	5,534	2013	11	4,585
2003	21	5,575	2014	31	4,821
2004	25	5,764			

1/ Totals for 2001 exclude fatalities resulting from the September 11 terrorist attacks.

2/ The 2011 data incorporate a major revision in the Occupational Injury and Illness Classification System (OIICS), which is used to describe the characteristics of fatal work injuries. Because of the extensive revisions, data for the OIICS case characteristics for reference year 2011 represent a break in series with data for prior years. See also "Occupational Injury and Illness Classification Manual" <<http://www.bls.gov/iif/oshoiics.htm>>.

Source: U.S. Bureau of Labor Statistics, *Census of Fatal Occupational Injuries All Worker Profile, 1992-2002* (revised data, January 7, 2005) <<http://www.bls.gov/iif/oshwc/foi/cftb0186.pdf>> accessed April 21, 2005; *Census of Fatal Occupational Injuries (CFOI) - Current and Revised Data*, "Census of Fatal Occupational Injuries Charts, 1992-2014 (revised data)" <<http://www.bls.gov/iif/oshcfoi1.htm>> accessed July 8, 2016; "Census of Fatal Occupational Injuries All worker profile, 1992-2002" <<http://www.bls.gov/iif/oshwc/foi/cftb0186.pdf>> accessed July 8, 2016; State Occupational Injuries, Illnesses, and Fatalities, "Fatal occupational injuries by selected characteristics, by major event or exposure, Hawaii" (annual) <<http://www.bls.gov/iif/oshstate.htm#HI>> accessed July 8, 2016.

**Table 12.51-- WORK INJURIES, DEATHS, TIME LOST AND  
COMPENSATION COSTS: 1990 TO 2014**

<b>Year</b>	<b>Reported cases</b>	<b>Reported deaths</b>	<b>Time lost (compensated days)</b>	<b>Compensation costs (\$1,000)</b>
1990	53,050	59	1,434,262	218,837
1991	56,738	51	1,636,375	234,971
1992	49,204	42	1,832,901	288,003
1993	46,762	33	1,957,217	323,763
1994	42,658	41	1,821,164	343,080
1995	37,476	26	1,571,539	326,123
1996	33,628	29	1,371,739	288,495
1997	33,255	30	1,258,468	254,915
1998	30,727	17	1,160,365	233,225
1999	30,309	26	1,108,149	222,056
2000	31,836	34	1,151,879	231,359
2001	30,179	34	1,263,787	252,041
2002	29,757	31	1,277,863	267,827
2003	28,668	27	1,324,577	274,922
2004	26,321	32	1,186,798	271,290
2005	28,018	21	1,094,172	250,779
2006	27,440	32	946,149	242,685
2007	26,105	27	961,564	247,294
2008	24,542	26	957,146	245,763
2009	21,520	20	910,488	244,375
2010	20,654	27	927,096	242,400
2011	20,515	24	945,665	246,780
2012	21,052	22	952,758	248,433
2013	20,721	22	999,969	260,352
2014	20,693	29	1,026,696	270,720

Source: Hawaii State Department of Labor and Industrial Relations, *Workers' Compensation Data Book* (annual) and for 2000 to 2014  
<<http://labor.hawaii.gov/rs/home/work-injuries-and-illnesses/workers-compensation-data/>> accessed February 29, 2016.

**Table 12.52-- UNION AFFILIATION OF EMPLOYED WAGE AND SALARY WORKERS FOR HAWAII AND THE UNITED STATES: 2000 TO 2015**

[Data reflect annually revised population controls used in the Current Population Survey which is a monthly survey of households conducted by the Bureau of the Census for the Bureau of Labor Statistics. Data refer to the sole or principal job of full- and part-time workers 16 years and over. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated]

Year	Hawaii					United States				
	Total employed (1,000)	Members of unions (1,000) 1/	Percent of employed	Represented by unions (1,000) 2/	Percent of employed	Total employed (1,000)	Members of unions (1,000) 1/	Percent of employed	Represented by unions (1,000) 2/	Percent of employed
2000	503	125	24.8	131	26.0	122,089	16,334	13.4	18,153	14.9
2001	515	118	22.9	129	25.0	122,229	16,305	13.3	18,026	14.7
2002	490	120	24.5	124	25.3	121,826	16,145	13.3	17,695	14.5
2003	511	122	23.8	127	24.8	122,358	15,776	12.9	17,448	14.3
2004	533	126	23.7	132	24.8	123,554	15,472	12.5	17,087	13.8
2005	545	141	25.8	145	26.7	125,889	15,685	12.5	17,223	13.7
2006	562	139	24.7	146	25.9	128,237	15,359	12.0	16,860	13.1
2007	556	130	23.4	135	24.2	129,767	15,670	12.1	17,243	13.3
2008	562	136	24.3	143	25.5	129,377	16,098	12.4	17,761	13.7
2009	526	123	23.5	128	24.3	124,490	15,327	12.3	16,904	13.6
2010	511	111	21.8	120	23.5	124,073	14,715	11.9	16,290	13.1
2011	525	113	21.5	118	22.5	125,187	14,764	11.8	16,290	13.0
2012	537	116	21.6	124	23.2	127,577	14,366	11.3	15,922	12.5
2013	549	121	22.1	129	23.6	129,110	14,528	11.3	16,028	12.4
2014	572	124	21.8	131	22.9	131,431	14,576	11.1	16,152	12.3
2015	583	119	20.4	126	21.7	133,743	14,795	11.1	16,441	12.3

1/ Members of a labor union or an employee association similar to a union.

2/ Members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

Source: U.S. Bureau of Labor Statistics, "Union Members - 2015" (USDL-16-0158, January 28, 2016) <<http://www.bls.gov/news.release/union2.toc.htm>> accessed January 28, 2016 and earlier annual releases. See also "Access to Historical Data for the Tables of the Union Membership News Release", tables 1 and 5 <<http://www.bls.gov/cps/cpslutabs.htm>> accessed January 28, 2016.

**Table 12.53-- LABOR UNIONS AND MEMBERSHIP: 2007- 2008 AND  
2009- 2010**

Subject	Total	AFL-CIO affiliated	Independent
<b>2007- 2008</b>			
Unions	112	93	19
Membership	1/ 2/ 169,127	1/ 106,439	2/ 62,688
<b>2009- 2010</b>			
Unions	114	95	19
Membership	3/ 4/ 177,538	3/ 106,750	4/ 70,788

1/ Excluded are four unions not reporting membership for Hawaii: Electrical Workers Hawaii Local 368-E; Marine Firemen, Oilers, Watertenders and Wipers Association, Pacific Coast (total membership of 1,000 includes San Francisco, Wilmington, Seattle and Honolulu); Teachers, Hawaii Federation of Local 1127; United Public Workers, AFSCME, Local 646. The largest memberships reported: Hawaii Government Employees Association, AFSCME, Local 152 (42,700) and the Longshore and Warehouse Union, International Local 142 (22,000).

2/ Footnote revised from previous *Data Book*. Excluded is one union not reporting membership: Collective Bargaining Organization of Hawaii Nurses' Association. The largest memberships reported: Teamsters, Chauffeurs, Warehousemen and Helpers of America, International Brotherhood Airlines Division Local 986 (22,000); Hawaii State Teachers' Association (12,600); and UNITE HERE (Hotel Employees & Restaurant Employees) Local 5 (10,800).

3/ Excluded are six unions not reporting membership for Hawaii: Electrical Workers Hawaii Local 368-E; Marine Firemen, Oilers, Watertenders and Wipers Association, Pacific Coast (total membership of 1,000 includes San Francisco, Wilmington, Seattle and Honolulu); American Federation of Government Employees Local 1234; Teachers, Hawaii Federation of Local 1127; United Steel Workers Local 12-369; and United Public Workers, AFSCME, Local 646. The largest memberships reported: Hawaii Government Employees Association, AFSCME, Local 152 (43,757) and the Longshore and Warehouse Union, International Local 142 (20,900).

4/ Excluded is one union not reporting membership: Collective Bargaining Organization of Hawaii Nurses' Association. The largest memberships reported: Teamsters, Chauffeurs, Warehousemen and Helpers of America, International Brotherhood Airlines Division Local 986 (22,000); Hawaii State Teachers' Association (13,700); and UNITE HERE (Hotel Employees & Restaurant Employees) Local 5 (10,800).

Source: Hawaii State AFL-CIO, *Directory of Labor Organizations and Affiliates, 2007-2008*, and *Ibid. 2009-2010*; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.54-- STATE AND COUNTY EMPLOYEES IN COLLECTIVE BARGAINING UNITS,  
BY EMPLOYING JURISDICTION: 1999 TO 2015**

[As of December 31]

Year	Total	State of Hawaii	City & County of Honolulu	County of Hawaii	County of Maui	County of Kauai	Dept. of Educ.	Judiciary	University of Hawaii	HHSC 1/
1999	54,778	23,484	7,995	1,815	1,632	875	13,113	1,434	4,430	(2/)
2000	56,426	22,052	7,945	1,852	1,670	881	13,276	1,445	4,539	2,766
2001	58,084	22,639	8,077	1,874	1,705	908	13,707	1,484	4,613	3,077
2002	59,320	21,454	7,907	1,834	1,776	918	13,710	1,546	6,321	3,854
2003	58,079	20,746	7,924	1,874	1,780	921	13,517	1,485	6,516	3,316
2004	64,040	18,436	7,916	1,937	1,790	938	21,789	1,376	6,667	3,191
2005	59,316	13,624	7,863	1,938	1,839	840	21,727	1,394	6,837	3,254
2006	60,256	13,656	8,063	2,056	1,869	942	21,879	1,525	7,035	3,231
2006	60,256	13,656	8,063	2,056	1,869	942	21,879	1,525	7,035	3,231
2007	60,934	12,988	8,200	2,153	1,915	978	22,238	1,580	7,264	3,618
2008	61,684	13,356	8,411	2,294	2,037	988	22,059	1,507	7,512	3,520
2009	61,528	13,478	8,253	2,241	2,118	987	22,101	1,567	7,363	3,420
2010	59,573	12,362	8,044	2,193	2,133	841	21,598	1,599	7,178	3,625
2011	59,516	12,105	7,884	2,171	2,110	1,024	21,551	1,587	7,335	3,749
2012	60,030	12,458	7,804	2,186	2,068	1,140	21,456	1,575	7,472	3,871
2013	60,830	12,437	7,994	2,229	2,217	1,043	21,801	1,598	7,626	3,885
2014	61,086	12,773	3/ 8,181	2,286	2,101	1,119	21,714	1,607	7,519	3,786
2015	60,729	12,368	3/ 8,172	2,306	2,125	1,082	21,562	1,599	7,410	4,105

1/ HHSC is the Hawaii Health Systems Corporation.

2/ Included in 'State of Hawaii'.

3/ In 2014 includes 152 employees and in 2015, 212 employees in Bargaining Unit 14 - State law enforcement officers and state and county ocean safety and water safety officers.

Source: Hawaii Labor Relations Board, *HLRB Informational Bulletin, No. 41*, April 2, 2003 and revised August 12, 2003; *No. 42*, May 14, 2004; *No. 43*, June 23, 2005; *No. 44*, April 5, 2006; *No. 45*, April 5, 2007; *No. 46*, March 3, 2008; *No. 47*, March 3, 2009; *No. 48*, March 16, 2010; *No. 49*, June 30, 2011 and unpublished correction; *No. 50*, April 9, 2012; *No. 51*, April 30, 2013; *No. 52*, April 23, 2014; *No. 53*, May 22, 2015; *No. 54 Revised*, April 7, 2016 and unpublished correction; and earlier issues; for No. 43 to No. 53, see also <<http://labor.hawaii.gov/hlrp/find-a-report/>> accessed July 14, 2016.

**Table 12.55-- COLLECTIVE BARGAINING AGREEMENTS: 1964 TO 2016**

Year	Number of agreements	Workers covered		Year	Number of agreements	Workers covered	
		Total	Average per agreement			Total	Average per agreement
1964	275	(NA)	(NA)	1991	107	23,700	221
1965	309	31,500	102	1992	1,413	21,400	15
1966	277	23,800	86	1993	369	65,900	179
1967	257	15,900	62	1994	84	8,000	95
1968	172	15,400	90	1995	270	57,300	212
1969	296	19,100	65	1996	136	49,250	362
1970	190	14,900	78	1997	1,334	62,800	47
1971	151	9,800	65	1998	786	18,900	24
1972	511	47,100	92	1999	123	65,890	536
1973	390	28,000	72	2000	(1/)	(1/)	(1/)
1974	223	34,700	156	2001	(1/)	(1/)	(1/)
1975	1,265	36,100	29	2002	1,187	21,550	18
1976	380	57,450	151	2003	252	69,800	277
1977	2,255	87,350	39	2004	71	8,900	125
1978	967	29,500	31	2005	199	61,430	309
1979	312	61,600	198	2006	74	10,850	147
1980	2,298	49,900	22	2007	249	73,210	294
1981	267	53,700	201	2008	202	13,440	67
1982	379	27,400	72	2009	63	66,720	1,059
1983	1,019	68,000	67	2010	(1/)	(1/)	(1/)
1984	901	26,200	29	2011	(1/)	(1/)	(1/)
1985	350	58,450	167	2012	76	9,598	126
1986	138	13,550	98	2013	76	12,528	165
1987	1,375	80,400	58	2014	90	15,000	167
1988	433	16,290	38	2015	74	45,500	615
1989	104	50,950	490	2016	50	3,450	69
1990	194	24,300	125				

NA Not available.

1/ Report had been suspended in 2000 and 2001, and in 2010 and 2011.

Source: University of Hawaii at Manoa, Industrial Relations Center, *Duration of Collective Bargaining Agreements in Hawaii, 2009*, Occasional Publication No. 188 (January 2009), p. 1; and *Ibid. Hawaii Collective Bargaining Agreement Expirations & Reopenings* (annual), p. 1; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 12.56-- WORK STOPPAGES: 1990 TO 2015**

[Data exclude stoppages lasting less than one full shift (8 hours) and stoppages affecting fewer than 6 workers. Data are limited to stoppages begun or in progress during the week containing the 12th of each month]

Year	Number of stoppages 1/	Workers involved 1/	Man-days lost 2/
1990	13	7,415	119,509
1991	-	-	-
1992	-	-	-
1993	2	160	6,018
1994 3/	3	12,202	109,529
1995	-	-	-
1996	1	13	715
1997	-	-	-
1998	1	150	(NA)
1999	-	-	-
2000	-	-	-
2001	2	15,100	195,900
2002	1	1,170	(NA)
2003	5	2,680	(NA)
2004	2	210	(NA)
2005	1	25	(NA)
2006	2	150	(NA)
2007	-	-	-
2008	-	-	-
2009	-	-	-
2010	3	1,725	(NA)
2011	3	2,461	(NA)
2012	-	-	-
2013	-	-	-
2014	-	-	-
2015 4/	-	-	-

NA Not available.

1/ Stoppages carrying over from previous year are counted in both years.

2/ Partly estimated.

3/ Data exclude Hawaii Government Employees' Association (HGEA) strikers in Hawaii County.

4/ The strike by Local 5 employees at Kaiser-Permanente was February 2-7 and not during the DLIR criterion for the workweek containing the 12th.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, unpublished estimates. See also U.S. Bureau of Labor Statistics, "Major Work Stoppages" (annual) <<http://www.bls.gov/wsp/>> accessed February 29, 2016.

**Table 12.57-- WORK STOPPAGES INVOLVING 1,000 OR MORE WORKERS:  
1983 TO 2015**

<b>Year</b>	<b>Number of stoppages begun in year</b>	<b>Workers involved 1/</b>	<b>Man-days idle during year</b>	<b>Percent of estimated nonagricultural working time</b>
1983	1	2,800	5,600	0.01
1984	1	1,000	70,000	0.01
1985	1	1,000	11,000	0.01
1986-1993	-	-	-	-
1994	1	15,800	136,500	(NA)
1995-2000	-	-	-	-
2001	2	15,100	195,900	(NA)
2002	1	1,170	(NA)	(NA)
2003	2	2,470	(NA)	(NA)
2004-2009	-	-	-	-
2010	1	1,185	(NA)	(NA)
2011	1	1,261	(NA)	(NA)
2012-2015	-	-	-	-

NA Not available.

1/ Workers counted more than once if involved in more than one stoppage during year.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, unpublished estimates. See also U.S. Bureau of Labor Statistics, "Major Work Stoppages" (annual) <<http://www.bls.gov/wsp/>> accessed February 29, 2016.

## Section 13

# INCOME, EXPENDITURES, AND WEALTH

This section presents statistics on different aspects of income and expenditures, relating to state personal income, gross domestic product and to the distribution of income to families, households and individuals. Specifically, information is given on gross domestic product by industry; personal, family and household income; poverty, personal wealth, and family expenditures. Data on wage rates, salaries, and earnings appear in Sections 3, 9, 12, and 22; on industrial payrolls, in Sections 12, 15, and 20 through 23; on the family income of visitors, in Section 7; on retirement payments and public assistance, in Sections 10 and 11; on taxable income, in Section 9.

The chief sources of data shown in this section are the U.S. Bureau of Economic Analysis, U.S. Census Bureau, U.S. Bureau of Labor Statistics, U.S. Department of Health and Human Services, U.S. Internal Revenue Service; and USDA, NASS, Hawaii Field Office, and Hawaii State Department of Business, Economic Development & Tourism. Sections 6 and 7 of *Historical Statistics of Hawaii* present data for earlier years. Comparable data for the country as a whole are given in the *Statistical Abstract of the United States: 2012*, Section 13.

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**Table 13.01-- DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES:  
1990 TO 2015**

[In millions of dollars]

Year	Value of production		Defense expenditures 2/	Visitor expenditures 3/
	Raw sugar and molasses 1/	Fresh & processed pineapple		
1990	328.9	215.9	2,713.1	8,825.9
1991	270.7	224.6	3,078.7	9,142.6
1992	237.6	197.7	3,063.5	8,754.5
1993	251.9	140.6	3,127.5	7,928.6
1994	247.9	134.1	3,403.8	9,677.0
1995	200.2	135.0	3,087.5	10,207.9
1996	168.8	147.0	3,436.0	9,709.3
1997	132.5	136.7	3,407.8	10,249.4
1998	133.1	145.1	3,609.8	10,058.8
1999	131.3	144.8	3,577.5	10,005.1
2000	95.9	132.2	3,722.8	10,590.1
2001	90.6	136.6	3,991.9	9,061.3
2002	100.3	144.0	4,304.8	9,608.9
2003	99.0	142.9	4,842.1	10,054.5
2004	94.1	123.2	4,761.3	10,861.8
2005	92.5	113.4	5,015.3	11,904.0
2006	79.7	(NA)	5,379.2	12,491.6
2007	76.3	(NA)	5,466.7	12,811.1
2008	71.4	(NA)	6,107.2	11,398.5
2009	73.6	(NA)	8,319.7	9,993.2
2010	109.6	(NA)	9,995.0	11,066.3
2011	125.2	(NA)	(NA)	12,158.2
2012	(NA)	(NA)	(NA)	14,364.8
2013	(NA)	(NA)	(NA)	14,520.5
2014 1/	(NA)	(NA)	(NA)	14,973.3
2015	(NA)	(NA)	(NA)	15,110.9

NA Not available.

1/ Excludes government sugar support payments.

2/ Fiscal year ending September 30.

3/ Direct visitor expenditures in Hawaii, exclusive of transpacific transportation. Includes additional business expenditures by MCI (meetings, conventions, and incentive) visitors. As first shown in *Data Book 2002*, 1998 implemented a revised methodology for visitor expenditures.

4/ Visitor expenditures revised from previous *Data Book*.

Source: USDA, NASS, Hawaii Field Office, Statistics of Hawaii Agriculture (annual), records, and for 2008 to 2011 <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)> accessed July 30, 2013; Hawaii State Department of Business, Economic Development & Tourism, Annual Visitor Research Report (annual) <<http://www.hawaiiourismauthority.org/>> accessed July 14, 2016 and records; Hawaii Tourism Authority, Tourism Research; and U.S. Census Bureau, Consolidated Federal Funds Report (annual) and for 1993-2010 <<http://www.census.gov/govs/cffr/>>

**Table 13.02-- GROSS DOMESTIC PRODUCT, TOTAL AND PER CAPITA  
AND RESIDENT POPULATION: 1963 TO 2015**

[Gross Domestic Product (NAICS) estimates for Real and and per capita Real estimates for 1997-2014 and current dollar and per capita current dollar 2007 to 2014 and population estimates for 2010 to 2013 revised from previous Data Book]

Year and category	Gross domestic product		Per capita gross domestic product		Resident population 2/
	Millions of current dollars	Millions of chained 1997 dollars 1/	Current dollars 2/	Chained 1997 dollars 1/	
SIC 3/					
1963	2,367	(NA)	3,471	(NA)	682,000
1964	2,571	(NA)	3,673	(NA)	700,000
1965	2,849	(NA)	4,047	(NA)	704,000
1966	3,110	(NA)	4,380	(NA)	710,000
1967	3,307	(NA)	4,574	(NA)	723,000
1968	3,722	(NA)	5,071	(NA)	734,000
1969	4,262	(NA)	5,736	(NA)	743,000
1970	4,813	(NA)	6,309	(NA)	762,920
1971	5,188	(NA)	6,554	(NA)	791,580
1972	5,624	(NA)	6,874	(NA)	818,104
1973	6,353	(NA)	7,546	(NA)	841,851
1974	7,143	(NA)	8,324	(NA)	858,121
1975	8,173	(NA)	9,340	(NA)	875,052
1976	8,526	(NA)	9,555	(NA)	892,335
1977	9,441	(NA)	10,310	(NA)	915,749
1978	10,508	(NA)	11,313	(NA)	928,816
1979	11,869	(NA)	12,493	(NA)	950,050
1980	13,380	(NA)	13,826	(NA)	967,710
1981	14,640	(NA)	14,966	(NA)	978,195
1982	15,740	(NA)	15,839	(NA)	993,780
1983	17,260	(NA)	17,043	(NA)	1,012,717
1984	19,132	(NA)	18,612	(NA)	1,027,922
1985	20,722	(NA)	19,931	(NA)	1,039,698
1986	22,437	(NA)	21,333	(NA)	1,051,762
1987	24,273	32,376	22,729	30,317	1,067,917
1988	26,799	34,587	24,818	32,030	1,079,827
1989	29,427	36,643	26,884	33,477	1,094,588
1990	32,534	39,176	29,218	35,183	1,113,491
1991	34,357	39,756	30,224	34,973	1,136,754
1992	36,129	40,834	31,183	35,244	1,158,613
1993	36,732	40,152	31,319	34,235	1,172,838
1994	37,395	40,062	31,490	33,735	1,187,536
1995	37,763	39,552	31,552	33,047	1,196,854
1996	38,125	39,132	31,672	32,508	1,203,755
1997	39,064	39,064	32,241	32,241	1,211,640

Continued on next page.

**Table 13.02-- GROSS DOMESTIC PRODUCT, TOTAL AND PER CAPITA  
AND RESIDENT POPULATION: 1963 TO 2015 -- Con.**

Year and category	Gross domestic product		Per capita gross domestic product		Resident population 2/
	Millions of current dollars	Millions of chained 2009 dollars 1/	Current dollars 2/	Chained 2009 dollars 1/	
NAICS 3/					
1997	37,915	53,507	31,292	44,161	1,211,640
1998	37,627	51,823	30,963	42,644	1,215,233
1999	39,177	52,515	32,370	43,390	1,210,300
2000	41,247	53,476	33,990	44,067	1,213,519
2001	42,789	53,371	34,903	43,535	1,225,948
2002	45,185	54,945	36,451	44,324	1,239,613
2003	48,559	57,461	38,811	45,926	1,251,154
2004	53,306	61,128	41,856	47,997	1,273,569
2005	58,123	64,365	44,961	49,790	1,292,729
2006	61,684	65,956	47,097	50,358	1,309,731
2007	64,775	67,012	49,233	50,933	1,315,675
2008	66,304	67,364	49,770	50,565	1,332,213
2009	64,986	64,986	48,255	48,255	1,346,717
2010	67,539	66,745	49,517	48,935	1,363,950
2011	69,689	67,686	50,563	49,110	1,378,251
2012	72,100	68,546	51,767	49,216	1,392,766
2013	74,012	69,089	52,529	49,035	1,408,987
2014	76,425	69,662	53,837	49,073	1,419,561
2015	79,745	70,845	55,695	49,479	1,431,806

NA Not available.

1/ Real GDP is an inflation-adjusted measure of each state's gross product that is based on national prices for the goods and services produced within that state.

2/ U.S. Census Bureau midyear population estimate. Estimates for 2010-2014 reflect Census Bureau midyear state population estimates available as of December 2014. Estimates for 2015 are derived from the quarterly state population estimates produced by BEA based on unpublished Census Bureau data. These were used to calculate the current dollar per capita GDP.

3/ There is a discontinuity in the GDP time series at 1997, where the data change from Standard Industrial Classification (SIC) industry definitions to North American Industry Classification System (NAICS) industry definitions. This discontinuity results from many sources, including differences in source data and different estimation methodologies. This data discontinuity may affect both the levels and the growth rates of the GDP estimates. Users of the GDP estimates are strongly cautioned against appending the two data series in an attempt to construct a single time series of GDP estimates for 1963 to 2015.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by State (June 14, 2016) <[http://www.bea.gov/iTable/index\\_regional.cfm](http://www.bea.gov/iTable/index_regional.cfm)> accessed June 14, 2016; Ibid. Annual State Personal Income and Employment, "SA1-3 Personal income summary, Population 1929-2015" (March 24, 2016) <[http://www.bea.gov/iTable/index\\_regional.cfm](http://www.bea.gov/iTable/index_regional.cfm)> accessed June 14, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.03-- GROSS DOMESTIC PRODUCT, HAWAII AND UNITED STATES:  
1963 TO 2015**

[NAICS 1997 to 2015 based on the 2007 North American Industry Classification System (NAICS).  
NAICS 1997 to 2014 Real \$2009 and Quantity Index; and 2007 to 2014 Current were revised  
from previous Data Book]

Year and category	Hawaii			United States		
	Millions of dollars		Chained quantity index (1997=100) 1/	Millions of dollars		Chained quantity index (1997=100) 1/
	Current	Real (chained 1997 dollars) 1/		Current	Real (chained 1997 dollars) 1/	
SIC 2/						
1963	2,367	(NA)	(NA)	607,008	(NA)	(NA)
1964	2,571	(NA)	(NA)	650,513	(NA)	(NA)
1965	2,849	(NA)	(NA)	704,697	(NA)	(NA)
1966	3,110	(NA)	(NA)	767,075	(NA)	(NA)
1967	3,307	(NA)	(NA)	811,782	(NA)	(NA)
1968	3,722	(NA)	(NA)	887,569	(NA)	(NA)
1969	4,262	(NA)	(NA)	962,902	(NA)	(NA)
1970	4,813	(NA)	(NA)	1,012,299	(NA)	(NA)
1971	5,188	(NA)	(NA)	1,097,173	(NA)	(NA)
1972	5,624	(NA)	(NA)	1,210,292	(NA)	(NA)
1973	6,353	(NA)	(NA)	1,356,500	(NA)	(NA)
1974	7,143	(NA)	(NA)	1,472,024	(NA)	(NA)
1975	8,173	(NA)	(NA)	1,602,228	(NA)	(NA)
1976	8,526	(NA)	(NA)	1,780,497	(NA)	(NA)
1977	9,441	(NA)	60.618	1,986,408	(NA)	54.609
1978	10,508	(NA)	62.986	2,243,230	(NA)	57.526
1979	11,869	(NA)	66.170	2,489,416	(NA)	59.258
1980	13,380	(NA)	68.503	2,713,933	(NA)	59.254
1981	14,640	(NA)	68.231	3,057,318	(NA)	60.863
1982	15,740	(NA)	68.777	3,211,370	(NA)	60.081
1983	17,260	(NA)	71.502	3,445,372	(NA)	61.804
1984	19,132	(NA)	74.183	3,853,668	(NA)	66.212
1985	20,722	(NA)	76.728	4,126,664	(NA)	68.854
1986	22,437	(NA)	79.329	4,340,813	(NA)	70.335
1987	24,273	32,376	82.879	4,649,020	6,076,695	73.351
1988	26,799	34,587	88.539	5,053,003	6,398,624	77.237
1989	29,427	36,643	93.802	5,366,080	6,540,047	78.944
1990	32,534	39,176	100.286	5,651,747	6,638,210	80.129
1991	34,357	39,756	101.770	5,842,665	6,627,809	80.003
1992	36,129	40,834	104.532	6,167,644	6,828,525	82.426
1993	36,732	40,152	102.786	6,467,698	6,967,716	84.106
1994	37,395	40,062	102.554	6,912,844	7,288,327	87.976
1995	37,763	39,552	101.249	7,299,372	7,539,096	91.003
1996	38,125	39,132	100.175	7,749,965	7,871,721	95.018
1997	39,064	39,064	100.000	8,284,432	8,284,432	100.000

Continued on next page.

**Table 13.03-- GROSS DOMESTIC PRODUCT, HAWAII AND UNITED STATES:  
1963 TO 2015 -- Con.**

Year and category	Hawaii			United States		
	Millions of dollars		Chained quantity index (2009=100) 1/	Millions of dollars		Chained quantity index (2009=100) 1/
	Current	Real (chained 2009 dollars) 1/		Current	Real (chained 2009 dollars) 1/	
NAICS 2/						
1997	37,915	53,507	82.337	8,549,209	11,128,850	77.715
1998	37,627	51,823	79.745	9,030,651	11,607,610	81.058
1999	39,177	52,515	80.811	9,602,088	12,150,912	84.852
2000	41,247	53,476	82.290	10,225,879	12,625,319	88.165
2001	42,789	53,371	82.128	10,562,041	12,743,616	88.991
2002	45,185	54,945	84.549	10,916,911	12,970,942	90.578
2003	48,559	57,461	88.421	11,446,549	13,303,902	92.904
2004	53,306	61,128	94.064	12,206,995	13,772,782	96.178
2005	58,123	64,365	99.046	13,022,458	14,211,385	99.241
2006	61,684	65,956	101.493	13,781,347	14,593,536	101.909
2007	64,775	67,012	103.118	14,391,149	14,798,367	103.340
2008	66,304	67,364	103.659	14,626,598	14,718,301	102.781
2009	64,986	64,986	100.000	14,320,114	14,320,114	100.000
2010	67,539	66,745	102.707	14,859,772	14,628,165	102.151
2011	69,689	67,686	104.156	15,406,002	14,833,679	103.586
2012	72,100	68,546	105.479	16,041,240	15,126,279	105.630
2013	74,012	69,089	106.315	16,548,794	15,317,174	106.963
2014	76,425	69,662	107.196	17,233,139	15,653,000	109.308
2015	79,745	70,845	109.016	17,830,307	16,023,115	111.892

NA Not available.

1/ Real GDP is an inflation-adjusted measure of each State's gross product that is based on national prices for the goods and services produced within that State.

2/ There is a discontinuity in the GDP time series at 1997, where the data change from Standard Industrial Classification (SIC) industry definitions to North American Industry Classification System (NAICS) industry definitions. This discontinuity results from many sources, including differences in source data and different estimation methodologies. This data discontinuity may affect both the levels and the growth rates of the GDP estimates. Users of the GDP estimates are strongly cautioned against appending the two data series in an attempt to construct a single time series of GDP estimates for 1963 to 2014.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by State (June 14, 2016) <[http://www.bea.gov/iTable/index\\_regional.cfm](http://www.bea.gov/iTable/index_regional.cfm)> accessed June 14, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.04-- GROSS DOMESTIC PRODUCT, BY SIC INDUSTRY: 1977 TO 1997**

[In millions of current dollars. GDP estimates of private industries for 1987 forward are presented on the basis of the 1987 Standard Industrial Classification code (SIC). Estimates for earlier years are presented on the basis of the 1972 SIC. BEA released revised NAICS 2008-2014 estimates on June 16, 2016 but the current dollar estimates shown here were not affected. Formerly called 'Gross State Product']

Industry	1977	1982	1987	1992	1993	1994	1995	1996	1997
Total, all industries	9,441	15,740	24,273	36,129	36,732	37,395	37,763	38,125	39,064
Private industries	6,829	11,650	18,756	28,350	28,732	29,487	29,827	30,145	30,768
Agriculture, forestry, & fishing	212	339	438	471	431	451	425	451	457
Farms	181	289	340	297	273	281	249	277	284
Ag. serv, forestry, & fishing	31	49	98	174	158	171	176	174	174
Mining	(1/)	3	13	40	41	41	42	49	48
Construction	573	749	1,143	2,195	2,307	2,100	1,960	1,797	1,699
Manufacturing	511	683	991	1,215	1,053	1,085	1,041	1,062	1,023
Transp. and public utilities	982	1,486	2,375	3,483	3,299	3,531	3,804	3,932	4,056
Wholesale trade	460	653	918	1,361	1,410	1,468	1,460	1,496	1,502
Retail trade	995	1,612	2,493	3,736	3,940	4,075	4,163	4,280	4,360
Finan., insurance, & real estate	1,585	3,462	6,060	8,614	8,814	8,927	8,919	8,842	9,064
Real estate	1,240	2,673	4,658	7,177	7,210	7,298	7,414	7,417	7,534
Services	1,513	2,663	4,325	7,234	7,436	7,809	8,012	8,236	8,558
Hotels & other lodging places	437	724	1,083	1,698	1,704	1,822	1,923	2,042	2,156
Health services	316	572	959	1,739	1,849	1,952	1,997	2,024	2,068
Other than hotels & health	760	1,367	2,283	3,797	3,883	4,035	4,092	4,170	4,334
Government	2,612	4,090	5,516	7,780	8,001	7,908	7,936	7,980	8,296
Federal government	1,735	2,689	3,684	4,543	4,486	4,506	4,490	4,543	4,750
Civilian	681	1,125	1,406	1,741	1,769	1,803	1,869	1,832	1,990
Military	1,054	1,564	2,278	2,802	2,717	2,703	2,621	2,711	2,760
State and local government	876	1,401	1,832	3,236	3,515	3,402	3,446	3,437	3,546

1/ Less than \$500,000.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By Industry 1963 to 2015

<<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 14, 2016.

**Table 13.05-- GROSS DOMESTIC PRODUCT, BY NAICS INDUSTRY: 1997 TO 2015**

[In millions of current dollars. GDP estimates are on the 2007 North American Industry Classification System (NAICS) basis. Estimates for 1963 to 1997 are presented on the basis of the Standard Industrial Classification (SIC). See previous table for 1977 to 1997. 2007 to 2014 are revised from previous *Data Book*]

Industry	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total, all industries	37,915	37,627	39,177	41,247	42,789	45,185	48,559	53,306	58,123	61,684	64,775	66,304	64,986	67,539	69,689	72,100	74,012	76,425	79,745
Private industries	29,948	29,444	30,544	32,455	33,693	35,322	37,897	41,798	45,877	48,695	51,293	52,070	50,286	52,204	53,680	55,737	57,695	59,571	62,520
Agri., forestry, fishing, & hunting	348	342	366	366	356	377	414	420	428	449	411	402	385	414	443	424	442	440	436
Mining	35	35	39	40	38	34	38	40	42	64	94	98	109	89	74	82	80	85	85
Utilities	863	790	862	912	898	833	911	1,031	1,053	1,251	1,291	1,450	1,418	1,652	1,895	1,612	1,665	1,690	1,719
Construction	1,680	1,655	1,690	1,942	2,056	2,267	2,652	3,079	3,900	4,256	4,733	4,529	4,057	3,751	3,726	3,839	4,048	4,237	4,803
Manufacturing	762	731	806	833	931	984	1,116	1,109	1,166	1,207	1,233	1,318	1,287	1,247	1,322	1,360	1,436	1,410	1,446
Wholesale trade	1,445	1,441	1,443	1,510	1,543	1,587	1,695	1,824	1,932	1,981	2,095	2,167	2,037	2,096	2,184	2,281	2,369	2,419	2,480
Retail trade	3,315	3,232	3,219	3,389	3,474	3,539	3,830	4,060	4,393	4,573	4,613	4,522	4,370	4,527	4,764	5,023	5,070	5,130	5,300
Trans. & warehousing	2,114	1,983	1,967	1,940	1,797	1,765	1,920	2,221	2,567	2,847	2,853	2,618	2,521	2,831	2,849	3,043	3,289	3,355	3,519
Information	1,231	1,184	1,208	1,200	1,252	1,293	1,283	1,514	1,575	1,699	1,796	1,770	1,687	1,987	1,674	1,675	1,824	1,797	1,835
Finance and insurance	1,231	1,242	1,306	1,469	1,616	1,890	1,951	2,103	2,227	2,230	2,268	2,166	2,050	2,049	2,210	2,337	2,364	2,555	2,697
Real estate, rental, & leasing	6,491	6,513	6,938	7,257	7,624	7,798	8,314	9,403	10,781	11,417	12,353	13,010	12,897	13,658	13,660	14,241	14,438	14,987	15,667
Prof., scientific & tech. services	1,634	1,505	1,540	1,644	1,837	2,050	2,195	2,329	2,502	2,671	2,819	3,065	2,950	2,922	3,063	3,082	3,069	3,115	3,187
Mgt of companies & enterprises	395	426	412	427	501	593	634	834	761	772	801	783	729	765	811	902	1,002	1,014	1,077
Administrative & waste services	1,003	993	1,054	1,160	1,268	1,393	1,565	1,668	1,710	1,862	2,004	2,071	2,020	2,149	2,297	2,428	2,531	2,691	2,856
Educational services	382	374	383	413	422	435	486	534	556	593	627	683	734	749	759	794	777	781	787
Health care & social assistance	2,331	2,261	2,327	2,461	2,649	2,787	2,974	3,159	3,382	3,512	3,699	4,017	4,210	4,275	4,432	4,558	4,743	4,898	5,216
Arts, entertainment, & recreation	462	447	458	482	452	472	502	539	580	603	646	668	644	627	616	676	747	781	813
Accommodation & food services	3,112	3,145	3,373	3,806	3,806	3,980	4,143	4,588	4,884	5,172	5,387	5,138	4,623	4,829	5,281	5,732	6,122	6,433	6,764
Accommodation	2,107	2,108	2,255	2,518	2,463	2,539	2,645	2,993	3,208	3,415	3,600	3,385	2,889	3,039	3,406	3,735	4,025	4,241	(NA)
Food serv. & drinking plcs	1,005	1,037	1,117	1,289	1,343	1,441	1,498	1,596	1,677	1,758	1,787	1,753	1,733	1,791	1,875	1,997	2,097	2,191	(NA)
Other services, exc. gov't	1,114	1,143	1,155	1,204	1,170	1,244	1,273	1,344	1,439	1,536	1,570	1,593	1,557	1,586	1,623	1,649	1,678	1,753	1,831
Government	7,966	8,183	8,632	8,792	9,096	9,863	10,662	11,508	12,246	12,990	13,482	14,235	14,700	15,334	16,009	16,363	16,316	16,853	17,226
Federal civilian	1,914	2,030	2,093	2,252	2,303	2,521	2,727	2,821	2,948	3,066	3,233	3,290	3,495	3,816	4,054	4,160	4,021	4,128	(NA)
Federal military	2,427	2,434	2,446	2,534	2,735	3,004	3,350	3,700	4,059	4,388	4,484	4,848	5,004	5,211	5,368	5,445	5,302	5,332	(NA)
State & local	3,625	3,719	4,094	4,005	4,058	4,339	4,585	4,987	5,239	5,536	5,766	6,096	6,201	6,308	6,587	6,758	6,993	7,393	(NA)

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By State 1963 to 2015 <<http://www.bea.gov/regional/index.htm>> accessed June 14, 2016.

**Table 13.06-- GROSS DOMESTIC PRODUCT, BY NAICS INDUSTRY IN CONSTANT DOLLARS: 1997 TO 2015**

[In millions of chained 2009 dollars. GDP estimates are on the 2007 North American Industry Classification System (NAICS) basis. 1997 to 2014 revised from previous *Data Book*]

Industry	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total, all industries	53,507	51,823	52,515	53,476	53,371	54,945	57,461	61,128	64,365	65,956	67,012	67,364	64,986	66,745	67,686	68,546	69,089	69,662	70,845
Private industries	40,934	39,295	39,799	40,958	40,890	42,037	44,236	47,474	50,504	51,844	52,944	52,939	50,286	51,848	52,420	53,153	53,968	54,374	55,561
Agri., forestry, fishing, & hunting	291	300	365	397	358	413	407	353	422	465	325	313	385	361	298	278	283	301	356
Mining	82	88	100	104	100	83	89	78	66	86	116	106	109	81	61	68	71	77	78
Utilities	1,338	1,227	1,427	1,539	1,257	1,215	1,242	1,359	1,311	1,436	1,468	1,646	1,418	1,698	1,935	1,698	1,698	1,594	1,497
Construction	3,386	3,112	2,993	3,229	3,183	3,350	3,745	4,037	4,607	4,593	4,800	4,593	4,057	3,821	3,740	3,744	3,814	3,762	4,148
Manufacturing	1,042	993	1,054	1,049	1,143	1,259	1,361	1,302	1,212	1,198	1,200	1,283	1,287	1,168	1,098	1,071	1,167	1,139	1,204
Wholesale trade	1,690	1,713	1,718	1,790	1,884	1,947	2,101	2,193	2,263	2,242	2,323	2,329	2,037	2,047	2,084	2,111	2,173	2,201	2,245
Retail trade	3,786	3,737	3,696	3,814	3,918	4,003	4,357	4,530	4,788	4,843	4,752	4,576	4,370	4,492	4,635	4,759	4,757	4,751	4,832
Trans. & warehousing	2,914	2,592	2,444	2,206	1,784	1,683	1,826	2,201	2,619	2,889	2,946	2,645	2,521	2,731	2,692	2,732	2,873	2,788	2,676
Information	1,115	1,073	1,099	1,105	1,153	1,194	1,186	1,411	1,505	1,653	1,774	1,770	1,687	1,998	1,690	1,689	1,824	1,796	1,858
Finance and insurance	1,279	1,296	1,397	1,543	1,698	1,949	1,947	2,042	2,121	2,096	2,108	2,024	2,050	1,981	2,095	2,128	2,085	2,190	2,257
Real estate, rental, & leasing	8,774	8,584	8,883	8,995	9,132	9,019	9,397	10,410	11,681	12,042	12,766	13,237	12,897	13,738	13,624	13,927	13,813	14,012	14,236
Prof, scientific & technical services	2,324	2,063	2,023	2,068	2,247	2,468	2,581	2,663	2,753	2,839	2,888	3,101	2,950	2,885	2,980	2,948	2,887	2,882	2,905
Mgt of companies & enterprises	779	780	710	673	806	936	975	1,106	958	902	838	808	729	759	801	885	976	1,007	1,053
Administrative & waste services	1,297	1,238	1,273	1,351	1,436	1,553	1,753	1,814	1,847	1,960	2,046	2,091	2,020	2,166	2,307	2,414	2,477	2,579	2,665
Educational services	633	589	575	597	593	577	625	657	658	669	677	712	734	729	718	727	691	678	657
Health care & social assistance	3,382	3,182	3,181	3,257	3,341	3,411	3,533	3,651	3,798	3,857	3,903	4,160	4,210	4,180	4,278	4,327	4,457	4,554	4,768
Arts, entertainment, & recreation	665	623	608	613	558	568	587	619	649	654	674	686	644	632	620	660	717	736	743
Accommodation & food services	4,593	4,446	4,570	5,011	4,778	4,875	5,049	5,485	5,553	5,661	5,629	5,217	4,623	4,851	5,272	5,519	5,742	5,837	5,886
Accommodation	3,004	2,878	2,942	3,188	2,961	3,019	3,142	3,491	3,526	3,607	3,615	3,319	2,889	3,066	3,387	3,596	3,783	3,832	(NA)
Food services & drinking places	1,574	1,556	1,618	1,816	1,820	1,859	1,909	1,991	2,025	2,051	2,008	1,895	1,733	1,785	1,884	1,923	1,959	2,004	(NA)
Other services, exc. government	1,819	1,801	1,747	1,736	1,596	1,624	1,616	1,654	1,702	1,745	1,714	1,673	1,557	1,546	1,546	1,529	1,514	1,542	1,556
Government	12,631	12,640	12,833	12,578	12,539	12,974	13,271	13,679	13,868	14,116	14,067	14,426	14,700	14,899	15,264	15,393	15,126	15,292	15,289
Federal civilian	2,947	3,059	3,042	3,132	3,130	3,233	3,324	3,278	3,283	3,313	3,368	3,352	3,495	3,677	3,816	3,906	3,693	3,703	(NA)
Federal military	3,911	3,849	3,740	3,747	3,913	4,043	4,137	4,394	4,511	4,646	4,554	4,798	5,004	5,077	5,148	5,139	5,025	4,976	(NA)
State & local	5,776	5,732	6,047	5,693	5,499	5,702	5,812	6,013	6,080	6,162	6,152	6,278	6,201	6,144	6,299	6,346	6,405	6,606	(NA)

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By State 1963 to 2015 <<http://www.bea.gov/regional/index.htm>> accessed June 14, 2016.

**Table 13.07-- TOTAL AND PER CAPITA PERSONAL INCOME  
FOR THE UNITED STATES AND HAWAII: 1969 TO 2015**

[Personal income and per capita personal income revised for 1976 to 2014 and population revised for 2010 to 2013 from previous *Data Book*. 2015 data are preliminary]

Year	Personal income (millions of dollars)		Resident population 1/		Per capita personal income 2/		
	U.S.	Hawaii	U.S.	Hawaii	Dollars		Hawaii as percent of U.S. average
					U.S.	Hawaii	
1969	791,150	3,647	201,298,000	743,000	3,930	4,908	124.9
1970	855,078	4,229	203,798,722	762,920	4,196	5,544	132.1
1971	923,964	4,589	206,817,509	791,580	4,468	5,798	129.8
1972	1,015,526	5,054	209,274,882	818,104	4,853	6,177	127.3
1973	1,131,213	5,594	211,349,205	841,851	5,352	6,645	124.2
1974	1,242,433	6,365	213,333,635	858,121	5,824	7,418	127.4
1975	1,359,998	6,936	215,456,585	875,052	6,312	7,926	125.6
1976	1,491,506	7,463	217,553,859	892,335	6,856	8,364	122.0
1977	1,646,968	8,075	219,760,875	915,749	7,494	8,818	117.7
1978	1,851,867	8,963	222,098,244	928,816	8,338	9,650	115.7
1979	2,068,806	10,051	224,568,579	950,050	9,212	10,579	114.8
1980	2,307,005	11,461	227,224,719	967,710	10,153	11,843	116.6
1981	2,584,340	12,391	229,465,744	978,195	11,262	12,667	112.5
1982	2,767,657	13,077	231,664,432	993,780	11,947	13,159	110.1
1983	2,957,901	14,420	233,792,014	1,012,717	12,652	14,239	112.5
1984	3,268,535	15,454	235,824,907	1,027,922	13,860	15,034	108.5
1985	3,501,927	16,453	237,923,734	1,039,698	14,719	15,825	107.5
1986	3,712,243	17,468	240,132,831	1,051,762	15,459	16,608	107.4
1987	3,940,859	18,623	242,288,936	1,067,917	16,265	17,439	107.2
1988	4,260,753	20,461	244,499,004	1,079,827	17,426	18,949	108.7
1989	4,603,969	22,865	246,819,222	1,094,588	18,653	20,890	112.0
1990	4,890,453	24,931	249,622,814	1,113,491	19,591	22,390	114.3
1991	5,055,766	26,366	252,980,941	1,136,754	19,985	23,194	116.1
1992	5,402,109	28,425	256,514,224	1,158,613	21,060	24,533	116.5
1993	5,639,780	29,472	259,918,588	1,172,838	21,698	25,129	115.8
1994	5,930,316	30,121	263,125,821	1,187,536	22,538	25,365	112.5
1995	6,275,761	30,777	266,278,393	1,196,854	23,568	25,715	109.1
1996	6,661,697	30,786	269,394,284	1,203,755	24,728	25,575	103.4
1997	7,075,132	31,792	272,646,925	1,211,640	25,950	26,239	101.1
1998	7,588,703	32,276	275,854,104	1,215,233	27,510	26,560	96.5
1999	7,988,183	33,253	279,040,168	1,210,300	28,627	27,475	96.0
2000	8,634,847	35,108	282,162,411	1,213,519	30,602	28,931	94.5

Continued on next page.

**Table 13.07-- TOTAL AND PER CAPITA PERSONAL INCOME  
FOR THE UNITED STATES AND HAWAII: 1969 TO 2015 -- Con.**

Year	Personal income (millions of dollars)		Resident population 1/		Per capita personal income 2/		
	U.S.	Hawaii	U.S.	Hawaii	Dollars		Hawaii as percent of U.S. average
					U.S.	Hawaii	
2001	8,987,890	36,347	284,968,955	1,225,948	31,540	29,648	94.0
2002	9,150,761	38,047	287,625,193	1,239,613	31,815	30,693	96.5
2003	9,484,225	39,849	290,107,933	1,251,154	32,692	31,850	97.4
2004	10,047,876	43,085	292,805,298	1,273,569	34,316	33,830	98.6
2005	10,610,320	46,111	295,516,599	1,292,729	35,904	35,669	99.3
2006	11,381,350	49,617	298,379,912	1,309,731	38,144	37,883	99.3
2007	11,995,419	52,659	301,231,207	1,315,675	39,821	40,024	100.5
2008	12,492,705	55,478	304,093,966	1,332,213	41,082	41,643	101.4
2009	12,079,444	55,340	306,771,529	1,346,717	39,376	41,093	104.4
2010	12,459,613	56,732	309,347,057	1,363,950	40,277	41,594	103.3
2011	13,233,436	59,179	311,721,632	1,378,251	42,453	42,938	101.1
2012	13,904,485	61,984	314,112,078	1,392,766	44,266	44,504	100.5
2013	14,064,468	62,437	316,497,531	1,408,987	44,438	44,314	99.7
2014	14,683,147	65,348	318,857,056	1,419,561	46,049	46,034	100.0
2015	15,324,109	68,373	321,467,160	1,431,806	47,669	47,753	100.2

1/ U.S. Census Bureau midyear population estimate. 2010-2014 use state population estimates available as of December 2014. Estimates for 2015 are derived from the quarterly state population estimates produced by BEA based on unpublished Census Bureau data.

2/ Per capita personal income is total personal income divided by July 1 population.

Source: U.S. Bureau of Economic Analysis, State Personal Income Summary SA1-3 (March 24, 2016) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed March 24, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.08-- TOTAL AND PER CAPITA DISPOSABLE PERSONAL INCOME  
FOR THE UNITED STATES AND HAWAII: 1969 TO 2015**

[Total and per capita disposable personal income 1976 to 2014 and population 2010 to 2013  
revised for 2010 to 2013 from previous *Data Book*. 2015 data are preliminary]

Year	Disposable personal income (thousands of dollars)		Resident population 1/		Per capita disposable personal income 2/		Hawaii as percent of U.S. average
	U.S.	Hawaii	U.S.	Hawaii	Dollars		
					U.S.	Hawaii	
1969	687,346	3,164	201,298,000	743,000	3,415	4,258	124.7
1970	752,652	3,692	203,798,722	762,920	3,693	4,839	131.0
1971	822,788	4,066	206,817,509	791,580	3,978	5,137	129.1
1972	892,439	4,425	209,274,882	818,104	4,264	5,408	126.8
1973	999,316	4,908	211,349,205	841,851	4,728	5,830	123.3
1974	1,091,918	5,604	213,333,635	858,121	5,118	6,530	127.6
1975	1,212,852	6,239	215,456,585	875,052	5,629	7,130	126.7
1976	1,319,290	6,659	217,553,859	892,335	6,064	7,462	123.1
1977	1,449,604	7,170	219,760,875	915,749	6,596	7,830	118.7
1978	1,622,771	7,906	222,098,244	928,816	7,307	8,511	116.5
1979	1,800,550	8,825	224,568,579	950,050	8,018	9,289	115.9
1980	2,008,241	10,069	227,224,719	967,710	8,838	10,405	117.7
1981	2,239,459	10,887	229,465,744	978,195	9,759	11,130	114.0
1982	2,413,886	11,697	231,664,432	993,780	10,420	11,770	113.0
1983	2,605,942	12,901	233,792,014	1,012,717	11,146	12,739	114.3
1984	2,891,562	13,848	235,824,907	1,027,922	12,261	13,472	109.9
1985	3,085,159	14,686	237,923,734	1,039,698	12,967	14,125	108.9
1986	3,275,508	15,563	240,132,831	1,051,762	13,640	14,797	108.5
1987	3,452,458	16,366	242,288,936	1,067,917	14,249	15,325	107.6
1988	3,755,973	17,960	244,499,004	1,079,827	15,362	16,632	108.3
1989	4,037,481	19,869	246,819,222	1,094,588	16,358	18,152	111.0
1990	4,297,144	21,676	249,622,814	1,113,491	17,215	19,467	113.1
1991	4,468,300	22,804	252,980,941	1,136,754	17,663	20,061	113.6
1992	4,790,365	25,096	256,514,224	1,158,613	18,675	21,661	116.0
1993	4,991,984	26,063	259,918,588	1,172,838	19,206	22,222	115.7
1994	5,238,115	26,660	263,125,821	1,187,536	19,907	22,450	112.8
1995	5,528,191	27,394	266,278,393	1,196,854	20,761	22,889	110.2
1996	5,825,497	27,233	269,394,284	1,203,755	21,624	22,624	104.6
1997	6,144,250	28,113	272,646,925	1,211,640	22,536	23,202	103.0
1998	6,557,273	28,412	275,854,104	1,215,233	23,771	23,380	98.4
1999	6,877,094	29,217	279,040,168	1,210,300	24,646	24,140	97.9
2000	7,399,368	30,762	282,162,411	1,213,519	26,224	25,349	96.7

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**Table 13.08-- TOTAL AND PER CAPITA DISPOSABLE PERSONAL INCOME  
FOR THE UNITED STATES AND HAWAII: 1969 TO 2015-- Con.**

Year	Disposable personal income (thousands of dollars)		Resident population 1/		Per capita disposable personal income 2/		
	U.S.	Hawaii	U.S.	Hawaii	Dollars		Hawaii as percent of U.S. average
					U.S.	Hawaii	
2001	7,749,676	31,876	284,968,955	1,225,948	27,195	26,001	95.6
2002	8,097,069	33,984	287,625,193	1,239,613	28,151	27,415	97.4
2003	8,479,891	35,834	290,107,933	1,251,154	29,230	28,641	98.0
2004	8,998,339	38,754	292,805,298	1,273,569	30,731	30,430	99.0
2005	9,398,310	40,981	295,516,599	1,292,729	31,803	31,701	99.7
2006	10,025,593	44,033	298,379,912	1,309,731	33,600	33,620	100.1
2007	10,503,618	46,739	301,231,207	1,315,675	34,869	35,525	101.9
2008	10,986,281	49,545	304,093,966	1,332,213	36,128	37,190	102.9
2009	10,928,315	50,559	306,771,529	1,346,717	35,624	37,542	105.4
2010	11,221,631	51,952	309,347,057	1,363,950	36,275	38,090	105.0
2011	11,781,805	53,736	311,721,632	1,378,251	37,796	38,989	103.2
2012	12,394,567	56,292	314,112,078	1,392,766	39,459	40,417	102.4
2013	12,393,317	56,078	316,497,531	1,408,987	39,158	39,800	101.6
2014	12,904,591	58,640	318,857,056	1,419,561	40,471	41,309	102.1
2015	13,380,819	61,060	321,467,160	1,431,806	41,624	42,645	102.5

1/ U.S. Census Bureau midyear population estimate. 2010-2014 use state population estimates available as of December 2014. Estimates for 2015 are derived from the quarterly state population estimates produced by BEA based on unpublished Census Bureau data.

2/ Per capita personal income is total personal income divided by July 1 population.

Source: U.S. Bureau of Economic Analysis, State Disposable Personal Income Summary SA51 (March 24, 2016) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed March 24, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.09-- PERSONAL INCOME BY MAJOR SOURCE, BY SIC INDUSTRY:  
1997 TO 2001**

[In thousands of dollars. Industries are grouped according to the 1987 Standard Industrial Classification (SIC) Code]

Item	1997	1998	1999	2000	2001
Personal income 1/	31,791,726	32,276,378	33,252,800	35,107,972	36,346,822
Earnings by place of work	23,777,542	23,986,091	24,726,119	26,130,858	27,242,187
Wages & salaries	17,215,868	17,621,036	18,185,436	19,173,030	19,831,092
Suppl. to wages and salaries 2/	4,061,078	4,120,310	4,238,715	4,500,782	4,803,998
Proprietors' income 3/	2,500,596	2,244,745	2,301,968	2,457,046	2,607,097
Farm proprietors' income	36,106	38,283	43,843	40,387	39,138
Nonfarm proprietors' income	2,464,490	2,206,462	2,258,125	2,416,659	2,567,959
Dividends, interest, and rent 1/ 4/	6,950,510	7,195,366	7,344,607	7,736,148	7,702,312
Personal current transf. receipts 1/ 5/	3,693,737	3,766,251	3,922,182	4,130,169	4,450,134
Less: Contrib. for gov't social ins. 6/	2,630,063	2,671,330	2,740,108	2,889,203	3,047,811
Earnings by industry	23,777,542	23,986,091	24,726,119	26,130,858	27,242,187
Farm earnings	204,858	218,855	246,231	241,591	236,703
Nonfarm earnings	23,572,684	23,767,236	24,479,888	25,889,267	27,005,484
Private nonfarm earnings	16,908,425	16,942,109	17,312,104	18,500,525	19,261,531
Agri. serv, forestry, & fishing	142,547	129,089	133,623	138,578	145,687
Mining	23,275	23,611	23,038	24,195	24,466
Construction	1,462,056	1,384,669	1,388,697	1,581,183	1,653,518
Manufacturing	769,000	740,440	751,839	782,812	828,790
Durable goods	174,055	172,015	176,278	205,538	237,742
Nondurable goods	594,945	568,425	575,561	577,274	591,048
Transp. & public util.	1,888,331	1,878,427	1,953,799	2,053,297	2,136,697
Wholesale trade	913,958	933,281	924,526	982,167	1,009,149
Retail trade	2,911,724	2,864,442	2,981,124	2,989,478	3,019,881
Finance, insur., & real estate	1,937,861	1,952,314	1,984,404	2,146,248	2,139,435
Services	6,859,673	7,035,836	7,171,054	7,802,567	8,303,908
Hotels & other lodging places	1,334,826	1,347,338	1,393,240	1,517,763	(NA)
Business services	843,124	887,213	971,768	1,148,530	(NA)
Health services	1,858,172	1,912,256	1,917,023	2,019,397	(NA)
Other	2,823,551	2,889,029	2,889,023	3,116,877	(NA)
Gov't & gov't enterprises	6,664,259	6,825,127	7,167,784	7,388,742	7,743,953
Federal	3,568,735	3,657,010	3,713,173	3,933,646	4,149,281
Federal, civilian	1,573,065	1,666,832	1,710,658	1,852,452	1,882,754
Military	1,995,670	1,990,178	2,002,515	2,081,194	2,266,527
State & local gov't	3,095,524	3,168,117	3,454,611	3,455,096	3,594,672
State	2,323,403	2,384,735	2,619,973	2,625,779	2,728,706
Local	772,121	783,382	834,638	829,317	865,966

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**Table 13.09-- PERSONAL INCOME BY MAJOR SOURCE, BY SIC INDUSTRY:  
1997 TO 2001 -- Con.**

NA Not available.

1/ State Personal Income and Personal Current Transfer Receipts for 1997 to 2001, and Dividends, interest and rent for 1998 to 2001 were revised from previous *Data Book*.

2/ This component of personal income consists of employer contributions for employee pension and insurance funds and of employer contributions for government social insurance.

3/ Proprietors' income includes the inventory valuation adjustment and the capital consumption adjustment.

4/ Rental income of persons includes the capital consumption adjustment.

5/ This component of personal income is payments to persons for which no current services are performed. It consists of payments to individuals and to nonprofit institutions by Federal, state, and local governments and by businesses.

6/ These contributions are included in earnings by type and industry, but are subtracted in the calculation of personal income. They consist of personal contributions for government social insurance and employer contributions for government social insurance.

Source: U.S. Bureau of Economic Analysis, State Personal Income (September 30, 2015) <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed July 7, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.10-- PERSONAL INCOME BY MAJOR SOURCE, BY NAICS  
INDUSTRY: 2010 TO 2014**

[In millions of dollars. For 2007-2010 industries are grouped according to the 2007 North American Industry Classification System (NAICS) Code, and according to the 2012 NAICS for 2011 forward. Estimates for 1998 to 2014 were revised by BEA on September 30, 2015]

Item	2010	2011	2012	2013	2014
Personal income	56,732,435	59,179,393	61,983,952	62,437,294	65,347,949
Earnings by place of work	40,371,088	42,163,800	44,201,614	45,085,927	46,743,776
Less: Contrib. for gov't social ins. 1/	4,716,524	4,496,928	4,645,613	5,408,826	5,424,361
Employee and self-employed	2,337,248	1,913,901	1,965,315	2,580,523	2,713,677
Employer	2,379,276	2,583,027	2,680,298	2,828,303	2,710,684
Net earnings by place of residence	35,654,564	37,666,872	39,556,001	39,677,101	41,319,415
Dividends, interest, and rent 2/	11,819,019	11,873,522	12,916,294	12,921,120	13,561,604
Personal current transfer receipts	9,258,852	9,638,999	9,511,657	9,839,073	10,466,930
Wages and salaries	28,625,913	29,489,238	30,684,867	31,515,009	32,856,301
Supp. to wages & sal.- emp'er contrib.	8,167,366	8,935,017	9,115,941	9,388,349	9,493,856
For employee pension & ins. funds 3/	5,788,090	6,351,990	6,435,643	6,560,046	6,783,172
For government social insurance	2,379,276	2,583,027	2,680,298	2,828,303	2,710,684
Proprietors' income 4/	3,577,809	3,739,545	4,400,806	4,182,569	4,393,619
Farm proprietors' income	-23,220	-18,671	-37,463	-15,959	-8,212
Nonfarm proprietors' income	3,601,029	3,758,216	4,438,269	4,198,528	4,401,831
Farm earnings	174,665	170,361	244,167	269,293	298,496
Nonfarm earnings	40,196,423	41,993,439	43,957,447	44,816,634	46,445,280
Private earnings	26,759,164	27,986,286	29,712,091	30,682,222	31,817,897
Forestry, fishing, rel. activ., & other	53,704	56,576	64,272	66,052	70,938
Mining	35,404	39,360	38,158	35,259	36,787
Utilities	416,273	474,435	484,447	542,173	569,645
Construction	2,887,280	2,919,643	3,055,952	3,181,773	3,372,643
Manufacturing	722,431	776,206	798,499	819,318	858,502
Wholesale trade	1,094,961	1,147,153	1,195,059	1,240,131	1,274,173
Retail trade	2,518,170	2,609,386	2,666,933	2,751,938	2,809,723
Transportation and warehousing	1,359,037	1,485,099	1,588,791	1,704,399	1,771,344
Information	737,206	672,106	673,983	696,495	714,333
Finance and insurance	1,319,971	1,313,482	1,360,999	1,349,267	1,359,674
Real estate and rental and leasing	1,158,232	1,223,357	1,755,062	1,618,995	1,641,725
Prof., scientific, & tech. services	2,391,198	2,508,781	2,582,110	2,590,126	2,648,459
Mgt of companies & enterprises	608,198	673,644	732,341	809,442	821,437
Admin. & waste mgt. services	1,673,880	1,832,739	1,941,018	2,045,514	2,178,156
Educational services	675,797	703,226	745,084	737,444	753,642
Health care and social assistance	3,950,926	4,079,025	4,164,934	4,340,829	4,489,125
Arts, entertainment, and recreation	402,868	401,833	440,049	486,806	509,105
Accommodation & food services	3,164,286	3,432,057	3,731,397	3,950,300	4,137,474
Other services, except public admin.	1,589,342	1,638,178	1,693,003	1,715,961	1,801,012

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**Table 13.10-- PERSONAL INCOME BY MAJOR SOURCE, BY NAICS  
INDUSTRY: 2010 TO 2014 -- Con.**

Item	2010	2011	2012	2013	2014
Gov't and gov't enterprises	13,437,259	14,007,153	14,245,356	14,134,412	14,627,383
Federal	7,953,721	8,322,729	8,478,286	8,188,427	8,325,791
Civilian	3,244,750	3,437,499	3,515,004	3,359,119	3,455,799
Military	4,708,971	4,885,230	4,963,282	4,829,308	4,869,992
State and local	5,483,538	5,684,424	5,767,070	5,945,985	6,301,592
State	4,082,365	4,236,207	4,332,292	4,494,719	4,752,314
Local	1,401,173	1,448,217	1,434,778	1,451,266	1,549,278

NA Not available.

1/ These contributions are included in earnings by type and industry, but are subtracted in the calculation of personal income. They consist of personal contributions for government social insurance and employer contributions for government social insurance.

2/ Rental income of persons includes the capital consumption adjustment.

3/ Includes actual employer contributions and actuarially imputed employer contributions to reflect benefits accrued by defined benefit pension plan participants through service to employers in the current period.

4/ Proprietors' income includes the inventory valuation adjustment and the capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, Annual State Personal Income, "SA5N Personal Income by Major Component and Earnings by NAICS Industry" (September 30, 2015)

<<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed September 30, 2015.

**Table 13.11-- PERSONAL INCOME TOTAL AND PER CAPITA  
IN CONSTANT DOLLARS, BY STATE: 2008 TO 2014**

[2008 to 2013 revised from previous *Data Book*]

State	2008	2009	2010	2011	2012	2013	2014
Real personal income (thousands of chained (2009) dollars) 1/							
Alabama	182,947	180,129	182,773	185,498	186,007	185,465	190,171
Alaska	30,471	30,287	31,867	33,435	34,215	33,500	34,542
Arizona	225,675	216,418	219,136	226,900	234,264	234,753	242,833
Arkansas	107,463	106,042	105,113	109,559	115,084	114,713	117,558
California	1,420,494	1,365,704	1,373,613	1,434,978	1,514,814	1,527,644	1,583,118
Colorado	212,895	204,699	206,446	215,412	224,757	225,442	235,538
Connecticut	185,517	179,632	184,889	189,760	194,828	191,439	196,749
Delaware	36,750	36,069	36,031	37,357	38,244	38,224	39,071
Dist. of Col.	33,296	32,051	32,155	34,135	35,114	35,231	35,765
Florida	736,915	700,987	726,193	750,867	760,227	761,000	786,786
Georgia	365,493	356,494	357,784	375,677	378,274	380,077	392,474
<b>Hawaii</b>	<b>47,060</b>	<b>47,404</b>	<b>47,698</b>	<b>48,697</b>	<b>49,659</b>	<b>49,407</b>	<b>51,354</b>
Idaho	53,064	51,627	53,052	54,771	56,182	57,701	58,997
Illinois	556,329	528,056	528,687	541,925	555,944	553,566	559,163
Indiana	247,404	238,090	240,743	248,480	256,425	256,028	262,222
Iowa	134,215	130,205	130,316	137,769	139,873	139,133	141,927
Kansas	128,957	123,263	122,943	129,136	131,364	131,208	131,904
Kentucky	159,361	157,416	159,561	164,136	166,747	165,170	170,729
Louisiana	185,589	179,194	182,843	186,232	192,658	192,829	196,248
Maine	49,934	49,733	50,127	50,646	50,442	49,894	51,230
Maryland	254,566	251,573	255,343	262,514	267,947	263,303	269,226
Massachusetts	309,608	304,499	309,409	320,710	334,487	330,207	339,496
Michigan	374,282	356,435	361,825	375,005	381,624	382,519	393,741
Minnesota	233,616	222,556	229,329	239,319	246,001	245,194	251,362
Mississippi	105,020	104,334	104,003	105,523	107,846	107,630	109,092
Missouri	253,081	246,923	245,289	246,914	253,951	252,926	259,037
Montana	35,847	35,122	36,106	37,810	39,649	39,016	39,803
Nebraska	81,569	79,533	79,967	86,055	88,049	88,795	90,608
Nevada	106,200	98,751	98,494	98,915	103,835	103,727	108,602
New Hampshire	55,205	54,510	55,222	57,798	59,679	58,959	61,050
New Jersey	404,049	389,803	389,410	397,606	403,689	400,949	412,540
New Mexico	71,214	69,840	71,018	72,522	73,647	72,091	74,698
New York	820,259	799,973	817,632	841,013	859,276	851,321	871,141
North Carolina	364,098	359,594	366,985	371,789	387,822	377,386	389,649
North Dakota	30,484	29,526	32,005	35,161	40,319	39,996	41,388
Ohio	469,994	460,095	460,915	480,451	491,862	490,995	503,038
Oklahoma	156,099	144,022	148,618	158,781	166,441	167,240	172,374
Oregon	141,253	136,638	137,395	141,647	145,712	145,945	151,720
Pennsylvania	536,247	527,685	532,969	548,381	560,497	555,030	569,724
Rhode Island	44,190	43,398	44,740	45,113	46,346	45,969	47,425
South Carolina	166,575	163,557	165,993	169,504	173,974	174,068	179,763
South Dakota	36,960	36,467	37,198	40,205	39,687	40,124	40,300
Tennessee	244,211	240,920	247,231	254,503	262,636	262,264	269,504
Texas	1,007,250	955,025	989,549	1,057,813	1,113,813	1,121,730	1,168,858
Utah	95,096	90,581	92,037	95,868	99,840	101,508	104,881
Vermont	24,983	24,451	24,836	25,770	25,945	26,049	26,378
Virginia	348,285	341,473	348,424	361,166	370,219	366,411	374,847
Washington	283,172	272,352	276,240	285,831	297,745	297,835	309,793
West Virginia	66,539	66,536	66,362	68,955	69,942	68,520	69,014
Wisconsin	237,008	234,557	234,510	240,466	245,247	244,961	250,000
Wyoming	27,850	25,215	26,013	27,753	29,648	29,419	30,411

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**Table 13.11-- PERSONAL INCOME TOTAL AND PER CAPITA  
IN CONSTANT DOLLARS, BY STATE: 2008 TO 2014-- Con.**

State	2008	2009	2010	2011	2012	2013	2014
Real per capita personal income (chained (2009) dollars) 2/							
Alabama	38,775	37,859	38,191	38,632	38,611	38,367	39,216
Alaska	44,325	43,336	44,640	46,272	46,801	45,438	46,886
Arizona	35,933	34,118	34,176	35,054	35,731	35,381	36,074
Arkansas	37,384	36,606	35,969	37,285	39,021	38,771	39,630
California	38,807	36,950	36,791	38,061	39,798	39,750	40,799
Colorado	43,539	41,169	40,892	42,075	43,292	42,761	43,978
Connecticut	52,323	50,433	51,655	52,850	54,204	53,187	54,703
Delaware	41,578	40,448	40,046	41,150	41,711	41,312	41,760
Dist. of Col.	57,384	54,120	53,131	55,019	55,294	54,275	54,280
Florida	39,775	37,581	38,520	39,296	39,278	38,826	39,550
Georgia	38,453	37,054	36,830	38,283	38,136	38,028	38,869
<b>Hawaii</b>	<b>35,325</b>	<b>35,200</b>	<b>34,970</b>	<b>35,333</b>	<b>35,655</b>	<b>35,065</b>	<b>36,176</b>
Idaho	34,585	33,212	33,777	34,582	35,211	35,776	36,096
Illinois	43,644	41,265	41,175	42,145	43,184	42,944	43,411
Indiana	38,508	36,860	37,093	38,131	39,223	38,965	39,750
Iowa	44,490	42,931	42,723	44,950	45,473	44,993	45,678
Kansas	45,923	43,514	43,003	44,996	45,518	45,310	45,421
Kentucky	37,148	36,464	36,682	37,559	38,040	37,542	38,684
Louisiana	41,841	39,895	40,224	40,698	41,839	41,654	42,207
Maine	37,530	37,404	37,765	38,139	37,967	37,551	38,516
Maryland	44,779	43,902	44,115	44,922	45,478	44,336	45,048
Massachusetts	47,860	46,719	47,137	48,502	50,255	49,219	50,330
Michigan	37,628	35,998	36,635	37,972	38,607	38,645	39,732
Minnesota	44,524	42,141	43,185	44,749	45,720	45,222	46,061
Mississippi	35,626	35,262	35,008	35,429	36,115	35,970	36,436
Missouri	42,722	41,423	40,908	41,080	42,148	41,841	42,720
Montana	36,712	35,694	36,449	37,899	39,445	38,445	38,886
Nebraska	45,407	43,876	43,701	46,713	47,453	47,510	48,157
Nevada	40,021	36,783	36,432	36,385	37,686	37,158	38,252
New Hampshire	41,952	41,418	41,945	43,849	45,167	44,578	46,013
New Jersey	46,383	44,520	44,233	44,965	45,481	44,992	46,155
New Mexico	35,418	34,289	34,392	34,893	35,329	34,545	35,817
New York	42,694	41,434	42,144	43,081	43,825	43,224	44,117
North Carolina	39,111	38,054	38,390	38,521	39,784	38,318	39,184
North Dakota	46,359	44,402	47,461	51,311	57,459	55,254	55,969
Ohio	40,814	39,908	39,940	41,616	42,582	42,430	43,387
Oklahoma	42,546	38,741	39,532	41,933	43,605	43,404	44,449
Oregon	37,480	35,876	35,807	36,624	37,375	37,154	38,214
Pennsylvania	42,518	41,659	41,929	43,031	43,892	43,425	44,554
Rhode Island	41,886	41,189	42,485	42,883	44,028	43,641	44,946
South Carolina	36,780	35,634	35,803	36,273	36,838	36,477	37,199
South Dakota	46,251	45,185	45,575	48,783	47,558	47,456	47,235
Tennessee	39,090	38,205	38,893	39,776	40,686	40,365	41,150
Texas	41,435	38,506	39,197	41,228	42,684	42,320	43,360
Utah	35,710	33,260	33,174	34,052	34,968	34,969	35,639
Vermont	40,027	39,133	39,687	41,136	41,437	41,555	42,099
Virginia	44,461	43,083	43,415	44,532	45,185	44,304	45,020
Washington	43,152	40,848	40,973	41,898	43,174	42,708	43,871
West Virginia	36,157	36,009	35,791	37,173	37,678	36,966	37,298
Wisconsin	42,015	41,373	41,220	42,122	42,839	42,654	43,421
Wyoming	51,003	45,040	46,093	48,893	51,393	50,442	52,059

Continued on next page.

**Table 13.11-- PERSONAL INCOME TOTAL AND PER CAPITA  
IN CONSTANT DOLLARS, BY STATE: 2008 TO 2014-- Con.**

1/ Real personal income for states is personal income divided by the Regional Price Parity (RPP) and the national Personal Consumption Expenditure (PCE) price index. The result is a chained dollar (using 2009 as base year) estimate of real personal income.

2/ Real per capita personal income is total real personal income divided by total midyear population.

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (July 7, 2016)

<<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed July 7, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism. See also

"Real Personal Income for States and Metropolitan Areas, 2014"

<<http://www.bea.gov/newsreleases/regional/rpp/2016/pdf/rpp0716.pdf>>.

**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND  
POPULATION BY COUNTY: 1969 TO 2014**

<b>Year</b>	<b>State total</b>	<b>City &amp; County of Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui and Kalawao</b>
Total (\$1,000)					
1969	3,646,550	3,135,431	227,806	111,917	171,396
1970	4,229,452	3,638,544	269,994	121,243	199,671
1971	4,589,275	3,930,462	303,650	134,832	220,331
1972	5,053,789	4,332,294	335,243	143,778	242,474
1973	5,594,397	4,792,871	371,978	160,941	268,607
1974	6,365,247	5,278,618	509,574	219,322	357,733
1975	6,935,988	5,834,941	508,541	211,674	380,832
1976 1/	7,463,349	6,279,933	532,631	227,717	423,068
1977 1/	8,075,045	6,764,711	585,602	249,885	474,847
1978 1/	8,963,468	7,504,034	653,264	275,384	530,786
1979 1/	10,050,552	8,379,001	744,057	314,123	613,371
1980 1/	11,460,741	9,404,699	932,942	390,948	732,152
1981 1/	12,391,045	10,281,065	942,191	401,135	766,654
1982 1/	13,076,982	10,824,165	988,432	433,159	831,226
1983 1/	14,419,849	11,836,096	1,117,214	488,344	978,195
1984 1/	15,454,096	12,743,137	1,167,533	505,790	1,037,636
1985 1/	16,453,428	13,551,931	1,227,686	545,959	1,127,852
1986 1/	17,468,188	14,307,395	1,338,353	592,369	1,230,071
1987 1/	18,623,163	15,231,897	1,426,822	633,047	1,331,397
1988 1/	20,461,349	16,640,304	1,567,464	753,405	1,500,176
1989 1/	22,865,408	18,424,698	1,814,191	877,961	1,748,558
1990 1/	24,931,086	20,002,934	2,018,456	957,874	1,951,822
1991 1/	26,366,349	21,057,382	2,191,880	1,042,232	2,074,855
1992 1/	28,424,752	22,662,997	2,330,440	1,129,298	2,302,017
1993 1/	29,472,164	23,387,806	2,458,554	1,182,363	2,443,441
1994 1/	30,121,287	23,828,975	2,548,794	1,207,517	2,536,001
1995 1/	30,776,621	24,281,165	2,622,851	1,260,168	2,612,437
1996 1/	30,785,523	24,204,197	2,682,866	1,255,669	2,642,791
1997 1/	31,791,726	25,019,377	2,760,090	1,278,069	2,734,190
1998 1/	32,276,378	25,225,736	2,906,491	1,298,729	2,845,422
1999 1/	33,252,800	25,816,006	3,038,689	1,347,171	3,050,934
2000 1/	35,107,972	27,146,382	3,265,140	1,441,430	3,255,020
2001 1/	36,346,822	27,961,960	3,482,038	1,483,646	3,419,178
2002 1/	38,046,865	29,153,052	3,712,168	1,564,588	3,617,057
2003 1/	39,848,922	30,513,893	3,902,053	1,638,599	3,794,377
2004 1/	43,084,829	32,841,336	4,277,587	1,799,177	4,166,729
2005 1/	46,110,790	34,968,191	4,699,065	1,932,649	4,510,885
2006 1/	49,616,959	37,484,293	5,099,384	2,085,448	4,947,834
2007 1/	52,658,521	39,637,385	5,493,405	2,254,806	5,272,925
2008 1/	55,477,851	41,729,138	5,850,057	2,369,046	5,529,610
2009 1/	55,340,365	42,131,389	5,638,330	2,314,033	5,256,613
2010 1/	56,732,435	43,178,434	5,756,548	2,369,005	5,428,448
2011 1/	59,179,393	45,060,846	5,966,240	2,475,088	5,677,219
2012 1/	61,983,952	47,044,902	6,276,535	2,600,635	6,061,880
2013 1/	62,437,294	47,255,799	6,424,990	2,670,325	6,086,180
2014	65,347,949	49,313,300	6,771,329	2,830,508	6,432,812

Continued on next page.

**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND  
POPULATION BY COUNTY: 1969 TO 2014-- Con.**

Year	State total	City & County of Honolulu	Hawaii	Kauai	Maui and Kalawao
Population 2/					
1969	743,000	603,438	63,104	30,044	46,414
1970	762,920	623,756	63,549	29,620	45,995
1971	791,580	633,043	73,508	33,245	51,784
1972	818,104	664,830	69,922	31,864	51,488
1973	841,851	683,772	72,856	32,530	52,693
1974	858,121	698,033	73,891	32,536	53,661
1975	875,052	707,866	77,212	33,305	56,669
1976	892,335	716,911	80,481	34,770	60,173
1977	915,749	734,962	82,610	35,414	62,763
1978	928,816	740,505	85,661	36,700	65,950
1979	950,050	753,428	89,069	38,016	69,537
1980	967,710	763,820	92,897	39,369	71,624
1981	978,195	767,573	96,122	40,457	74,043
1982	993,780	776,075	98,798	41,804	77,103
1983	1,012,717	789,097	100,764	42,796	80,060
1984	1,027,922	797,791	103,528	43,634	82,969
1985	1,039,698	804,294	105,900	44,357	85,147
1986	1,051,762	810,444	108,362	45,567	87,389
1987	1,067,917	818,447	111,735	47,203	90,532
1988	1,079,827	824,072	113,439	48,549	93,767
1989	1,094,588	831,337	116,585	49,847	96,819
1990	1,113,491	838,534	121,572	51,676	101,709
1991	1,136,754	850,510	127,266	53,379	105,599
1992	1,158,613	863,959	131,630	54,439	108,585
1993	1,172,838	870,348	135,085	55,461	111,944
1994	1,187,536	878,591	137,713	56,478	114,754
1995	1,196,854	881,399	140,492	57,068	117,895
1996	1,203,755	883,443	141,935	57,688	120,689
1997	1,211,640	886,711	144,445	57,712	122,772
1998	1,215,233	886,909	145,833	57,843	124,648
1999	1,210,300	878,906	146,970	58,264	126,160
2000	1,213,519	876,629	149,244	58,568	129,078
2001	1,225,948	882,755	151,690	59,075	132,428
2002	1,239,613	890,473	154,576	59,981	134,583
2003	1,251,154	894,311	158,442	60,805	137,596
2004	1,273,569	907,997	162,852	62,095	140,625
2005	1,292,729	918,181	168,237	62,863	143,448
2006	1,309,731	926,954	173,536	63,465	145,776
2007	1,315,675	925,335	177,733	64,490	148,117
2008	1,332,213	933,680	181,506	65,603	151,424
2009	1,346,717	943,177	183,629	66,518	153,393
2010 1/	1,363,950	956,336	185,325	67,217	155,072
2011 1/	1,378,251	966,559	187,039	67,799	156,854
2012 1/	1,392,766	976,746	188,946	68,553	158,521
2013 1/	1,408,987	987,019	191,409	69,679	160,880
2014	1,419,561	991,788	194,190	70,475	163,108

Continued on next page.

**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND  
POPULATION BY COUNTY: 1969 TO 2014-- Con.**

<b>Year</b>	<b>State total</b>	<b>City &amp; County of Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui and Kalawao</b>
Per capita (dollars) 3/					
1969	4,908	5,196	3,610	3,725	3,693
1970	5,544	5,833	4,249	4,093	4,341
1971	5,798	6,209	4,131	4,056	4,255
1972	6,177	6,516	4,795	4,512	4,709
1973	6,645	7,009	5,106	4,947	5,098
1974	7,418	7,562	6,896	6,741	6,667
1975	7,926	8,243	6,586	6,356	6,720
1976 1/	8,364	8,760	6,618	6,549	7,031
1977 1/	8,818	9,204	7,089	7,056	7,566
1978 1/	9,650	10,134	7,626	7,504	8,048
1979 1/	10,579	11,121	8,354	8,263	8,821
1980 1/	11,843	12,313	10,043	9,930	10,222
1981 1/	12,667	13,394	9,802	9,915	10,354
1982 1/	13,159	13,947	10,005	10,362	10,781
1983 1/	14,239	15,000	11,087	11,411	12,218
1984 1/	15,034	15,973	11,277	11,592	12,506
1985 1/	15,825	16,849	11,593	12,308	13,246
1986 1/	16,608	17,654	12,351	13,000	14,076
1987 1/	17,439	18,611	12,770	13,411	14,706
1988 1/	18,949	20,193	13,818	15,518	15,999
1989 1/	20,890	22,163	15,561	17,613	18,060
1990 1/	22,390	23,855	16,603	18,536	19,190
1991 1/	23,194	24,759	17,223	19,525	19,648
1992 1/	24,533	26,232	17,704	20,744	21,200
1993 1/	25,129	26,872	18,200	21,319	21,827
1994 1/	25,365	27,122	18,508	21,380	22,099
1995 1/	25,715	27,548	18,669	22,082	22,159
1996 1/	25,575	27,398	18,902	21,767	21,898
1997 1/	26,239	28,216	19,108	22,146	22,270
1998 1/	26,560	28,442	19,930	22,453	22,828
1999 1/	27,475	29,373	20,676	23,122	24,183
2000 1/	28,931	30,967	21,878	24,611	25,217
2001 1/	29,648	31,676	22,955	25,115	25,819
2002 1/	30,693	32,739	24,015	26,085	26,876
2003 1/	31,850	34,120	24,628	26,948	27,576
2004 1/	33,830	36,169	26,267	28,975	29,630
2005 1/	35,669	38,084	27,931	30,744	31,446
2006 1/	37,883	40,438	29,385	32,860	33,941
2007 1/	40,024	42,836	30,908	34,964	35,600
2008 1/	41,643	44,693	32,231	36,112	36,517
2009 1/	41,093	44,670	30,705	34,788	34,269
2010 1/	41,594	45,150	31,062	35,244	35,006
2011 1/	42,938	46,620	31,898	36,506	36,194
2012 1/	44,504	48,165	33,219	37,936	38,240
2013 1/	44,314	47,877	33,567	38,323	37,831
2014	46,034	49,722	34,870	40,163	39,439

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**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND  
POPULATION BY COUNTY: 1969 TO 2014-- Con.**

1/ Revised from previous *Data Book*.

2/ Census Bureau midyear population estimates. Estimates for 2010-2014 reflect county population estimates available as of March 2015.

3/ Per capita personal income was computed using Census Bureau midyear population estimates.

Source: U.S. Bureau of Economic Analysis, Interactive Data Local Area Personal Income and Employment, "CA1 Personal Income Summary: Personal Income, Population, Per Capita Personal Income" <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1&isuri=1&acrdrn=5>> accessed November 19, 2015. See also "Local Area Personal Income: 2014" <[http://www.bea.gov/newsreleases/regional/lapi/lapi\\_newsrelease.htm](http://www.bea.gov/newsreleases/regional/lapi/lapi_newsrelease.htm)> (November 19, 2015)

**Table 13.13-- PERFORMANCE RANKINGS FOR METROPOLITAN STATISTICAL AREAS, URBAN HONOLULU AND SAN JOSE-SUNNYVALE-SANTA CLARA, CALIFORNIA: 2014 AND 2015**

[Top performer in 2015, San Jose-Sunnyvale-Santa Clara, California = 1]

Category and location 1/	2014		2015	
	Period	Rank	Period	Rank
Urban Honolulu				
Overall	2014	99	2015	119
Job growth (5-year)	2008 to 2013	66	2009 to 2014	96
Job growth (1-year)	2012 to 2013	93	2013 to 2014	148
Wage growth (5-year)	2007 to 2012	59	2008 to 2013	64
Wage growth (1-year)	2011 to 2012	97	2012 to 2013	107
Short-term job growth	August: 2013 to 2014	115	August: 2014 to 2015	54
High tech GDP growth (5-year)	2008 to 2013	118	2009 to 2014	135
High tech GDP growth (1-year)	2012 to 2013	131	2013 to 2014	156
High-tech GDP concentration 2/	2013	168	2014	168
Number of high-tech GDP industries with location quotients over 1 2/	2013	187	2014	175
San Jose-Sunnyvale-Santa Clara, CA				
Overall	2014	4	2015	1
Job growth (5-year)	2008 to 2013	19	2009 to 2014	7
Job growth (1-year)	2012 to 2013	4	2013 to 2014	7
Wage growth (5-year)	2007 to 2012	18	2008 to 2013	2
Wage growth (1-year)	2011 to 2012	34	2012 to 2013	4
Short-term job growth	August: 2013 to 2014	26	August: 2014 to 2015	2
High tech GDP growth (5-year)	2008 to 2013	16	2009 to 2014	4
High tech GDP growth (1-year)	2012 to 2013	51	2013 to 2014	14
High-tech GDP concentration 2/	2013	1	2014	1
Number of high-tech GDP industries with location quotients over 1 2/	2013	3	2014	1

1/ San Francisco-Redwood City-South San Francisco, California was shown in this table in *2014 Data Book* as ranking #1, achieved an overall rank of 2 in 2015.

2/ Measures the number of highly concentrated high-tech industries or those with a location quotient (LQ) compared to the U.S. average of 1.0.

Source: Milken Institute, *Best Performing Cities: 2015, Where America's Jobs Are Created and Sustained* (December 2015) <<http://www.best-cities.org/2015/best-performing-cities-report-2015.pdf>> accessed December 16, 2015. See also San Jose-Sunnyvale-Santa Clara, CA as #2 for 2014 <<http://www.best-cities.org/2014/best-performing-cities-report-2014.pdf>> accessed January 12, 2015.

**Table 13.14-- THE NEW ECONOMY INDEX, RANK AND SCORE FOR THE 50 STATES: 2002 TO 2014**

[The changing economic landscape known as the New Economy requires state economies to be innovative, globally-linked, entrepreneurial and dynamic, with an educated workforce and all sectors embracing the use of information technology. The State New Economy Index uses between 21-29 indicators to measure the extent to which they do. Changes in methodology may limit strict comparability over the period]

State	Rank						Score					
	2002	2007	2008	2010	2012	2014	2002	2007	2008	2010	2012	2014
Alabama	47	46	47	47	46	41	45.3	45.1	37.4	43.5	45.7	50.4
Alaska	31	25	32	31	28	32	56.3	62.4	50.8	52.1	58.7	56.8
Arizona	16	22	20	20	16	17	67.2	63.2	60.0	61.0	66.7	67.1
Arkansas	48	47	48	48	48	47	41.7	44.7	35.3	40.0	41.7	44.2
California	3	5	8	7	4	3	85.5	82.9	75.0	74.3	79.1	83.7
Colorado	4	9	10	9	7	6	84.3	78.3	70.4	72.8	76.8	81.4
Connecticut	7	6	6	5	9	8	74.2	81.8	76.1	76.6	76.0	77.6
Delaware	9	7	4	6	2	2	70.5	79.6	79.3	75.0	82.1	85.1
Florida	18	23	23	21	21	25	62.7	63.2	58.3	60.6	61.4	61.6
Georgia	22	18	21	19	18	21	60.1	64.8	60.0	62.6	64.8	64.3
<b>Hawaii</b>	<b>35</b>	<b>41</b>	<b>35</b>	<b>40</b>	<b>36</b>	<b>43</b>	<b>53.7</b>	<b>50.9</b>	<b>47.5</b>	<b>48.7</b>	<b>53.5</b>	<b>48.4</b>
Idaho	20	24	26	27	24	24	61.6	62.8	55.6	54.2	60.5	62.3
Illinois	17	16	16	15	20	16	64.7	68.4	62.6	65.1	64.3	67.1
Indiana	36	31	36	35	42	38	52.8	55.8	47.4	49.7	49.4	54.6
Iowa	38	38	42	38	38	37	52.2	51.8	44.5	49.5	52.9	54.8
Kansas	29	34	31	26	29	31	56.7	53.6	52.9	54.5	57.7	57.3
Kentucky	42	45	45	44	45	44	48.6	45.3	41.3	46.0	45.7	48.4
Louisiana	45	44	41	43	44	46	45.9	45.9	44.7	46.0	46.1	47.0
Maine	25	32	28	28	27	28	58.3	55.6	53.9	54.0	58.9	58.3
Maryland	5	3	3	3	5	5	75.6	85.0	80.0	76.9	79.1	81.5
Massachusetts	1	1	1	1	1	1	90.0	96.1	97.0	92.6	92.4	94.7
Michigan	23	19	17	17	19	18	60.0	64.7	62.2	63.4	64.5	67.0
Minnesota	13	11	14	13	13	13	68.7	75.3	66.0	67.5	69.7	71.7
Mississippi	49	49	50	50	50	50	40.9	36.5	29.9	35.3	37.4	38.0
Missouri	24	35	37	33	33	33	58.9	53.5	46.9	50.8	54.9	56.8
Montana	37	42	40	37	37	39	52.8	49.5	46.0	49.7	53.1	54.4

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**Table 13.14-- THE NEW ECONOMY INDEX, RANK AND SCORE FOR THE 50 STATES: 2002 TO 2014 -- Con.**

State	Rank						Score					
	2002	2007	2008	2010	2012	2014	2002	2007	2008	2010	2012	2014
Nebraska	33	28	27	34	35	35	54.4	59.0	55.4	50.5	53.7	56.0
Nevada	32	27	25	30	26	27	55.7	59.2	56.7	52.5	59.0	58.7
New Hampshire	15	13	13	11	12	11	67.6	71.1	67.7	70.6	71.9	74.6
New Jersey	6	2	5	4	10	10	75.1	86.4	77.0	76.9	75.6	75.4
New Mexico	27	33	29	32	30	26	57.2	53.7	53.2	51.7	56.8	58.7
New York	10	10	9	10	11	12	69.3	77.4	74.4	71.3	72.5	73.0
North Carolina	26	26	24	24	25	23	57.5	60.2	57.4	57.1	60.2	63.1
North Dakota	44	37	39	36	34	36	46.1	51.9	46.5	49.7	54.1	55.8
Ohio	30	29	30	25	32	29	56.5	57.8	53.0	55.2	55.5	58.3
Oklahoma	34	40	43	42	47	48	54.1	51.4	43.2	47.2	45.5	44.1
Oregon	11	17	15	14	14	15	68.9	66.8	63.8	67.0	69.3	69.3
Pennsylvania	19	21	22	22	22	22	62.3	63.6	59.2	60.2	60.6	63.2
Rhode Island	21	15	11	16	23	19	61.5	68.6	67.7	63.6	60.5	66.8
South Carolina	41	39	34	39	40	34	51.1	51.5	48.7	49.3	49.8	56.6
South Dakota	43	48	44	45	43	42	47.4	43.8	42.9	45.1	48.0	49.0
Tennessee	39	36	38	41	39	40	52.2	53.3	46.7	48.5	52.2	51.3
Texas	14	14	18	18	17	20	67.6	68.6	62.1	63.0	65.7	65.2
Utah	12	12	12	12	8	9	68.7	73.2	67.7	69.1	76.4	77.0
Vermont	28	20	19	23	15	14	56.9	64.5	60.5	59.5	67.2	69.5
Virginia	8	8	7	8	6	7	72.1	79.5	75.6	73.7	77.9	80.9
Washington	2	4	2	2	3	4	86.2	84.6	81.9	77.5	79.5	82.5
West Virginia	50	50	49	49	49	49	40.7	35.6	31.9	38.1	37.9	39.8
Wisconsin	40	30	33	29	31	30	52.0	55.9	50.6	53.1	55.8	57.8
Wyoming	46	43	46	46	41	45	45.7	47.9	40.1	45.0	49.5	48.1

Source: The Information Technology & Innovation Foundation <<http://www.itif.org/>> *The State New Economy Index: 2002*; <<http://www.itif.org/files/2002-new-state-econ-index.pdf>>; Ibid. 2007 <[http://www.itif.org/files/2007\\_State\\_New\\_Economy\\_Index.pdf](http://www.itif.org/files/2007_State_New_Economy_Index.pdf)>; Ibid. 2008 <[http://www.itif.org/files/2008\\_State\\_New\\_Economy\\_Index.pdf](http://www.itif.org/files/2008_State_New_Economy_Index.pdf)>; Ibid. 2010 <<http://www.itif.org/files/2010-state-new-economy-index.pdf>> and Ibid. 2012 <<http://www2.itif.org/2012-state-new-economy-index.pdf>> accessed January 11, 2013; and Ibid 2014 <<http://www.itif.org/publications/2014-state-new-economy-index>> June 19, 2014.

**Table 13.15-- THE NEW ECONOMY INDEX, RANK: 2010 TO 2014**

[The changing economic landscape known as the New Economy requires state economies to be innovative, globally-linked, entrepreneurial and dynamic, with an educated workforce and all sectors embracing the use of information technology. The State New Economy Index uses 26 indicators to measure the extent to which they do. Rank of 1 indicates most favorable]

Category	2010	2012	2014
Overall	40	36	43
Knowledge jobs	(NA)	34	(NA)
Information technology jobs	46	44	44
Managerial, professional, and technical jobs	41	33	31
Workforce education	13	14	15
Immigration of knowledge workers	7	28	23
Migration of U.S. knowledge workers	4	5	10
Manufacturing value added	46	46	50
High-wage traded services	46	39	42
Globalization	(NA)	30	(NA)
Export focus of manufacturing and services	49	40	50
Foreign direct investment	8	19	23
Economic dynamism	(NA)	48	(NA)
Job churning	32	33	31
Fast-growing firms	44	43	32
Initial public offerings	34	32	36
Entrepreneurial activity	45	46	26
Inventor patents	41	39	40
Digital economy	(NA)	32	(NA)
Online population	21	34	(NA)
E-government	25	25	24
Online agriculture	31	26	26
Broadband telecommunications	19	26	40
Health IT	31	27	49
Innovation capacity	(NA)	23	(NA)
High-tech jobs	41	40	41
Scientists and engineers	45	39	41
Patents	42	3	34
Industry investment in R&D	44	27	34
Non-Industry investment in R&D	17	17	19
Movement toward a green economy	24	16	37
Venture capital	36	45	47

NA Not available.

Source: The Information Technology & Innovation Foundation, *The State New Economy Index 2010* <<http://www.itif.org/files/2010-state-new-economy-index.pdf>>; Ibid. 2012 <<http://www2.itif.org/2012-state-new-economy-index.pdf>> and 2012 Indicator Ranks (CSV) <<http://www2.itif.org/2012-snei-indicator-ranks.csv>> accessed January 11, 2013; and Ibid 2014 "Indicator Scores By Rank" <<http://www2.itif.org/2014-snei-master-tables.pdf>> accessed June 19, 2014.

**Table 13.16-- ECONOMIC ESTIMATES AND PROJECTIONS FOR THE  
STATE AND BY COUNTY: 2010 TO 2040**

[In millions of 2005 dollars. See Section 1 for population and Section 12 for jobs projections  
from the same source]

Year	Gross domestic product	Personal income				
		Total personal income	Labor income 1/	Dividends, interest and rent	Transfer income	Contrib. for gov't insurance
State total						
2010 2/	59,329	47,838	34,952	9,047	7,623	3,785
2015	65,400	53,090	37,880	9,770	9,490	4,040
2020	71,500	58,330	40,830	10,640	11,220	4,350
2025	77,700	63,720	43,660	11,590	13,130	4,650
2030	84,100	69,100	46,460	12,590	14,990	4,940
2035	90,600	74,270	49,180	13,590	16,720	5,230
2040	97,200	79,170	51,850	14,590	18,240	5,510
Honolulu						
2010 2/	(NA)	36,140	27,520	6,470	5,130	2,980
2015	(NA)	39,720	29,770	6,870	6,260	3,180
2020	(NA)	43,180	31,980	7,370	7,240	3,410
2025	(NA)	46,730	34,080	7,910	8,370	3,630
2030	(NA)	50,290	36,120	8,480	9,530	3,840
2035	(NA)	53,700	38,070	9,060	10,620	4,050
2040	(NA)	56,870	39,950	9,630	11,540	4,250
Hawaii						
2010 2/	(NA)	5,040	2,980	1,170	1,200	320
2015	(NA)	5,840	3,290	1,320	1,570	350
2020	(NA)	6,700	3,620	1,510	1,960	390
2025	(NA)	7,580	3,950	1,710	2,340	420
2030	(NA)	8,450	4,300	1,920	2,680	460
2035	(NA)	9,280	4,660	2,140	2,980	490
2040	(NA)	10,120	5,020	2,370	3,270	530

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**Table 13.16-- ECONOMIC ESTIMATES AND PROJECTIONS FOR THE STATE AND BY COUNTY: 2010 TO 2040 -- Con.**

Year	Gross domestic product	Personal income				
		Total personal income	Labor income 1/	Dividends, interest and rent	Transfer income	Contrib. for gov't insurance
Maui						
2010 2/	(NA)	4,670	3,140	970	900	340
2015	(NA)	5,300	3,420	1,090	1,160	360
2020	(NA)	5,950	3,720	1,210	1,410	400
2025	(NA)	6,620	4,020	1,350	1,670	430
2030	(NA)	7,300	4,340	1,490	1,930	460
2035	(NA)	7,970	4,660	1,630	2,180	490
2040	(NA)	8,620	4,980	1,770	2,400	530
Kauai						
2010 2/	(NA)	2,000	1,310	440	390	140
2015	(NA)	2,230	1,400	490	490	150
2020	(NA)	2,510	1,500	550	610	160
2025	(NA)	2,790	1,600	620	740	170
2030	(NA)	3,060	1,700	690	850	180
2035	(NA)	3,320	1,800	760	950	190
2040	(NA)	3,560	1,900	830	1,030	200

NA Not available.

1/ Labor income is the sum of wages and salaries, supplements to wages and salaries, and proprietors' income.

2/ Actual data for State and DBEDT estimates for counties.

Source: Hawaii Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2040* (March 2012), Table 1-5 and Appendix table A-62

<[http://hawaii.gov/dbedt/info/economic/data\\_reports/2040-long-range-forecast](http://hawaii.gov/dbedt/info/economic/data_reports/2040-long-range-forecast)> accessed April 2, 2012.

**Table 13.17-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES, UNRELATED INDIVIDUALS, AND PERSONS: 1949 TO 2014**

[In dollars. Based on censuses made in April of following year for 1949 to 1999 and American Community Survey beginning with 2009]

Year	Households	Families	Unrelated individuals with income 1/	Persons with income 2/	
				Male	Female
1949	(NA)	3,568	1,583	2,340	1,247
1959	(NA)	6,366	1,998	3,753	1,796
1969	10,675	11,664	2,981	6,528	3,222
1979	20,473	22,750	7,097	11,505	6,581
1989	38,829	43,176	(NA)	21,095	12,976
1999	49,820	56,961	(NA)	3/ 36,808	3/ 29,831
2009	64,098	75,066	37,834	45,911	35,977
2010	63,030	76,134	38,060	45,443	36,242
2011	61,821	74,234	38,510	45,494	37,242
2012	66,259	77,447	40,883	45,748	38,040
2013	68,020	80,316	40,189	48,440	40,370
2014	69,592	79,187	41,669	46,786	40,162

NA Not available.

1/ 14 years old and over through 1969, and 15 years old and over thereafter. Beginning with 2009, refers to median nonfamily income.

2/ 14 years old and over through 1969, and 15 years old and over thereafter. Beginning with 2009, refers to median earnings for male or female full-time, year-round workers.

3/ Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions see <<http://factfinder.census.gov/home/en/datanotes/expsf4.htm>>.

Source: U.S. Bureau of the Census, *Census of Population: 1960*, PC(1)-13C (1962), tables 66 and 67 (for 1949 data); *1970 Census of Population*, PC(1)-C13 (December 1971), table 47 (for 1959 data); *1980 Census of Population*, PC80-1-C-13 (June 1983), table 61 (for 1969 and 1979 data); *1990 Census of Population and Housing*, 1990 CP-2-13 (September 1993), table 28 (for 1989 data); U.S. Census Bureau, Census 2000, Table DP-3 Profile of Selected Economic Characteristics: 2000 (for 1999 data) <<http://www.hawaii.gov/dbedt/census2k/profile-state/index.html>> accessed July 23, 2002; U.S. Census Bureau, Census 2000 Summary File 4 (SF 4) - Sample Data, PCT133. Median Income in 1999 dollars, by sex, by work experience in 1999 for the Population 15 years and over with income; and Hawaii Department of Business, Economic Development & Tourism, Hawaii State Data Center compilations of U.S. Census Bureau American FactFinder, American Community Survey 1-Year Estimates Hawaii Geographic Area Profiles "DP03 Selected Economic Characteristics" (annual) <<http://census.hawaii.gov/acs/>> accessed June 27, 2016.

**Table 13.18-- MEDIAN INCOME OF FOUR-PERSON FAMILIES IN THE UNITED STATES AND HAWAII: 1974 TO 2014**

[Based on small samples and subject to considerable sampling variation. From surveys taken in March or April of following year. The methodology used to compute 4-person family median income by state uses the most recent data available from the March Current Population Survey (CPS), the American Community Survey and the decennial census of population conducted by the Census Bureau, as well as per capita personal income estimates produced by the Bureau of Economic Analysis. The Census Bureau recommends 2-year averages to evaluate changes in state estimates over time, and 3-year averages to compare the relative ranking of states]

<b>Calendar year 1/</b>	<b>United States (dollars)</b>	<b>Hawaii (dollars)</b>	<b>Hawaii rank 2/</b>	<b>Hawaii as percent of U.S.</b>
1974	14,747	17,069	2	115.7
1975	15,848	18,825	2	118.8
1976	17,315	20,113	2	116.2
1977	18,723	21,718	2	116.0
1978	20,428	22,475	3	110.0
1979	22,395	24,582	7	109.8
1980 3/	24,332	27,514	4	113.1
1981	26,274	29,295	6	111.5
1982	27,619	30,019	9	108.7
1983	29,184	31,614	10	108.3
1984	31,097	33,445	11	107.6
1985	32,777	34,636	10	105.7
1986	34,716	36,618	11	105.5
1987	36,812	40,878	6	111.0
1988	39,051	42,353	8	108.5
1989	40,763	44,988	8	110.4
1990	41,451	50,234	6	121.2
1991	43,056	49,367	6	114.7
1992	44,251	50,856	5	114.9
1993	45,161	54,856	4	121.5
1994	47,012	56,992	5	121.2
1995 4/	49,687	54,749	6	110.2
1996	51,518	57,909	6	112.4
1997	53,350	58,474	10	109.6
1998 5/	56,061	61,540	10	109.8
1999	59,981	66,402	7	110.7
2000	62,228	65,872	15	105.9
2001 6/	63,278	66,014	16	104.3
2002	62,732	67,564	13	107.7
2003	65,093	71,320	12	109.6
2004	66,111	73,477	10	111.1
2005	67,019	79,240	6	118.2

Continued on next page.

**Table 13.18-- MEDIAN INCOME OF FOUR-PERSON FAMILIES IN THE UNITED STATES AND HAWAII: 1974 TO 2014 -- Con.**

<b>Calendar year 1/</b>	<b>United States (dollars)</b>	<b>Hawaii (dollars)</b>	<b>Hawaii rank 2/</b>	<b>Hawaii as percent of U.S.</b>
2006	70,354	84,472	6	120.1
2007	72,336	84,438	6	116.7
2008	75,782	91,483	6	120.7
2009	73,714	85,190	8	115.6
2010	72,767	82,726	11	113.7
2011	74,563	82,973	13	111.3
2012	76,049	83,538	15	109.8
2013	77,953	88,217	11	113.2
2014	80,545	91,096	10	113.1

1/ The term "calendar year" refers to the year the money income was received by the Current Population Survey respondents. Previous Data Book's tables included "fiscal year" (or, for this program, calendar year plus 3) which referred to the time period used for eligibility for the Department of Health and Human Services's Low Income Home Energy Assistance Program (LIHEAP). Estimates are as published in the *Federal Register*.

2/ Rank computed among the 50 states and the District of Columbia. Rank of 1 indicates the highest median income.

3/ Implementation of 1980 census population controls in CPS estimates.

4/ Implementation of 1990 census population controls in CPS estimates.

5/ In 1999, The U.S. Bureau of Economic Analysis revised its methodology in estimating personal per capita income.

6/ Implementation of Census 2000-based population controls in CPS estimates.

Source: U.S. Census Bureau, Median Income for 4-Person Families, By State, 1974-2003 (FY 1977-2006) <<http://www.census.gov/hhes/income/4person.html>> accessed April 25, 2005; and *Federal Register*: February 28, 2006 (Volume 71, Number 39), pp. 10037-10039 <<http://www.gpoaccess.gov/fr/index.html>> accessed April 25, 2006; *Federal Register*: March 28, 2007 (Volume 72, Number 59) pp. 14579-14581 <<http://www.gpoaccess.gov/fr/index.html>> accessed April 26, 2007; *Federal Register*: March 5, 2008 (Volume 73, Number 44), pp. 11924-11926 <<http://www.gpoaccess.gov/fr/index.html>> accessed March 31, 2008; *Federal Register*: March 13, 2009 (Volume 74, Number 48), pp. 10922-10924 <<http://www.gpoaccess.gov/fr/index.html>> accessed April 2, 2009; U.S. Census Bureau, American Factfinder "American Community Survey 1-Year Estimates, Table B19119. Median Family Income In The Past 12 Months (In Inflation-Adjusted Dollars) By Family Size" (annual) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed December 28, 2015 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, IN CURRENT AND CONSTANT 2014 DOLLARS: 1984 TO 2014**

[Based on small samples and subject to considerable sampling variation. From surveys conducted in March or April of following year. Median income in current and 2014 CPI-U-RS adjusted dollars. The CPI-U-RS is a price index of inflation that incorporates most of the improvements in methodology made to the current CPI-U since 1978 into a single, uniform series. The Census Bureau recommends using the ACS one-year estimates to examine the most recent state trends, and the CPS for examining historical trends (more than a few years) by state]

Year	Median income in current dollars					
	United States			Hawaii		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
1984 1/	22,415	(NA)	102	28,877	(NA)	1,216
1985 2/	23,618	5.4	128	28,961	0.3	1,446
1986	24,897	5.4	129	29,003	0.1	1,206
1987 3/	26,061	4.7	127	35,022	20.8	1,074
1988	27,225	4.5	139	33,024	-5.7	1,482
1989	28,906	6.2	159	35,035	6.1	1,328
1990	29,943	3.6	153	38,921	11.1	1,414
1991	30,126	0.6	144	37,246	-4.3	1,630
1992 4/	30,636	1.7	145	42,113	13.1	1,435
1993 5/	31,241	2.0	146	42,662	1.3	1,759
1994 6/	32,264	3.3	147	42,255	-1.0	2,423
1995 7/	34,076	5.6	197	42,851	1.4	1,292
1996	35,492	4.2	179	41,772	-2.5	1,893
1997	37,005	4.3	171	40,934	-2.0	1,399
1998	38,885	5.1	230	40,827	-0.3	2,369
1999 8/	40,696	4.7	190	44,504	9.0	1,832
2000 9/	41,990	3.2	132	51,546	15.8	1,193
2001	42,228	0.6	129	47,439	-8.0	1,256
2002	42,409	0.4	139	47,303	-0.3	1,371
2003	43,318	2.1	188	51,834	9.6	1,332
2004 10/	44,334	2.3	196	56,242	8.5	1,690
2005	46,326	4.5	155	59,586	5.9	1,212
2006	48,201	4.0	207	60,470	1.5	1,571
2007	50,233	4.2	140	64,022	5.9	2,125
2008	50,303	0.1	137	61,521	-3.9	1,481
2009 11/	49,777	-1.0	213	55,649	-9.5	2,023
2010 12/	49,276	-1.0	325	59,539	7.0	2,731
2011	50,054	1.6	251	59,047	-0.8	2,531
2012	51,017	1.9	209	56,263	-4.7	2,255
2013 13/	53,585	5.0	654	64,235	14.2	3,918
2013 14/	51,939	1.8	276	61,408	9.1	2,207
2014	53,657	3.3	392	71,223	16.0	2,676

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**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, IN CURRENT AND CONSTANT 2014 DOLLARS: 1984 TO 2014 -- Con.**

Year	Median income in constant (2014) dollars					
	United States			Hawaii		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
1984 1/	48,664	(NA)	221	62,693	(NA)	2,640
1985 2/	49,574	1.9	269	60,788	-3.0	3,035
1986	51,329	3.5	266	59,794	-1.6	2,486
1987 3/	51,973	1.3	253	69,843	16.8	2,142
1988	52,372	0.8	267	63,527	-9.0	2,851
1989	53,306	1.8	293	64,609	1.7	2,449
1990	52,623	-1.3	269	68,402	5.9	2,485
1991	51,086	-2.9	244	63,160	-7.7	2,764
1992 4/	50,667	-0.8	240	69,648	10.3	2,373
1993 5/	50,421	-0.5	236	68,853	-1.1	2,839
1994 6/	51,006	1.2	232	66,801	-3.0	3,831
1995 7/	52,604	3.1	304	66,150	-1.0	1,994
1996	53,345	1.4	269	62,784	-5.1	2,845
1997	54,443	2.1	252	60,224	-4.1	2,058
1998	56,445	3.7	334	59,264	-1.6	3,439
1999 8/	57,843	2.5	270	63,255	6.7	2,604
2000 9/	57,724	-0.2	181	70,860	12.0	1,640
2001	56,466	-2.2	172	63,434	-10.5	1,679
2002	55,807	-1.2	183	62,247	-1.9	1,804
2003	55,759	-0.1	242	66,720	7.2	1,715
2004 10/	55,565	-0.3	246	70,490	5.7	2,118
2005	56,160	1.1	188	72,234	2.5	1,469
2006	56,598	0.8	243	71,004	-1.7	1,845
2007	57,357	1.3	160	73,102	3.0	2,426
2008	55,313	-3.6	151	67,648	-7.5	1,628
2009 11/	54,925	-0.7	235	61,405	-9.2	2,232
2010 12/	53,507	-2.6	353	64,651	5.3	2,966
2011	52,690	-1.5	264	62,157	-3.9	2,664
2012	52,605	-0.2	216	58,014	-6.7	2,325
2013 13/	52,789	0.3	281	62,413	7.6	2,243
2013 14/	54,462	3.5	665	65,286	12.5	3,982
2014	53,657	-1.5	392	71,223	9.1	2,676

Continued on next page.

**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, IN CURRENT AND CONSTANT 2014 DOLLARS: 1984 TO 2014 -- Con.**

NA Not available.

1/ Data reflect implementation of Hispanic population weighting controls and introduction of 1980 census-based sample design.

2/ Recording of amounts for earnings from longest job were increased to \$299,999. Data reflect full implementation of 1980 census-based sample design.

3/ Data reflect implementation of a new March CPS processing system.

4/ Data reflect implementation of 1990 census population controls.

5/ Data collection method changed from paper and pencil to computer-assisted interviewing. In addition, the March 1994 income supplement was revised to allow for the coding of different income amounts on selected questionnaire items. See source for specifics.

6/ Data reflect introduction of 1990 census-based sample design.

7/ Data reflect full implementation of the 1990 census-based sample design and metropolitan definitions, 7,000 household sample reduction, and revised race edits.

8/ Implementation of Census 2000-based population controls.

9/ Implementation of a 28,000 household sample expansion.

10/ Data had been revised to reflect a correction to the weights in the 2005 Annual Social and Economic Supplement (ASEC) to the Current Population Survey.

11/ Beginning with 2009 income data, the Census Bureau expanded the upper income interval used to calculate medians and Gini indexes to \$250,000 or more.

12/ Implementation of Census 2010-based population controls.

13/ Based on the original 2013 CPS ASEC designed questions for income and health insurance coverage.

14/ Based on the 2014 CPS ASEC with redesigned questions for income and health insurance coverage.

Source: U.S. Census Bureau, Historical Income Tables - Households, Table H-8. Median Household Income by State: 1984 to 2014 <<http://www.census.gov/hhes/www/income/data/historical/household/2014/h08.xls>> accessed October 27, 2015; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 13.20- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, 2-YEAR MOVING AVERAGES IN CONSTANT 2013 DOLLARS: 1984 TO 2013**

[Based on small samples and subject to considerable sampling variation. Surveys conducted in March or April of following year. Median income in 2013 CPI-U-RS adjusted dollars. The CPI-U-RS is a price index of inflation that incorporates most improvements in methodology made to the current CPI-U since 1978 into a single, uniform series. The Census Bureau recommends 2-year averages to evaluate changes in state estimates over time]

Year	Median income, 2-year moving averages 1/					
	United States			Hawaii		
	Income (dollars)	Percent change	Standard error	Income (dollars)	Percent change	Standard error
1984 2/-1985 3/	48,314	(NA)	198	60,729	(NA)	2,296
1985 3/-1986	49,624	2.7	216	59,303	-2.3	2,236
1986-1987 4/	50,804	2.4	210	63,756	7.5	1,873
1987 4/-1988	51,317	1.0	210	65,592	2.9	2,027
1988-1989	51,973	1.3	227	63,018	-3.9	2,144
1989-1990	52,084	0.2	227	65,398	3.8	1,993
1990-1991	50,992	-2.1	207	64,686	-1.1	2,122
1991-1992 5/	50,043	-1.9	196	65,316	1.0	2,079
1992 5/-1993 6/	49,715	-0.7	192	68,115	4.3	2,110
1993 6/-1994 7/	49,871	0.3	189	66,701	-2.1	2,708
1994 7/-1995 8/	50,933	2.1	218	65,357	-2.0	2,408
1995 8/-1996	52,095	2.3	232	63,396	-3.0	1,970
1996-1997	53,011	1.8	210	60,496	-4.6	1,994
1997-1998	54,524	2.9	238	58,752	-2.9	2,254
1998-1999 9/	56,196	3.1	245	60,243	2.5	2,452
1999 9/-2000 10/	56,847	1.2	184	65,973	9.5	1,736
2000 10/-2001	56,181	-1.2	143	66,073	0.2	1,342
2001-2002	55,238	-1.7	144	61,835	-6.4	1,409
2002-2003	54,889	-0.6	173	63,451	2.6	1,423
2003-2004 11/	54,770	-0.2	197	67,506	6.4	1,553
2004 11/-2005	54,976	0.4	176	70,230	4.0	1,462
2005-2006	55,483	0.9	175	70,482	0.4	1,344
2006-2007	56,062	1.0	165	70,896	0.6	1,734
2007-2008	55,430	-1.1	126	69,244	-2.3	1,654
2008-2009 12/	54,241	-2.1	158	63,498	-8.3	1,570
2009 12/-2010 13/	53,276	-1.8	307	62,108	-2.2	2,424
2010 13/-2011	52,244	-1.9	264	62,384	0.4	2,238
2011-2012	51,800	-0.8	195	59,118	-5.2	1,889
2012-2013 14/	51,849	0.1	183	59,244	0.2	1,614

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**Table 13.20- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, 2-YEAR MOVING AVERAGES IN CONSTANT 2013 DOLLARS: 1984 TO 2013 -- Con.**

NA Not available.

1/ Due to the redesign of the CPS ASEC income questions, 2013 is the last year that data are available for two-year averages. These data will not be updated until 2015 estimates are available.

2/ Data reflect implementation of Hispanic population weighting controls and introduction of 1980 census-based sample design.

3/ Recording of amounts for earnings from longest job were increased to \$299,999. Data reflect full implementation of 1980 census-based sample design.

4/ Data reflect implementation of a new March CPS processing system.

5/ Data reflect implementation of 1990 census population controls.

6/ Data collection method changed from paper and pencil to computer-assisted interviewing. In addition, the March 1994 income supplement was revised to allow for the coding of different income amounts on selected questionnaire items. Child support and alimony limits decreased to \$49,999. Limits increased in the following categories: earnings to \$999,999; social security to \$49,999; supplemental security income and public assistance income to \$24,999; and veterans' benefits to \$99,999.

7/ Data reflect introduction of 1990 census-based sample design.

8/ Data reflect full implementation of the 1990 census-based sample design and metropolitan definitions, 7,000 household sample reduction, and revised race edits.

9/ Implementation of Census 2000-based population controls.

10/ Implementation of a 28,000 household sample expansion.

11/ Data had been revised to reflect a correction to the weights in the 2005 Annual Social and Economic Supplement (ACES) to the Current Population Survey.

12/ Beginning with 2009 income data, the Census Bureau expanded the upper income interval used to calculate medians and Gini indexes to \$250,000 or more.

13/ Implementation of Census 2010-based population controls.

14/ Data are based on the 2014 CPS ASEC with redesigned questions for income and health insurance coverage.

Source: U.S. Census Bureau, "Table H-8A. Median Income of Households by State: 1984 to 2013 Two-Year Moving Averages" <<http://www.census.gov/hhes/www/income/data/historical/household/2013/h08A.xls>> accessed January 15, 2015.

**Table 13.21- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, 3-YEAR MOVING AVERAGES IN CONSTANT 2013 DOLLARS: 1984 TO 2013**

[Based on small samples and subject to considerable sampling variation. From surveys conducted in March or April of following year. Median income in 2013 CPI-U-RS adjusted dollars. The CPI-U-RS is a price index of inflation that incorporates most of the improvements in methodology made to the current CPI-U since 1978 into a single, uniform series. The Census Bureau recommends 3-year averages to compare the relative ranking of states]

Year	Median income, 3-year moving averages 1/		
	United States (dollars)	Standard error	Rank between 2/
1984-1986	49,038	175	22 & 23
1985-1987	50,123	181	23 & 24
1986-1988	51,041	180	24 & 25
1987-1989	51,689	187	22 & 23
1988-1990	51,894	191	21 & 22
1989-1991	51,472	185	20 & 21
1990-1992	50,607	172	23 & 24
1991-1993	49,893	165	23 & 24
1992-1994	49,859	162	23 & 24
1993-1995	50,487	176	22 & 23
1994-1996	51,446	187	22 & 23
1995-1997	52,580	189	22 & 23
1996-1998	53,840	195	22 & 23
1997-1999 2/	55,314	199	22 & 23
1998-2000 3/	56,397	184	21 & 22
1999-2001 3/	56,419	144	20 & 21
2000-2002 3/	55,759	123	24 & 25
2001-2003	55,114	137	24 & 25
2002-2004 4/	54,818	156	20 & 21
2003-2005 4/	54,939	157	21 & 22
2004-2006 4/	55,214	154	22 & 23
2005-2007	55,801	139	20 & 21
2006-2008	55,516	128	22 & 23
2007-2009	54,973	125	22 & 23
2008-2010	53,770	144	26 & 27
2009-2011 5/	52,798	256	26 & 27
2010-2012	52,082	214	24 & 25
2011-2013 6/	51,847	171	26 & 27

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**Table 13.21- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, 3-YEAR MOVING AVERAGES IN CONSTANT 2013 DOLLARS: 1984 TO 2013-- Con.**

Year	Median income, 3-year moving averages 1/		
	Hawaii (dollars)	Standard error	Rank 2/
1984-1986	60,091	1,891	5
1985-1987	62,435	1,765	5
1986-1988	63,333	1,700	6
1987-1989	64,911	1,731	5
1988-1990	64,428	1,779	6
1989-1991	64,307	1,762	6
1990-1992	65,959	1,761	3
1991-1993	66,119	1,815	3
1992-1994	67,303	2,091	2
1993-1995	66,146	2,064	2
1994-1996	64,156	1,968	3
1995-1997	62,010	1,619	5
1996-1998	59,753	1,889	14
1997-1999 3/	59,908	1,913	16
1998-2000 4/	63,404	1,812	10
1999-2001 4/	64,788	1,360	9
2000-2002 4/	64,465	1,174	10
2001-2003	63,107	1,196	11
2002-2004 5/	65,420	1,287	8
2003-2005 5/	68,704	1,241	4
2004-2006 5/	70,108	1,233	3
2005-2007	70,964	1,332	4
2006-2008	69,451	1,385	5
2007-2009	66,308	1,423	7
2008-2010	63,168	1,415	10
2009-2011 6/	61,791	2,073	9
2010-2012	60,616	1,846	11
2011-2013 7/	59,882	1,445	12

1/ Due to the redesign of the CPS ASEC income questions, 2013 is the last year that data are available for three-year averages. These data will not be updated until 2016 estimates are available.

2/ Rank among the 50 states and the District of Columbia. A rank of 1 indicates the highest median income and a rank for the United States average indicates its relative place among them.

3/ Implementation of Census 2000-based population controls.

4/ Implementation of a 28,000 household sample expansion.

5/ Data had been revised to reflect a correction to the weights in the 2005 Annual Social and Economic Supplement (ASEC) to the Current Population Survey.

6/ Implementation of Census 2010-based population controls.

7/ Data based on the 2014 CPS ASEC with redesigned questions for income and health insurance coverage.

Source: U.S. Census Bureau, "Table H-8B. Median Income of Households by State: 1984 to 2013 Three-Moving Averages" <<http://www.census.gov/hhes/www/income/data/historical/household/2013/h08B.xls>> accessed January 15, 2015; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 13.22-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES AND PERCENT OF FAMILIES AND PERSONS BELOW POVERTY LEVEL, BY COUNTY AND SELECTED CENSUS DESIGNATED PLACE (CDP): 2010-2014**

[Economic characteristics not available from the Census 2010. Average of the 5-year period]

Geographic area	Median income (dollars) 1/		Percent below poverty level 2/	
	Households	Families	Persons	Families
State	68,201	80,371	11.3	7.8
County: Hawaii	51,213	60,114	19.2	14.0
Honolulu	73,581	85,837	9.8	6.6
Kalawao	61,250	98,125	17.6	0.0
Kauai	62,946	74,076	11.7	8.0
Maui	64,567	75,414	11.4	8.0
CDP: Hilo	52,563	68,268	18.2	13.0
East Honolulu	111,582	120,955	3.5	2.5
Kailua (Oahu)	104,911	113,239	5.8	3.7
Kaneohe	81,907	88,832	6.9	4.1
Pearl City	82,895	94,722	6.1	4.6
Urban Honolulu	60,548	75,288	12.0	7.7
Waipahu	68,352	73,112	14.1	11.6
Kahului	62,038	70,652	12.4	9.2
Lihue	59,214	69,031	17.8	15.7

1/ Inflation- adjusted 2014 dollars for 2010-2014.

2/ Based on U.S. poverty thresholds. Thresholds in Hawaii are about 15 percent higher; these statistics accordingly understate the prevalence of poverty in Hawaii.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates extracted by Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center American Community Survey 2014 5-Year Estimates, Data Profiles by Hawaii Geographic Area, State of Hawaii, County: Honolulu, Hawaii, Kauai, Maui, Kalawao, and Census Designated Places: Honolulu County and Neighbor Islands "DP03: Selected Economic Characteristics" <<http://census.hawaii.gov/acs/acs-2014/>> accessed March 23, 2016.

**Table 13.23-- ESTIMATED MEDIAN HOUSEHOLD INCOME AND POVERTY STATUS, BY COUNTY: 2013 AND 2014**

[Beginning with the estimates for 2005, data from the American Community Survey (ACS) were used in the estimation procedure; all prior years used data from the Annual Social and Economic Supplements (ASEC) of the Current Population Survey (CPS). Comparisons between 2005-and-beyond Small Area Income and Poverty Estimates (SAIPE) estimates (based on ACS data) and SAIPE estimates for previous years (based on CPS ASEC data) are not advised because there is a break in the time-series due to the switch from one source to the other. Comparisons of pre-2005 state-level estimates are possible; and 2005-and-beyond estimates will be comparable. For detailed discussion, see source]

Item	Median household income		Persons in poverty 1/				Persons under 18 in poverty			
	Dollars	90% conf. interval 2/	Number	90% conf. interval 2/	Percent	90% conf. interval 2/	Number	90% conf. interval 2/	Percent	90% conf. interval 2/
2013										
State total	67,798	66,428 to 69,168	153,375	146,661 to 160,089	11.2	10.7 to 11.7	43,574	40,054 to 47,094	14.4	13.2 to 15.6
County										
Hawaii	47,377	43,831 to 50,923	36,553	31,483 to 41,623	19.5	16.8 to 22.2	10,712	8,542 to 12,882	25.8	20.6 to 31.0
Honolulu	72,649	71,213 to 74,085	91,757	84,180 to 99,334	9.6	8.8 to 10.4	25,612	22,176 to 29,048	12.2	10.6 to 13.8
Kalawao 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kauai	55,844	51,748 to 59,940	8,074	6,405 to 9,743	11.8	9.4 to 14.2	2,373	1,737 to 3,009	15.6	11.4 to 19.8
Maui 3/	62,277	59,084 to 65,470	16,991	13,848 to 20,134	10.7	8.7 to 12.7	4,876	3,537 to 6,215	13.8	10.0 to 17.6
2014										
State total	69,549	68,236 to 70,862	158,266	151,850 to 164,682	11.5	11.0 - 12.0	45,637	42,587 to 48,687	15.2	14.2 - 16.2
County										
Hawaii	51,887	49,875 to 53,899	34,598	30,030 to 39,166	18.1	15.7 - 20.5	10,515	8,538 to 12,492	25.3	20.6 - 30.0
Honolulu	73,985	72,489 to 75,481	93,994	86,946 to 101,042	9.8	9.1 - 10.5	26,685	23,679 to 29,691	12.8	11.4 - 14.2
Kalawao 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kauai	58,883	54,504 to 63,262	8,570	7,033 to 10,107	12.3	10.1 - 14.5	2,314	1,716 to 2,912	15.1	11.2 - 19.0
Maui 3/	64,916	62,156 to 67,676	21,103	17,925 to 24,281	13.1	11.1 - 15.1	6,124	4,892 to 7,356	17.3	13.8 - 20.8

NA Not available.

1/ Based on Mainland poverty thresholds. Official Hawaii thresholds are about 15 percent higher. See following table.

2/ A confidence interval is a range of values that describes the uncertainty surrounding an estimate and are one way to represent how "good" an estimate is; the larger a 90% confidence interval for a particular estimate, the more caution is required when using the estimate.

3/ Kalawao is a Census-designated county but is included in Maui County for other consideration.

Source: U.S. Census Bureau, Small Area Income and Poverty Estimates <<http://www.census.gov/hhes/www/saipe/index.html>> accessed July 20, 2016.

**Table 13.24-- INCOME OF HOUSEHOLDS AND FAMILIES:  
2013 AND 2014**

[Economic characteristics not available from the Census 2010. Data based on a sample. For information on using the American Community Survey results see <[http://www.census.gov/acs/www/guidance\\_for\\_data\\_users/guidance\\_main/](http://www.census.gov/acs/www/guidance_for_data_users/guidance_main/)>]

Income	Households		Families	
	Number	Percent	Number	Percent
2013 (in 2013 inflation-adjusted dollars)	450,120	100.0	311,203	100.0
Less than \$10,000	25,727	5.7	10,039	3.2
\$10,000 to \$14,999	15,492	3.4	6,166	2.0
\$15,000 to \$24,999	36,286	8.1	16,610	5.3
\$25,000 to \$34,999	34,742	7.7	19,909	6.4
\$35,000 to \$49,999	50,070	11.1	33,259	10.7
\$50,000 to \$74,999	85,002	18.9	59,931	19.3
\$75,000 to \$99,999	60,056	13.3	46,615	15.0
\$100,000 to \$149,999	81,222	18.0	68,091	21.9
\$150,000 to \$199,999	31,969	7.1	25,927	8.3
\$200,000 or more	29,554	6.6	24,656	7.9
Median income (dollars)	68,020	(X)	80,316	(X)
2014 (in 2014 inflation-adjusted dollars)	450,769	100.0	314,151	100.0
Less than \$10,000	25,911	5.7	10,033	3.2
\$10,000 to \$14,999	15,780	3.4	6,037	2.0
\$15,000 to \$24,999	32,230	8.1	15,853	5.3
\$25,000 to \$34,999	32,252	7.7	21,740	6.4
\$35,000 to \$49,999	52,095	11.1	34,427	10.7
\$50,000 to \$74,999	84,919	18.9	59,507	19.3
\$75,000 to \$99,999	65,434	13.3	49,790	15.0
\$100,000 to \$149,999	80,530	18.0	66,849	21.9
\$150,000 to \$199,999	33,935	7.1	27,468	8.3
\$200,000 or more	27,683	6.6	22,447	7.9
Median income (dollars)	69,592	(X)	79,187	(X)

X Not applicable.

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, Selected Economic Characteristics: 2013 Hawaii as extracted by Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center American Community Survey 2013 Hawaii Geographic Area Profiles (1-Year Estimates) "DP03: Selected Economic Characteristics" <[http://files.hawaii.gov/dbedt/census/acs/ACS2013/ACS2013\\_1\\_Year/geographic/](http://files.hawaii.gov/dbedt/census/acs/ACS2013/ACS2013_1_Year/geographic/)> and Ibid. 2014 <<http://census.hawaii.gov/acs/acs-2014/>> accessed December 9, 2015.

**Table 13.25-- INCOME TYPE AND PER CAPITA INCOME, BY COUNTY: 2009-2013 AND 2010-2014**

[In number and dollars. Economic characteristics not available from the Census 2010. Averages of 5-year periods]

Subject	State total	City & County of Honolulu	County of Hawaii	County of Kalawao	County of Kauai	County of Maui
Households 2009- 2013	449,771	309,803	64,909	46	22,390	52,623
With earnings	366,773	256,839	48,551	41	17,693	43,649
Mean earnings (dollars) 1/	80,845	85,348	64,180	61,883	72,904	76,121
With Social Security income	143,961	97,131	22,795	16	7,839	16,180
Mean Social Security income (dollars) 1/	17,792	18,049	17,059	8,388	17,537	17,413
With retirement income	100,046	71,413	13,445	13	4,781	10,394
Mean retirement income (dollars) 1/	26,602	27,639	25,046	15,269	23,740	22,817
With Supplemental Security income	17,501	11,519	3,433	2	892	1,655
Mean Supplemental Security income (dollars) 1/	8,942	8,726	9,271	7,550	9,841	9,283
With cash public assistance income	16,912	10,481	3,807	2	899	1,723
Mean cash public assistance income (dollars) 1/	5,171	5,171	4,921	-	6,157	5,211
With Food Stamp/SNAP benefits in the past 12 months	45,823	26,656	10,900	-	2,208	6,059
Per capita income (dollars) 1/	29,305	30,361	24,635	45,515	26,658	29,517
Households 2010- 2014	450,299	310,141	64,586	46	22,395	53,131
With earnings	365,337	256,671	47,280	39	17,501	43,846
Mean earnings (dollars) 1/	81,827	86,495	63,821	61,962	75,206	76,583
With Social Security income	147,101	98,868	23,212	16	8,007	16,998
Mean Social Security income (dollars) 1/	18,194	18,434	17,489	8,525	17,945	17,889
With retirement income	101,405	71,864	14,012	13	4,874	10,642
Mean retirement income (dollars) 1/	27,572	28,882	25,121	15,515	24,474	23,390
With Supplemental Security income	18,453	11,860	3,462	2	1,005	2,124
Mean Supplemental Security income (dollars) 1/	9,343	9,168	9,621	-	10,092	9,515
With cash public assistance income	16,720	10,314	3,665	2	974	1,765
Mean cash public assistance income (dollars) 1/	5,020	5,039	4,584	-	5,622	5,481
With Food Stamp/SNAP benefits in the past 12 months	48,933	28,449	11,540	-	2,209	6,735
Per capita income (dollars) 1/	29,552	30,735	24,395	43,771	27,079	29,499

1/ In 2013-inflation adjusted dollars for 2009-2013, and 2014-inflation adjusted dollars for 2010-2014.

Source: U.S. Census Bureau, 2009-2013 American Community Survey 5-Year Estimates, Selected Economic Characteristics: 2008-2012 Hawaii, counties, and places as extracted by Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center, American Community Survey 2013 Hawaii Geographic Area Profiles (5-Year Estimates) "DP03: Selected Economic Characteristics"

<<http://census.hawaii.gov/acs/american-community-survey-2013/acs-2013-geographic-5yr/>> accessed June 18, 2015; Ibid. 2010- 2014

<<http://census.hawaii.gov/acs/acs-2014/>> accessed June 27, 2016.

**Table 13.26-- POVERTY STATUS OF PERSONS: 1969, 1975, AND  
1979 TO 2014**

[Based on Mainland poverty thresholds. Official Hawaii thresholds are approximately 15 percent higher than those in effect on the Mainland; these data accordingly understate the number and percent of persons below the poverty level in Hawaii. Data are based on censuses or surveys made in March or April of the following year, and exclude inmates of institutions, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years (14 years before 1979)]

<b>Year</b>	<b>Number</b>	<b>Percent</b>	<b>Year</b>	<b>Number</b>	<b>Percent</b>
Census:			1979	91,618	9.9
1969	68,543	9.3	1989	88,408	8.3
1975	67,000	7.9	1999	126,154	10.7
<b>Year</b>	<b>Total (1,000)</b>	<b>Number (1,000)</b>	<b>Standard error</b>	<b>Percent</b>	<b>Standard error</b>
CPS: 1/					
1980	954	81	25	8.5	2.5
1981	953	108	29	11.3	2.9
1982	997	132	32	13.2	3.0
1983	998	129	19	12.9	1.8
1984	997	92	27	9.3	2.6
1985	1,018	109	18	10.7	1.7
1986	1,024	109	18	10.7	1.7
1987	1,086	95	16	8.8	1.5
1988	1,051	117	18	11.1	1.7
1989	1,086	122	19	11.3	1.8
1990	1,100	121	19	11.0	1.7
1991	1,164	90	17	7.7	1.4
1992	1,187	133	20	11.2	1.7
1993	1,135	91	17	8.0	1.5
1994	1,106	97	17	8.7	1.6
1995	1,187	122	20	10.3	1.7
1996	1,172	142	23	12.1	1.8
1997	1,182	164	24	13.9	1.9
1998	1,201	131	22	10.9	1.7
1999	1,225	133	22	10.8	1.7
2000	1,195	106	12	8.9	0.9
2001	1,205	138	13	11.4	1.1
2002	1,219	138	14	11.3	1.0
2003	1,250	117	12	9.3	1.0
2004 2/	1,244	106	12	8.6	1.0
2005 2/	1,274	110	12	8.6	1.0
2006 2/	1,254	116	13	9.2	1.0
2007 2/	1,264	94	12	7.5	0.9
2008 2/	1,255	125	13	9.9	1.1
2009 2/	1,250	156	14	12.5	1.2
2010 2/	1,311	162	15	12.4	1.2
2011 2/	1,337	162	18	12.1	1.4
2012 2/	1,356	188	21	13.8	1.6
2013 2/ 3/	1,338	142	24	10.6	1.8
2014 2/ 4/	1,365	147	16	10.8	1.1

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**Table 13.26-- POVERTY STATUS OF PERSONS: 1969, 1975, AND  
1979 TO 2014 -- Con.**

1/ Current Population Survey. Based on small samples and subject to considerable sampling variation.

2/ For the United States, the poverty rate was 12.7 percent in 2004; 12.6 percent in 2005; 12.3 percent in 2006, 12.5 percent in 2007, 13.2 percent in 2008, 14.3 percent in 2009, 15.1 percent in 2010, 15.0 percent in 2011; 15.0 percent in 2012; 14.8 percent in 2013 (revised); and 14.8 percent in 2014.

3/ Revised from previous *Data Book*.

4/ Due to the redesign of the CPS ASEC income questions, 2013 is the last year that data are available for three-year averages. These data will not be updated until 2016 estimates are available.

Source: U.S. Bureau of the Census, *1970 Census of Population*, PC(1)-C13 (December 1971), table 58; *Current Population Reports, Consumer Income*, Series P-60, No. 113 (July 1978), p. 179; *1980 Census of Population*, PC80-1-C13 (June 1983), table 72; *1990 Census of Population*, 1990 CP-2-13 (September 1993), table 29; *2000 Census of Population, Poverty 1999: Census 2000 Brief C2KBR-19* (May 2003), table 3; *Historical Poverty Tables - People*, Tables 9 (beginning with 2014), 19, and 21  
<<http://www.census.gov/hhes/www/poverty/data/historical/people.html>> accessed October 28, 2015.

**Table 13.27-- POVERTY STATUS, FOR THE STATE AND BY COUNTY: 2010-2014**

[Based on nationwide poverty thresholds. Hawaii thresholds are approximately 15 percent higher than those in effect on the Mainland; these data accordingly understate the numbers of persons and families below the poverty level in Hawaii. Economic characteristics not available from the Census 2010. Average of 2010-2014. Data in percent below poverty level]

Subject	State total	City & County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All families	7.8	6.6	14.0	0.0	8.0	8.0
With related children under 18 years	11.9	9.8	22.6	(1/)	11.0	13.1
With related children under 5 years only	11.0	8.3	24.9	(1/)	11.3	12.5
Married couple families	4.5	3.8	8.2	0.0	5.7	4.4
With related children under 18 years	5.7	4.7	11.4	(1/)	7.0	6.1
With related children under 5 years only	3.9	3.5	6.4	(1/)	4.2	3.9
Families with female householder, no husband present	20.4	18.0	32.6	(1/)	16.5	20.7
With related children under 18 years	30.1	28.0	43.5	(1/)	20.8	27.4
With related children under 5 years only	33.5	29.2	49.5	(1/)	23.7	34.6
All people	11.3	9.8	19.2	17.6	11.7	11.4
Under 18 years	15.4	13.0	27.8	(1/)	14.4	15.6
Related children under 18 years	14.9	12.5	27.5	(1/)	13.5	15.0
Related children under 5 years	15.4	12.8	30.0	(1/)	12.9	16.0
Related children 5 to 17 years	14.7	12.4	26.5	(1/)	13.8	14.6
18 years and over	10.2	8.8	16.8	17.6	10.9	10.2
18 to 64 years	10.9	9.3	18.6	9.8	11.6	11.0
65 years and over	7.4	7.0	9.9	41.2	8.5	6.3
People in families	8.4	7.0	16.0	0.0	8.4	8.4
Unrelated individuals 15 years and over	24.9	23.3	32.2	25.5	26.7	23.6

1/ Either there were no sample observations or too few sample observations were available to compute an estimate.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, Selected Economic Characteristics: 2010-2014 Hawaii, counties, and places as extracted by Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center, American Community Survey 2014 Hawaii Geographic Area Profiles (5-Year Estimates) "DP03: Selected Economic Characteristics" <<http://census.hawaii.gov/acs/acs-2014/>> accessed June 27, 2016.

**Table 13.28-- POVERTY INCOME GUIDELINES FOR HAWAII, 1997 TO 2016  
AND FOR THE UNITED STATES AND ALASKA, 2009 TO 2016**

[In dollars. These family income levels are poverty thresholds established by the U.S. Department of Health and Human Services to determine eligibility for certain Federal programs for the poor]

Effective date	Size of family unit								Add'n member
	1	2	3	4	5	6	7	8	
Mar. 10, 1997	9,070	12,200	15,330	18,460	21,590	24,720	27,850	30,980	3,130
Feb. 24, 1998	9,260	12,480	15,700	18,920	22,140	25,360	28,580	31,800	3,220
Mar. 19, 1999	9,490	12,730	15,970	19,210	22,450	25,690	28,930	32,170	3,240
Feb. 15, 2000	9,590	12,930	16,270	19,610	22,950	26,290	29,630	32,970	3,340
Feb. 16, 2001	9,890	13,360	16,830	20,300	23,700	27,240	30,710	34,180	3,470
Feb. 14, 2002	10,200	13,740	17,280	20,820	24,360	27,900	31,440	34,980	3,540
Feb. 7, 2003	10,330	13,940	17,550	21,160	24,770	28,380	31,990	35,600	3,610
Feb. 13, 2004	10,700	14,360	18,020	21,680	25,340	29,000	32,660	36,320	3,660
Feb. 18, 2005	11,010	14,760	18,510	22,260	26,010	29,760	33,510	37,260	3,750
Jan. 24, 2006	11,270	15,180	19,090	23,000	26,910	30,820	34,730	38,640	3,910
Jan. 24, 2007	11,750	15,750	19,750	23,750	27,750	31,750	35,750	39,750	4,000
Jan. 23, 2008	11,960	16,100	20,240	24,380	28,520	32,660	36,800	40,940	4,140
Jan. 23, 2009	12,460	16,760	21,060	25,360	29,660	33,960	38,260	42,560	4,300
Aug. 3, 2010	12,460	16,760	21,060	25,360	29,660	33,960	38,260	42,560	4,300
Jan. 20, 2011	12,540	16,930	21,320	25,710	30,100	34,490	38,880	43,270	4,390
Jan. 26, 2012	12,860	17,410	21,960	26,510	31,060	35,610	40,160	44,710	4,550
Jan. 24, 2013	13,230	17,850	22,470	27,090	31,710	36,330	40,950	45,570	4,620
Jan. 22, 2014	13,420	18,090	22,760	27,430	32,100	36,770	41,440	46,110	4,670
Jan. 22, 2015	13,550	18,330	23,110	27,890	32,670	37,450	42,230	47,010	4,780
Jan. 25, 2016	13,670	18,430	23,190	27,950	32,710	37,470	42,230	47,010	4,780
Jan. 23, 2009									
United States 1/	10,830	14,570	18,310	22,050	25,790	29,530	33,270	37,010	3,740
Alaska	13,530	18,210	22,890	27,570	32,250	36,930	41,610	46,290	4,680
Aug. 3, 2010									
United States 1/	10,830	14,570	18,310	22,050	25,790	29,530	33,270	37,010	3,740
Alaska	13,530	18,210	22,890	27,570	32,250	36,930	41,610	46,290	4,680
Jan. 20, 2011									
United States 1/	10,890	14,710	18,530	22,350	26,170	29,990	33,810	37,630	3,820
Alaska	13,600	18,380	23,160	27,940	32,720	37,500	42,280	47,060	4,780
Jan. 26, 2012									
United States 1/	11,170	15,130	19,090	23,050	27,010	30,970	34,930	38,890	3,960
Alaska	13,970	18,920	23,870	28,820	33,770	38,720	43,670	48,620	4,950
Jan. 24, 2013									
United States 1/	11,490	15,510	19,530	23,550	27,570	31,590	35,610	39,630	4,020
Alaska	14,350	19,380	24,410	29,440	34,470	39,500	44,530	49,560	5,030
Jan. 22, 2014									
United States 1/	11,670	15,730	19,790	23,850	27,910	31,970	36,030	40,090	4,060
Alaska	14,580	19,660	24,740	29,820	34,900	39,980	45,060	50,140	5,080
Jan. 22, 2015									
United States 1/	11,770	15,930	20,090	24,250	28,410	32,570	36,730	40,890	4,160
Alaska	14,720	19,920	25,120	30,320	35,520	40,720	45,920	51,120	5,200
Jan. 25, 2016									
United States 1/	11,880	16,020	20,160	24,300	28,440	32,580	36,730	40,890	4,160
Alaska	14,840	20,020	25,200	30,380	35,560	40,740	45,920	51,120	5,200

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**Table 13.28-- POVERTY INCOME GUIDELINES FOR HAWAII, 1997 TO 2016  
AND FOR THE UNITED STATES AND ALASKA, 2009 TO 2016 -- Con.**

1/ Forty-eight contiguous states and the District of Columbia.

Source: U.S. Department of Health and Human Services, "Annual Update of the HHS Poverty Guidelines," *Federal Register*, March 10, 1997; Feb. 24, 1998; March 18, 1999; Feb. 15, 2000; Feb. 16, 2001; Feb. 14, 2002; March 18, 2003; Feb. 13, 2004; Feb. 18, 2005; Jan. 24, 2006; Jan. 24, 2007; Jan. 23, 2008; Jan. 23, 2009; Aug. 3, 2010; Jan. 20, 2011; Jan. 26, 2012; Jan. 15, 2013; Jan. 22, 2014; and Jan. 22, 2015.

Also for 1994-2005 <[http://www.access.gpo.gov/su\\_docs/aces/aces140.html](http://www.access.gpo.gov/su_docs/aces/aces140.html)>;

for 2000 <[http://www.access.gpo.gov/su\\_docs/fedreg/a000215c.html](http://www.access.gpo.gov/su_docs/fedreg/a000215c.html)>;

for 2001 <[http://www.access.gpo.gov/su\\_docs/fedreg/a010216c.html](http://www.access.gpo.gov/su_docs/fedreg/a010216c.html)>;

for 2002 <[http://www.access.gpo.gov/su\\_docs/fedreg/a020214c.html](http://www.access.gpo.gov/su_docs/fedreg/a020214c.html)> accessed March 19, 2002; for 2003

<<http://a257.g.akamaitech.net/7/257/2422/14mar20010800/edocket.access.gpo.gov/2003/pdf/03-3018.pdf>> accessed

April 10, 2003; for 2004 <<http://aspe.hhs.gov/poverty/04poverty.shtml>> accessed February 18, 2004;

for 2005 <<http://aspe.hhs.gov/poverty/05fedreg.pdf>> accessed February 23, 2005;

for 2006 <<http://aspe.hhs.gov/poverty/06fedreg.pdf>> accessed February 28, 2006;

for 2007 <<http://aspe.hhs.gov/poverty/07fedreg.pdf>> accessed January 26, 2007;

for 2008 <<http://aspe.hhs.gov/poverty/08fedreg.pdf>> accessed January 25, 2008;

for 2009 <<http://aspe.hhs.gov/poverty/09fedreg.pdf>> accessed January 26, 2009;

for 2010 <<http://aspe.hhs.gov/poverty/10poverty.shtml>> accessed August 3, 2010;

for 2011 <<http://aspe.hhs.gov/poverty/11poverty.shtml>> accessed March 16, 2011;

for 2012 <<http://aspe.hhs.gov/poverty/12poverty.shtml>> accessed March 27, 2012;

for 2013 <<http://aspe.hhs.gov/poverty/13poverty.cfm>> accessed May 15, 2013;

for 2014 <<http://aspe.hhs.gov/poverty/14poverty.cfm>> accessed February 21, 2014;

for 2015 <<http://aspe.hhs.gov/poverty/15poverty.cfm>> accessed February 21, 2015; and

for 2016 <<https://federalregister.gov/a/2016-01450>> accessed February 1, 2016.

**Table 13.29-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR HONOLULU: 2000-2001 TO 2004-2005**

[Annual averages for two-year periods. The Consumer Expenditure Survey for 2005- 2006 was released by BLS on October 26, 2007; 2006- 2007 on November 25, 2008; 2007- 2008 on October 6, 2009; 2008- 2009 on October 5, 2010; 2009- 2010 on September 27, 2011; 2010- 2011 on September 25, 2012; 2011-2012 on September 10, 2013; 2012-2013 on September 9, 2014; and 2013-2014 on September 3, 2015 but Honolulu is no longer shown]

Item	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Average annual expenditures	43,024	43,458	44,505	48,339	54,937
Food	6,722	6,418	5,819	6,666	8,089
Food at home	3,935	3,879	3,269	3,592	4,231
Cereals and bakery products	582	542	462	499	556
Meats, poultry, fish, and eggs	1,152	1,182	866	860	1,090
Dairy products	345	336	287	317	335
Fruits and vegetables	765	750	630	693	831
Other food at home	1,091	1,069	1,024	1,223	1,419
Food away from home	2,788	2,539	2,549	3,075	3,858
Alcoholic beverages	554	489	357	367	463
Housing	13,903	14,207	15,156	15,874	17,400
Shelter	9,460	9,470	10,067	10,324	10,887
Owned dwellings	4,966	4,810	5,367	5,629	6,516
Rented dwellings	3,986	4,030	3,971	4,160	3,960
Other lodging	509	630	728	535	411
Utilities, fuels, & public services	2,182	2,200	2,492	2,606	2,813
Household operations	647	569	707	770	692
Housekeeping supplies	539	567	480	593	817
Household furn. & equipment	1,075	1,402	1,410	1,582	2,191
Apparel and services	1,761	1,597	1,467	1,467	2,157
Transportation	6,523	7,230	8,023	8,778	9,921
Vehicle purchases (net outlay)	2,329	3,040	3,724	4,356	4,768
Gasoline and motor oil	1,176	1,124	1,142	1,277	1,658
Other vehicle expenses	2,103	2,194	2,208	2,218	2,427
Public transportation	915	873	948	927	1,069
Health care	2,252	2,365	2,617	2,668	2,600
Entertainment	2,066	2,249	2,276	2,941	3,126
Personal care products & services	691	594	542	649	772
Reading	163	161	170	149	128
Education	864	1,088	1,040	1,020	1,320
Tobacco prod. & smoking supplies	247	297	300	270	241
Miscellaneous	763	759	831	825	861
Cash contributions	1,672	1,278	1,226	1,218	1,112
Personal insurance and pensions	4,844	4,727	4,684	5,447	6,746
Life & other personal insurance	636	641	607	554	520
Pensions and Social Security	4,208	4,086	4,076	4,893	6,226

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**Table 13.29-- AVERAGE ANNUAL EXPENDITURES AND OTHER  
CHARACTERISTICS OF CONSUMER UNITS, FOR HONOLULU:  
2000-2001 TO 2004-2005 -- Con.**

Item	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Number of consumer units	279,000	276,000	275,000	273,000	278,000
Consumer unit characteristics					
Income before taxes 1/	54,819	56,000	59,114	64,082	70,104
Age of reference person	52.9	53.9	53.7	52.1	51.8
Average number in consumer unit					
Persons	2.8	2.8	2.8	2.7	2.8
Children under 18	0.7	0.7	0.6	0.5	0.6
Persons 65 and over	0.4	0.5	0.5	0.4	0.4
Earners	1.5	1.4	1.4	1.5	1.5
Vehicles	1.6	1.6	1.6	1.7	1.8
Percent homeowner	52	53	57	57	61

1/ Components of income and taxes are derived from "complete income reporters" only through 2003. Beginning in 2004, income imputation was implemented. As a result, all consumer units are considered to be complete income reporters.

Source: U.S. Bureau of Labor Statistics, Selected Western Metropolitan Statistical Areas: Average Annual Expenditures and Characteristics, Consumer Expenditure Survey (annual)  
<<http://www.bls.gov/cex/csxmsa.htm>> accessed December 27, 2006.

**Table 13.30-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR SELECTED WESTERN METROPOLITAN STATISTICAL AREAS: 2004-2005**

[Annual averages for two-year periods. Number in units, unless otherwise specified. Expenditures in dollars. The Consumer Expenditure Survey for 2005- 2006 was released by BLS on October 26, 2007; 2006- 2007 on November 25, 2008; 2007- 2008 on October 6, 2009; 2008- 2009 on October 5, 2010; 2009- 2010 on September 27, 2011; 2010- 2011 on September 25, 2012; 2011-2012 on September 10, 2013; 2012-2013 on September 9, 2014; and 2013-2014 on September 3, 2015 but Honolulu is no longer shown]

Item	All consumer units in the West	Honolulu	Los Angeles	San Francisco	San Diego	Portland	Seattle	Anchorage	Phoenix	Denver
Average annual expenditures	50,305	54,937	55,760	60,992	59,805	50,313	54,027	59,427	49,009	49,996
Food	6,280	8,089	7,062	7,581	6,437	6,377	6,904	6,412	6,434	6,251
Food at home	3,580	4,231	3,876	3,909	3,462	3,557	3,908	3,713	3,599	3,789
Cereals and bakery products	467	556	492	519	458	453	475	457	470	511
Meats, poultry, fish, and eggs	843	1,090	976	888	761	783	840	846	859	886
Dairy products	406	335	411	445	404	432	457	437	415	428
Fruits and vegetables	635	831	749	772	606	650	666	605	632	619
Other food at home	1,228	1,419	1,248	1,285	1,233	1,239	1,469	1,369	1,222	1,344
Food away from home	2,701	3,858	3,185	3,672	2,976	2,820	2,996	2,698	2,835	2,462
Alcoholic beverages	517	463	485	628	613	526	781	636	585	635
Housing	16,828	17,400	19,911	22,885	21,484	16,039	17,483	18,764	14,719	15,772
Shelter	10,480	10,887	13,030	15,947	14,511	9,862	10,741	11,391	8,414	10,078
Owned dwellings	6,670	6,516	8,122	10,068	9,118	6,650	7,144	7,814	5,911	6,613
Rented dwellings	3,231	3,960	4,383	4,928	4,627	2,535	2,737	2,850	2,100	2,936
Other lodging	579	411	524	951	767	677	860	727	402	530
Utilities, fuels, and public services	2,795	2,813	2,908	2,711	2,767	2,878	2,769	3,228	3,057	3,013
Household operations	904	692	1,224	1,384	1,561	933	725	985	984	722
Housekeeping supplies	618	817	632	634	646	553	706	771	605	548
Household furn. & equipment	2,030	2,191	2,119	2,210	1,999	1,813	2,541	2,388	1,659	1,411
Apparel and services	1,954	2,157	2,386	2,382	1,935	1,822	1,833	1,820	1,876	1,755
Transportation	9,498	9,921	10,972	9,518	11,301	8,845	9,491	12,596	10,549	8,646
Vehicle purchases (net outlay)	4,268	4,768	4,996	3,347	5,681	3,964	3,897	6,082	5,490	3,529
Gasoline and motor oil	1,966	1,658	2,312	1,922	2,094	1,742	1,914	2,157	1,769	1,755
Other vehicle expenses	2,658	2,427	3,029	3,296	2,587	2,542	2,813	3,239	2,911	2,573
Public transportation	606	1,069	635	953	939	596	867	1,119	380	789

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**Table 13.30-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR SELECTED WESTERN METROPOLITAN STATISTICAL AREAS: 2004-2005 -- Con.**

Item	All consumer units in the West	Hono-lulu	Los Angeles	San Francisco	San Diego	Portland	Seattle	Anchorage	Phoenix	Denver
Health care	2,602	2,600	2,275	2,773	3,038	2,693	2,910	3,397	2,890	2,724
Entertainment	2,636	3,126	2,719	2,938	2,653	3,057	3,002	3,420	2,355	3,227
Personal care products and services	621	772	798	664	805	578	625	615	666	636
Reading	153	128	158	212	192	188	214	218	132	144
Education	1,039	1,320	960	1,107	1,245	1,200	1,217	842	739	1,573
Tobacco prod. & smoking supplies	239	241	179	143	136	344	236	440	373	308
Miscellaneous	910	861	848	1,014	940	1,303	1,004	1,227	786	1,010
Cash contributions	1,576	1,112	1,272	1,607	2,520	1,775	2,070	1,853	1,662	1,624
Personal insurance and pensions	5,451	6,746	5,736	7,538	6,507	5,565	6,256	7,187	5,243	5,689
Life and other personal insurance	343	520	298	336	423	367	346	581	400	240
Pensions and Social Security	5,108	6,226	5,438	7,202	6,084	5,198	5,910	6,606	4,843	5,449
Number of consumer units (in 1,000)	25,872	278	5,112	2,724	892	1,052	1,801	119	1,423	1,270
Consumer unit characteristics										
Income before taxes 1/	60,730	70,104	65,810	86,935	69,067	56,702	63,888	71,031	60,726	65,224
Age of reference person	47.0	51.8	46.9	47.0	50.1	47.9	47.8	45.8	45.7	45.6
Average number in consumer unit										
Persons	2.6	2.8	2.9	2.6	2.6	2.5	2.3	2.5	2.6	2.4
Children under 18	0.7	0.6	0.8	0.6	0.6	0.6	0.5	0.7	0.8	0.6
Persons 65 and over	0.3	0.4	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.3
Earners	1.4	1.5	1.5	1.4	1.4	1.4	1.5	1.5	1.3	1.4
Vehicles	2.1	1.8	1.9	1.8	1.9	2.2	2.4	2.5	1.8	1.9
Percent homeowner	62	61	58	56	63	63	66	71	70	64

1/ Components of income and taxes are derived from "complete income reporters" only through 2003. Beginning in 2004, income imputation was implemented. As a result, all consumer units are considered to be complete income reporters.

Source: U.S. Bureau of Labor Statistics, Selected Western Metropolitan Statistical Areas: Average Annual Expenditures and Characteristics, Consumer Expenditure Survey 2004-2005 <<http://www.bls.gov/cex/2005/msas/west.pdf>> accessed December 27, 2006.

**Table 13.31-- AVERAGE ANNUAL CONSUMER EXPENDITURES  
FOR HONOLULU: 2013-2014**

[In dollars and percent]

Category	Expenditures	Share
Average annual expenditures	62,489	100.0
Food	9,171	14.7
Food at home	5,587	8.9
Cereals and bakery products	547	0.9
Meats, poultry, fish, and eggs	1,676	2.7
Dairy products	567	0.9
Fruits and vegetables	1,095	1.8
Other food at home	1,702	2.7
Food away from home	3,584	5.7
Alcoholic beverages	697	1.1
Housing	26,980	43.2
Shelter	18,574	29.7
Owned dwellings	10,983	17.6
Rented dwellings	6,108	9.8
Investment and commercial properties	851	1.4
Lodging during trips	632	1.0
Utilities, fuels, and public services	4,552	7.3
Household operations	833	1.3
Housekeeping supplies	1,049	1.7
Household furnishings and equipment	1,972	3.2
Apparel and services	1,206	1.9
Transportation	8,714	13.9
Vehicle purchases (net outlay)	2,223	3.6
Gasoline and motor oil	1,803	2.9
Other vehicle expenses	2,881	4.6
Public and other transportation	1,808	2.9
Health care	3,610	5.8
Entertainment	1,567	2.5
Personal care products and services	602	1.0
Reading	102	0.2
Education	2,508	4.0
Tobacco products and smoking supplies	123	0.2
Miscellaneous	1,022	1.6
Cash contributions	1,068	1.7
Personal insurance and retirement savings	5,118	8.2
Life and other personal insurance	697	1.1
Retirement savings and social security	4,421	7.1
Addendum: on-line shopping	720	1.2

Source: Hawaii Department of Business, Economic Development & Tourism, Research & Economic Analysis Division, *Honolulu Consumer Spending: 2013-2014*, "Table 1. Average annual expenditures: Honolulu, 2013-2014" (April 2016)  
<[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Oahu\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Oahu_Survey_Final.pdf)> accessed June 16, 2016.

**Table 13.32-- AVERAGE ANNUAL CONSUMER EXPENDITURES  
FOR MAUI COUNTY: 2014**

[In dollars and percent]

<b>Category</b>	<b>Expenditures</b>	<b>Share</b>
Average annual household expenditures	65,197	100.0
Food	10,196	15.6
Food at home	7,186	11.0
Cereals and bakery products	738	1.1
Meats, poultry, fish, and eggs	2,078	3.2
Dairy products	765	1.2
Fruits and vegetables	1,488	2.3
Other food at home	2,116	3.2
Food away from home	3,011	4.6
Alcoholic beverages	1,024	1.6
Housing	26,277	40.3
Shelter	16,365	25.1
Owned dwellings	10,462	16.0
Rented dwellings	4,695	7.2
Investment and commercial properties	563	0.9
Lodging during trips	645	1.0
Utilities, fuels, and public services	5,444	8.4
Household operations	1,220	1.9
Housekeeping supplies	1,131	1.7
Household furnishings and equipment	2,116	3.2
Apparel and services	1,268	1.9
Transportation	10,226	15.7
Vehicle purchases (net outlay)	3,276	5.0
Gasoline and motor oil	1,887	2.9
Other vehicle expenses	2,919	4.5
Public and other transportation	2,144	3.3
Health care	4,646	7.1
Entertainment	1,738	2.7
Personal care products and services	754	1.2
Reading	114	0.2
Education	1,675	2.6
Tobacco products and smoking supplies	120	0.2
Miscellaneous	1,210	1.9
Cash contributions	1,154	1.8
Personal insurance and retirement savings	4,795	7.4
Life and other personal insurance	589	0.9
Retirement savings and social security	4,205	6.4
Addendum: On-line shopping	1,233	1.9

Source: Hawaii Department of Business, Economic Development & Tourism, Research & Economic Analysis Division, *Maui County Consumer Spending: 2014* (June 2016)  
 "Table 1. Average annual household expenditures: Maui County, 2014"  
[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Maui\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Maui_Survey_Final.pdf) accessed June 16, 2016.

**Table 13.33-- AVERAGE ANNUAL CONSUMER EXPENDITURES FOR HAWAII COUNTY: 2014**

[In dollars and percent]

Category	Expenditures	Share
Average annual expenditures	51,700	100.0
Food	7,420	14.4
Food at home	5,298	10.2
Cereals and bakery products	553	1.1
Meats, poultry, fish, and eggs	1,671	3.2
Dairy products	525	1.0
Fruits and vegetables	977	1.9
Other food at home	1,573	3.0
Food away from home	2,122	4.1
Alcoholic beverages	715	1.4
Housing	20,921	40.5
Shelter	13,006	25.2
Owned dwellings	8,941	17.3
Rented dwellings	3,006	5.8
Investment and commercial properties	469	0.9
Lodging during trips	589	1.1
Utilities, fuels, and public services	4,511	8.7
Household operations	613	1.2
Housekeeping supplies	877	1.7
Household furnishings and equipment	1,913	3.7
Apparel and services	873	1.7
Transportation	8,405	16.3
Vehicle purchases (net outlay)	2,173	4.2
Gasoline and motor oil	1,863	3.6
Other vehicle expenses	2,728	5.3
Public and other transportation	1,641	3.2
Health care	3,924	7.6
Entertainment	1,167	2.3
Personal care products and services	701	1.4
Reading	101	0.2
Education	1,603	3.1
Tobacco products and smoking supplies	78	0.2
Miscellaneous	900	1.7
Cash contributions	845	1.6
Personal insurance and retirement savings	4,046	7.8
Life and other personal insurance	492	1.0
Retirement savings and social security	3,554	6.9
Addendum: on-line shopping	943	1.8

Source: Hawaii Department of Business, Economic Development & Tourism, Research & Economic Analysis Division, *Hawaii County Consumer Spending: 2014*, "Table 1. Average annual household expenditures: Hawaii County, 2014" (June 2016)  
 <[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Big\\_Island\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Big_Island_Survey_Final.pdf)> accessed June 27, 2016.

**Table 13.34-- AVERAGE ANNUAL CONSUMER EXPENDITURES FOR  
KAUAI COUNTY: 2014**

[In dollars and percent]

Category	Expenditures	Share
Average annual expenditures	64,651	100.0
Food	9,638	14.9
Food at home	6,373	9.9
Cereals and bakery products	688	1.1
Meats, poultry, fish, and eggs	2,042	3.2
Dairy products	627	1.0
Fruits and vegetables	1,148	1.8
Other food at home	1,868	2.9
Food away from home	3,265	5.0
Alcoholic beverages	934	1.4
Housing	26,819	41.5
Shelter	17,293	26.7
Owned dwellings	11,004	17.0
Rented dwellings	5,094	7.9
Investment and commercial properties	460	0.7
Lodging during trips	734	1.1
Utilities, fuels, and public services	5,233	8.1
Household operations	773	1.2
Housekeeping supplies	1,284	2.0
Household furn. & equipment	2,236	3.5
Apparel and services	1,268	2.0
Transportation	10,836	16.8
Vehicle purchases (net outlay)	2,845	4.4
Gasoline and motor oil	2,553	3.9
Other vehicle expenses	3,061	4.7
Public and other transportation	2,376	3.7
Health care	4,261	6.6
Entertainment	1,398	2.2
Personal care products and services	911	1.4
Reading	99	0.2
Education	992	1.5
Tobacco prod. & smoking supplies	225	0.3
Miscellaneous	1,222	1.9
Cash contributions	1,650	2.6
Personal insurance and retirement savings	4,398	6.8
Life and other personal insurance	471	0.7
Retirement savings and social security	3,928	6.1
Addendum: on-line shopping	1,363	2.1

Source: Hawaii Department of Business, Economic Development & Tourism, Research & Economic Analysis Division, *Kauai County Consumer Spending: 2014*, "Table 1. Average annual household expenditures: Kauai County, 2014" (June 2016)  
<[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Kauai\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Kauai_Survey_Final.pdf)> accessed June 27, 2016.

**Table 13.35-- AVERAGE ANNUAL CONSUMER EXPENDITURES,  
BY COUNTY: 2014**

[As percent of total]

Category	Honolulu	Maui	Hawaii	Kauai
Average annual expenditures	100.0	100.0	100.0	100.0
Food	13.2	15.6	14.4	14.9
Alcoholic beverages	1.0	1.6	1.4	1.4
Housing	44.1	40.3	40.5	41.5
Apparel and services	1.9	1.9	1.7	2.0
Transportation	14.7	15.7	16.3	16.8
Health care	5.7	7.1	7.6	6.6
Entertainment	2.6	2.7	2.3	2.2
Personal care products and services	1.0	1.2	1.4	1.4
Reading	0.2	0.2	0.2	0.2
Education	4.0	2.6	3.1	1.5
Tobacco prod. & smoking supplies	0.2	0.2	0.2	0.3
Miscellaneous	1.7	1.9	1.7	1.9
Cash contributions	1.8	1.8	1.6	2.6
Personal insurance and retirement savings	8.0	7.4	7.8	6.8

Source: Hawaii Department of Business, Economic Development & Tourism, Research & Economic Analysis Division, *Maui County Consumer Spending: 2014* "Table 2. Share of expenditures for Honolulu and Maui County households: 2014" (June 2016) <[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Maui\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Maui_Survey_Final.pdf)> accessed June 16, 2016. Ibid. *Hawaii County Consumer Spending: 2014* "Table 2. Share of expenditures for Honolulu and Hawaii County households: 2014" (June 2016) <[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Big\\_Island\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Big_Island_Survey_Final.pdf)> accessed June 27, 2016; Ibid. *Kauai County Consumer Spending: 2014* "Table 2. Share of expenditures for Honolulu and Kauai County households: 2014" (June 2016) <[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Kauai\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Kauai_Survey_Final.pdf)> accessed June 27, 2016.

**Table 13.36-- PERSONAL CONSUMPTION EXPENDITURES, BY MAJOR TYPE OF PRODUCT: 1997 TO 2014**

[In millions of current dollars. Estimates for 1997-2012 revised from previous *Data Book*. When initially released these estimates were considered 'prototype' and users were invited to evaluate and submit comments. These data are now 'official'. Note: "Addenda: Other services, including net foreign travel"; "Net foreign travel"; "Foreign travel by U.S. residents", and "Less: Expenditures in U. S. by nonresidents" were included in the 'Prototype' estimates but are not available in this 'official' release]

Industry	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Personal consumption expenditures (PCE)	26,695	27,332	28,258	30,051	31,363	32,577	34,811	37,415	40,746	43,783	46,003	47,697	47,374	49,052	51,364	53,545	55,701	58,232
Goods	9,086	9,019	9,624	10,259	10,735	11,104	11,869	12,896	13,973	14,828	15,323	15,655	15,321	15,923	16,817	17,529	18,191	18,705
Durable goods	2,699	2,741	3,009	3,265	3,518	3,845	4,276	4,726	5,080	5,264	5,347	5,154	4,814	4,999	5,331	5,663	5,916	6,123
Motor vehicles & parts	886	932	1,045	1,161	1,266	1,471	1,675	1,747	1,747	1,676	1,622	1,339	1,202	1,229	1,323	1,430	1,532	1,614
Furnishings & durable household equipment	616	615	670	721	797	852	954	1,081	1,219	1,261	1,268	1,239	1,138	1,156	1,189	1,237	1,271	1,305
Recreational goods & vehicles	757	768	853	928	1,024	1,099	1,185	1,385	1,533	1,688	1,781	1,883	1,811	1,873	1,932	2,016	2,100	2,167
Other durable goods	440	426	442	455	431	423	461	514	582	639	676	693	664	741	887	980	1,013	1,036
Nondurable goods	6,387	6,278	6,615	6,994	7,217	7,259	7,593	8,170	8,892	9,564	9,976	10,501	10,507	10,924	11,486	11,867	12,275	12,582
Food & beverages purchased for off-premises consumption	2,621	2,575	2,694	2,815	2,985	3,062	3,136	3,341	3,611	3,833	4,025	4,250	4,430	4,568	4,707	4,821	5,020	5,119
Clothing and footwear	987	919	908	913	877	806	830	875	952	981	980	985	948	1,012	1,120	1,208	1,221	1,229
Gasoline & other energy goods	515	453	484	590	541	513	594	712	850	997	1,057	1,202	867	989	1,148	1,137	1,079	1,007
Other nondurable goods	2,264	2,331	2,529	2,676	2,814	2,879	3,034	3,243	3,480	3,753	3,914	4,064	4,262	4,355	4,511	4,701	4,955	5,227
Services	17,609	18,313	18,634	19,791	20,628	21,473	22,943	24,519	26,773	28,955	30,680	32,042	32,053	33,129	34,547	36,015	37,510	39,527
Household consumption expenditures (for services)	16,767	17,330	17,689	18,720	19,477	20,203	21,556	23,088	25,160	27,028	28,734	30,069	30,119	31,294	32,681	33,879	35,300	37,169
Housing and utilities	4,730	4,980	5,230	5,577	5,930	6,194	6,484	6,879	7,511	8,298	9,142	9,908	10,365	10,897	11,507	11,817	12,231	12,609
Health care	3,828	3,861	3,872	3,980	4,289	4,541	4,991	5,168	5,677	5,913	6,294	6,695	6,940	7,104	7,390	7,655	7,952	8,470
Transportation services	886	931	966	1,011	1,053	1,056	1,107	1,197	1,291	1,353	1,347	1,320	1,196	1,219	1,273	1,373	1,457	1,533
Recreation services	894	891	896	975	986	989	1,043	1,144	1,247	1,331	1,383	1,417	1,360	1,371	1,408	1,558	1,657	1,735
Food services & accom.	1,370	1,345	1,360	1,417	1,459	1,502	1,639	1,838	2,005	2,164	2,254	2,248	2,140	2,242	2,418	2,644	2,769	2,928
Financial services & insurance	1,964	2,025	2,163	2,354	2,274	2,361	2,487	2,736	3,007	3,181	3,420	3,479	3,326	3,534	3,630	3,585	3,791	4,011
Other services	3,094	3,297	3,203	3,405	3,486	3,560	3,804	4,126	4,421	4,789	4,894	5,002	4,792	4,929	5,056	5,247	5,442	5,882
Final consumption expenditures of nonprofit institutions serving households (NPISHs)	842	984	946	1,072	1,151	1,270	1,387	1,431	1,613	1,927	1,946	1,973	1,935	1,835	1,866	2,136	2,210	2,358
Gross output of nonprofit institutions	2,701	2,946	2,903	3,128	3,302	3,568	3,810	4,034	4,475	5,015	5,163	5,264	5,352	5,330	5,554	6,005	6,179	6,455
Less: Receipts from sales of goods & serv. by nonprof. inst.	1,859	1,963	1,958	2,057	2,151	2,298	2,424	2,604	2,862	3,088	3,217	3,292	3,417	3,495	3,687	3,869	3,969	4,096

Source: U.S. Bureau of Economic Analysis, Interactive Tables: Personal Income and Employment, Personal Consumption Expenditures, By State: 1997-2014 <<http://www.bea.gov/regional/index.htm#data>> accessed December 1, 2015. See also "Personal Consumption Expenditures, By State: 1997-2014" (December 1, 2015) <<http://www.bea.gov/newsreleases/regional/pce/2015/pdf/pce1215.pdf>> accessed December 1, 2015.

**Table 13.37-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA, BY MAJOR TYPE OF PRODUCT: 1997 TO 2014**

[In current dollars. Per capita PCE estimates are in current dollars, and reflect Census Bureau midyear population estimates available as of December 2014. When initially released by the U.S. Bureau of Economic Analysis in August, 2014, the 1997 to 2012 estimates were considered 'prototype' and users were invited to evaluate and submit comments. These data are now 'official']

Industry	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Personal consumption expenditures (PCE) per capita	22,032	22,492	23,348	24,763	25,582	26,280	27,823	29,378	31,519	33,429	34,965	35,803	35,178	35,963	37,268	38,445	39,533	41,021
Goods	7,499	7,422	7,952	8,454	8,756	8,958	9,486	10,126	10,809	11,321	11,646	11,751	11,376	11,674	12,202	12,586	12,911	13,177
Durable goods	2,228	2,256	2,486	2,691	2,870	3,102	3,417	3,711	3,930	4,019	4,064	3,869	3,575	3,665	3,868	4,066	4,199	4,313
Motor vehicles & parts	732	767	863	957	1,033	1,187	1,339	1,371	1,351	1,280	1,233	1,005	892	901	960	1,026	1,087	1,137
Furnishings & durable household equipment	508	506	554	594	650	687	763	849	943	963	964	930	845	847	863	888	902	920
Recreational goods & vehicles	624	632	705	765	836	887	947	1,088	1,186	1,288	1,354	1,413	1,344	1,373	1,402	1,448	1,491	1,527
Other durable goods	363	350	365	375	352	341	369	403	450	488	514	520	493	543	644	704	719	729
Nondurable goods	5,271	5,166	5,465	5,763	5,887	5,856	6,069	6,415	6,879	7,303	7,582	7,882	7,802	8,009	8,334	8,520	8,712	8,864
Food & beverages purchased for off-premises consumption	2,163	2,119	2,226	2,319	2,435	2,470	2,506	2,623	2,793	2,927	3,059	3,190	3,289	3,349	3,415	3,462	3,563	3,606
Clothing and footwear	815	756	750	753	715	650	663	687	736	749	745	739	704	742	812	867	866	866
Gasoline & other energy goods	425	373	400	486	441	414	475	559	658	761	803	902	644	725	833	816	766	710
Other nondurable goods	1,868	1,918	2,089	2,205	2,295	2,322	2,425	2,546	2,692	2,866	2,975	3,051	3,165	3,193	3,273	3,375	3,517	3,682
Services	14,533	15,070	15,396	16,309	16,826	17,322	18,337	19,252	20,711	22,108	23,319	24,052	23,801	24,289	25,066	25,859	26,622	27,845
Household consumption expenditures (for services)	13,839	14,260	14,615	15,426	15,887	16,297	17,229	18,129	19,463	20,636	21,840	22,571	22,365	22,943	23,712	24,325	25,053	26,183
Housing and utilities	3,904	4,098	4,321	4,595	4,837	4,997	5,183	5,402	5,810	6,336	6,949	7,437	7,696	7,989	8,349	8,484	8,681	8,882
Health care	3,160	3,177	3,199	3,280	3,498	3,663	3,989	4,058	4,392	4,514	4,784	5,025	5,153	5,208	5,362	5,496	5,644	5,966
Transportation services	731	766	798	834	859	852	885	940	999	1,033	1,024	991	888	894	923	986	1,034	1,080
Recreation services	738	733	740	804	805	798	834	898	965	1,017	1,051	1,064	1,010	1,005	1,022	1,119	1,176	1,222
Food services & accom.	1,131	1,107	1,123	1,168	1,190	1,212	1,310	1,443	1,551	1,652	1,713	1,688	1,589	1,643	1,755	1,899	1,965	2,063
Financial services & insurance	1,621	1,666	1,787	1,940	1,855	1,905	1,988	2,149	2,326	2,429	2,599	2,612	2,470	2,591	2,633	2,574	2,690	2,826
Other services	2,554	2,713	2,646	2,806	2,843	2,872	3,040	3,240	3,420	3,657	3,720	3,755	3,558	3,613	3,668	3,768	3,862	4,144
Final consumption expenditures of nonprofit institutions serving households (NPISHs)	695	809	781	883	939	1,025	1,108	1,123	1,248	1,471	1,479	1,481	1,437	1,345	1,354	1,534	1,569	1,661
Gross output of nonprofit institutions	2,229	2,425	2,399	2,578	2,693	2,879	3,045	3,168	3,462	3,829	3,924	3,952	3,974	3,908	4,029	4,312	4,386	4,547
Less: Receipts from sales of goods & serv. by nonprof. inst.	1,534	1,615	1,618	1,695	1,754	1,854	1,937	2,044	2,214	2,358	2,445	2,471	2,538	2,562	2,675	2,778	2,817	2,886

Source: U.S. Bureau of Economic Analysis, Interactive Tables: Personal Income and Employment, Personal Consumption Expenditures Per Capita, By State: 1997-2014 (December 1, 2015) <<http://www.bea.gov/regional/index.htm#data>> accessed July 28, 2016. See also "Personal Consumption Expenditures, By State: 1997-2014" (December 1, 2015)

**Table 13.38-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA FOR THE UNITED STATES AVERAGE, THE 50 STATES  
AND THE DISTRICT OF COLUMBIA: 1997 TO 2014**

[In current dollars. Estimates for 1997-2012 revised from previous *Data Book*. When initially released these estimates were considered 'prototype' and users were invited to evaluate and submit comments. These data are now 'official'. insight into household spending patterns across states and can be used for state-level analysis of consumer activity and household economic well-being by state and regional policy makers for fiscal analysis and by businesses targeting regional markets.

State	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
U.S. average	20,384	21,387	22,591	24,061	24,914	25,658	26,752	28,194	29,743	31,166	32,352	32,912	32,077	32,962	34,268	35,160	35,977	37,196
Hawaii	22,032	22,492	23,348	24,763	25,582	26,280	27,823	29,378	31,519	33,429	34,965	35,803	35,178	35,963	37,268	38,445	39,533	41,021
Hawaii as % of U.S.	108.1	105.2	103.4	102.9	102.7	102.4	104.0	104.2	106.0	107.3	108.1	108.8	109.7	109.1	108.8	109.3	109.9	110.3
Alabama	17,243	17,902	18,780	19,677	20,331	21,185	22,043	23,280	24,839	25,692	26,501	26,929	26,389	27,318	28,390	29,072	29,771	30,494
Alaska	23,320	24,245	25,544	27,471	28,884	30,650	32,282	34,073	36,041	37,647	39,275	40,775	40,052	40,915	42,632	43,568	44,740	46,229
Arizona	19,223	20,061	21,131	22,398	22,992	23,640	24,663	26,299	28,062	29,771	31,018	30,873	29,695	30,421	31,546	32,240	32,944	33,934
Arkansas	16,151	16,909	17,887	19,013	19,627	20,215	21,129	22,294	23,591	24,631	26,017	26,262	25,762	26,341	27,385	28,042	28,690	29,430
California	20,848	21,776	23,129	24,870	25,722	26,553	27,632	29,290	31,008	32,796	34,381	34,874	33,296	34,030	35,330	36,419	36,932	38,206
Colorado	22,605	23,926	25,575	27,578	28,546	28,887	29,856	31,260	32,745	33,946	35,107	35,447	34,183	34,622	35,992	36,830	37,699	39,216
Connecticut	25,122	26,605	28,186	29,551	30,730	31,884	33,050	35,110	37,213	39,210	40,738	41,513	40,405	41,360	42,586	43,180	44,157	45,844
Delaware	22,335	23,482	24,926	26,170	27,350	28,332	29,626	31,376	33,151	34,495	35,876	36,656	35,962	37,040	38,527	39,653	40,425	41,701
Dist. of Col.	29,397	30,036	31,338	33,111	34,805	36,582	38,549	40,829	43,140	44,763	47,267	49,342	48,128	49,715	51,383	52,219	53,242	55,141
Florida	20,445	21,401	22,252	23,710	24,553	25,090	26,140	27,712	29,446	31,153	32,135	32,315	31,359	32,310	33,646	34,374	35,207	36,397
Georgia	19,278	20,112	21,282	22,624	23,211	23,830	24,825	25,883	27,318	28,234	29,104	29,111	28,099	28,831	30,130	30,840	31,741	32,815
<b>Hawaii</b>	<b>22,032</b>	<b>22,492</b>	<b>23,348</b>	<b>24,763</b>	<b>25,582</b>	<b>26,280</b>	<b>27,823</b>	<b>29,378</b>	<b>31,519</b>	<b>33,429</b>	<b>34,965</b>	<b>35,803</b>	<b>35,178</b>	<b>35,963</b>	<b>37,268</b>	<b>38,445</b>	<b>39,533</b>	<b>41,021</b>
Idaho	17,608	18,335	19,401	20,676	21,197	21,761	22,731	24,167	25,907	27,438	28,470	28,824	27,730	28,639	29,780	30,750	31,628	32,553
Illinois	21,562	22,569	23,597	25,338	26,124	26,843	27,827	29,157	30,732	32,138	33,575	33,997	33,317	34,140	35,476	36,318	37,169	38,532
Indiana	19,271	20,219	21,327	22,465	23,198	23,882	24,820	26,331	27,586	28,565	29,392	29,973	29,214	30,147	31,334	32,308	32,867	33,758
Iowa	19,133	20,130	21,231	22,448	23,025	23,547	24,610	26,089	27,336	28,604	29,608	30,652	30,410	31,227	32,741	33,515	34,175	35,258
Kansas	18,606	19,671	20,833	22,122	22,879	23,338	24,393	25,759	26,982	28,416	29,617	30,453	29,757	30,333	31,785	32,649	33,542	34,662
Kentucky	17,506	18,379	19,348	20,574	21,137	21,848	22,766	23,966	25,253	26,415	27,082	27,655	27,473	28,434	29,644	30,601	31,129	31,775
Louisiana	17,065	17,896	18,663	19,629	20,378	21,063	22,040	23,180	24,117	27,065	28,059	28,529	28,093	28,938	30,161	31,168	32,056	32,979
Maine	20,843	22,274	23,690	24,919	26,133	27,283	28,718	30,519	32,158	33,659	35,060	36,033	35,693	36,873	38,050	38,832	39,779	41,148
Maryland	22,098	23,200	24,516	26,228	27,425	28,470	29,840	31,592	33,466	35,228	36,716	37,388	36,871	37,659	38,702	39,547	40,326	41,460
Massachusetts	25,397	26,769	28,220	30,408	31,831	32,652	34,198	36,327	38,421	40,316	41,494	42,644	41,721	43,062	44,306	45,325	46,223	48,020
Michigan	20,847	21,798	23,108	24,310	24,989	25,622	26,503	27,703	28,776	29,850	30,605	31,455	31,002	31,909	33,318	34,091	34,899	36,218
Minnesota	22,956	24,011	25,683	27,582	28,515	29,487	30,664	32,165	33,101	34,247	35,231	35,916	35,107	36,042	37,521	38,507	39,521	40,849
Mississippi	15,184	15,990	16,958	17,900	18,628	19,366	20,297	21,423	22,677	24,187	24,772	25,349	24,994	25,985	27,120	27,839	28,588	29,386
Missouri	20,437	21,359	22,513	23,624	24,477	25,412	26,315	27,271	28,419	29,233	30,300	31,253	30,854	31,476	32,755	33,729	34,370	35,052
Montana	18,219	19,223	20,395	21,670	22,773	24,018	25,294	26,923	28,657	30,367	32,174	33,200	32,180	33,202	34,537	35,796	37,077	38,518
Nebraska	19,397	20,288	21,408	22,733	23,813	24,439	25,759	27,272	28,756	29,910	31,132	32,020	31,364	32,416	33,966	34,866	35,763	36,857
Nevada	20,216	20,771	22,178	23,284	24,054	24,673	25,822	27,577	29,494	31,064	31,996	32,057	30,432	30,962	32,180	32,948	33,668	34,469
New Hampshire	23,889	25,171	26,662	28,412	29,536	30,583	32,466	34,628	36,650	38,218	39,495	40,563	39,975	40,963	42,733	43,653	44,890	46,633
New Jersey	24,263	25,521	26,863	28,768	30,219	31,897	33,605	35,223	37,082	39,175	40,500	41,085	40,238	41,048	42,173	43,146	44,055	45,496

Continued on next page.

**Table 13.38-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA FOR THE UNITED STATES AVERAGE, THE 50 STATES  
AND THE DISTRICT OF COLUMBIA: 1997 TO 2014 -- Con.**

State	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
New Mexico	17,816	18,683	19,659	20,729	21,556	22,308	23,365	24,934	26,373	27,707	28,861	29,916	29,200	29,889	31,083	32,008	32,772	33,943
New York	22,106	23,215	24,560	26,129	27,159	27,978	29,357	31,067	33,044	34,759	36,367	37,336	36,776	38,102	39,597	40,510	41,744	43,727
North Carolina	18,581	19,131	20,281	21,489	21,951	22,260	23,095	24,313	25,692	26,661	27,748	27,936	27,259	28,247	29,190	30,172	31,024	32,056
North Dakota	19,535	20,429	21,378	22,727	23,927	25,068	26,286	27,714	29,323	30,914	32,591	34,274	34,179	36,642	39,944	43,425	45,389	47,739
Ohio	19,786	20,839	21,999	23,391	24,224	25,082	26,151	27,152	28,390	29,264	30,375	30,803	30,254	31,213	32,467	33,415	34,222	35,333
Oklahoma	16,725	17,505	18,331	19,483	20,349	20,726	21,705	22,808	24,346	25,699	26,705	27,723	27,056	28,032	29,587	30,639	31,323	32,266
Oregon	20,837	21,744	22,976	24,304	24,855	25,622	26,557	28,327	29,841	31,403	32,545	32,801	31,655	32,326	33,586	34,338	35,278	36,767
Pennsylvania	20,304	21,368	22,607	24,121	25,180	26,030	27,424	28,812	30,242	31,539	32,820	33,817	33,353	34,389	35,778	36,670	37,481	38,609
Rhode Island	20,632	21,562	22,501	24,357	25,217	26,420	28,157	29,901	31,876	33,462	34,812	35,684	35,162	36,064	37,046	37,650	38,529	39,774
South Carolina	17,814	18,681	19,764	20,846	21,388	22,020	23,028	24,354	25,726	26,907	27,897	28,423	27,785	29,204	30,239	30,809	31,621	32,280
South Dakota	18,648	19,580	20,672	21,747	22,601	23,513	25,016	26,718	28,377	29,706	31,225	32,295	31,731	33,011	34,415	35,090	35,853	36,899
Tennessee	19,036	19,884	20,944	22,071	22,478	23,041	23,864	25,032	26,180	27,355	28,125	28,336	27,686	28,876	30,207	30,856	31,480	32,350
Texas	18,979	20,045	21,162	22,663	23,581	23,998	24,714	25,792	27,317	28,379	29,353	29,802	28,948	29,736	31,290	32,257	33,189	34,484
Utah	18,525	19,329	20,284	21,339	21,838	22,407	23,104	24,720	26,416	28,115	29,303	29,562	28,313	28,555	29,399	30,263	31,211	32,406
Vermont	22,231	23,337	24,549	26,100	27,584	28,714	30,090	32,109	34,064	35,638	36,929	38,194	37,825	39,182	40,752	41,604	43,088	44,768
Virginia	20,410	21,598	23,180	24,841	25,737	26,567	27,964	29,753	31,645	33,070	34,436	35,089	34,342	35,117	36,340	37,209	37,832	38,813
Washington	21,391	23,376	24,831	26,476	26,897	27,563	28,788	30,450	31,957	33,495	35,025	35,656	34,707	35,431	36,696	37,865	38,938	40,282
West Virginia	16,409	17,205	18,211	19,352	20,205	21,165	21,991	23,290	24,363	25,417	26,321	27,315	27,563	28,738	30,013	30,844	31,586	32,311
Wisconsin	20,092	21,078	22,381	23,591	24,550	25,360	26,604	28,037	29,392	30,772	31,790	32,592	32,037	32,741	33,851	34,318	35,203	36,290
Wyoming	19,303	20,445	21,679	22,990	23,932	24,889	26,359	28,201	30,252	32,651	34,552	36,025	33,551	34,412	36,186	36,903	37,615	39,076

Source: U.S. Bureau of Economic Analysis, Interactive Tables: Personal Income and Employment, Personal Consumption Expenditures, By State: 1997-2014 <<http://www.bea.gov/regional/index.htm#data>> accessed December 1, 2015. See also "Personal Consumption Expenditures, By State: 1997-2014" (December 1, 2015) <<http://www.bea.gov/newsreleases/regional/pce/2015/pdf/pce1215.pdf>> accessed December 1, 2015.

**Table 13.39-- TOP WEALTHHOLDERS: 1962 TO 2007**

[Top wealthholders are defined as persons with a gross estate in excess of specified amounts.  
All figures are estimates based on estate tax return samples]

Group and year	Number of top wealthholders	Millions of dollars		
		Total assets	Debts and mortgages	Net worth
Gross estate over \$60,000				
1962	11,323	1,908	231	1,677
1969	36,470	6,327	1,090	5,236
1972	53,700	7,866	1,369	6,497
Gross estate over \$120,000				
1976	39,000	7,436	1,546	5,890
Gross estate over \$325,000				
1982	20,300	14,767	3,523	11,244
Gross estate over \$500,000				
1982	8,700	10,864	2,919	7,946
1986	11,000	11,330	1,475	9,855
Gross estate over \$600,000				
1989	22,300	28,393	2,447	25,947
1992	32,280	39,198	3,543	35,655
1995	24,000	25,944	2,745	23,199
Gross estate over \$625,000				
1998	25,000	30,986	4,133	26,853
Gross estate over \$1 million				
1998 1/	7,000	21,163	1,745	19,418
2001 2/	13,000	33,729	4,342	29,387
Gross estate over \$1.5 million				
2004 2/	7,000	24,375	1,823	22,552
Gross estate over \$2.0 million				
2007 2/	7,000	78,954	3,353	75,601

1/ Number of wealthholders of debts and mortgages is 5,000.

2/ For 2001, 'Total assets', in \$1,000, were 'Financial assets' of \$16,124, 'All real estate' of \$15,928, and 'All other assets' of \$1,677; in 2004, \$11,903, \$10,647, and \$1,825; and in 2007, \$59,625, \$14,136, and \$5,193 respectively

Source: U.S. Internal Revenue Service, *Statistics of Income -1962, Personal Wealth* (1967), pp. 55-56; *Statistics of Income -1969, Personal Wealth* (1973), pp. 57-58; *Statistics of Income- 1972, Personal Wealth Estimated from Estate Tax Returns* (1976), table 33; and *Statistics of Income Bulletin, Summer 1983*, pp. 1-26, *Spring 1988*, pp. 31-46; *Spring 1990*, pp. 63-78; *Spring 1993*, pp. 105-121; *Winter 1997-98*, and *Winter 1999-2000*, Table 6. Also, <[http://www.irs.ustreas.gov/prod/tax\\_stats/soi/soi\\_bul.html](http://www.irs.ustreas.gov/prod/tax_stats/soi/soi_bul.html)> and for 1995 <[http://www.irs.treas.gov/prod/tax\\_stats/soi/est\\_pw.html/95PWART.EXE](http://www.irs.treas.gov/prod/tax_stats/soi/est_pw.html/95PWART.EXE)> accessed July 26, 2002; and *Winter 2002-2003 Issue, Personal Wealth 1998*, table 6 <<http://www.irs.ustreas.gov/pub/irs-soi/98pwart.pdf>> accessed September 28, 2003 and IRS Tax Stats "Top Wealthholders with Net Worth of \$1 Million or more by State of Residence: 1998", table 7, and Ibid. 2001, table 6 <<http://www.irs.gov/taxstats/article/0,,id=225455,00.html>> accessed September 18, 2006; "Top Wealthholders with Net Worth of \$1.5 Million or more by State of Residence: 2004", table 6 <<http://www.irs.gov/taxstats/article/0,,id=225455,00.html>> accessed August 25, 2008; Ibid. "Table 6 - Personal Wealth 2007: Top Wealth Holders with Net Worth of \$2.0 Million or More, Net Worth and Selected Assets, by State of Residence" <<https://www.irs.gov/uac/soi-tax-stats-personal-wealth-statistics>> accessed March 5, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.40--TOP WEALTHHOLDERS WITH NET WORTH OF \$1 MILLION OR MORE, NET WORTH AND SELECTED ASSETS, U.S. AND HAWAII: 2001, 2004, AND 2007**

[Wealthholders above \$1.0 million in 2001; \$1.5 million in 2004, and \$2.0 million in 2007. Data are estimates based on samples. Numbers are in thousands. Amounts are in millions of dollars]

Category	United States	Hawaii	Hawaii as percent of U.S.
2001			
Net worth: Number	3,510	13	0.4
Amount	11,275,755	29,387	0.3
Total assets: Amount	11,169,794	17,801	0.2
Financial assets: Number	3,506	13	0.4
Amount	9,611,914	16,124	0.2
All other assets: Number	3,241	11	0.3
Amount	1,557,880	1,677	0.1
All real estate: Number	3,085	12	0.4
Amount	2,207,780	15,928	0.7
2004			
Net worth: Number	2,196	7	0.3
Amount	9,721,133	22,552	0.2
Total assets: Amount	10,340,723	24,375	0.2
Financial assets: Number	2,194	6	0.4
Amount	6,622,433	11,903	0.2
All other assets: Number	2,042	5	0.3
Amount	1,441,099	1,825	0.1
All real estate: Number	1,974	7	0.4
Amount	2,277,191	10,647	0.7
2007			
Net worth: Number	1,841	7	0.4
Amount	11,627,389	75,601	0.7
Total assets: Amount	12,361,069	78,954	0.6
Financial assets: Number	1,838	6	0.3
Amount	7,717,780	59,625	0.8
All other assets: Number	1,717	6	0.3
Amount	2,125,608	5,193	0.2
All real estate: Number	1,654	7	0.4
Amount	2,517,681	14,136	0.6

Source: U. S. Department of Treasury, Internal Revenue Service, *Statistics of Income Bulletin, Winter 2002-2003 Issue*, "Personal Wealth, 2001", table 6 <<http://www.irs.gov/pub/irs-soi/01pwart.pdf>> accessed April 5, 2007; IRS Tax Stats "Top Wealthholders with Net Worth of \$1.5 Million or more by State of Residence: 2004", table 6 <<http://www.irs.gov/taxstats/article/0,,id=185880,00.html>> accessed August 25, 2008; Ibid. "Table 6 - Personal Wealth 2007: Top Wealth Holders with Net Worth of \$2.0 Million or More, Net Worth and Selected Assets, by State of Residence" <<https://www.irs.gov/uac/soi-tax-stats-personal-wealth-statistics>> accessed March 5, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.41-- NET WORTH OF RICHEST RESIDENTS: 2008 TO 2015**

Name	Residence	Age (yrs)	Net worth (million dollars)	Rank	Primary sources
2008 Omidyar, Pierre	Honolulu	41	6,300	54	Self made, launched Ebay on-line auction 1995, technology newspapers, cable TV)
2009 Omidyar, Pierre	Honolulu	42	5,500	40	Self made, launched Ebay on-line auction 1995, technology newspapers, cable TV)
2010 Omidyar, Pierre	Honolulu	43	5,500	47	Self made, launched Ebay on-line auction 1995, technology newspapers, cable TV)
2011 Omidyar, Pierre	Honolulu	44	6,200	50	Self made, launched Ebay on-line auction 1995, technology newspapers, cable TV)
2012 Omidyar, Pierre	Honolulu	45	8,200	42	Self made, launched Ebay on-line auction 1995, technology newspapers, cable TV)
2013 Omidyar, Pierre	Honolulu	46	8,500	47	Self made, launched Ebay on-line auction 1995, technology newspapers, cable TV)
2014 Omidyar, Pierre	Honolulu	47	8,200	59	Self made, launched Ebay on-line auction 1995, technology newspapers, cable TV)
2015 Omidyar, Pierre	Honolulu	48	8,400	57	Self made, launched Ebay on-line auction 1995, technology newspapers, cable TV)

Source: *Forbes*, "The Forbes 400 Richest Americans, 2006" <<http://www.forbes.com/400richest/>> accessed September 22, 2006; for 2008 accessed September 17, 2008; for 2009 accessed October 19, 2009; for 2010 <<http://www.forbes.com/wealth/forbes-400/list>> accessed October 1, 2010; for 2011 accessed September 21, 2011; for 2012 accessed September 19, 2012; for 2013 accessed October 3, 2013; for 2014 accessed March 18, 2015; and for 2015 accessed October 28, 2015.

## Section 14

# PRICES

This section presents indexes of consumer prices for Honolulu and for the United States, the implicit price deflator for gross domestic product, and comparisons of Honolulu living costs with those in other U.S. urban areas and cities in foreign countries. Other statistics on prices are reported in Sections 7, 16, 17, 18, 21, and 23.

The Honolulu Consumer Price Index has been compiled by the U.S. Bureau of Labor Statistics (BLS) since December 1963. This index measures the average change in prices of goods and services purchased by urban households. Prices are expressed as a percent of the average levels reported in the base period, 1982-1984.

Official comparisons of Honolulu and Mainland living costs are no longer being made on a regular basis. The annual four-person family budgets estimated by the BLS for Honolulu and the Mainland were discontinued after 1981. The unofficial estimates by the Bank of Hawaii were available for 1982-1998 but have seemingly also been discontinued. A comparison of prices in Hawaii and Washington, D.C., compiled for the U.S. Office of Personnel Management as a basis for cost of living adjustments for Federal employees is also included. These studies are subject to technical limitations and must be interpreted with considerable caution. Comparative indexes have been compiled by the U.S. Department of Defense for military personnel assigned to or in Hawaii on temporary duty.

No composite wholesale or producer price index is available for Hawaii. Average wholesale prices of agricultural products are reported in *Statistics of Hawaii Agriculture*, issued by the Hawaii Agricultural Statistics Service, and in various other publications of the Hawaii State Department of Agriculture. Wholesale price statistics of other commodities are seldom available. Periodic comparisons of individual or groups of products and services are sometimes compiled.

Data on prices and living costs for the nation as a whole and other areas are summarized in the *Statistical Abstract of the United States: 2012*, Section 14. Long-term trends for Hawaii are traced in *Historical Statistics of Hawaii*, Section 5.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#">14.01</a>	Implicit Price Deflator for Gross Domestic Product for Hawaii and United States: 1987 to 2015
<a href="#">14.02</a>	Regional Price Parities (RPPs), All Items, by State, and for Hawaii, by Component: 2008 to 2014
<a href="#">14.03</a>	Implicit Regional Price Deflator, by State: 2008 to 2014
<a href="#">14.04</a>	Consumer Price Index, for All Urban Consumers (CPI-U), All Items, for Honolulu and United States, 1940 to 2015
<a href="#">14.05</a>	Consumer Price Index - All Items, by Type of Consumer, for Honolulu: Semi-Annual and Annual Average, 1984 to 2015
<a href="#">14.06</a>	Consumer Price Index for All Urban Consumers (CPI-U), by Expenditure Category and Commodity and Service Product Group, for Honolulu: Annual Average, 2011 to 2015
<a href="#">14.07</a>	Relative Importance of Components in the Consumer Price Index, All Urban Consumers (CPI-U) for United States and Honolulu: December 2013 to 2015
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<a href="#">14.19</a>	Car Rental Rates for 30 Major United States Cities: Holiday Premium 2015
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<a href="#">14.21</a>	Cost of Living Global Rank for Selected Major Cities in the United States: 2006 to 2016
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<a href="#">14.23</a>	Pay Differentials and Cost of Living Indexes for Federal Employees in Hawaii Relative to Washington, D.C., by County: 1996 to 2016
<a href="#">14.24</a>	Cost of Living Allowance Indexes for Military in Hawaii Relative to Continental United States, by Island
<a href="#">14.25</a>	Per Diem Rates for Military in Hawaii, by Island or Installation

**Table 14.01-- IMPLICIT PRICE DEFLATOR FOR GROSS DOMESTIC PRODUCT FOR HAWAII AND UNITED STATES: 1987 TO 2015**

[Implicit price deflator is the ratio of current-dollar value of gross domestic product (GDP), to its corresponding chained-dollar value, multiplied by 100 and is shown at the 3-decimal level. Current dollar GDP is available for 1963 through 2015 (see Table 13.03) but Real (Chained- 2009 dollar) GDP is not available before 1987]

Year	Hawaii	United States	Year	Hawaii	United States
SIC 1997 = 100.000 1/			NAICS 2009 = 100.000 1/ 2/		
1987	74.972	76.506	1997	70.860	76.820
1988	77.483	78.970	1998	72.607	77.799
1989	80.307	82.050	1999	74.602	79.024
1990	83.046	85.140	2000	77.132	80.995
1991	86.420	88.154	2001	80.173	82.881
1992	88.478	90.322	2002	82.237	84.164
1993	91.482	92.824	2003	84.508	86.039
1994	93.343	94.848	2004	87.204	88.631
1995	95.477	96.820	2005	90.302	91.634
1996	97.427	98.453	2006	93.523	94.435
1997	100.000	100.000	2007	96.662	97.248
			2008	98.426	99.377
			2009	100.000	100.000
			2010	101.190	101.583
			2011	102.959	103.858
			2012	105.185	106.049
			2013	107.126	108.041
			2014	109.708	110.095
			2015	112.563	111.279

1/ There is a discontinuity in the GDP time series at 1997, occurring at the change from Standard Industrial Classification (SIC) industry definitions to North American Industry Classification System (NAICS) industry definitions. This discontinuity results from many sources, including differences in source data and different estimation methodologies. This data discontinuity may affect both the levels and the growth rates of the GDP estimates. Users of the GDP estimates are strongly cautioned against joining the two data series in an attempt to construct a single time series of GDP estimates for 1963 to 2011.

2/ 2007 to 2014 Current dollar and 1997 to 2014 Real \$2009 GDP for Hawaii and the U.S. were revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (June 14, 2016) <[http://www.bea.gov/iTable/index\\_regional.cfm](http://www.bea.gov/iTable/index_regional.cfm)> accessed June 14, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE,  
AND FOR HAWAII, BY COMPONENT: 2008 TO 2014**

[RPPs measure differences in price levels of goods and services across states for a given year and are expressed as percentage of the national price level set to 100.0. 2012 and 2013 revised from previous *Data Book*]

State	2008	2009	2010	2011	2012	2013	2014
Hawaii							
All items	118.1	117.1	117.2	116.9	117.8	117.6	116.8
Goods	106.1	106.8	107.1	108.5	109.3	109.3	108.9
Services: rents	167.5	164.6	159.2	157.3	159.1	158.7	158.4
Services: other	109.3	106.6	104.2	103.0	103.7	103.6	103.6
Alabama	87.6	87.5	87.9	87.7	88.1	87.8	87.8
Alaska	106.9	106.9	105.5	105.1	105.4	105.0	105.7
Arizona	100.6	100.1	98.6	97.9	97.1	96.6	96.4
Arkansas	86.9	86.6	87.7	87.6	87.8	87.7	87.5
California	113.1	112.9	113.6	113.4	112.9	112.7	112.4
Colorado	100.4	101.1	100.9	101.4	101.1	101.8	102.0
Connecticut	110.7	110.4	109.4	109.0	109.2	108.7	108.8
Delaware	102.0	103.2	102.8	101.8	101.2	101.0	101.9
District of Columbia	115.6	116.4	118.2	117.8	117.7	117.7	118.1
Florida	100.8	100.0	99.1	99.2	99.1	99.0	99.1
Georgia	93.5	93.1	92.3	91.9	92.2	92.0	92.0
<b>Hawaii</b>	<b>118.1</b>	<b>117.1</b>	<b>117.2</b>	<b>116.9</b>	<b>117.8</b>	<b>117.6</b>	<b>116.8</b>
Idaho	95.2	94.8	93.5	93.3	93.4	92.7	93.4
Illinois	100.2	100.9	100.9	101.1	100.7	100.7	100.7
Indiana	91.2	91.4	91.4	91.7	91.4	91.5	91.4
Iowa	88.6	89.0	89.2	90.0	90.2	90.5	90.3
Kansas	89.3	89.6	89.9	90.7	90.6	91.0	90.7
Kentucky	88.9	88.7	88.6	88.6	88.8	89.2	88.7
Louisiana	90.7	91.4	91.2	91.0	91.4	91.2	91.4
Maine	98.0	98.1	96.8	97.4	98.4	98.1	97.1
Maryland	110.3	111.3	111.0	110.9	110.1	110.3	110.3
Massachusetts	108.3	108.0	108.0	107.8	106.6	107.0	107.1
Michigan	95.4	95.2	94.7	94.6	94.5	94.4	94.1
Minnesota	97.4	97.7	97.1	97.2	97.6	97.6	97.6
Mississippi	86.4	85.8	86.7	86.8	86.5	87.0	86.7
Missouri	87.8	87.9	88.3	89.1	89.3	89.7	89.4
Montana	95.3	94.5	93.9	93.8	93.5	94.2	94.2
Nebraska	89.7	89.6	90.3	90.3	90.6	90.6	90.6
Nevada	100.8	100.7	99.9	99.8	98.7	98.3	97.7
New Hampshire	107.2	106.4	106.5	105.3	105.6	105.5	105.2
New Jersey	112.9	113.3	114.1	114.6	114.4	114.2	114.5
New Mexico	94.4	94.4	94.6	95.3	95.0	95.0	95.0
New York	115.1	115.3	115.2	115.2	115.3	115.4	115.7
North Carolina	92.0	92.1	91.3	91.5	91.7	91.8	91.7
North Dakota	88.5	89.0	89.2	89.7	91.0	91.6	91.5

Continued on next page.

**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE,  
AND FOR HAWAII, BY COMPONENT: 2008 TO 2014 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014
Ohio	90.0	89.3	89.8	89.7	89.4	89.4	89.3
Oklahoma	88.9	89.5	89.6	89.6	89.9	90.0	90.1
Oregon	98.3	98.9	98.5	98.5	98.7	98.8	99.0
Pennsylvania	98.2	98.2	98.5	98.4	98.4	98.7	98.2
Rhode Island	100.2	100.0	99.1	99.4	98.8	98.4	98.7
South Carolina	91.1	91.5	90.4	90.8	90.8	90.5	90.5
South Dakota	86.9	85.8	86.9	87.3	88.9	87.8	88.0
Tennessee	90.5	90.5	90.2	90.3	90.8	90.7	90.2
Texas	96.5	96.4	96.3	96.2	96.2	96.4	96.6
Utah	96.8	97.8	96.9	97.2	97.1	97.3	97.0
Vermont	100.4	100.6	99.5	99.9	100.8	100.4	101.2
Virginia	102.8	103.5	103.1	103.0	103.0	102.9	102.6
Washington	103.2	103.7	103.0	102.9	103.5	103.5	103.8
West Virginia	87.0	87.5	88.4	88.5	88.6	88.5	88.9
Wisconsin	93.0	92.9	92.8	93.3	93.5	93.3	93.4
Wyoming	96.1	96.1	95.9	96.7	95.8	95.6	96.2

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (July 7, 2016)  
 <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed July 7, 2016. See also  
 "Real Personal Income for States and Metropolitan Areas, 2014"  
 <<http://www.bea.gov/newsreleases/regional/rpp/2016/pdf/rpp0716.pdf>>.

**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE: 2008 TO 2014**

[Calculated as personal income divided by real personal income. Base year is 2009]

State	2008	2009	2010	2011	2012	2013	2014
Alabama	1/ 87.5	87.2	89.2	91.1	93.3	94.3	95.7
Alaska	106.6	106.6	107.0	109.3	111.7	112.8	115.2
Arizona	100.4	99.8	100.0	101.8	103.0	103.8	105.0
Arkansas	86.8	86.4	88.9	91.1	93.0	94.2	95.3
California	112.8	112.6	115.3	117.8	119.6	121.1	122.5
Colorado	100.2	100.8	102.4	105.4	107.2	109.3	111.1
Connecticut	110.4	110.1	111.0	113.3	115.7	116.8	118.6
Delaware	101.8	102.9	104.3	105.8	107.3	108.5	111.1
District of Columbia	115.4	116.1	120.0	122.4	124.7	126.4	128.7
Florida	100.6	99.7	100.5	103.2	105.0	106.4	108.1
Georgia	93.3	92.8	93.6	95.6	97.7	98.9	100.3
<b>Hawaii</b>	117.9	116.7	118.9	121.5	124.8	126.4	127.3
Idaho	95.0	94.5	94.9	97.0	99.0	99.6	101.8
Illinois	99.9	100.6	102.4	105.1	106.7	108.2	109.7
Indiana	91.0	91.1	92.7	95.3	96.8	98.3	99.6
Iowa	88.4	88.8	1/ 90.6	93.6	95.6	97.2	98.4
Kansas	89.1	89.4	91.2	94.2	96.1	97.8	98.8
Kentucky	88.7	88.4	89.9	92.1	94.1	95.8	96.7
Louisiana	90.5	91.1	92.5	94.6	96.9	98.0	99.6
Maine	97.8	97.8	98.2	101.2	104.3	105.4	105.8
Maryland	110.1	111.0	112.6	115.3	116.7	118.5	120.3
Massachusetts	108.1	107.7	109.6	112.0	112.9	114.9	116.7
Michigan	95.2	94.9	96.1	98.3	100.1	101.4	102.5
Minnesota	1/ 97.2	97.4	98.6	101.0	103.4	104.8	106.4
Mississippi	86.2	85.6	87.9	90.3	91.7	93.5	94.5
Missouri	87.6	87.6	89.6	92.6	94.7	96.3	97.5
Montana	95.1	94.2	95.3	97.5	99.1	101.1	102.6
Nebraska	89.5	89.4	91.6	93.8	96.0	97.4	98.8
Nevada	1/ 100.6	100.4	101.3	103.7	104.6	105.6	106.5
New Hampshire	107.0	106.1	108.0	109.5	111.9	113.4	114.7
New Jersey	112.7	113.0	115.8	119.1	121.2	122.7	124.8
New Mexico	94.2	94.2	96.0	99.0	100.7	102.1	103.6
New York	114.8	115.0	116.9	119.8	122.2	124.0	126.1
North Carolina	91.8	91.8	1/ 92.7	95.1	97.2	98.6	100.0
North Dakota	88.3	88.8	90.5	93.3	96.4	98.4	99.7
Ohio	89.8	89.0	91.1	93.2	94.7	96.0	97.3
Oklahoma	88.7	89.3	90.9	93.1	95.3	96.7	98.2
Oregon	1/ 98.1	98.6	1/ 100.0	102.4	104.6	106.1	107.9
Pennsylvania	98.0	97.9	100.0	102.3	104.3	106.0	107.0
Rhode Island	100.0	99.7	100.6	103.3	104.7	105.7	107.6
South Carolina	90.9	91.2	91.8	94.3	96.3	97.2	98.6
South Dakota	86.7	85.6	88.2	90.7	94.2	94.3	95.9
Tennessee	90.3	90.2	91.5	93.8	96.2	97.4	98.3
Texas	96.3	96.2	97.7	100.0	101.9	103.5	105.3
Utah	96.6	97.5	98.3	101.1	102.9	104.5	105.7
Vermont	100.2	100.3	1/ 101.0	103.9	106.9	107.9	110.3
Virginia	102.6	103.2	104.6	107.1	109.2	110.5	111.8
Washington	103.0	103.4	104.5	106.9	109.7	111.1	113.1
West Virginia	86.8	87.3	89.7	92.0	93.9	95.1	96.9
Wisconsin	92.8	92.6	94.2	96.9	99.1	100.2	101.8
Wyoming	95.9	95.8	97.3	100.5	101.5	102.7	104.8

1/ Individual deflators in 2008 to 2011, and 2012 and 2013 revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, Real State Personal Income (July 7, 2016)

<<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed July 7, 2016. See also

"Real Personal Income for States and Metropolitan Areas, 2014"

<<http://www.bea.gov/newsreleases/regional/rpp/2016/pdf/rpp0716.pdf>>.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES: 1940 TO 2015**

[1982-1984 average = 100. Excludes rent before 1963. U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007]

Year	Honolulu		United States	
	Annual average	Percent change from previous year	Annual average	Percent change from previous year
1940	14.7	(X)	14.0	0.7
1941	15.5	5.4	14.7	5.0
1942	17.6	13.5	16.3	10.9
1943	18.9	7.4	17.3	6.1
1944	19.2	1.6	17.6	1.7
1945	19.7	2.6	18.0	2.3
1946	21.0	6.6	19.5	8.3
1947	24.4	16.2	22.3	14.4
1948	25.7	5.3	24.1	8.1
1949	25.2	-1.9	23.8	-1.2
1950	24.3	-3.6	24.1	1.3
1951	25.7	5.8	26.0	7.9
1952	26.5	3.1	26.5	1.9
1953	26.7	0.8	26.7	0.8
1954	26.9	0.7	26.9	0.7
1955	27.3	1.5	26.8	-0.4
1956	27.7	1.5	27.2	1.5
1957	28.6	3.2	28.1	3.3
1958	30.0	4.9	28.9	2.8
1959	30.5	1.7	29.1	0.7
1960	31.3	2.6	29.6	1.7
1961	32.1	2.6	29.9	1.0
1962	32.8	2.2	30.2	1.0
1963	33.5	2.1	30.6	1.3
1964	33.7	0.6	31.0	1.3
1965	34.4	2.1	31.5	1.6
1966	35.3	2.6	32.4	2.9
1967	36.3	2.8	33.4	3.1
1968	37.7	3.9	34.8	4.2
1969	39.4	4.5	36.7	5.5
1970	41.5	5.3	38.8	5.7
1971	43.2	4.1	40.5	4.4
1972	44.6	3.2	41.8	3.2
1973	46.6	4.5	44.4	6.2
1974	51.5	10.5	49.3	11.0

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**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES: 1940 TO 2015 -- Con.**

Year	Honolulu		United States	
	Annual average	Percent change from previous year	Annual average	Percent change from previous year
1975	56.3	9.3	53.8	9.1
1976	59.1	5.0	56.9	5.8
1977	62.1	5.1	60.6	6.5
1978	66.9	7.7	65.2	7.6
1979	74.3	11.1	72.6	11.3
1980	83.0	11.7	82.4	13.5
1981	91.7	10.5	90.9	10.3
1982	97.2	6.0	96.5	6.2
1983	99.3	2.2	99.6	3.2
1984	103.5	4.2	103.9	4.3
1985	106.8	3.2	107.6	3.6
1986	109.4	2.4	109.6	1.9
1987	114.9	5.0	113.6	3.6
1988	121.7	5.9	118.3	4.1
1989	128.7	5.8	124.0	4.8
1990	138.1	7.3	130.7	5.4
1991	148.0	7.2	136.2	4.2
1992	155.1	4.8	140.3	3.0
1993	160.1	3.2	144.5	3.0
1994	164.5	2.7	148.2	2.6
1995	168.1	2.2	152.4	2.8
1996	170.7	1.5	156.9	3.0
1997	171.9	0.7	160.5	2.3
1998	171.5	-0.2	163.0	1.6
1999	173.3	1.0	166.6	2.2
2000	176.3	1.7	172.2	3.4
2001	178.4	1.2	177.1	2.8
2002	180.3	1.1	179.9	1.6
2003	184.5	2.3	184.0	2.3
2004	190.6	3.3	188.9	2.7
2005	197.8	3.8	195.3	3.4
2006	209.4	5.9	201.6	3.2
2007	219.504	4.8	207.342	2.8
2008	228.861	4.3	215.303	3.8
2009	230.048	0.5	214.537	-0.4
2010	234.869	2.1	218.056	1.6
2011	243.622	3.7	224.939	3.2
2012	249.474	2.4	229.594	2.1
2013	253.924	1.8	232.957	1.5
2014	257.589	1.4	236.736	1.6
2015	260.165	1.0	237.017	0.1

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**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS  
(CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES:  
1940 TO 2015 -- Con.**

X Not applicable.

Source: For Honolulu: 1940-1963 from surveys by Eugene Danaher and Hawaii State Department of Labor and Industrial Relations, cited in Hawaii State Department of Planning and Economic Development, *The Honolulu Consumer Price Index, 1940-1986* (Statistical Report 187, May 30, 1986), as shifted to 1982-1984 base. 1987-2015: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers [CPI-U] Honolulu and the United States <<http://www.bls.gov/cpi/home.htm>> accessed January 21, 2016.

**Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUAL AND ANNUAL AVERAGE, 1984 TO 2015**

[U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007]

Year	All urban consumers (CPI-U)			Urban wage earners and clerical workers (CPI-W)		
	Annual average	First half	Second half	Annual average	First half	Second half
1982-1984 = 100						
1984	103.5	102.5	104.4	104.3	103.0	105.5
1985	106.8	106.3	107.4	107.9	107.4	108.4
1986	109.4	108.9	109.9	110.3	109.9	110.7
1987	114.9	113.3	116.5	115.9	114.3	117.6
1988	121.7	120.1	123.4	122.8	121.1	124.5
1989	128.7	126.4	131.1	129.7	127.4	132.0
1990	138.1	135.5	140.8	138.9	136.3	141.6
1991	148.0	146.8	149.1	148.9	147.7	150.1
1992	155.1	153.9	156.4	155.9	154.6	157.2
1993	160.1	158.6	161.6	160.7	159.4	162.0
1994	164.5	163.4	165.7	164.7	163.5	165.8
1995	168.1	166.9	169.4	168.4	167.2	169.7
1996	170.7	170.5	171.0	171.0	170.8	171.2
1997	171.9	172.1	171.8	172.2	172.4	172.0
1998	171.5	172.0	171.0	171.6	172.3	171.0
1999	173.3	172.7	173.8	173.4	173.0	173.9
2000	176.3	175.9	176.7	176.5	176.0	176.9
2001	178.4	178.1	178.7	179.1	178.6	179.5
2002	180.3	180.1	180.4	180.6	180.4	180.7
2003	184.5	183.2	185.7	184.3	183.4	185.3
2004	190.6	189.2	191.9	190.2	188.8	191.5
2005	197.8	195.0	200.6	197.2	194.6	199.8
2006	209.4	206.4	212.3	208.5	205.6	211.4
2007	219.504	216.620	222.388	218.541	215.681	221.401
2008	228.861	227.334	230.387	228.344	226.738	229.950
2009	230.048	228.070	232.026	228.773	226.462	231.084
2010	234.869	233.822	235.916	234.020	233.089	234.951
2011	243.622	241.902	245.342	242.532	240.874	244.190
2012	249.474	248.646	250.303	248.569	248.003	249.135
2013	253.924	253.202	254.646	252.178	251.663	252.694
2014	257.589	255.989	259.190	254.757	253.417	256.098
2015	260.165	257.848	262.482	255.969	254.057	257.881

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**Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUAL AND ANNUAL AVERAGE, 1984 TO 2015 -- Con.**

Year	All urban consumers (CPI-U)			Urban wage earners and clerical workers (CPI-W)		
	Annual average	First half	Second half	Annual average	First half	Second half
Percentage change 1/						
1985	3.2	3.7	2.9	3.5	4.3	2.7
1986	2.4	2.4	2.3	2.2	2.3	2.1
1987	5.0	4.0	6.0	5.1	4.0	6.2
1988	5.9	6.0	5.9	6.0	5.9	5.9
1989	5.8	5.2	6.2	5.6	5.2	6.0
1990	7.3	7.2	7.4	7.1	7.0	7.3
1991	7.2	8.3	5.9	7.2	8.4	6.0
1992	4.8	4.8	4.9	4.7	4.7	4.7
1993	3.2	3.1	3.3	3.1	3.1	3.1
1994	2.7	3.0	2.5	2.5	2.6	2.3
1995	2.2	2.1	2.2	2.2	2.3	2.4
1996	1.5	2.2	0.9	1.5	2.2	0.9
1997	0.7	0.9	0.5	0.7	0.9	0.5
1998	-0.2	-0.1	-0.5	-0.3	-0.1	-0.6
1999	1.0	0.4	1.6	1.0	0.4	1.7
2000	1.7	1.9	1.7	1.8	1.7	1.7
2001	1.2	1.3	1.1	1.5	1.5	1.5
2002	1.1	1.1	1.0	0.8	1.0	0.7
2003	2.3	1.7	2.9	2.0	1.7	2.5
2004	3.3	3.3	3.3	3.2	2.9	3.3
2005	3.8	3.1	4.5	3.7	3.1	4.3
2006	5.9	5.8	5.8	5.7	5.7	5.8
2007	4.8	5.0	4.8	4.8	4.9	4.7
2008	4.3	4.9	3.6	4.5	5.1	3.9
2009	0.5	0.3	0.7	0.2	-0.1	0.5
2010	2.1	2.5	1.7	2.3	2.9	1.7
2011	3.7	3.5	4.0	3.6	3.3	3.9
2012	2.4	2.8	2.0	2.5	3.0	2.0
2013	1.8	1.8	1.7	1.5	1.5	1.4
2014	1.4	1.1	1.8	1.0	0.7	1.3
2015	1.0	0.7	1.3	0.5	0.3	0.7

1/ From same period in previous year.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (CPI-U) and Consumer Price Index-Urban Wage Earners and Clerical Workers (CPI-W), All Items  
<<http://www.bls.gov/cpi/home.htm>> accessed January 21, 2016.

**Table 14.06-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U),  
BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP,  
FOR HONOLULU: ANNUAL AVERAGE, 2011 TO 2015**

[Unless otherwise specified, 1982-1984 =100. U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007]

Group	2011	2012	2013	2014	2015
All items	243.622	249.474	253.924	257.589	260.165
Food and beverages	232.656	242.786	250.922	256.023	267.041
Food	233.256	243.315	250.720	256.204	267.643
Food at home	243.147	251.257	254.618	260.591	267.011
Food away from home	219.140	230.345	241.201	247.703	262.972
Alcoholic beverages	222.459	233.299	251.786	250.982	255.672
Housing	260.606	265.473	269.885	273.499	276.047
Shelter	277.348	280.702	285.979	289.519	298.217
Rent of primary residence	271.986	278.121	281.572	287.813	295.635
Owners' equiv. rent of prim. res. 1/	287.113	289.858	296.499	298.747	308.127
Fuel and utilities	335.109	360.247	363.734	375.685	329.285
Household energy 2/	305.047	327.002	326.966	334.996	267.540
Energy services 3/	300.711	322.344	322.311	330.151	262.786
Electricity	295.459	318.271	318.855	327.118	260.267
Utility (piped) gas service	336.101	341.478	328.520	331.538	267.090
Household furnishings & operation	153.134	153.086	153.196	151.278	149.060
Household furn. and supplies 4/	92.597	92.567	92.365	89.619	87.882
Apparel	118.394	121.481	119.011	111.141	108.893
Transportation	229.223	231.275	233.133	236.373	216.756
Private transportation	227.249	235.881	236.516	237.308	212.590
Transp. comm. less motor fuel 4/	99.657	100.044	101.351	103.454	105.039
Motor fuel	311.585	329.113	324.575	317.398	229.138
Gasoline (all types)	320.614	338.599	333.975	326.302	235.085
Gasoline, unleaded regular 5/	340.371	360.067	355.142	346.012	247.260
Gasoline, unleaded midgrade 5/ 6/	249.720	263.366	259.349	257.427	189.913
Gasoline, unleaded premium 5/	283.383	298.215	294.709	287.258	209.894
Medical care	324.180	334.441	345.184	351.763	378.876
Education and communication 7/	132.248	137.276	139.423	143.488	147.869
Educ. and comm. commodities 4/	90.121	92.119	89.320	87.708	85.036
Educ. and comm. services 4/	107.051	111.304	113.495	117.388	121.705
Recreation 7/	110.473	113.961	116.818	119.586	121.840
Other goods and services	433.536	440.428	447.178	457.958	478.634
Other goods 4/	107.441	109.548	109.832	113.828	118.403
Other personal services 4/	106.919	108.212	111.359	112.767	118.393
Commodity and service group					
All items	243.622	249.474	253.924	257.589	260.165
Commodities	192.510	198.400	200.602	201.057	197.792
Commodities less food & bev.	165.441	168.726	167.714	165.695	154.989
Nondurables less food & bev.	208.464	215.562	213.540	210.020	189.890
Durables	118.151	117.277	117.371	116.992	116.371
Services	288.467	294.510	300.849	307.192	314.368

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**Table 14.06-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U),  
BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP,  
FOR HONOLULU: ANNUAL AVERAGE, 2011 TO 2015 -- Con.**

Group	2011	2012	2013	2014	2015
Special aggregate indexes					
All items less shelter	229.363	236.406	240.466	244.165	243.833
All items less medical care	239.355	244.988	249.131	252.635	253.811
All items less energy	241.020	245.982	251.027	255.021	262.680
Energy	308.050	325.785	323.520	324.528	245.410
All items less food and energy	243.891	247.841	252.469	256.238	263.255
Commodities less food	167.835	171.385	171.027	169.051	158.807
Nondurables less food	209.303	216.645	215.900	212.561	193.935
Nondurables	221.716	230.568	233.677	234.514	230.105
Services less rent of shelter 1/	302.484	312.316	320.021	330.028	335.192
Services less medical care services	284.353	290.148	295.971	302.124	307.041

1/ Indexes on a December 1982=100 base.

2/ Historically and as returned via the online database called 'Fuels'.

3/ Previously called 'Gas (piped) and electricity'.

4/ Indexes on a December 2009=100 base.

5/ Special index based on a substantially smaller sample.

6/ Indexes on a December 1993=100 base.

7/ Indexes on a December 1997=100 base.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (CPI-U) All Items  
<<http://www.bls.gov/cpi/home.htm>> accessed January 21, 2016.

**Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX,  
ALL URBAN CONSUMERS (CPI-U), FOR THE UNITED STATES AND HONOLULU:  
DECEMBER 2013 TO 2015**

[Percent of all items. 2013 and 2014 are based on the 2011-2012 weights in the Consumer Expenditure Survey,  
and the 2015 on the 2013-2014 weights]

Group	2013 CPI-U		2014 CPI-U		2015 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu	U.S.	Honolulu
Relative importance of area	100.000	0.378	100.000	0.380	100.000	0.355
EXPENDITURE CATEGORY						
All items	100.000	100.000	100.000	100.000	100.000	100.000
Food and beverages	14.901	15.014	15.272	15.422	14.973	20.949
Food	13.891	14.046	14.257	14.482	14.015	20.002
Food at home	8.187	6.782	8.427	7.029	8.230	10.116
Cereals and bakery products	1.141	(NA)	1.138	(NA)	1.098	(NA)
Meats, poultry, fish, and eggs	1.859	(NA)	2.014	(NA)	1.876	(NA)
Meats, poultry, and fish	1.737	(NA)	1.880	(NA)	1.723	(NA)
Dairy and related products	0.860	(NA)	0.898	(NA)	0.846	(NA)
Fruits and vegetables	1.346	(NA)	1.379	(NA)	1.399	(NA)
Other food at home	2.027	(NA)	2.043	(NA)	2.033	(NA)
Food away from home	5.704	7.262	5.830	7.453	5.785	9.886
Alcoholic beverages	1.010	0.969	1.015	0.940	0.958	0.947
Housing	41.448	46.124	42.173	46.000	42.235	42.290
Shelter	32.029	37.579	32.711	37.578	33.150	35.506
Rent of primary residence	6.977	8.838	7.159	8.907	7.733	8.178
Tenants' and household insurance	0.358	(NA)	0.375	(NA)	0.350	(NA)
Owners' equivalent rent of residences	23.900	27.686	24.339	27.553	24.227	26.487
Owners' equivalent rent of primary res.	22.505	26.558	22.918	26.430	23.116	25.988
Lodging away from home	0.795	(NA)	0.839	(NA)	0.841	(NA)
Fuels and utilities	5.158	4.812	5.273	4.764	4.925	3.892
Household energy	3.980	3.259	4.051	3.143	3.768	2.342
Fuel oil and other fuels	0.275	(NA)	0.236	(NA)	0.180	(NA)
Fuel oil	0.173	(NA)	0.139	(NA)	0.093	(NA)
Propane, kerosene, and firewood	0.102	(NA)	0.097	(NA)	0.087	(NA)
Energy services 1/	3.705	3.195	3.815	3.079	3.588	2.263
Electricity	2.872	3.093	2.940	2.985	2.833	2.125
Utility (piped) gas service	0.834	0.101	0.875	0.093	0.755	0.139
Water & sewer & trash collection serv.	1.177	(NA)	1.222	(NA)	1.157	(NA)
Household furnishings and operations	4.262	3.723	4.189	3.657	4.160	2.893
Apparel	3.437	2.896	3.343	2.606	3.101	3.975
Men's and boys' apparel	0.866	(NA)	0.834	(NA)	0.789	(NA)
Women's and girls' apparel	1.504	(NA)	1.439	(NA)	1.250	(NA)
Footwear	0.710	(NA)	0.725	(NA)	0.696	(NA)
Infants' and toddlers' apparel	0.136	(NA)	0.135	(NA)	0.157	(NA)
Jewelry and watches	0.222	(NA)	0.211	(NA)	0.209	(NA)

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**Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX,  
ALL URBAN CONSUMERS (CPI-U), FOR THE UNITED STATES AND HONOLULU:  
DECEMBER 2013 TO 2015 -- Con.**

Group	2013 CPI-U		2014 CPI-U		2015 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu	U.S.	Honolulu
EXPENDITURE CATEGORY -- Con.						
Transportation	16.418	12.767	15.289	12.551	15.259	12.362
Private transportation	15.254	10.673	14.167	10.448	14.125	10.659
Motor fuel	5.065	3.960	3.979	3.793	3.048	2.040
Gasoline (all types)	4.979	3.930	3.904	3.764	3.000	2.039
Public transportation 2/	1.164	2.094	1.122	2.103	1.135	1.703
Medical care	7.551	7.331	7.716	7.441	8.375	7.480
Medical care commodities 3/	1.704	1.512	1.772	1.546	1.806	1.627
Medical care services 3/	5.847	5.819	5.944	5.895	6.569	5.853
Recreation	5.793	5.198	5.750	5.185	5.734	4.546
Education and communication	7.087	8.042	7.062	8.114	7.145	5.356
Other goods and services	3.365	2.617	3.394	2.681	3.177	3.041
Personal care	2.662	(NA)	2.676	(NA)	2.522	(NA)
COMMODITY AND SERVICE GROUP 4/						
All items	100.000	100.000	100.000	100.000	100.000	100.000
Commodities	38.942	33.718	37.880	33.560	36.856	38.968
Commodities less food and beverages	24.041	18.703	22.608	18.138	21.883	18.019
Nondurables less food and beverages	14.840	12.271	13.658	11.847	12.236	11.724
Durables	9.201	6.432	8.950	6.291	9.647	6.295
Services	61.058	66.279	62.120	66.440	63.144	61.032
SPECIAL AGGREGATE INDEXES 4/						
All items less shelter	67.971	62.417	67.289	62.422	66.850	64.494
All items less medical care	92.449	92.666	92.284	92.559	91.625	92.520
All items less energy	90.954	92.772	91.970	93.064	93.184	95.618
All items less food and energy	77.063	78.723	77.713	78.582	79.169	75.616
Energy	9.046	7.216	8.030	6.936	6.816	4.382
Commodities less food	25.050	19.672	23.623	19.078	22.841	18.966
Nondurables less food	15.849	13.239	14.673	12.787	13.194	12.671
Nondurables	29.740	27.285	28.930	27.269	27.209	32.673
Services less rent of shelter	29.387	29.019	29.784	29.178	30.343	25.738
Rent of shelter 5/	31.671	37.260	32.336	37.262	32.801	35.294
Services less medical care services	55.212	60.460	56.176	60.545	56.575	55.179

NA Not available.

1/ Until December 2010, called "Gas (piped) and electricity".

2/ For Honolulu, calculated as "Transportation" less "Private transportation".

3/ For Honolulu, "Medical care services" is calculated as "Services" less "Services less medical care services". Then "Medical care commodities" is calculated as "Medical care" less "Medical care services"

4/ The two U.S.-level categories are published in a single "Special aggregate indexes" category.

5/ For Honolulu, calculated as 'Services' less "Services less rent of shelter".

Source: U.S. Bureau of Labor Statistics, "Relative Importance of Components in the Consumer Price Indexes" (annual) tables 1, 2, and 7 <<http://www.bls.gov/cpi/home.htm>> accessed February 29, 2016.

**Table 14.08-- MEDIAN GROSS RENT AMOUNT AND AS PERCENTAGE OF HOUSEHOLD INCOME FOR THE UNITED STATES, THE 50 STATES, THE DISTRICT OF COLUMBIA, AND PUERTO RICO: 2014**

[Data based on sample. Rank of 1 indicates highest percentage. Areas in order of highest rank in 2014]

Area	Amount in dollars	Percentage of household income in past 12 months	
		Number	Rank
United States	934	31.0	(X)
Florida	1,003	34.2	1
<b>Hawaii</b>	<b>1,448</b>	<b>33.9</b>	<b>2</b>
Puerto Rico	467	33.8	(X)
California	1,268	33.6	3
Oregon	924	32.6	4
New York	1,148	32.5	5
Connecticut	1,076	31.9	6
Louisiana	801	31.8	7
New Jersey	1,202	31.5	8
Michigan	788	31.3	9
Rhode Island	934	31.3	9
Georgia	882	31.1	11
Alabama	717	31.0	12
South Carolina	791	31.0	12
Mississippi	711	30.9	14
Maryland	1,242	30.8	15
New Mexico	777	30.7	16
Alaska	1,183	30.6	17
Vermont	917	30.6	17
Pennsylvania	848	30.5	19
Tennessee	770	30.5	19
Colorado	1,020	30.4	21
Maine	776	30.4	21
North Carolina	803	30.4	21
Massachusetts	1,107	30.2	24
Illinois	905	30.1	25
Virginia	1,116	30.1	25
Washington	1,032	30.0	27
Arizona	916	29.8	28

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**Table 14.08-- MEDIAN GROSS RENT AMOUNT AND AS PERCENTAGE OF HOUSEHOLD INCOME FOR THE UNITED STATES, THE 50 STATES, THE DISTRICT OF COLUMBIA, AND PUERTO RICO: 2014 -- Con.**

Area	Amount in dollars	Percentage of household income in past 12 months	
		Number	Rank
Delaware	1,024	29.8	28
Indiana	753	29.8	28
Nevada	955	29.8	28
New Hampshire	994	29.8	28
Kentucky	678	29.7	33
District of Columbia	1,360	29.5	34
Texas	896	29.5	34
Minnesota	859	29.3	36
Missouri	754	29.2	37
Ohio	735	29.2	37
Arkansas	683	28.9	39
Wisconsin	782	28.9	39
Idaho	755	28.6	41
Montana	711	28.4	42
Utah	886	28.4	42
West Virginia	656	28.3	44
Kansas	773	28.2	45
Oklahoma	737	27.6	46
Iowa	711	27.0	47
Nebraska	742	26.6	48
South Dakota	647	25.6	49
North Dakota	728	25.3	50
Wyoming	792	25.3	50

X Not applicable.

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates for the United States and all states "B25064: Median Gross Rent (Dollars) Universe: Renter-occupied housing units paying cash rent <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> and "B25071: Median Gross Rent as a Percentage of Household Income in the Past 12 Months (Dollars)" Universe: Renter-occupied housing units paying cash rent" <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed December 9, 2015 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.09-- MORTGAGE STATUS, MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME, UNITED STATES AND HAWAII: 2012 TO 2014**

[Data based on a sample]

Category	United States	Hawaii
Specified owner-occupied		
2012	74,119,256	254,770
2013	73,843,861	252,999
2014	73,991,995	255,375
Specified owner-occupied with a mortgage		
2012: Number	48,726,257	172,799
Percent	65.7	67.8
2013: Number	47,498,648	171,544
Percent	64.3	67.8
2014: Number	47,174,889	169,261
Percent	63.8	66.3
Specified owner-occupied without a mortgage		
2012: Number	25,392,999	81,971
Percent	34.3	32.2
2013: Number	26,345,213	81,455
Percent	35.7	32.2
2014: Number	26,817,106	86,114
Percent	36.2	33.7
Median selected monthly owner costs (in dollars)		
With a mortgage: 2012	1,460	2,244
2013	1,436	2,220
2014	1,454	2,173
Without a mortgage: 2012	434	513
2013	439	484
2014	459	488
Median selected monthly owner costs as a percentage of household income		
With a mortgage: 2012	23.7	29.3
2013	22.8	27.6
2014	22.5	26.7
Without a mortgage: 2012	12.3	(1)
2013	11.8	(1)
2014	12.0	(1)

1/ Either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates for the United States and Hawaii, Universe: Owner-occupied housing units "B25081 Mortgage Status" (annual), "B25088 Median Selected Monthly Owner Costs (Dollars) by Mortgage Status" (annual), and "B25092 Median Selected Monthly Owner Costs as a Percentage of Household Income in the Past 12 Months" (annual) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed December 9, 2015; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.10-- MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME, FOR THE UNITED STATES, THE 50 STATES, AND FOR PUERTO RICO: 2012 TO 2014**

[In dollars and percent. Data based on a sample]

Area	Median selected monthly owner costs						Median selected monthly owner costs as a percentage of household income					
	With a mortgage			Without a mortgage			With a mortgage			Without a mortgage		
	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
United States	1,460	1,436	1,454	434	439	459	23.7	22.8	22.5	12.3	11.8	12.0
Alabama	1,104	1,093	1,119	326	332	344	21.3	20.7	21.0	11.1	10.6	10.9
Alaska	1,831	1,746	1,797	549	552	545	23.3	22.1	21.9	11.3	10.3	10.2
Arizona	1,320	1,277	1,273	370	368	368	23.6	22.6	21.7	10.9	10.5	10.2
Arkansas	975	979	995	309	313	331	20.2	19.9	19.7	10.7	(1/)	10.7
California	2,119	2,059	2,068	478	486	498	28.4	26.8	26.2	11.7	11.1	11.0
Colorado	1,551	1,516	1,536	400	407	416	23.5	22.4	22.1	10.1	(1/)	(1/)
Connecticut	2,027	1,986	1,994	806	792	835	25.5	24.3	23.9	16.5	16.3	15.8
Delaware	1,517	1,504	1,460	419	422	439	23.8	22.4	22.3	10.9	11.1	11.3
Dist. of Col.	2,262	2,236	2,194	542	636	637	23.3	22.1	21.0	(1/)	11.4	11.9
Florida	1,425	1,368	1,364	447	438	454	27.1	25.0	24.4	13.2	12.6	12.6
Georgia	1,331	1,288	1,285	375	372	391	23.1	22.2	21.6	11.4	10.8	11.1
<b>Hawaii</b>	<b>2,244</b>	<b>2,220</b>	<b>2,173</b>	<b>513</b>	<b>484</b>	<b>488</b>	<b>29.3</b>	<b>27.6</b>	<b>26.7</b>	<b>(1/)</b>	<b>(1/)</b>	<b>(1/)</b>
Idaho	1,174	1,142	1,138	323	335	341	23.6	22.6	21.6	(1/)	(1/)	(1/)
Illinois	1,618	1,565	1,584	545	553	579	24.2	23.1	22.6	13.6	13.0	13.2
Indiana	1,069	1,062	1,082	353	363	386	20.0	19.6	19.5	10.6	10.6	10.8
Iowa	1,140	1,118	1,173	403	424	448	20.0	19.2	19.4	11.5	10.9	11.7
Kansas	1,250	1,241	1,256	423	437	466	20.8	20.1	20.2	11.8	11.5	11.8
Kentucky	1,084	1,074	1,100	311	328	349	21.1	20.2	20.3	10.5	10.1	11.0
Louisiana	1,148	1,166	1,178	296	299	318	20.9	20.3	20.4	(1/)	(1/)	(1/)
Maine	1,300	1,268	1,322	456	460	491	23.8	22.9	23.0	13.6	13.7	14.1
Maryland	1,918	1,867	1,903	556	556	576	23.8	23.2	22.9	12.3	11.2	11.2
Massachusetts	2,010	1,976	2,014	681	684	716	24.4	23.8	23.3	14.9	14.3	14.3
Michigan	1,233	1,207	1,217	441	445	462	22.4	21.3	20.9	13.3	12.8	12.9
Minnesota	1,465	1,438	1,454	450	464	493	22.1	21.5	21.0	11.3	11.1	11.3
Mississippi	1,031	1,021	1,079	317	318	349	22.4	21.8	21.9	11.7	11.4	12.0
Missouri	1,176	1,162	1,187	376	385	407	21.6	20.8	20.7	11.8	11.5	11.7
Montana	1,233	1,259	1,251	371	380	381	22.9	22.4	22.8	11.6	10.7	10.9
Nebraska	1,229	1,226	1,261	449	465	472	20.7	20.3	20.3	12.0	11.7	12.1
Nevada	1,433	1,361	1,331	397	395	397	25.4	24.0	23.1	10.7	(1/)	(1/)

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**Table 14.10-- MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME, FOR THE UNITED STATES, THE 50 STATES, AND FOR PUERTO RICO: 2012 TO 2014 -- Con.**

Area	Median selected monthly owner costs						Median selected monthly owner costs as a percentage of household income					
	With a mortgage			Without a mortgage			With a mortgage			Without a mortgage		
	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
New Hampshire	1,828	1,778	1,828	716	725	745	25.8	24.2	23.9	16.7	16.4	16.1
New Jersey	2,342	2,296	2,313	930	945	959	27.7	26.4	25.7	18.6	17.6	17.3
New Mexico	1,193	1,193	1,195	311	318	324	23.1	22.5	22.4	(1/)	(1/)	(1/)
New York	1,967	1,956	1,982	683	679	709	25.3	24.6	24.5	15.1	14.5	14.6
North Carolina	1,209	1,205	1,224	351	358	373	22.3	21.6	21.5	11.7	11.3	11.8
North Dakota	1,205	1,207	1,267	394	420	433	18.9	18.5	18.1	(1/)	(1/)	(1/)
Ohio	1,215	1,209	1,211	417	425	448	21.7	21.0	20.5	12.4	11.9	12.3
Oklahoma	1,111	1,094	1,143	348	353	375	20.8	20.1	20.0	10.7	10.4	10.6
Oregon	1,544	1,502	1,500	449	455	466	25.6	24.2	23.8	12.7	12.4	12.2
Pennsylvania	1,382	1,373	1,400	474	481	502	22.6	21.9	21.8	13.5	13.1	13.2
Rhode Island	1,774	1,751	1,745	657	655	674	25.4	24.5	24.5	16.2	14.8	15.4
South Carolina	1,155	1,144	1,164	318	333	352	22.1	21.7	21.6	11.2	10.8	11.0
South Dakota	1,174	1,150	1,201	399	420	437	20.9	20.5	20.2	10.5	10.7	11.1
Tennessee	1,143	1,138	1,167	338	347	361	22.7	21.8	21.8	10.7	10.4	10.8
Texas	1,374	1,375	1,419	432	434	467	22.1	21.3	21.4	11.8	11.2	11.7
Utah	1,396	1,377	1,393	372	384	384	23.5	22.6	22.2	(1/)	(1/)	(1/)
Vermont	1,478	1,482	1,504	619	629	634	24.8	24.3	24.4	16.8	16.9	16.8
Virginia	1,670	1,645	1,664	396	414	435	23.1	22.5	22.1	10.6	10.3	10.3
Washington	1,715	1,667	1,673	493	498	507	25.0	24.0	23.4	12.1	11.6	11.4
West Virginia	931	939	945	278	288	292	19.2	19.5	18.8	(1/)	(1/)	(1/)
Wisconsin	1,376	1,352	1,373	507	516	535	23.0	22.4	22.1	13.6	13.4	13.5
Wyoming	1,297	1,330	1,311	365	376	384	20.6	20.9	20.4	(1/)	(1/)	(1/)
Puerto Rico	881	877	883	150	155	163	29.1	29.0	29.0	10.6	10.6	11.1

1/ Either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.

Source: U.S. Census Bureau, 2 American Community Survey 1-Year Estimates for the United States and Hawaii, Universe: Owner-occupied housing units "B25088 Median Selected Monthly Owner Costs (Dollars) by Mortgage Status" (annual), and "B25092 Median Selected Monthly Owner Costs as a Percentage of Household Income in the Past 12 Months" (annual) accessed December 9, 2015.

**Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2015**

[In percent change from previous period and number. Period ending December 31 unless otherwise indicated. The House Price Index is based on transactions involving conforming, conventional mortgages purchased or securitized by Fannie Mae or Freddie Mac. The HPI is a broad measure of the movement of single-family house prices. It serves as a timely, accurate indicator of house price trends at various geographic levels The HPI is a weighted, repeat-sales index, meaning that it measures average price changes in repeat sales or refinancings on the same properties]

State	One-year (percent)	Rank 1/	Five-year (percent)	Since 1991, 1st quarter (percent)
United States 2/	5.76	(X)	22.85	125.46
Nevada	12.72	1	59.05	99.27
Colorado	10.91	2	40.61	267.79
Idaho	10.69	3	34.11	157.04
Washington	10.69	4	27.60	182.02
Oregon	10.59	5	36.67	248.84
Florida	9.35	6	42.16	145.98
Arizona	8.65	7	52.83	161.70
<b>Hawaii</b>	<b>8.18</b>	<b>8</b>	<b>31.20</b>	<b>131.62</b>
Utah	7.96	9	30.08	224.91
Texas	7.63	10	32.84	146.22
Tennessee	7.47	11	22.73	122.20
South Carolina	7.46	12	18.05	111.86
California	7.12	13	46.91	135.33
West Virginia	6.72	14	15.85	118.03
North Carolina	6.58	15	13.87	108.69
Georgia	6.48	16	31.54	102.29
Michigan	6.13	17	32.35	91.75
Minnesota	5.86	18	19.81	148.01
Oklahoma	5.51	19	17.10	125.57
Maine	5.40	20	8.77	119.28
Louisiana	5.34	21	16.02	161.98
Missouri	5.24	22	16.35	108.10
Kentucky	5.20	23	12.40	110.99
Mississippi	5.19	24	11.92	92.90
Kansas	5.03	25	13.91	114.45
Rhode Island	4.69	26	7.94	98.71
New Hampshire	4.65	27	11.02	116.81
Ohio	4.64	28	15.75	76.34
Nebraska	4.61	29	21.04	127.46
Iowa	4.36	30	13.74	120.95
Massachusetts	4.33	31	15.35	148.50

Continued on next page.

**Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2015 -- Con.**

<b>State</b>	<b>One-year (percent)</b>	<b>Rank 1/</b>	<b>Five-year (percent)</b>	<b>Since 1991, 1st quarter (percent)</b>
Delaware	4.26	32	2.16	92.18
Indiana	4.01	33	14.61	79.44
North Dakota	3.99	34	36.24	206.47
Vermont	3.68	35	8.25	118.36
South Dakota	3.59	36	20.95	161.50
Wisconsin	3.58	37	8.67	123.60
Montana	3.47	38	21.96	242.30
Pennsylvania	3.07	39	8.66	102.82
District of Columbia	3.02	40	49.53	383.82
Wyoming	2.88	41	17.40	226.79
Illinois	2.72	42	7.04	86.90
Alaska	2.68	43	13.20	148.90
Maryland	2.67	44	10.22	128.95
New York	2.65	45	5.96	117.32
Virginia	2.60	46	12.98	135.40
New Jersey	2.11	47	2.41	122.58
Arkansas	1.67	48	14.22	101.09
New Mexico	1.14	49	4.68	118.67
Alabama	0.92	50	11.53	96.02
Connecticut	0.14	51	-0.24	67.00

X Not applicable.

1/ Rank based on one-year appreciation. The lower the rank, the higher the appreciation.

2/ United States figures based on weighted average of nine Census Divisions.

Source: Federal Housing Finance Agency (FHFA) "U.S. House Prices Rise 1.4 Percent in Fourth Quarter Quarter", pp. 14-15 (February 26, 2015) <<http://www.fhfa.gov/webfiles/26102/Q42013HPIreleasepacketfinal.pdf>> accessed February 29, 2016.

**Table 14.12-- COST OF LIVING ANALYSES FOR HONOLULU  
AND THE UNITED STATES AVERAGE: JULY 1, 2012**

[This formulation assumed consumption patterns vary according to earnings level. It compares the 'base city' to a the 'destination' using the same pattern but at the destination's prices. This profiles a cost-of-living model rental (approximates the rental equivalent of owner-occupied housing) situations for a family of 4, annual earnings of \$76,000, a 2,000 sq. ft. home, with 3 vehicles having a total value \$30,000 and driven a total of 30,000 miles annually. The Institute model may be considered as an evolution of the U.S. Department of Labor's "Urban Family of Four" model which the Bureau of Labor Statistics discontinued in 1981]

<b>Category</b>	<b>Honolulu</b>	<b>Percent of total</b>	<b>U.S. average</b>	<b>Percent of total</b>	<b>Honolulu indexed to U.S. average</b>
Total, earnings level #1	76,000	100.0	41,014	100.0	185.3
Goods and services	29,388	38.7	21,283	51.9	138.1
Consumables	20,850	27.4	14,212	34.7	146.7
Transportation	6,150	8.1	5,040	12.3	122.0
Health services	2,388	3.1	2,031	5.0	117.6
Rent, utilities, insurance	46,686	61.4	21,929	53.5	212.9
Income and payroll taxes	17,917	23.6	15,793	38.5	113.4
Miscellaneous 1/	-17,991	-23.7	-17,991	-43.9	100.0
Exhibit: monthly rent 2/	3,442	54.3	1,551	45.4	221.9
Total, earnings level #2	114,519	100.0	76,000	100.0	150.7
Goods and services	42,682	37.3	31,044	40.8	137.5
Consumables	29,031	25.4	19,722	26.0	147.2
Transportation	10,851	9.5	8,931	11.8	121.5
Health services	2,800	2.4	2,391	3.1	117.1
Rent, utilities, insurance	46,686	40.8	21,929	28.9	212.9
Income and payroll taxes	17,917	15.6	15,793	20.8	113.4
Miscellaneous	7,234	6.3	7,234	9.5	100.0
Exhibit: monthly rent 2/	3,442	36.1	1,551	24.5	221.9

1/ 'Miscellaneous' includes charitable contributions, tuition for dependents or child care, insurance premiums, personal savings, investments, credit card debt payments, vacations, etc. A negative value suggests that the spending pattern is 'too rich' for the earnings level.

2/ Percent of total is calculated based on annual rent.

Source: ERI Economic Research Institute, Relocation Assessor, "Relocation Analysis Report" (July 11, 2012) and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.13-- COST OF LIVING AMONG TOP STATES FOR BUSINESS  
CATEGORY RANKINGS: 2013 TO 2016**

[The CNBC survey scored all 50 states on as many as 60 measures of competitiveness developed with input from business groups including the U.S. Chamber of Commerce and the Center for Regional Economic Competitiveness. States received points based on their rankings in each metric. The metrics are in ten broad categories, weighted according to how frequently they are cited in state economic development marketing materials. A rank of 1 indicates most favorable. Sorted by 2016 category weights]

Component	2013			2014			2015			2016		
	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank
Overall	2,500	924	50	2,500	938	49	2,500	945	50	2,500	1,009	49
Workforce	300	101	45	300	87	49	400	162	46	400	165	48
Infrastructure 2/	350	66	50	350	107	43	350	94	49	350	116	46
Cost of doing business	450	94	48	450	49	49	350	45	50	350	45	50
Economy	375	185	41	375	189	34	340	123	3/ 42	340	181	25
Quality of life	300	272	1	300	277	1	325	310	1	325	295	1
Technology & innovation	300	81	45	300	110	33	250	93	3/ 36	250	90	38
Education	150	59	40	150	50	42	200	67	45	200	74	43
Business friendliness	200	59	40	200	58	44	160	35	44	160	27	46
Cost of living	50	1	50	50	2	49	75	2	50	75	2	50
Access to capital	25	6	39	25	9	33	50	14	37	50	14	37

1/ Weighting reevaluated for each study. See "Criteria & Categories For CNBC's Top States For Business for 2013" <<http://www.cnbc.com/id/100728441>> accessed July 15, 2013; "America's Top States for Business 2014: Our methodology" <<http://www.cnbc.com/id/101723185>> accessed June 27, 2014; for 2015 <<http://www.cnbc.com/id/102701598>> accessed June 26, 2015; and for 2016 <<http://www.cnbc.com/2016/06/23/americas-top-states-for-business-2016-our-methodology.html>> accessed July 12, 2016. "Category weight for Overall 2015" was revised from previous *Data Book*.

2/ Is variously 'Infrastructure' or 'Infrastructure & transportation'.

3/ Tied with Maine.

Source: CNBC "America's Top Ten States for Business: 2013" <<http://www.cnbc.com/id/100824779>> and "Hawaii" <<http://www.cnbc.com/id/100613938>> accessed July 15, 2013; for 2014 <<http://www.cnbc.com/id/101758236>> and "Hawaii" <<http://www.cnbc.com/id/101693434>> accessed June 27, 2014; and for 2015 <<http://www.cnbc.com/id/101747925>> and "Hawaii" <<http://www.cnbc.com/id/102570702>> and "Maine" <<http://www.cnbc.com/id/102573450>> accessed June 26, 2015; and for 2016 <<http://www.cnbc.com/2016/07/12/americas-top-states-for-business-2016-the-list-and-ranking.html>> and "Hawaii" <<http://www.cnbc.com/2016/07/12/top-states-for-business-49-hawaii.html>> accessed July 14, 2016.

**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,  
BY PROVIDER, BY STATE: 2014**

[Data collected during Child Care Aware of America's January 2015 survey of Child Care Resource and Referral State Networks. Some states used the latest state market rate survey]

State	Child care center			Family child care		
	Infant	4-year-old	School-age	Infant	4-year-old	School-age
Alabama	5,637	4,871	5,308	4,801	4,935	4,761
Alaska	10,957	7,652	6,471	8,536	10,030	5,981
Arizona	9,437	7,497	6,361	6,857	6,429	6,187
Arkansas	5,995	4,995	4,317	5,158	4,695	4,712
California	11,817	8,230	2,649	7,678	7,269	2,919
Colorado	13,154	9,882	5,022	8,862	8,192	4,272
Connecticut	13,880	11,502	5,323	10,003	9,540	4,297
Delaware	11,000	8,268	3,500	7,228	6,400	3,960
District of Columbia	22,631	17,842	13,623	16,006	13,668	8,457
Florida	8,694	7,668	3,962	9,718	8,853	4,227
Georgia	7,644	6,500	3,692	5,980	5,460	3,536
Hawaii	8,280	9,312	8,919	7,788	7,572	7,584
Idaho	7,200	6,924	4,661	6,195	5,533	4,066
Illinois	12,964	9,567	8,498	7,894	7,361	6,703
Indiana	8,918	6,760	4,719	6,825	5,564	3,057
Iowa	9,485	8,216	4,618	6,484	6,230	4,138
Kansas	11,201	7,951	3,588	6,761	5,941	1,997
Kentucky	6,294	5,499	5,557	5,419	5,378	5,209
Louisiana	5,747	4,914	1,104	4,843	4,667	2,027
Maine	9,512	6,870	4,439	6,870	6,605	3,765
Maryland	13,932	9,100	4,095	9,466	7,800	3,510
Massachusetts	17,062	12,781	3,414	10,666	10,000	3,955
Michigan	9,882	6,764	4,207	6,764	6,552	4,134
Minnesota	14,366	11,119	(NA)	7,882	7,163	(NA)
Mississippi	4,822	3,997	1,569	3,972	3,675	2,465
Missouri	8,632	9,308	4,602	5,720	4,940	3,081
Montana	9,062	7,922	7,778	7,270	6,839	6,815
Nebraska	7,926	6,843	6,455	5,813	5,724	5,724
Nevada	9,852	8,118	7,219	8,381	7,827	7,593
New Hampshire	11,810	9,457	4,798	9,152	8,262	3,280
New Jersey	11,534	9,546	3,475	8,699	7,790	3,268
New Mexico	7,942	7,098	3,286	6,359	5,996	3,051
New York	14,144	11,700	8,346	10,140	9,776	8,346

Continued on next page.

**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,  
BY PROVIDER, BY STATE: 2014 -- Con.**

State	Child care center			Family child care		
	Infant	4-year-old	School-age	Infant	4-year-old	School-age
North Carolina	9,255	7,592	3,801	6,939	5,920	3,700
North Dakota	8,217	7,511	(NA)	6,846	6,569	(NA)
Ohio	8,977	7,341	5,008	6,891	6,564	4,633
Oklahoma	6,788	5,123	3,936	5,051	4,544	3,552
Oregon	11,322	8,787	3,655	6,885	6,761	3,997
Pennsylvania	10,640	8,072	5,692	7,956	7,139	5,348
Rhode Island	12,867	10,040	5,409	10,040	9,247	5,945
South Carolina	6,475	4,651	2,257	4,584	4,045	1,846
South Dakota	5,661	4,804	4,005	4,734	4,544	3,538
Tennessee	5,857	4,515	1,838	4,773	4,064	1,887
Texas	8,759	6,730	3,216	6,634	5,200	2,646
Utah	8,641	6,612	6,012	6,492	5,724	5,388
Vermont	11,270	9,970	5,562	7,976	7,516	4,464
Virginia	10,458	7,957	3,399	8,139	6,625	2,763
Washington	12,733	9,588	4,521	9,466	7,801	3,758
West Virginia	7,926	5,813	6,605	5,813	5,284	5,284
Wisconsin	11,579	9,469	8,849	9,152	8,172	7,784
Wyoming	6,541	5,833	4,150	5,833	5,254	3,941

NA Not available.

Source: Child Care Aware of America, *Parents and the High Cost of Child Care 2015 Report*, "Appendix I: 2014 Average Annual Cost of Full-Time Child Care by State", pp. 53-54  
<<http://usa.childcareaware.org/wp-content/uploads/2016/05/Parents-and-the-High-Cost-of-Child-Care-2015-FINAL.pdf>> accessed July 13, 2016.

**Table 14.15-- HOUSING'S MOST EXPENSIVE 25 MARKETS AND MOST AFFORDABLE 25 MARKETS IN THE UNITED STATES: 2015**

[The Coldwell Banker "U.S. Home Listing Report" analyzes the average listing price of four-bedroom, two-bathroom properties on coldwellbanker.com listed between December 2014 and June 2015 from 81,417 listings in 2,722 markets]

Rank	Most expensive	Average listing price	Rank	Most affordable	Average listing price
1	Newport Beach, CA	2,291,764	1	Cleveland, OH	74,502
2	Palo Alto, CA	2,066,600	2	Riverdale, GA	79,223
3	Saratoga, CA	1,979,218	3	Wilkes-Barre, PA	79,480
4	Cupertino, CA	1,659,297	4	Detroit, MI	81,616
5	Los Gatos, CA	1,569,615	5	Alma, MI	90,523
6	Arcadia, CA	1,541,406	6	Gloversville, NY	91,406
7	San Mateo, CA	1,463,455	7	Euclid, OH	92,550
8	Sunnyvale, CA	1,447,411	8	Hastings, FL	95,267
9	Orono, MN	1,384,270	9	Flint, MI	95,482
10	Redwood City, CA	1,367,350	10	Lithonia, GA	95,750
11	San Francisco, CA	1,360,189	11	Geneva, NY	97,769
12	Santa Barbara, CA	1,328,700	12	South Euclid, OH	98,640
13	Pasadena/S. Pasadena, CA	1,317,808	13	Jamestown, NY	100,817
14	Greenwich, CT	1,290,921	14	Humboldt/Trenton, TN	101,908
15	Danville, CA	1,152,600	15	Fitzgerald, GA	101,932
16	Campbell, CA	1,140,905	16	Augusta, GA	102,266
<b>17</b>	<b>Honolulu, HI</b>	<b>1,133,400</b>	17	Escanaba, MI	102,992
18	Cambridge, MA	1,106,991	18	Griffin, GA	103,827
19	Moraga, CA	1,094,500	19	Kalamazoo, MI	105,470
20	Wellesley, MA	1,091,278	20	North Vernon, IN	106,095
21	Sherman Oaks, CA	1,087,600	21	Cheektowaga, NY	106,584
22	Medina, MN	1,067,479	22	Schenectady, NY	107,515
23	Mercer Island, WA	1,063,029	23	Calumet City, IL	108,133
24	Westport, CT	1,056,316	24	Buffalo, NY	110,429
25	Winchester, MA	1,049,739	25	Hephzibah, GA	111,494

Source: Coldwell Banker, "Coldwell Banker Real Estate Releases Most Extensive Home Listing Report in U.S., Ranking Average Home Price in 2,700 Markets " (November 10, 2015)  
 <<https://www.coldwellbanker.com/press-release/home-listing-report-press-report-cb-2015>>  
 accessed November 12, 2015.

**Table 14.16-- AVERAGE GASOLINE PRICE FOR THE UNITED STATES AND FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JULY 12, 2016**

[Over 120,000 retail gasoline self-serve stations are surveyed and updated daily. Prices are in dollars per gallon. Rank of 1 indicates highest price per gallon. Rank is among 50 states and District of Columbia]

Item	Regular	Mid	Premium	Diesel
Hawaii	2.823	2.917	3.007	4.082
Hawaii rank	2	3	3	1
U. S. average	2.217	2.487	2.726	2.362
Hawaii as percent of U.S. average	127.3	117.3	110.3	172.8
Alabama	2.007	2.313	2.602	2.254
Alaska	2.663	2.711	2.814	2.638
Arizona	2.241	2.434	2.625	2.300
Arkansas	2.010	2.257	2.512	2.203
California	2.871	3.005	3.111	2.798
Colorado	2.231	2.470	2.709	2.257
Connecticut	2.385	2.662	2.871	2.581
Delaware	2.091	2.423	2.650	2.210
District of Columbia	2.500	2.971	3.124	2.491
Florida	2.185	2.491	2.746	2.377
Georgia	2.080	2.368	2.627	2.338
<b>Hawaii</b>	<b>2.823</b>	<b>2.917</b>	<b>3.007</b>	<b>4.082</b>
Idaho	2.474	2.601	2.747	2.590
Illinois	2.273	2.616	3.005	2.378
Indiana	2.108	2.386	2.684	2.349
Iowa	2.207	2.221	2.632	2.353
Kansas	2.078	2.284	2.506	2.275
Kentucky	2.099	2.389	2.656	2.317
Louisiana	2.047	2.311	2.547	2.208
Maine	2.279	2.530	2.736	2.378
Maryland	2.206	2.558	2.785	2.320
Massachusetts	2.253	2.488	2.665	2.370
Michigan	2.228	2.513	2.829	2.409
Minnesota	2.125	2.303	2.548	2.329
Mississippi	2.000	2.268	2.534	2.162
Missouri	1.989	2.207	2.455	2.179
Montana	2.339	2.509	2.741	2.367
Nebraska	2.245	2.209	2.637	2.300
Nevada	2.566	2.721	2.859	2.584
New Hampshire	2.195	2.437	2.648	2.280
New Jersey	2.035	2.372	2.541	2.175
New Mexico	2.163	2.365	2.538	2.284
New York	2.395	2.641	2.845	2.551

Continued on next page.

**Table 14.16-- AVERAGE GASOLINE PRICE FOR THE UNITED STATES AND FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JULY 12, 2016 -- Con.**

State	Regular	Mid	Premium	Diesel
North Carolina	2.103	2.399	2.692	2.273
North Dakota	2.252	2.397	2.635	2.319
Ohio	2.067	2.357	2.648	2.388
Oklahoma	1.998	2.206	2.394	2.128
Oregon	2.539	2.697	2.858	2.593
Pennsylvania	2.366	2.600	2.820	2.663
Rhode Island	2.268	2.547	2.732	2.375
South Carolina	1.914	2.211	2.483	2.156
South Dakota	2.315	2.320	2.744	2.362
Tennessee	2.009	2.290	2.551	2.214
Texas	2.061	2.319	2.539	2.184
Utah	2.326	2.473	2.609	2.503
Vermont	2.293	2.537	2.781	2.440
Virginia	2.032	2.366	2.634	2.222
Washington	2.671	2.824	2.954	2.739
West Virginia	2.306	2.521	2.763	2.412
Wisconsin	2.282	2.604	2.963	2.406
Wyoming	2.294	2.463	2.683	2.417

Source: AAA's Daily Gas Prices, National Average, State Prices and Compare Prices <<http://gasprices.aaa.com/>> accessed July 13, 2016; and calculations by Hawaii of Business, Economic Development & Tourism.

**Table 14.17-- CENTRAL BUSINESS DISTRICT PARKING RATES FOR HONOLULU AND THE UNITED STATES AVERAGE: 2012**

[Survey only includes covered and underground garages in prime central business districts (CBD) in 56 markets in North America, with 44 of them in the U.S. Parking rate data were collected during the month of June 2012 and includes all relevant taxes. Sources include third parties, owners/operators and Colliers International. For reserved parking, the customer is guaranteed the same space for every entry. For unreserved parking, the customer is guaranteed a space upon entry. For daily parking, the customer is permitted to park for a full day and is not impacted by "early bird" restrictions]

Category 1/	Segment	Honolulu	United States average	Honolulu as percent of United States average
Monthly unreserved	Parking rate – high	255.00	226.84	112.4
Monthly unreserved	Parking rate – low	195.00	108.06	180.5
Monthly unreserved	Parking rate – median	230.00	166.26	138.3
Monthly reserved	Parking rate – high	395.00	273.41	144.5
Monthly reserved	Parking rate – low	287.96	137.67	209.2
Monthly reserved	Parking rate – median	350.00	196.21	178.4
Daily parking	Rate – high	75.00	27.13	276.4
Daily parking	Rate – low	21.00	9.64	217.8
Daily parking	Rate – median	42.00	17.19	244.3
Hourly parking	Rate – high	10.00	9.73	102.8
Hourly parking	Rate – low	1.50	2.71	55.4
Hourly parking	Rate – median	6.50	5.77	112.7
Garages offering additional services (percent)		5	23.2	21.6
Garages with waiting lists (percent)		5	6.2	80.6
Typical wait period (number of months)		2.0	9.3	(X)
Availability of parking		2/ Fair	(X)	(X)
Additional garages within next 24 months		-	11	(X)
Parking spots to be added		-	4,042	(X)

X Not applicable.

1/ 'Early Bird' refers to discounted parking offered to those that park before the work day begins. Both 'Early Bird' and 'Hourly metered parking' were tabulated separately in previous reports but not in 2009 to 2011.

2/ Refers to parking garages usually full Monday to Friday and on weekends during special events.

Source: Colliers International North America, "2012 CBD Parking rates, North America, Central Business District, Parking Rate Survey", <<http://www.colliers.com/Country/UnitedStates/Research>> accessed July 7, 2012 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.18-- TOP 50 CAR RENTAL DESTINATION RATES IN THE UNITED STATES: 2015**

[The table below compares car rental rates of 50 destinations in the United States. The prices shown reflect the average daily rate for the cheapest available rental car in each destination during the period spanning October 1, 2014 through September 30, 2015. Each city's main airport was chosen as the Pick-Up and Drop-Off location]

Rank	City and State	Rate (dollars)	Rank	City and State	Rate (dollars)
1	Philadelphia	65	26	Dallas	40
2	New York City	61	27	Buffalo	39
3	Detroit	58	27	Denver	39
3	Indianapolis	58	<b>29</b>	<b>Honolulu</b>	<b>38</b>
5	Austin	56	30	Minneapolis	37
6	Charlotte	55	30	San Antonio	37
7	Cincinnati	53	30	Salt Lake City	37
7	St. Louis	53	30	Atlanta	37
9	Baltimore	52	30	Pittsburgh	37
9	Cleveland	52	35	Sacramento	36
11	New Orleans	51	36	Oakland	35
11	Boston	51	37	Seattle	34
13	Kansas City	50	38	San Jose	33
14	Memphis	49	39	Savannah	32
14	Chicago	49	40	Las Vegas	31
14	Reno	49	41	Los Angeles	29
17	Nashville	48	41	Fort Lauderdale	29
17	Portland	48	41	Jacksonville	29
19	Tucson	47	41	San Diego	29
20	Milwaukee	46	45	Myrtle Beach	28
21	Anchorage	45	45	Tampa	28
21	Houston	45	47	Orlando	27
23	Albuquerque	44	48	San Francisco	26
24	Phoenix	41	48	Charleston	26
24	Washington	41	50	Miami	20

Source: CheapCarRental "The Most Expensive Car Rental Destinations in the USA" (October 1, 2015) <<http://www.cheapcarrental.net/press/usa2015.html>> accessed October 28, 2015.

**Table 14.19-- CAR RENTAL RATES FOR 30 MAJOR UNITED STATES CITIES: HOLIDAY PREMIUM 2015**

[The car rental rates of 30 major U.S. destinations were established during the main Christmas season, December 23–27, 2015, via a leading car rental comparison engine. Each city's main airport was chosen as the pick-up locale. Rank of 1 assigned to the highest car rental rate]

Rank	City	Rate (dollars)	'Holiday' premium (percent)
1	New York City	102	114
<b>2</b>	<b>Honolulu</b>	<b>83</b>	<b>87</b>
3	Fort Lauderdale	82	218
4	Denver	81	76
5	Boston	75	98
6	Tampa	65	233
7	Los Angeles	64	175
8	Albuquerque	61	214
9	Miami	59	321
10	Austin	56	26
11	Seattle	56	109
12	Phoenix	53	52
13	Las Vegas	51	153
14	Philadelphia	49	2
15	Orlando	49	155
16	Portland	47	-12
17	San Diego	45	66
18	San Francisco	45	47
19	Chicago	44	15
20	Nashville	44	-11
21	Detroit	42	-21
22	St Louis	40	-5
23	Atlanta	39	13
24	Dallas	34	-17
25	Houston	32	-3
26	Charlotte	30	-17
27	Washington	29	8
28	Minneapolis	28	93
29	San Antonio	27	-14
30	New Orleans	21	-57

Source: CheapCarRental "Albuquerque Car Renters to Pay Triple during Christmas Season" (December 15, 2015) <<http://www.cheapcarrental.net/press/christmas2015.html>> accessed December 28, 2015.

**Table 14.20-- AVERAGE ANNUAL AUTO INSURANCE RATES  
FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA:  
JUNE, 2012**

[Median car insurance rates are determined by a Quadrant Information Services and were based on actual customer profiles of online car insurance shoppers that can include multiple drivers, multiple vehicles and other variables. Income data are from the 2010 Census and car insurance data collected June 2012]

<b>Rank</b>	<b>State</b>	<b>Median price of annual car insurance</b>	<b>Median annual household income</b>	<b>Car insurance as percent of household income</b>
1	Michigan	4,490	56,101	8.00
2	Louisiana	2,912	52,456	5.55
3	Kentucky	2,292	50,392	4.55
4	West Virginia	2,074	48,927	4.24
5	Mississippi	1,840	45,484	4.05
6	Arkansas	1,722	47,049	3.66
7	Delaware	2,456	68,746	3.57
8	New York	2,334	65,897	3.54
9	Nevada	2,070	60,192	3.44
10	Florida	1,784	53,093	3.36
11	District of Columbia	2,570	77,514	3.32
12	South Carolina	1,682	51,704	3.25
13	Rhode Island	2,132	67,814	3.14
14	Arizona	1,724	55,353	3.12
15	New Jersey	2,556	82,427	3.10
16	Oklahoma	1,610	51,958	3.10
17	Georgia	1,632	55,209	2.96
18	South Dakota	1,772	59,987	2.95
19	Pennsylvania	1,828	61,890	2.95
20	Alabama	1,476	50,429	2.93
21	Tennessee	1,452	51,083	2.84
22	Minnesota	1,924	69,625	2.76
23	Missouri	1,550	56,214	2.76
24	Illinois	1,716	65,417	2.62
25	New Mexico	1,306	51,020	2.56
26	Texas	1,420	56,575	2.51
27	Montana	1,354	54,507	2.48
28	Idaho	1,290	52,342	2.47
29	Connecticut	1,984	81,246	2.44
30	Maryland	2,030	83,137	2.44
31	Kansas	1,480	61,013	2.43
32	Colorado	1,562	67,800	2.30
33	Indiana	1,268	55,368	2.29

Continued on next page.

**Table 14.20-- AVERAGE ANNUAL AUTO INSURANCE RATES  
FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA:  
JUNE, 2012 -- Con.**

<b>Rank</b>	<b>State</b>	<b>Median price of annual car insurance</b>	<b>Median annual household income</b>	<b>Car insurance as percent of household income</b>
34	Wisconsin	1,400	62,088	2.26
35	Nebraska	1,348	60,812	2.22
36	Vermont	1,380	62,575	2.21
37	Washington	1,458	67,328	2.17
38	North Dakota	1,384	65,207	2.12
39	Wyoming	1,394	65,841	2.12
40	Utah	1,270	61,618	2.06
41	Ohio	1,128	56,518	2.00
42	Maine	1,160	58,197	1.99
43	Virginia	1,444	72,476	1.99
44	California	1,304	65,481	1.99
45	New Hampshire	1,484	74,634	1.99
46	Iowa	1,202	60,917	1.97
47	Oregon	1,108	56,661	1.96
48	Alaska	1,348	76,962	1.75
<b>49</b>	<b>Hawaii</b>	<b>1,244</b>	<b>76,134</b>	<b>1.63</b>
50	North Carolina	860	52,920	1.63
51	Massachusetts	1,128	78,653	1.43

Source: CarInsurance.com "10 states where car insurance really bites your budget"  
<[http://www.carinsurancequotes.com/car\\_insurance-costs](http://www.carinsurancequotes.com/car_insurance-costs)> accessed July 30, 2012.

**Table 14.21-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2006 TO 2016**

[The survey, conducted in March, covers 214 cities worldwide and measures the comparative cost of over 200 items in each location, including housing, food, clothing, utilities, transportation, and entertainment costs. The higher the index, the lower the rank where a rank of 1 indicates the most expensive city. New York City = 100.0]

City and state	Global rank									
	2006	2008	2009	2010	2011	2012	2013 1/	2014 2/	2015	2016
Atlanta, GA	86	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	147	103	78
Boston, MA	84	(NA)	(NA)	(NA)	(NA)	(NA)	123	109	64	47
Chicago, IL	38	84	50	(NA)	(NA)	(NA)	(NA)	85	42	34
Cleveland, OH	110	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	167	133	110
Dallas, TX	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	125	77	62
Denver, CO	97	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Detroit, MI	122	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	160	122	103
<b>Honolulu, HI</b>	<b>67</b>	<b>77</b>	<b>41</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>117</b>	<b>97</b>	<b>52</b>	<b>37</b>
Houston, TX	76	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	143	92	75
Los Angeles, CA	29	55	23	55	(NA)	(NA)	(NA)	62	36	27
Miami, FL	39	75	45	(NA)	(NA)	(NA)	114	98	56	45
Minneapolis, MN	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	156	115	91
Morristown, NJ	84	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	132	88	71
New York City, NY	10	22	8	27	32	33	24	16	16	11
Pittsburgh, PA	113	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	162	130	112
Portland, OR	111	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	166	135	117
San Francisco, CA	34	78	34	(NA)	(NA)	(NA)	92	74	37	26
Seattle, WA	102	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	153	106	83
St. Louis, MO	103	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	161	130	108
Washington, DC	83	(NA)	(NA)	111	(NA)	(NA)	(NA)	92	50	38
White Plains, NY	34	89	31	(NA)	(NA)	(NA)	(NA)	81	71	61
Winston Salem, NC	124	(NA)	(NA)	197	(NA)	(NA)	(NA)	182	157	147

NA Not available.

1/ Originally not available in the 2013 News Release, the rankings were derived from data in the 2014 release.

2/ Many rankings were not originally available in the 2014 News Release, but were derived from the 2015.

Source: Mercer Human Resource Consulting, "Worldwide Cost of Living Survey 2006 – city rankings"

<<http://www.mercerhr.com/pressrelease/details.jhtml/dynamic/idContent/1142150>> accessed June 26, 2006;

Mercer, "Worldwide Cost of Living survey 2009 – City ranking" (July 7, 2009)

<<http://www.mercer.com/summary.htm?idContent=1311145>> accessed July 17, 2009; Ibid. "Worldwide Cost of Living Survey 2010 - City rankings" (June 29, 2010) <[http://www.mercer.com/costoflivingpr#City\\_rankings](http://www.mercer.com/costoflivingpr#City_rankings)>

accessed July 8, 2010; Ibid. 2011 (July 12, 2011) <[http://www.mercer.com/costoflivingpr#City\\_rankings](http://www.mercer.com/costoflivingpr#City_rankings)> accessed July 12, 2011; Ibid. "Worldwide Cost of Living Survey 2012 – city ranking" (June 12, 2012)

<[http://www.mercer.com/costoflivingpr#City\\_rankings](http://www.mercer.com/costoflivingpr#City_rankings)> accessed July 9, 2012; Ibid. 2013 "African, European, and Asian Cities Dominate the Top 10 Most Expensive Locations for Expatriates" (July 23, 2013)

<[http://www.mercer.com/costoflivingpr#City\\_rankings](http://www.mercer.com/costoflivingpr#City_rankings)> accessed July 30, 2013; Ibid. 2014, (July 10, 2014)

<[http://www.mercer.com/newsroom/cost-of-living-survey.html#City\\_rankings](http://www.mercer.com/newsroom/cost-of-living-survey.html#City_rankings)> accessed July 10, 2014;

"2015 Cost of Living Rankings" (June 17, 2015) <<http://www.mercer.com/newsroom/cost-of-living-survey.html>>

accessed July 2, 2015; Ibid. 2016 "Continued Demand for Mobility in the Global Workforce Challenged by Cost of Expatriate Packages" (June 22, 2016) <<http://www.mercer.com/newsroom/continued-demand-for-mobility-in-the-global-workforce-challenged-by-cost-of-expatriate-packages.html>> accessed July 12, 2016; and FinFacts "Global/

World Cost of Living Rankings - 2006-2007" <<http://www.finfacts.com/costofliving3.htm>> accessed July 14, 2006.

**Table 14.22-- TOP 10 MOST EXPENSIVE AND 10 CHEAPEST STATES TO LIVE: 2016**

[CNBC considered basic items in the most expensive and cheapest areas of the state. Average price data based on Council for Community and Economic Research C2ER Cost of Living Index, 2015 Annual Average]

Rank	State	Metro area 1/	Average home price	Half gallon of milk	Beef 2/	Monthly energy bill	Doctor visit
Most expensive							
1	Hawaii	Honolulu	925,922	3.85	11.77	504.25	116.77
2	New York	Manhattan	1,472,476	1.89	13.31	249.15	121.25
3	Delaware	Wilmington	329,684	2.28	11.25	206.57	88.33
4	California	San Francisco	978,744	2.77	11.33	210.92	125.52
5	Connecticut	Stamford	626,189	2.89	12.44	268.37	123.77
6	Alaska	Anchorage	535,915	2.46	12.73	3/ 549.42	174.00
7	Massachusetts	Cambridge	592,300	2.61	11.86	164.09	163.83
8	Rhode Island	Providence	399,678	3.22	11.97	210.24	149.00
9	New Hampshire	Manchester	362,849	2.81	11.15	243.35	149.18
10	New Jersey	Bergen-Passaic	521,477	2.46	12.02	184.66	99.07
Cheapest							
1	Mississippi	Jackson	236,935	2.24	10.58	133.24	96.18
2	Kentucky	Bowling Green	262,942	2.41	12.02	196.97	93.22
3	Arkansas	Little Rock	288,017	2.01	11.26	161.16	92.83
4	Alabama	Montgomery	275,856	2.46	10.88	181.58	78.67
5	Tennessee	Chattanooga	288,621	2.24	12.06	156.36	119.42
6	Oklahoma	Lawton	306,244	2.33	9.65	145.25	120.64
7	Idaho	Boise	258,125	1.76	9.95	140.44	128.96
8	Indiana	Evansville	262,150	1.66	11.51	182.62	90.56
9	Ohio	Akron	377,533	2.74	10.20	150.98	85.13
10	Michigan	Grand Rapids	243,878	1.85	11.52	159.83	95.33

1/ Average home price applies to indicated Metro area.

2/ One pound of ground beef in "Most expensive" and T-bone steak in "Cheapest" areas.

3/ Metro area for 'Monthly energy bill' is Fairbanks.

Source: CNBC, "America's Top States for Business - Most Expensive State to Live in 2016" (July 12, 2016)

<<http://www.cnbc.com/2016/07/12/americas-most-expensive-states-to-live-in-2016.html>> accessed July 14, 2016; and "Cheapest State to Live in 2016"

<<http://www.cnbc.com/2016/07/12/americas-cheapest-states-to-live-in-2016.html?slide=1>> accessed July 14, 2016.

**Table 14.23-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTY: 1996 TO 2016**

[As of July 12, 2016. Maui includes Kalawao]

<b>Effective or survey date</b>	<b>Allowance category</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Maui</b>	<b>Kauai</b>
<b>ALLOWANCE RATES</b>					
March 25, 1997	All employees 1/	22.50	15.00	22.50	22.50
December 2, 1997	All employees 1/	22.50	15.00	22.50	22.50
October 21, 1998	All employees 2/	25.00	15.00	22.50	22.50
October 3, 2000	All employees 3/	25.00	16.50	23.75	23.25
November 9, 2001	All employees 4/	25.00	16.50	23.75	23.25
June 30, 2008	All employees 5/	25.00	18.00	25.00	25.00
<b>COLA AND LOCALITY PAY RATES</b>					
January 1, 2009	COLA 5/ Locality rate 6/	25.00 0.00	18.00 0.00	25.00 0.00	25.00 0.00
January 1, 2010	COLA 6/ 7/ Payable locality rate 6/ Full locality rate 6/	20.94 4.72 14.16	14.26 4.72 14.16	20.94 4.72 14.16	20.94 4.72 14.16
January 1, 2011	COLA 6/ 8/ Payable locality rate 6/ Full locality rate 6/	16.07 11.01 16.51	9.76 11.01 16.51	16.07 11.01 16.51	16.07 11.01 16.51
January 1, 2012	COLA 6/ 8/ Payable locality rate 6/ Full locality rate 6/	12.25 16.51 16.51	6.24 16.51 16.51	12.25 16.51 16.51	12.25 16.51 16.51
January 1, 2016	COLA 6/ Locality rate 6/	12.05 16.81	6.05 16.81	12.05 16.81	12.05 16.81
<b>INDEXES</b>					
1996 Survey	Cost of Living Index 9/	121.95	111.89	121.36	121.36
1998 Survey	Cost Comparison Index 10/	124.51	110.89	120.32	117.19
2007 Survey	Cost of Living Index 11/	121.37	111.71	123.62	118.14
2007 Survey, 2008 adj.	Cost Comparison Index 11/	121.40	111.74	123.65	118.17

Continued on next page.

**Table 14.23-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTY: 1996 TO 2015 -- Con.**

1/ Interim Rule issued on March 25 and Final Rule issued on December 2, 1997.

2/ As Interim Rule on October 21 and as corrected on November 13, 1998. Final Rule published July 17, 2000, effective August 16, 2000. Current law prohibits reduction in COLA rates through December 31, 2000. As part of the COLA Research in the litigation Carabello et al vs United States and as requested by Congress, an Interim Rates and Survey Schedule was announced but not yet enacted. The rates, as of October 1, 2000, are raised for Hawaii and Maui to 16.50 and 23.75 percent respectively. The Interim Rates as well as those for Kauai may increase further depending upon the results of the 1998 price surveys and the surveys conducted under New Regulations. Also see OMP, Non-Foreign Area Cost-of-Living Allowances, Special COLA Research Announcement, July 17, 2000 and <<http://www.opm.gov/oca/cola/html/cola-n.htm>>.

3/ Interim rule and invitation for comment issued in Federal Register: Vol. 65, No. 192.

4/ Final rule issued in Federal Register: November 9, 2001 (Volume 66, Number 218).

5/ Final rule issued in Federal Register: May 29, 2008 (Volume 73, Number 104).

6/ As provided under the Nonforeign Area Retirement Equity Assurance Act of 2009 (NAREAA) (subtitle B of title XIX of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84, October 28, 2009)), the locality rate for each nonforeign area will be set at two-thirds of the applicable locality rate in January 2011 and the full applicable locality rate in January 2012. Employees in nonforeign areas, e.g. Hawaii, have corresponding reductions in their cost-of-living allowances (COLAs) when locality rates increase.

7/ 2010 COLA rates are also shown in the Compensation Policy Memorandum posted at <<http://www.chcoc.gov/Transmittals/TransmittalDetails.aspx?TransmittalID=2732>>.

8/ 2011 COLA rates are also shown in the Compensation Policy Memorandum posted at <<http://www.chcoc.gov/Transmittals/TransmittalDetails.aspx?TransmittalID=3300>>.

9/ Washington, D.C. living costs=100. Based on a survey of comparative costs for Federal employees in February 1996. The Survey was conducted and indexes calculated by Runzheimer International. The detailed methodology is described in the *Federal Register*: March 25, 1997.

10/ Similar explanation to footnote 8/ except the survey period was 1998 and publication in the Federal Register was July 17, 2000.

11/ Similar explanation to footnote 8/ except the survey period was 2007 and publication in the Federal Register was May 29, 2008.

Source: U.S. Office of Personnel Management, *Federal Register Online* via GPO Access <<http://www.wais.access.gpo.gov>>, Vol. 62, No. 57, March 25, 1997 (pp. 14187-14189); Vol. 62, No. 231, December 2, 1997 (pp. 63630-63631); Vol. 63, No. 203, October 21, 1998 (pp. 56430-56431); Vol. 63, No. 219, November 13, 1998 (p. 63385) and <<http://www.opm.gov/oca/cola/html/c-rates.html>> accessed May 15, 2000. OMP-announced Federal COLA Retro Settlement, 06-23-00 and further developments <<http://www.opm.gov/oca/compmemo/2000/2000-10.htm>>. OMP, Non-Foreign Area Cost-of-Living Allowances, Special COLA Research Announcement, July 17, 2000; OMP, Cost-of-Living Allowances Vol. 65, No. 192, October 3, 2000 (58901-58902) and <<http://www.opm.gov/oca/cola/html/c-rates.html>> accessed June 30, 2007; and *Federal Register*, Vol. 73, No. 104, May 29, 2008 (pp. 30727- 30734) <<http://edocket.access.gpo.gov/2008/pdf/E8-12020.pdf>> accessed May 29, 2008; OPM "Nonforeign Area Cost-of-Living Allowances" <<http://www.opm.gov/oca/cola/rates.asp>> accessed July 8, 2011; OPM, Memorandum for Heads of Executive Departments and Agencies "Executive Order for 2011 Pay Schedules" (December 20, 2010) <<http://www.chcoc.gov/Transmittals/TransmittalDetails.aspx?TransmittalID=3300>> accessed July 11, 2012; and OPM, "COLA and Locality Pay Rates in Nonforeign Areas 2009-2015" <<https://www.opm.gov/policy-data-oversight/pay-leave/pay-systems/nonforeign-areas/#url=COLA-Rates>> accessed July 22, 2015; "COLA and Locality Pay Rates in Nonforeign Areas 2016" <<https://www.opm.gov/policy-data-oversight/pay-leave/pay-systems/nonforeign-areas/#url=COLA-Rates>> accessed June 6, 2016.

**Table 14.24-- COST OF LIVING ALLOWANCE INDEXES FOR MILITARY IN HAWAII RELATIVE TO CONTINENTAL UNITED STATES, BY ISLAND**

[As of July 1, 2016. Index number continental United States=100]

<b>Effective date</b>	<b>Locality</b>	<b>Locality code 1/</b>	<b>Index</b>
June 1, 2016	Hawaii (island)	HI 001	126
May 1, 2016	Kauai	HI 003	134
May 1, 2016	Maui	HI 005	138
May 1, 2016	Molokai	HI 007	138
May 1, 2016	Oahu	HI 009	124
November 8, 1989	Other islands	HI 999	(1/)

1/ Locality Code is assigned by the Department of Defense to identify each area entitled to COLA. Location code "HI 999 - Other islands" is a valid location but COLA is not currently prescribed for this Hawaii location.

Source: U.S. Department of Defense, Defense Travel Management Committee, Overseas Cost-of-Living Program, "Changes Effective 1 July 2016, Table III - Cost-of-Living Allowance (COLA) Indexes", p.6 <[http://www.defensetravel.dod.mil/Docs/perdiem/browse/Allowances/Appendix\\_J\\_Overseas\\_COLA\\_Tables/2016-COLA-Indexes/07-01-16\\_COLA\\_Indices.pdf](http://www.defensetravel.dod.mil/Docs/perdiem/browse/Allowances/Appendix_J_Overseas_COLA_Tables/2016-COLA-Indexes/07-01-16_COLA_Indices.pdf)> accessed June 29, 2016.

**Table 14.25-- PER DIEM RATES FOR MILITARY IN HAWAII, BY ISLAND OR INSTALLATION**

[As of July 1, 2016. In dollars per day. To calculate a per diem rate: maximum lodging plus meals (local, proportional, or government) plus incidental rate (local or onbase) as specified in the travel orders. Once effective, the rates apply January 1 - December 31]

Locality	Maximum per diem rate 1/	Lodging	Local meals rate	Proportional meals rate	Local incidental rate 2/	Effective date
Camp H.M. Smith	300	177	98	56	25	April 1, 2016
EASTPAC Naval COMP TELE Area	300	177	98	56	25	April 1, 2016
Ft. DeRussey	300	177	98	56	25	April 1, 2016
Ft. Shafter	300	177	98	56	25	April 1, 2016
Hickam Air Force Base	300	177	98	56	25	April 1, 2016
Hilo (Island of Hawaii)	292	189	82	48	21	April 1, 2016
Honolulu	300	177	98	56	25	April 1, 2016
Isle of Hawaii: Hilo	292	189	82	48	21	April 1, 2016
Isle of Hawaii: Other	337	189	118	66	30	April 1, 2016
Isle of Kauai	460	325	108	61	27	April 1, 2016
Isle of Maui	393	259	107	61	27	April 1, 2016
Isle of Oahu	300	177	98	56	25	April 1, 2016
Joint Base Pearl Harbor- Hickam	300	177	98	56	25	April 1, 2016
Kapolei	300	177	98	56	25	April 1, 2016
Kekaha Pacific Missile Range Fac.	460	325	108	61	27	April 1, 2016
Kilauea Military Camp	292	189	82	48	21	April 1, 2016
Lanai	372	254	95	55	23	April 1, 2016
Lihue (Island of Kauai)	460	325	108	61	27	April 1, 2016
Lualualei Naval Magazine	300	177	98	56	25	April 1, 2016
Marine Corps Base Hawaii	300	177	98	56	25	April 1, 2016
Molokai	253	157	77	46	19	April 1, 2016
NAS Barbers Point	300	177	98	56	25	April 1, 2016
Pearl Harbor	300	177	98	56	25	April 1, 2016
PMRF Barking Sands	460	325	108	61	27	April 1, 2016
Schofield Barracks	300	177	98	56	25	April 1, 2016
Tripler Army Medical Center	300	177	98	56	25	April 1, 2016
Wheeler Army Airfield	300	177	98	56	25	April 1, 2016
Other 3/	292	189	82	48	21	April 1, 2016

1/ For reimbursement of subsistence expenses incurred during official OCONUS (Outside Continental United States) travel.

2/ The standard onbase incidental rate is \$3.50 OCONUS-wide.

3/ Use this rate if neither the city nor military installation is listed.

Source: U.S. Department of Defense, Defense Management Travel Office, "Maximum Per Diem Rates Outside The Continental United States Travel Per Diem Allowances, Effective 01 July 2016" <<http://www.defensetravel.dod.mil/site/perdiem.cfm>> accessed July 11, 2016. See also Per Diem Rates Query <<http://www.defensetravel.dod.mil/site/perdiem.cfm>>.

## Section 15

# **BANKING, INSURANCE, AND BUSINESS ENTERPRISE**

Statistics in this section relate to banks, savings and loans, and other financial institutions, insurance, fires, and business firms.

Sources for statistics on these subjects include the Hawaii State Department of Commerce and Consumer Affairs, the Hawaii State Department of Taxation, county fire departments, major island banks, local health insurance plans, and the Hawaii Credit Union League. The U.S. Census Bureau also provides data from their Economic Censuses, County Business Patterns, and Local Employment Dynamics programs. *Historical Statistics of Hawaii*, Sections 22 and 23, provides information for earlier periods. Comparable national data appear in Sections 15 and 25 of the *Statistical Abstract of the United States: 2012*.

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**Table 15.01-- NUMBER OF STATE CHARTERED FINANCIAL INSTITUTIONS:  
1998 TO 2015**

[Only state chartered banks are included in this table which differs from tables in the *Data Books* prior to 2009. Tables in the previous *Data Books* included both state and federally chartered banks. This table includes the main offices, but excludes out-of-State branches of Hawaii-based institutions. As of December 31 unless otherwise specified]

Year	Banks		Savings and loan associations		Financial services loan companies	
	Firms	Locations	Associations	Locations	Firms	Locations
1998	5	177	2	29	38	126
1999	5	173	2	29	35	103
2000	5	180	2	19	32	98
2001	5	182	2	19	33	93
2002	5	181	1	2	29	88
2003	5	178	1	2	29	93
2004	5	178	1	5	24	88
2005	4	169	1	4	22	96
2006	6	173	1	4	21	99
2007	6	172	1	4	17	67
2008	6	177	1	5	16	53
2009	6	174	1	5	14	51
2010	5	187	(NA)	(NA)	(NA)	(NA)
2011	5	190	(NA)	(NA)	(NA)	(NA)
2012	5	189	(NA)	(NA)	(NA)	(NA)
2013	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2014	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2015 1/	4	(NA)	(NA)	(NA)	2/ 8	(NA)

NA Not available.

1/ As of September 16, 2015.

2/ State regulated but may not be incorporated here so institution may not be state chartered.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Financial Institutions, "Comparative Statements of Conditions" (semi-annual) <<http://cca.hawaii.gov/dfi/>> accessed March 21, 2014, Financial Institutions - 09.15.15 <<http://cca.hawaii.gov/dfi/files/2012/11/Financial-Institutions-09.15.2015.pdf>> accessed June 13, 2016 and records.

**Table 15.02-- FINANCE AND INSURANCE SECTOR (NAICS 52): 2014**

[Excludes data on self-employed individuals, employees of private households, railroad employees, agricultural production employees and most government employees.  
 Statistics based on the 2012 North American Industry Classification System (NAICS)]

NAICS code	Major group	Establishments	Number of employees 1/	Annual payroll (\$1,000)
52	Total	1,446	19,244	1,195,750
522	Credit intermediation and related activities	690	10,273	573,010
5221	Depository credit intermediation	469	9,261	515,164
52211	Commercial banking	225	5,366	323,704
52212	Savings institutions	96	(2/)	(D)
52213	Credit unions	148	2,183	100,400
5222	Nondepository credit intermediation	106	618	40,676
52221	Credit card issuing	1	(3/)	(D)
52222	Sales financing	4	(4/)	1,519
52229	Other nondepository credit intermediation	101	575	37,910
522291	Consumer lending	8	47	2,251
522292	Real estate credit	70	419	31,285
522298	All other nondepository credit intermediation	22	107	4,302
5223	Activities related to credit intermediation	115	394	17,170
52231	Mortgage and nonmortgage loan brokers	52	130	10,114
523	Securities, commodity contracts, and other financial investments, and related activities	230	956	113,573
5231	Securities and commodity contracts intermediation and brokerage	110	(5/)	78,753
52311	Investment banking and securities dealing	5	(3/)	1,380
52312	Securities brokerage	97	534	76,586
5239	Other financial investment activities	120	371	34,820
52391	Miscellaneous intermediation	20	(3/)	4,180
52392	Portfolio management	47	195	18,782
52393	Investment advice	49	(3/)	8,639
524	Insurance carriers and related activities	523	8,012	508,954
5241	Insurance carriers	137	5,145	341,978
52411	Direct life health, & medical insurance carriers	67	3,708	239,208
524113	Direct life insurance carriers	38	465	50,080
524114	Direct health & medical insurance carriers	29	3,243	189,128
52412	Direct insurance (except life, health, and medical) carriers	70	1,437	102,770
5242	Agencies, brokerages, and other insurance related activities	386	2,867	166,976
52421	Insurance agencies and brokerages	346	2,122	122,939
525	Funds, trusts, and other financial vehicles	3	(4/)	(D)

Continued on next page.

**Table 15.02-- FINANCE AND INSURANCE SECTOR (NAICS 52):  
2014 -- Con.**

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 1,000 to 2,499 employees.

3/ 20 to 99 employees.

4/ 0 to 19 employees.

5/ 500 to 999 employees.

Source: U.S. Census Bureau, *2014 County Business Patterns*

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 25, 2016.

**Table 15.03-- CHARACTERISTICS OF THE FINANCE AND  
INSURANCE SECTOR (NAICS 52): 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census]

NAICS code	Kind of business	Establishments	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees 1/
52	Total	1,401	(2/)	1,144,625	18,686
522	Credit intermediation and related activities	680	(2/)	559,560	9,997
5221	Depository credit intermediation	481	(2/)	501,028	9,104
52211	Commercial banking	228	(3/)	311,657	5,468
52212	Savings institutions	96	(3/)	(D)	(4/)
52213	Credit unions	157	(D)	(D)	(4/)
5222	Nondepository credit intermediation	82	134,488	39,424	510
52222	Sales financing	2	(D)	(D)	(5/)
52229	Other nondepository credit intermediation	79	118,853	36,862	464
5223	Activities related to credit intermediation	117	70,750	19,108	383
52231	Mortgage and nonmortgage loan brokers	56	47,139	14,028	155
52232	Financial transaction, processing, reserve & clearinghouse activities	5	965	209	4
52239	Other activity related to credit intermediation	56	22,646	4,871	224
523	Securities, commodity contracts, and other finance investments and related activities	219	199,879	92,275	975
5231	Securities and commodity contracts intermediation and brokerage	104	123,731	55,836	543
52312	Securities brokerage	93	119,754	54,423	515
52313	Commodity contracts dealing	5	1,304	294	18
5239	Other financial investment activities	115	76,148	36,439	432
52391	Miscellaneous intermediation	21	12,951	3,832	59
52392	Portfolio management	48	35,371	19,101	188
52393	Investment advice	41	22,920	11,339	152
52399	All other financial investment activities	5	4,906	2,167	33
524	Insurance carriers and related activities	502	(2/)	492,790	7,714
5241	Insurance carriers	114	(3/)	324,279	4,668
52411	Direct life, health, and medical insure carriers	58	(3/)	(D)	(6/)
52412	Direct insurance (except life, health, and medical) carriers	56	(3/)	(D)	(4/)
5242	Agencies, brokerages, and other insurance related activities	388	624,866	168,511	3,046
52421	Insurance agencies and brokerages	342	425,207	124,170	2,303
52429	Other insurance related activities	46	199,659	44,341	743

Continued on next page.

**Table 15.03-- CHARACTERISTICS OF THE FINANCE AND  
INSURANCE SECTOR (NAICS 52): 2012 -- Con.**

D Withheld to avoid disclosing data for individual companies.

1/ Pay period including March 12.

2/ Not available or not comparable.

3/ Revenue not collected at this level of detail for multiestablishment firms.

4/ 1,000 to 2,499 employees.

5/ 20 to 99 employees.

6/ 2,500 to 4,999 employees.

Source: U.S. Census Bureau, 2012 Economic Census, EC1252A1: Finance and Insurance: Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 Hawaii (March 2015) <[http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?\\_ts=445486742893](http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?_ts=445486742893)> accessed July 2, 2015.

**Table 15.04-- CHARACTERISTICS OF STATE-CHARTERED FINANCIAL INSTITUTIONS, BY TYPE: 2010 TO 2012**

[Includes out-of-state branches and facilities. Includes only institutions chartered by the State of Hawaii. As of December 31]

Subject	2010	2011	2012
<b>BANKS</b>			
Number of banks	5	5	5
Number of branches and agency offices	187	190	189
Assets (\$1,000,000)	32,502.4	34,056.9	35,006.0
Deposits (\$1,000,000)	23,760.0	26,456.6	28,388.6
<b>DEPOSITORY FINANCIAL SERVICES LOAN COMPANIES</b>			
Number of companies	1	1	1
Number of branches and agency offices	15	14	14
Assets (\$1,000,000)	572.7	488.1	476.8
Deposits (\$1,000,000)	486.5	408.1	392.2

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Financial Institutions, *Comparative Statements of Condition* (semi-annual) <<http://cca.hawaii.gov/dfi/>> accessed March 21, 2014.

**Table 15.05-- CHARACTERISTICS OF COMMERCIAL BANKS  
HEADQUARTERED IN HAWAII, BY ASSET SIZE: 2014 AND 2015**

[As of December 31 unless otherwise specified. Includes out-of-State branches and facilities of banks. Excludes data for banks with branches and facilities in Hawaii but headquartered outside Hawaii]

<b>Subject</b>	<b>All banks 1/</b>	<b>Banks with assets of less than \$100 million 2/</b>	<b>Banks with assets of \$100 million to \$1 billion</b>	<b>Banks with assets of more than \$1 billion</b>
2014				
Number of institutions reporting	8	1	4	4
Total employees (full-time equivalent)	5,763	19	359	5,404
Assets and liabilities (\$1,000)				
Assets	40,833,613	98,937	1,364,548	39,469,065
Total loans and leases	21,677,420	69,941	831,924	20,845,496
Foreign 3/	1,135,596	(NA)	9,092	1,126,504
Net loans and leases	21,341,724	68,610	815,446	20,526,278
Securities	13,998,361	-	238,238	13,760,123
Liabilities	36,242,875	85,584	1,219,610	35,023,265
Deposits	34,135,214	85,217	1,188,148	32,947,066
Foreign 3/	1,993,622	(NA)	(NA)	(NA)
Domestic 4/	32,141,592	85,217	1,188,148	30,953,444
Equity capital	4,590,738	13,353	144,938	4,445,800
Loan loss allowance	335,696	1,331	16,478	319,218
Unused loan commitments	8,340,955	5,838	191,846	8,149,109
Asset quality (% of loans)				
Loan loss allowance	1.759	1.903	2.048	1.747
Past due and non-accrual	5/ 0.826	0.593	5/ 0.573	5/ 0.837
Real estate	0.797	0.000	0.434	0.817
Commercial and industrial	0.680	3.332	1.470	0.652
Consumer	1.929	5.063	0.017	1.954

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**Table 15.05-- CHARACTERISTICS OF COMMERCIAL BANKS  
HEADQUARTERED IN HAWAII, BY ASSET SIZE: 2014 AND 2015 -- Con.**

Subject	All banks 1/	Banks with assets of less than \$100 million 2/	Banks with assets of \$100 million to \$1 billion	Banks with assets of more than \$1 billion
2015				
Number of institutions reporting	6	1	3	3
Total employees (full-time equivalent)	5,464	19	331	5,133
Assets and liabilities (\$1,000)				
Assets	41,201,062	98,937	1,283,711	39,917,351
Total loans and leases	22,660,810	69,941	829,345	21,831,465
Foreign 3/	1,243,738	(NA)	11,281	1,232,457
Net loans and leases	22,344,377	68,610	814,590	21,529,787
Securities	12,029,495	-	248,381	11,781,114
Liabilities	36,755,673	85,584	1,147,015	35,608,658
Deposits	34,917,084	85,217	1,093,854	33,823,230
Foreign 3/	1,994,627	(NA)	(NA)	(NA)
Domestic 4/	32,922,457	85,217	1,093,854	31,828,603
Equity capital	4,445,389	13,353	136,696	4,308,693
Loan loss allowance	316,433	1,331	14,755	301,678
Unused loan commitments	8,897,377	5,838	202,590	8,694,787
Asset quality (% of loans)				
Loan loss allowance	1.396	1.903	1.779	1.382
Past due and non-accrual	0.662	0.593	0.679	0.661
Real estate	0.569	0.000	0.540	0.570
Commercial and industrial	0.397	3.332	1.370	0.367
Consumer	1.526	5.063	1.058	1.529

NA Not available.

1/ Does not include figures for banks with assets of less than \$100 million.

2/ As of March 31, 2013.

3/ The assets, loans or deposits of the offices of the banks in foreign countries. Not comparable to *Data Books* prior to 2002.

4/ The assets, loans or deposits of the bank offices within the United States.

5/ Revised from previous *Data Book*.

Source: Federal Deposit Insurance Corporation <<http://www2.fdic.gov/SDI/SOB/>> accessed July 2, 2015 and May 11, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 15.06-- CREDIT UNIONS: 1999 TO 2015**

[As of December 31]

Year	Number of credit unions	Assets (dollars)	Shares (dollars)	Loans (dollars)	Number of credit union members
1999	106	3,911,720,684	3,371,485,431	2,009,832,724	589,935
2000	102	4,104,126,744	3,525,977,325	2,179,039,874	612,249
2001	100	4,728,549,611	4,120,888,846	2,333,021,385	646,174
2002	101	5,396,606,043	4,741,630,738	2,457,737,063	679,056
2003	97	6,016,158,791	5,296,893,195	2,531,788,633	703,475
2004	97	6,442,599,837	5,676,421,713	2,826,290,922	729,097
2005	97	6,675,454,552	5,816,437,373	3,166,759,388	750,866
2006	96	6,727,084,367	5,812,940,245	3,444,264,686	776,744
2007	93	7,107,175,278	6,146,573,223	3,751,577,727	806,760
2008	91	7,558,379,638	6,603,223,228	4,011,002,386	809,200
2009	89	8,755,497,641	7,551,135,979	4,096,716,913	810,030
2010	85	9,070,205,477	8,039,549,284	4,024,058,221	810,401
2011	83	9,285,044,502	8,227,197,584	3,975,405,068	810,675
2012	78	9,524,855,175	8,412,531,313	3,823,937,131	801,036
2013	76	9,683,184,863	1/ 8,571,854,063	1/ 3,867,199,282	808,286
2014	70	9,866,946,668	8,693,351,538	4,008,308,459	809,637
2015	64	10,171,541,991	8,952,045,047	4,363,396,919	806,212

1/ Revised from previous *Data Book*.

Source: Hawaii Credit Union League, records.

**Table 15.07-- INSURANCE BUSINESS TRANSACTED IN HAWAII:  
1998 TO 2014**

[Includes data for all insurance companies, life or other, licensed in Hawaii]

<b>Year</b>	<b>Number of companies licensed in Hawaii, Dec. 31</b>	<b>Premiums paid (\$1,000)</b>	<b>Losses, claims and benefits paid (\$1,000)</b>	<b>Cumulative net investments in Hawaii, Dec. 31 1/ (\$1,000)</b>
1998	979	1,955,457	1,352,865	4,792,872
1999	992	1,997,905	2,187,970	4,241,739
2000	997	2,115,812	1,912,430	3,836,913
2001	988	2,186,640	1,648,415	3,609,657
2002	989	2,429,982	1,500,930	3,433,944
2003	987	2,732,865	1,538,481	3,471,284
2004	953	2,912,186	1,869,570	4,330,020
2005	963	3,117,115	2,014,646	4,102,635
2006	967	3,475,130	2,694,150	5,368,663
2007	966	3,606,984	3,136,056	5,845,236
2008	990	3,459,682	2,621,815	5,506,338
2009	1,005	3,805,409	3,140,699	5,430,239
2010	1,009	4,013,738	3,319,787	5,527,425
2011	1,009	4,116,217	3,606,903	5,399,057
2012	1,015	4,255,592	3,632,614	6,554,126
2013	1,018	2/ 4,540,193	2/ 3,794,453	7,153,558
2014	1,025	4,727,440	4,104,006	8,707,305

1/ Excludes bank balances.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii* (annual) <<http://cca.hawaii.gov/ins/reports/>> accessed March 16, 2016.

**Table 15.08-- LIFE INSURANCE BUSINESS TRANSACTED IN HAWAII:  
1998 TO 2014**

[Includes fraternal benefit societies]

<b>Year</b>	<b>Number of companies licensed in Hawaii, Dec. 31</b>	<b>Face value of policies written 1/ (\$1,000)</b>	<b>Insurance in force, Dec. 31 2/ (\$1,000)</b>	<b>Premiums 3/ (\$1,000)</b>	<b>Losses, claims, and benefits paid 3/ (\$1,000)</b>
1998	485	7,237,492	63,999,905	485,295	661,743
1999	483	12,397,141	69,661,030	519,003	1,552,836
2000	478	9,802,583	73,452,956	615,360	1,168,646
2001	472	7,528,187	71,621,301	509,806	925,602
2002	461	8,497,926	77,883,570	546,095	792,006
2003	448	15,195,349	87,362,008	602,830	804,336
2004	433	9,650,742	91,221,745	549,083	1,057,134
2005	434	10,245,838	97,239,187	576,730	1,177,491
2006	429	10,250,274	97,128,330	630,068	1,795,645
2007	417	14,116,865	101,684,178	715,494	2,100,785
2008	419	9,763,779	102,791,146	674,799	1,545,860
2009	414	9,246,551	104,710,661	614,930	1,599,618
2010	409	9,115,587	105,633,782	641,641	1,683,320
2011	409	10,134,347	115,645,455	642,757	1,883,141
2012	407	11,395,055	119,008,658	665,436	1,834,494
2013	405	8,879,709	122,061,596	784,961	1,841,062
2014	404	8,537,744	123,651,863	730,642	1,985,723

1/ Includes insurance revived, increased, or transferred. Excludes annuities. Data not audited.

2/ Excludes annuities. Data not audited.

3/ Life insurance portion excludes annuities, but fraternal portion includes it.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii* (annual) <<http://cca.hawaii.gov/ins/reports/>> accessed March 16, 2016 and records.

**Table 15.09-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF INSURANCE: 2014**

[Dollars]

Class of insurance	Premiums	Losses, claims, and benefits paid
All classes	4,727,439,961	1/ 4,104,006,088
Life 2/	723,273,916	1,979,529,997
Fraternal 2/	7,368,069	6,192,797
Fire, marine, casualty, and miscellaneous	3,750,202,748	2,118,085,509
Accident and health 3/	1,596,471,468	1,302,553,219
Fire	46,155,299	11,782,255
Allied lines	72,873,572	8,261,423
Multiple peril crop	1,066,090	2,006,529
Federal flood	33,024,088	501,280
Farmowners multiple peril	3,680	3,844
Homeowners multiple peril	355,770,983	95,554,273
Commercial multiple peril (fire & allied lines)	95,122,037	18,906,992
Commercial multiple peril (liability portion)	56,433,549	15,971,189
Mortgage guaranty	20,286,245	11,740,459
Ocean marine	14,203,151	4,090,436
Inland marine	81,248,402	24,283,976
Financial guaranty	4,297,377	-
Medical malpractice	18,696,966	7,811,322
Earthquake	6,532,981	975,000
Workers' compensation	243,495,242	120,699,173
Other liability - occurrence	134,099,296	48,958,353
Other liability - claims-made	56,556,381	18,787,375
Excess workers' compensation	4,555,157	799,039
Products liability	7,131,025	4,400,971
Private passenger auto no-fault	80,235,268	40,422,703
Other private passenger auto liability	323,869,166	178,982,860
Commercial auto no-fault	5,917,892	1,952,964
Other commercial auto liability	74,061,921	29,391,049
Private passenger auto physical damage	261,437,464	142,714,270
Commercial auto physical damage	19,630,928	10,227,092
Aircraft	8,052,268	5,055,127
Fidelity	5,109,003	335,385
Surety	45,520,004	1,997,743
Burglary and theft	519,920	18,927
Boiler and machinery	4,395,600	722,478
Credit	6,311,433	2,515,088
Warranty	2,606,006	1,533,065
Title	62,620,482	1,798,324
All other	1,892,404	2,331,326
Foreign Risk Retention Group	7,139,297	197,785
Surplus lines (net of reinsurance)	239,455,931	(NA)

Continued on next page.

**Table 15.09-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF  
INSURANCE: 2014 -- Con.**

NA Not available.

1/ Excludes surplus lines.

2/ Excludes annuities.

3/ Excludes mutual benefit societies and health maintenance organizations listed in the "Mutual Benefit Societies and Health Maintenance Organizations Authorized to Transact Insurance Business in Hawaii During 2014" table in the source document.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii, 2015* <<http://cca.hawaii.gov/ins/reports/>> accessed March 16, 2016.

**Table 15.10-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY  
LOCATION OF HOME OFFICE: 2014**

[As of December 31. Money amounts in millions of dollars. For all insurance companies,  
life and property & casualty, licensed to do business in Hawaii]

<b>Subject</b>	<b>All companies</b>	<b>Domestic com- panies 1/</b>	<b>Foreign com- panies 2/</b>	<b>Alien com- panies 3/</b>
Number of companies	1,025	28	987	10
Life incl. fraternal benefit societies	404	11	388	5
Other than life	621	17	599	5
Financial condition				
Assets	7,540,148	2,482	7,512,394	25,273
Liabilities exc. capital and surplus	6,561,550	1,389	6,536,318	23,842
Policyholders' surplus incl. capital	978,598	1,092	976,075	1,430
Capital	7,352	54	7,293	5
Net income or loss	94,099	52	94,207	-160
Hawaii business				
Direct premiums written	5,838	744	5,084	9
Life	731	32	691	8
Annuities	1,357	(4/)	1,357	(4/)
Fire, casualty, and misc.	3,750	713	3,036	1
Claims and benefits paid	4,477	311	4,154	12
Life	1,986	23	1,952	11
Annuities	373	(4/)	372	(4/)
Fire, casualty, and misc.	2,118	288	1,830	1
Investments in Hawaii	8,707	388	8,291	28
Mortgage loans (principal indebtedness)	2,418	79	2,311	28
Collateral loans (amount loaned)	114	-	114	-
State and county bonds 5/	2,758	15	2,743	-
Utilities stocks and bonds 5/	548	4	545	-
Industrial and miscellaneous stocks and bonds 5/	2,623	209	2,414	-
Real estate 6/	247	81	166	-
Balances in Hawaii banks	270	216	54	-

Continued on next page.

**Table 15.10-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY  
LOCATION OF HOME OFFICE: 2014 -- Con.**

- 1/ A domestic insurer is one formed under the laws of Hawaii.
- 2/ A foreign insurer is one formed under the laws of any state of the United States including the District of Columbia and Commonwealth of Puerto Rico other than Hawaii.
- 3/ An alien insurer is one formed under the laws of a nation other than the United States.
- 4/ Less than 1.
- 5/ Market value.
- 6/ Market value less encumbrances.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii, 2015*, pp. 15-41 <<http://cca.hawaii.gov/ins/reports/>> accessed March 16, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 15.11-- HEALTH PLANS: 2012 TO 2015**

<b>Subject</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Hawaii Medical Service Association				
Persons covered, Dec. 31 1/	708,378	724,925	2/ 720,982	726,487
Membership dues 3/ (\$1,000)	2,481,850	2,640,036	2,873,034	2,978,731
Kaiser Foundation Health Plan				
Persons covered, annual average 1/	227,670	224,122	230,159	242,243
Persons covered, Dec. 31 1/	224,591	226,603	231,836	245,559
Membership dues 3/ (\$1,000)	822,808	849,398	900,502	942,297
University Health Alliance				
Persons covered, Dec. 31 1/	49,181	52,462	4/ 51,773	4/ 52,958
Membership dues 3/ (\$1,000)	186,802	215,588	4/ 227,927	4/ 240,724
Commercial carrier premiums for accident and health insurance (\$1,000)	1,390,089	1,485,008	1,596,471	(NA)

NA Not available.

1/ Subscribers and dependents, whether on a group or individual basis.

2/ Revised from previous *Data Book*.

3/ Includes both employers' and employees' contributions.

4/ Does not include data relating to the Hawaii Health Connector.

Source: Hawaii Medical Service Association, Kaiser Foundation Health Plan, Inc. and University Health Alliance; Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner* (annual) <<http://cca.hawaii.gov/ins/reports/>> accessed March 16, 2016.

**Table 15.12-- PERCENT OF PERSONS NOT COVERED BY HEALTH INSURANCE, FOR HAWAII AND THE UNITED STATES: 2010 TO 2014**

[Civilian uninstitutional population. Based on a sample and subject to sampling variability]

Subject	Annual					Three year average 1/	Five year average
	2010	2011	2012	2013	2014	2011-2013	2010-2014
Hawaii							
Percent not covered	7.9	7.1	6.9	6.7	5.3	6.9	6.7
Standard error 2/	0.5	0.5	0.4	0.4	0.4	0.3	0.2
Rank 3/	3	4	4	4/ 2	4/ 3	4	5/ 3
U.S.							
Percent not covered	15.5	15.1	14.8	14.5	11.7	14.8	14.2
Standard error 4/	0.1	0.1	0.1	0.1	0.1	0.1	0.1

1/ The ACS 3-year dataset product was discontinued and the last one was the 2011-2013 ACS estimates.

2/ Plus or minus percent. At the 90-percent confidence interval.

3/ Among 50 states and the District of Columbia, with lowest percentage ranking 1.

4/ Tied with the District of Columbia.

5/ Tied with Vermont.

Source: U.S. Census Bureau, American Community Survey, "Percent Without Health Insurance Coverage" ranking tables (annual ranking tables) and "Health Insurance Coverage Status" (S701, three-year and five-year datasets) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 25, 2016.

**Table 15.13-- UNINSURED PERSONS BY SELECTED AGE GROUP,  
BY COUNTY: 2014**

[The Small Area Health Insurance Estimates (SAHIE) program models health insurance coverage by combining survey data with population estimates and administrative records]

<b>Age group and subject</b>	<b>State total 1/</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui</b>
Under age 65					
Number in population group	1,158,078	802,355	160,024	57,948	137,751
Number uninsured	69,936	44,203	11,752	3,781	10,200
Percent uninsured	6.0	5.5	7.3	6.5	7.4
Under 19 years old					
Number in population group	318,546	219,339	44,920	16,342	37,945
Number uninsured	10,757	6,877	1,751	642	1,487
Percent uninsured	3.4	3.1	3.9	3.9	3.9
18 to 64 years old					
Number in population group	853,811	592,507	117,325	42,343	101,636
Number uninsured	60,242	38,003	10,178	3,199	8,862
Percent uninsured	7.1	6.4	8.7	7.6	8.7
40 to 64 years old					
Number in population group	441,095	294,162	66,258	24,082	56,593
Number uninsured	24,254	14,186	4,687	1,364	4,017
Percent uninsured	5.5	4.8	7.1	5.7	7.1
50 to 64 years old					
Number in population group	270,036	175,298	44,125	15,450	35,163
Number uninsured	14,861	8,628	3,056	806	2,371
Percent uninsured	5.5	4.9	6.9	5.2	6.7

1/ Kalawao County figures were not available.

Source: U.S. Census Bureau, Social, Economic and Housing Statistics Division, Small Area Health Insurance Estimates (SAHIE), for Counties and States 2014 <<http://www.census.gov/did/www/sahie/index.html>> accessed May 24, 2016.

**Table 15.14-- FIRES, DEATHS, AND LOSSES, BY COUNTY: 2006 TO 2015**

[Fiscal year ending June 30]

Subject and year	State total	Honolulu	Hawaii	Kauai	Maui
<b>Number of fires</b>					
2006	5,429	3,426	897	284	822
2007	5,060	3,085	927	312	736
2008	4,148	2,625	892	308	323
2009	3,802	2,364	751	186	501
2010	4,105	2,383	889	292	541
2011	3,562	2,110	731	168	553
2012	3,699	2,147	681	272	599
2013	3,176	1,755	653	216	552
2014	2,995	1,669	671	191	464
2015	3,324	1,798	675	279	572
<b>Fire deaths</b>					
2006	4	3	-	1	-
2007	6	5	1	-	-
2008	6	5	-	1	-
2009	2	2	-	-	-
2010	5	3	-	-	2
2011	12	11	-	1	-
2012	5	4	1	-	-
2013	3	3	-	-	-
2014	7	4	2	-	1
2015	5	2	3	-	-
<b>Fire losses (\$1,000)</b>					
2006	38,621	21,309	9,167	2,934	5,211
2007	32,402	15,754	8,348	2,995	5,305
2008	28,005	16,566	6,775	1,279	3,385
2009	24,908	15,354	5,825	1,919	1,810
2010	44,263	13,696	3,995	6,081	20,491
2011	23,484	15,542	2,111	3,132	2,699
2012	27,946	16,041	3,512	5,121	3,272
2013	49,058	25,944	4,802	2,900	15,412
2014	29,680	12,800	5,230	1,200	10,450
2015	23,326	13,043	5,006	1,565	3,712

Source: County fire departments.

**Table 15.15-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS:  
2002 TO 2014**

[Excludes data on self-employed individuals, employees of private households, railroad employees, agricultural production employees and most government employees.  
Statistics based on the 2012 North American Industry Classification System (NAICS)]

Year	Number of employees 1/	Payroll (\$1,000)		Number of establishments by employment-size class 2/		
		First quarter	Annual	Total	1 to 4	5 to 9
2002	439,934	3,237,290	13,352,194	30,633	16,181	6,245
2003	459,010	3,422,999	14,138,996	31,061	16,243	6,294
2004	473,500	3,552,027	15,074,629	31,605	16,503	6,431
2005	490,682	3,784,859	16,163,137	32,244	16,848	6,504
2006	512,543	4,225,680	17,287,011	33,118	17,119	6,681
2007	519,060	4,501,332	18,306,259	33,388	17,177	6,835
2008	518,168	4,667,451	18,539,010	32,904	16,903	6,720
2009	488,403	4,415,214	17,742,683	32,372	16,862	6,494
2010	478,838	4,158,617	17,541,821	31,939	16,709	6,357
2011	485,548	4,410,075	18,362,124	31,472	16,364	6,358
2012	492,089	4,636,495	19,078,553	31,496	16,326	6,432
2013	502,530	4,871,307	19,881,066	31,622	16,268	6,425
2014	519,130	5,101,194	20,847,140	31,801	16,339	6,388

Year	Number of establishments by employment-size class 2/--Con.						
	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 or more
2002	4,014	2,632	914	455	122	46	24
2003	4,194	2,666	992	475	126	45	26
2004	4,208	2,766	1,012	479	121	58	27
2005	4,359	2,730	1,096	485	133	61	28
2006	4,555	2,884	1,121	548	126	58	26
2007	4,611	2,895	1,107	548	133	52	30
2008	4,518	2,912	1,067	556	138	62	28
2009	4,445	2,836	1,027	506	129	48	25
2010	4,445	2,729	1,012	481	134	49	23
2011	4,231	2,807	1,031	472	130	55	24
2012	4,249	2,751	1,048	480	128	54	28
2013	4,327	2,808	1,088	484	135	58	29
2014	4,336	2,881	1,126	500	139	64	28

1/ For week including March 12.

2/ Data refer to establishments active anytime during the year.

Source: U.S. Census Bureau, *County Business Patterns* (annual)

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 22, 2016.

**Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,  
BY COUNTY: 2013 AND 2014**

[Excludes data on self-employed individuals, employees of private households, railroad employees, agricultural production employees and most government employees.  
Statistics based on the 2012 North American Industry Classification System (NAICS)]

Year and county	Number of establishments 1/	Number of employees 2/	Payroll (\$1,000)	
			First quarter	Annual
2013				
State total	31,622	502,530	4,871,307	19,881,066
Hawaii	3,923	50,266	421,090	1,727,506
Honolulu	21,173	347,954	3,548,901	14,465,545
Kalawao	1	(3/)	(D)	(D)
Kauai	1,986	25,186	218,068	880,682
Maui	4,409	60,720	531,523	2,162,184
Statewide 4/	130	(5/)	(D)	(D)
2014				
State total	31,801	519,130	5,101,194	20,847,140
Hawaii	3,962	52,063	438,758	1,818,491
Honolulu	21,195	354,302	3,686,652	14,993,106
Kalawao 3/	1	(3/)	(D)	(D)
Kauai	1,988	25,824	226,197	925,683
Maui	4,499	63,429	559,911	2,299,529
Statewide 4/	156	(5/)	(D)	(D)

D Withheld to avoid disclosing data for individual companies.

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

3/ 0 to 19 employees.

4/ Employers without a fixed location within a state (or of unknown county location) are included under a "statewide" classification at the end of the county tables. This incomplete detail causes only slight understatement of county employment.

5/ 10,000 to 24,999 employees.

Source: U.S. Census Bureau, *County Business Patterns* (annual) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 30, 2015 and April 22, 2016 and <<http://censtats.census.gov/cgi-bin/cbpnaic/cbpsect.pl>> accessed May 1, 2015 and June 1, 2016.

**Table 15.17-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,  
BY MAJOR GROUP: 2014**

[Excludes data on self-employed individuals, employees of private households, railroad employees, agricultural production employees and most government employees.  
Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>NAICS code</b>	<b>Major group</b>	<b>Number of establishments 1/</b>	<b>Number of employees 2/</b>	<b>Annual payroll (\$1,000)</b>
	Total	31,801	519,130	20,847,140
11	Agriculture, forestry, fishing and hunting	29	143	4,104
21	Mining, quarrying, and oil & gas extraction	8	152	9,963
22	Utilities	60	3,648	347,876
23	Construction	2,735	27,802	1,785,749
31-33	Manufacturing	760	11,958	508,433
311	Food	231	5,309	165,258
312	Beverage and tobacco product	27	775	35,339
315	Apparel	43	377	8,837
323	Printing and related support activities	91	922	31,790
327	Nonmetallic mineral product	46	765	54,675
332	Fabricated metal product	41	410	24,502
337	Furniture and related product	43	364	15,930
42	Wholesale trade	1,674	19,068	923,313
44-45	Retail trade	4,639	70,860	1,985,855
441	Motor vehicle and parts dealers	321	6,764	316,532
442	Furniture and home furnishing	163	1,223	39,639
443	Electronics and appliance stores	162	1,648	45,411
444	Bldg. mat, garden equip & supplies dealers	256	4,963	155,274
445	Food and beverage stores	687	14,038	357,939
446	Health and personal care stores	386	5,009	172,822
447	Gasoline stations	284	2,975	65,136
448	Clothing & clothing accessories stores	1,240	14,103	290,796
451	Sport, hobby, musical & book	238	2,185	48,048
452	General merchandise stores	83	12,167	354,153
48-49	Transportation and warehousing	867	29,238	1,344,187
481	Air transportation	68	8,924	526,534
484	Truck transportation	189	3,421	143,797
485	Transit & ground passenger transport	112	4,485	161,943
487	Scenic and sightseeing transportation	207	4,721	145,874
488	Support activities for transportation	166	3,803	156,990
51	Information	501	8,228	516,050
52	Finance and insurance	1,446	19,244	1,195,750
53	Real estate and rental and leasing	1,941	12,186	581,588
54	Professional, scientific & technical services	3,287	23,499	1,464,797
55	Management of companies & enterprises	258	6,348	450,298

Continued on next page.

**Table 15.17-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,  
BY MAJOR GROUP: 2014-- Con.**

<b>NAICS code</b>	<b>Major group</b>	<b>Number of establishments 1/</b>	<b>Number of employees 2/</b>	<b>Annual payroll (\$1,000)</b>
56	Administrative and support and waste management and remediation services	1,823	57,775	1,783,014
61	Educational services	514	18,687	604,738
62	Health care and social assistance	3,629	68,461	3,455,529
621	Ambulatory health care services	2,770	26,361	1,490,904
622	Hospitals	26	22,041	1,430,448
623	Nursing & residential care facilities	163	8,130	272,586
624	Social assistance	670	11,929	261,591
71	Arts, entertainment and recreation	534	11,344	268,194
72	Accommodation and food services	3,579	104,888	2,883,100
721	Accommodation	306	40,540	1,660,129
722	Food services and drinking places	3,273	64,348	1,222,971
81	Other services (except public administration)	3,478	25,549	733,633
99	Industries not classified	39	52	969

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *2014 County Business Patterns*

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 25, 2016.

**Table 15.18-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,  
BY EMPLOYMENT-SIZE CLASS: 2013 AND 2014**

[Excludes data on self-employed individuals, employees of private households, railroad employees, agricultural production employees and most government employees]

Employment-size class	Number of establishments 1/		Number of employees 2/		Annual payroll (\$1,000)	
	2013	2014	2013	2014	2013	2014
Total	31,622	31,801	502,530	519,130	19,881,066	20,847,140
1 to 4	16,268	16,339	29,623	29,690	1,270,607	1,321,225
5 to 9	6,425	6,388	42,579	42,286	1,519,541	1,528,037
10 to 19	4,327	4,336	58,535	58,691	2,075,858	2,089,768
20 to 49	2,808	2,881	84,746	87,124	3,136,932	3,241,617
50 to 99	1,088	1,126	74,780	77,696	2,726,988	2,899,858
100 to 249	484	500	72,276	73,963	2,854,348	2,973,553
250 to 499	135	139	46,702	48,614	1,850,829	2,005,580
500 to 999	58	64	39,638	45,241	1,832,793	2,045,083
1,000 or more	29	28	53,651	55,825	2,613,170	2,742,419

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, "2013 Business Patterns: Geography Area Series: County Business Patterns by Employment Size Class" <[http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?\\_ts=448812536022](http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?_ts=448812536022)> accessed April 30, 2015 and "2014 Business Patterns: Geography Area Series: County Business Patterns by Employment Size Class" <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 22, 2016.

**Table 15.19-- REGISTERED CORPORATIONS AND PARTNERSHIPS:  
2012 TO 2015**

[Fiscal year ending June 30 unless otherwise specified. Excludes nonprofit corporations]

Subject	2012	2013	2014	2015
Domestic (Hawaii) corporations				
Formed	1,985	1,721	1,806	1,698
Dissolved or merged 1/	2,767	2,489	2,295	2,257
On record, June 30 2/	31,761	31,023	30,564	30,021
Foreign (non-Hawaii) corporations				
Qualified	1,187	1,176	1,153	1,157
Withdrawn, merged, or cancelled 1/	971	821	872	815
On record, June 30 2/	11,751	12,103	12,377	12,720
Partnerships				
Registered	424	438	407	390
Dissolved or cancelled 1/	543	547	524	464
On record, June 30 2/	4,835	4,723	4,610	4,530
Domestic (Hawaii) Limited Liability Companies				
Formed	8,200	8,730	9,342	9,682
Dissolved or merged 1/	4,980	4,838	5,359	5,668
On record, June 30 2/	48,326	52,246	56,239	60,281
Foreign (non-Hawaii) Limited Liability Companies				
Qualified	985	964	1,122	1,245
Withdrawn or merged 1/	472	540	551	567
On record, June 30 2/	6,208	6,635	7,205	7,882
Domestic (Hawaii) Limited Liability Partnerships				
Formed	77	76	79	80
Dissolved or merged 1/	58	80	84	75
On record, June 30 2/	458	455	451	455
Foreign (non-Hawaii) Limited Liability Partnerships				
Qualified	8	12	7	15
Withdrawn or cancelled 1/	4	2	3	3
On record, June 30 2/	69	79	83	95

1/ Annual fluctuations may partly reflect the sporadic purging of defunct firms from the registration files.

2/ Number on record may be inconsistent with data on components of change or conversion from another type of entity, reflecting inaccuracy in manual tabulation. A discrepancy does occur when a domestic corporation converts to a limited liability company because the statistic is reflected for the domestic corporation and included in the dissolved or merged statistic, but it is not reflected in the limited liability company's formed statistic. Domestic entities that are reinstated after being involuntarily dissolved, cancelled or terminated are also not reflected in the formed statistic.

Source: Hawaii State Department of Commerce and Consumer Affairs, Business Registration Division, records.

**Table 15.20-- CHARACTERISTICS OF CORPORATIONS, PARTNERSHIPS,  
AND PROPRIETORSHIPS: 2002**

[Includes all active private-for-profit businesses in Hawaii except insurance underwriters who pay the insurance premium tax. Inactive businesses, defined as those with no income no income and no expenses other than those to maintain licenses and to file tax returns, were not included]

<b>Subject</b>	<b>Total</b>	<b>Corpora- tions</b>	<b>Partner- ships</b>	<b>Proprie- torships</b>
Number of businesses, by taxation district	128,119	24,598	7,090	96,431
1st (Oahu)	88,456	18,458	5,225	64,773
2nd (Maui, Molokai, Lanai)	16,019	2,638	816	12,565
3rd (Hawaii)	16,715	2,608	702	13,405
4th (Kauai, Niihau)	6,929	894	347	5,688
Businesses with \$1 million or more in business receipts	5,831	4,902	715	214
Business receipts (\$1,000)	64,907,431	54,915,442	6,979,980	3,012,009
Businesses with net profit	71,091	11,648	3,794	55,649
Amount of net profit (\$1,000)	3,961,638	2,298,851	884,949	777,838
Businesses with net loss	50,730	7,669	3,039	40,022
Amount of net loss (\$1,000)	4,206,775	3,082,445	849,494	274,836

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns: Businesses 2002* (July 2006)  
<<http://www.hawaii.gov/tax/pubs/02businc.pdf>> accessed August 13, 2007.

**Table 15.21-- ESTABLISHMENT AND EMPLOYMENT CHANGES  
FROM ENTERPRISE BIRTHS, DEATHS, EXPANSIONS AND  
CONTRACTIONS, BY EMPLOYMENT-SIZE CLASS: 2011 TO 2012**

[An enterprise is a business organization consisting of one or more domestic establishments that were specified under common ownership or control. Based on 2007 NAICS]

Subject	Employment size of the enterprise 1/							
	Total	Less than 500 employees						500+
		Total < 500	1-4	5-9	10-19	20-99	100-499	
Establishments 2/								
Number (initial year)	29,097	24,230	11,657	4,563	2,829	3,343	1,838	4,867
Numerical change	-11	35	-68	-13	7	47	62	-46
Births 3/	2,655	2,322	1,432	263	186	272	169	333
Deaths 4/	2,666	2,287	1,500	276	179	225	107	379
Expansions	7,658	6,138	1,992	1,322	957	1,265	602	1,520
Contractions	7,367	5,860	1,328	1,467	1,140	1,295	630	1,507
Employment 5/								
Number (initial year)	485,540	256,561	24,582	29,309	35,492	91,333	75,845	228,979
Numerical change	9,290	4,941	2,931	418	-134	1,948	-222	4,349
Change due to births	20,071	12,745	2,650	1,655	1,897	4,449	2,094	7,326
Change due to deaths	-20,322	-12,192	-2,685	-1,636	-1,849	-3,822	-2,200	-8,130
Change due to expansions	43,184	26,682	4,553	3,071	3,233	9,545	6,280	16,502
Change due to contractions	-33,643	-22,294	-1,587	-2,672	-3,415	-8,224	-6,396	-11,349

1/ The enterprise and the establishment are the same for single-establishment firms. Each multi-establishment company forms one enterprise - the enterprise employment and annual payroll are summed from the associated establishments. Enterprise size designations are determined by the summed employment of all associated establishments. The enterprise size group "0" includes enterprises for which no associated establishments reported paid employees in mid-March pay period but paid employees at some time during the year.

2/ A single physical location where business is conducted or where services or industrial operations are performed.

3/ Establishments that have zero employment in the first quarter of the initial year and positive employment in the first quarter of the subsequent year.

4/ Establishments that have positive employment in the first quarter of the initial year and zero employment in the first quarter of the subsequent year.

5/ Full or part-time employees, including salaried officers and executives of corporations, who were on the payroll in the pay period including March 12. Included are employees on sick leave, holidays, and vacations; not included are proprietors and partners of unincorporated businesses.

Source: U.S. Census Bureau, 1989-2012 Business Information Tracking Series <<http://www.census.gov/econ/subb/>> accessed June 30, 2015 and "Statistics of U.S. Businesses Explanation of Terms" <<http://www.census.gov/econ/subb/definitions.html>> accessed June 13, 2014.

**Table 15.22--TOP INDUSTRIES FOR EMPLOYMENT: 2007 AND 2012**

[Ranking based on greatest employment during pay period including March 12 at the 2-digit NAICS code-level. Greatest employment is ranked 1. Statistics based on the North American Industry Classification System (NAICS). The 2007 data is based on the 2007 NAICS and the 2012 data is based on the 2012 NAICS. Includes only establishments with payroll]

NAICS code 1/	Sector	Number of employees			Payroll per employee (\$)		
		2007	2012	Percent change	2007	2012	Percent change
72	Accommodation and food services	98,353	98,364	0.0	22,468	25,781	14.7
44-45	Retail trade	70,661	68,360	-3.3	24,998	26,843	7.4
62	Health care and social assistance	63,640	66,772	4.9	42,763	49,281	15.2
56	Administrative and support and waste management and remediation services	46,823	47,307	1.0	26,722	28,645	7.2
23	Construction	35,523	27,541	-22.5	53,672	56,800	5.8
48-49	Transportation and warehousing 1/	32,361	26,839	-17.1	34,252	42,862	25.1
54	Professional, scientific, and technical services	22,460	21,629	-3.7	54,741	58,515	6.9

1/ Excludes railroad transportation and the U.S. Postal Service.

Source: U.S. Census Bureau, Economic Census, Economy-Wide Key Statistics File, 2007 Economic Census, "EC0700A1: All sectors: Geographic Area Series, Economy-Wide Key Statistics: 2007" Hawaii <[http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?\\_ts=445486742893](http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?_ts=445486742893)> accessed July 3, 2015; 2012 Economic Census, "EC1200A1: All sectors: Geographic Area Series, Economy-Wide Key Statistics 2012" Hawaii <[http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?\\_ts=445486742893](http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?_ts=445486742893)> accessed July 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 15.23-- TOP INDUSTRIES OF PRIVATE FIRMS,  
BY COUNTY: 2014-2015**

[These data are averaged for 3rd quarter of 2014 through 2nd quarter of 2015. Ranking based on greatest employment at the 3-digit NAICS code-level. Greatest employment is ranked 1. Includes persons 14 to 99 years of age in private firms only. Does not include data for Kalawao County]

Rank	NAICS code	County and industry	Average quarterly employment	Average quarterly new hire employment	Average monthly earnings (\$)	New hire earnings (\$)
		State	450,341	35,981	3,700	2,378
1	722	Food services and drinking places	51,640	6,279	1,884	1,336
2	561	Administrative and support services	41,214	4,970	2,799	2,108
3	721	Accommodation	37,502	1,382	3,807	3,076
4	621	Ambulatory health care services	24,180	1,795	5,012	3,149
5	541	Professional, scientific, and technical services	21,785	1,578	5,783	4,209
6	238	Specialty trade contractors	15,743	1,426	5,071	4,037
7	622	Hospitals	14,768	624	5,904	4,628
8	445	Food and beverage stores	12,937	985	2,506	1,411
9	624	Social assistance	12,566	1,008	2,058	1,477
10	452	General merchandise stores	12,532	1,062	2,346	1,358
		Hawaii County	46,139	4,001	3,157	2,146
1	721	Accommodation	5,555	267	3,521	2,610
2	722	Food services and drinking places	4,831	669	1,807	1,299
3	561	Administrative and support services	3,519	528	2,291	1,790
4	621	Ambulatory health care services	2,801	217	4,062	2,507
5	452	General merchandise stores	2,174	199	2,382	1,532
6	445	Food and beverage stores	2,044	139	2,503	1,425
7	624	Social assistance	1,923	153	1,766	1,299
8	238	Specialty trade contractors	1,508	166	4,085	3,246
9	111	Crop production	1,326	99	2,195	1,713
10	541	Professional, scientific, and technical services	1,173	109	4,931	4,750
		City & County of Honolulu	327,992	26,039	3,850	2,441
1	722	Food services and drinking places	36,324	4,244	1,827	1,276
2	561	Administrative and support services	31,824	3,780	2,863	2,163
3	541	Professional, scientific, and technical services	18,863	1,366	5,947	4,215

Continued on next page.

**Table 15.23-- TOP INDUSTRIES OF PRIVATE FIRMS,  
BY COUNTY: 2014-2015 -- Con.**

Rank	NAICS code	County and industry	Average quarterly employment	Average quarterly new hire employment	Average monthly earnings (\$)	New hire earnings (\$)
		City & County of Honolulu - con.				
4	621	Ambulatory health care services	18,128	1,368	5,071	3,134
5	721	Accommodation	16,919	557	3,824	2,983
6	622	Hospitals	13,746	590	5,907	4,617
7	238	Specialty trade contractors	12,018	1,054	5,330	4,269
8	624	Social assistance	8,867	720	2,123	1,504
9	813	Religious, grantmaking, civic, professional, and similar organizations	8,602	577	2,975	1,919
10	452	General merchandise stores	8,425	707	2,308	1,288
		Kauai County	20,703	1,525	3,302	2,243
1	721	Accommodation	3,962	149	3,726	3,120
2	722	Food services and drinking places	3,031	362	1,799	1,289
3	561	Administrative and support services	1,563	156	3,176	2,408
4	621	Ambulatory health care services	801	50	6,768	4,408
5	713	Amusement, gambling, and recreation industries	724	69	2,370	1,494
6	445	Food and beverage stores	581	38	2,317	1,425
7	238	Specialty trade contractors	564	49	3,900	3,607
8	452	General merchandise stores	549	29	2,452	1,249
9	541	Professional, scientific, and technical services	519	29	4,501	3,499
10	487	Scenic & sightseeing transportation	465	40	2,811	1,965
		Maui County	55,479	4,414	3,414	2,265
1	721	Accommodation	11,066	408	3,954	3,493
2	722	Food services and drinking places	7,453	1,003	2,251	1,632
3	561	Administrative and support services	4,307	505	2,600	1,943
4	621	Ambulatory health care services	2,449	159	5,125	3,799
5	445	Food and beverage stores	1,959	150	2,529	1,456
6	238	Specialty trade contractors	1,650	156	4,504	3,467
7	111	Crop production	1,415	47	4,387	3,098
8	452	General merchandise stores	1,382	125	2,480	1,499
9	813	Religious, grantmaking, civic, professional, and similar organizations	1,352	82	2,919	1,990
10	624	Social assistance	1,312	97	2,108	1,591

Source: U.S. Census Bureau, Local Employment Dynamics, QWI Explorer <<http://qwiexplorer.ces.census.gov/#x=0&g=0>> accessed June 1, 2016.

**Table 15.24-- LARGEST PUBLIC AND PRIVATE COMPANIES: 2014**

[Ranking based on gross sales in 2014. Data may include sales and employment on the Mainland or abroad]

Rank in sales	Company	Year founded 1/	Sales (million dollars)	Employees
1	Hawaiian Electric Industries, Inc.	2/ 1891/1983	3,239.5	3,965
2	Hawaii Medical Service Assn. (HMSA)	1938	2,882.5	1,618
3	Hawaiian Holdings, Inc.	1929	2,314.9	5,379
4	Matson, Inc.	(NA)	1,714.2	1,056
5	University of Hawaii	1907	1,656.2	8,717
6	Kaiser Permanente Hawaii	1958	1,283.0	4,314
7	Servco Pacific Inc.	(NA)	1,177.7	1,572
8	Hawaii Pacific Health	2001	1,169.6	6,441
9	The Queen's Health Systems	2/ 1859/1985	1,021.0	6,942
10	First Hawaiian Bank	2/ 1858/1974	676.5	2,055

NA Not available.

1/ Information on "Year founded" was obtained from previous *Hawaii Business* issues. From the 2009 issue, year founded information was no longer provided in their ranking table.

2/ The first year is the founding date of the original company and the second year is when it became a holding company, was sold, or legally changed its name or year of incorporation.

Source: *Hawaii Business*, "Hawaii Business Top 250" (August 2015) <<http://www.hawaiibusiness.com/top-250-inside-the-bottom-line/>> accessed October 14, 2015 and various earlier issues.

**Table 15.25-- NET INCOME OR LOSS AND TOTAL REVENUES OF  
SELECTED COMPANIES: 2013 TO 2014**

[Based on percentage change in gross annual sales between 2013 and 2014]

Rank	Company	Gross annual sales (million dollars)	
		2014	% change
	Largest percentage increase 1/		
1	Maui Land & Pineapple Co. Inc.	33.0	116.9
2	Pharmacare Hawaii Inc.	101.3	96.3
3	AHR Hospitality Partners Inc. 2/	400.0	83.8
4	Hawaii Petroleum Inc.	186.8	78.2
5	Kiewit Corp.	260.0	76.7
6	University of Hawaii Foundation	126.7	54.7
7	Alexander & Baldwin, Inc.	560.0	53.3
8	Albert C. Kobayashi Inc.	228.0	52.0
9	Isemoto Contracting Co. Ltd.	71.3	51.5
10	Associated Steel Workers Ltd.	42.8	50.7
11	Fujikawa Associates Inc., dba Continental Mechanical of the Pacific	20.4	49.3
12	Native Hawaiian Veterans LLC	20.8	46.0
13	Swinerton Builders	230.0	45.9
14	Hawaii Life Real Estate Brokers	27.1	43.1
15	Group Builders Inc.	66.5	37.7
16	Ba-Le, Inc.	19.0	35.7
17	Hawaiian Dredging Construction Co. Inc.	546.0	32.5
18	Hawaii Employers' Mutual Insurance Co.	66.0	32.2
19	Allied Builders System	69.3	32.0
	Largest percentage decrease 1/		
1	Honolulu Builders, LLC	15.5	-66.9
2	Ralph S. Inouye Co. Ltd.	18.2	-51.6
3	Alternate Energy Inc.	23.0	-50.3
4	St. Francis Healthcare System of Hawaii	37.6	-47.0
5	Queen Liliuokalani Trust	38.4	-46.6
6	PEMCO Ltd.	20.6	-46.2
7	North Hawaii Community Hospital	69.2	-45.6
8	Hawaii Energy Connection LLC	25.6	-40.7

1/ Companies with a change of over 30 percent.

2/ After *Hawaii Business* magazine published their ranking list, AHR Hospitality Partners, Inc. notified the magazine that the 2013 gross annual sales figure used in their ranking percentage change calculations should have been a different one. Based on this new information, the ranking for AHR Hospitality Partners, Inc. was #3 and their percentage change in gross annual sales was 83.8 percent which are reflected in the *Data Book* table shown above.

Source: *Hawaii Business*, "Hawaii Business Top 250" (August 2015)

<<http://www.hawaiibusiness.com/top-250-inside-the-bottom-line/>> accessed October 14, 2015.

**Table 15.26-- NONEMPLOYER STATISTICS, FOR HAWAII  
AND THE UNITED STATES: 2002 TO 2014**

[Data refer to businesses that have no paid employees, have annual business receipts of \$1,000 or more (\$1 or more in the Construction industry) and are subject to federal income taxes. From 2002 to 2006, each firm was classified in accordance with the industry definitions in the 2002 NAICS manual; from 2007 to 2011 according to the 2007 NAICS manual; and beginning with the 2012 data year according to the 2012 NAICS manual]

Year	Hawaii		United States	
	Number of firms 1/	Receipts 2/ (\$1,000)	Number of firms 1/	Receipts 2/ (\$1,000)
2002	76,398	3,055,384	17,646,062	770,032,328
2003	80,718	3,407,971	18,649,114	829,819,228
2004	84,331	3,694,870	19,523,741	887,001,820
2005	87,717	4,026,320	20,392,068	951,206,297
2006	90,353	4,194,469	20,768,555	970,384,137
2007	96,263	4,475,373	21,708,021	991,791,563
2008	93,704	4,334,702	21,351,320	962,791,527
2009 3/	91,496	4,168,129	21,695,828	923,018,039
2010 3/	92,126	4,065,985	22,110,628	950,813,840
2011 3/	94,118	4,303,253	22,491,080	989,628,512
2012 3/	97,151	4,544,558	22,735,915	1,030,932,886
2013 3/	98,490	4,567,498	23,005,620	1,052,025,268
2014 3/	102,544	4,857,765	23,836,937	1,115,921,379
Economic Census				
2007 4/	95,301	4,148,616	21,357,346	972,691,434
2012 4/	95,415	4,897,391	22,201,902	1,041,586,434

1/ Data refer to each distinct business income tax return filed by a nonemployer business.

2/ Includes gross receipts, sales, commissions and income received from trades and businesses, as reported on annual business income tax returns. Business income consists of all payments received for services rendered by nonemployer businesses, such as payments received as independent agents and contractors.

3/ When comparing the 2009 and later Nonemployers Statistics data to prior years, changes in methodology must be considered.

4/ Data are from the Economic Censuses taken every five years. All other data is from the annual Nonemployer Statistics series.

Source: U.S. Census Bureau, Nonemployer Statistics for 2002 to 2012 <<http://www.census.gov/econ/nonemployer/>> accessed April 24, 2014; Nonemployer Statistics (annual) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 27, 2016; and 2007 Economic Census, 2007 Survey of Business Owners, Company Statistics Series, SB0700CSA01: U.S. Firms by Geographic Area, Industry, Gender, Ethnicity, and Race: 2007 <[http://factfinder.census.gov/servlet/EconSectorServlet?caller=dataset&sv\\_name=2007+Survey+of+Business+Owners&\\_SectorId=\\*&ds\\_name=EC0700A1](http://factfinder.census.gov/servlet/EconSectorServlet?caller=dataset&sv_name=2007+Survey+of+Business+Owners&_SectorId=*&ds_name=EC0700A1)> accessed July 29, 2011 and 2012 Economic Census, 2012 Survey of Business Owners, SB1200CSA01: Statistics for All U.S. Firms by Industry, Gender, Ethnicity, and Race for the U.S., States, Metro Areas, Counties, and Places: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed July 15, 2016.

**Table 15.27-- CHARACTERISTICS OF NONEMPLOYER  
BUSINESSES, BY MAJOR GROUP: 2012**

[Data are from the 2012 Economic Census which differs from data in the Census Bureau's annual nonemployers statistics used in other current as well as in previous *Data Book* tables. A firm without paid employees includes sole proprietors and partners of unincorporated businesses that do not have any other employees on the payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>2012 NAICS code</b>	<b>Major group</b>	<b>Number of firms 1/</b>	<b>Receipts 2/ (\$1,000)</b>
	Total	95,415	4,897,391
11	Agriculture, forestry, fishing and hunting 3/	1,972	72,703
21	Mining, quarrying, and oil and gas extraction	16	826
22	Utilities	119	7,601
23	Construction	7,237	548,050
31-33	Manufacturing	2,132	79,119
42	Wholesale trade	2,491	(7/)
44-45	Retail trade	9,486	405,036
48-49	Transportation and warehousing 4/	2,872	92,757
51	Information	1,182	40,293
52	Finance and insurance 5/	2,850	268,527
53	Real estate and rental and leasing	11,165	971,015
54	Professional, scientific, and technical services	14,073	586,474
55	Management of companies and enterprises	-	-
56	Administrative and support and waste management and remediation services	8,094	217,659
61	Educational services	2,408	43,417
62	Health care and social assistance	7,552	379,106
71	Arts, entertainment, and recreation	5,776	147,436
72	Accommodation and food services	1,730	118,866
81	Other services (except public administration) 6/	14,258	538,958
99	Industries not classified	1	(7/)

Continued on next page.

**Table 15.27-- CHARACTERISTICS OF NONEMPLOYER  
BUSINESSES, BY MAJOR GROUP: 2012 -- Con.**

1/ A firm is a business organization or entity consisting of one domestic establishment (location) or more under common ownership or control. A firm without paid employees includes sole proprietors and partners of unincorporated businesses that do not have any other employees on the payroll. All establishments of subsidiary firms are included as part of the owning or controlling firm. For the economic census, the terms "firm" and "company" are synonymous.

2/ Includes total sales, shipments, receipts, revenue, or business done by domestic establishments (excludes foreign subsidiaries) without paid employees and within the scope of the Survey of Business Owners.

3/ Crop and Animal Production (NAICS 111 and 112) are out of scope of the 2012 Survey of Business Owners.

4/ Rail Transportation (NAICS 482) and the Postal Service (NAICS 491) are out of scope of the 2012 Survey of Business Owners.

5/ Monetary Authorities-Central Banks (NAICS 521) and Funds, Trusts, and Other Financial Vehicles (NAICS 525) are out of scope of the 2012 Survey of Business Owners.

6/ Religious, Grantmaking, Civic, Professional, and Similar Organizations (NAICS 813) and Private Households (NAICS 814) are out of scope of the 2012 Survey of Business Owners.

7/ Withheld because estimate did not meet publication standards.

Source: U.S. Census Bureau, 2012 Economic Census, 2012 Survey of Business Owners SB1200CSA01: Statistics for All U.S. Firms by Industry, Gender, Ethnicity, and Race for the U.S., States, Metro Areas, Counties, and Places: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed July 11, 2016.

**Table 15.28-- CHARACTERISTICS OF NONEMPLOYER  
BUSINESSES, BY MAJOR GROUP: 2014**

[Data refer to businesses that have no paid employees, have annual business receipts of \$1,000 or more (\$1 or more in the Construction industry) and are subject to federal income taxes. Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>2012 NAICS code</b>	<b>Major group 1/</b>	<b>Number of firms 2/</b>	<b>Receipts 3/ (\$1,000)</b>
	Total	102,544	4,857,765
11	Agriculture, forestry, fishing and hunting	2,110	86,721
21	Mining, quarrying, and oil and gas extraction	8	892
22	Utilities	182	13,243
23	Construction	7,544	500,024
236	Construction of buildings	2,378	190,762
238	Specialty trade contractors	5,069	299,293
31-33	Manufacturing	2,224	96,296
311	Food manufacturing	356	15,317
315	Apparel manufacturing	378	12,208
321	Wood product manufacturing	215	8,490
42	Wholesale trade	2,672	183,465
44-45	Retail trade	10,067	445,317
445	Food and beverage stores	617	55,910
446	Health and personal care stores	731	16,451
448	Clothing and clothing accessories stores	1,134	61,436
451	Sporting goods, hobby, music instrument & book	501	25,173
454	Nonstore retailers 4/	4,693	120,814
48-49	Transportation and warehousing	3,299	104,550
485	Transit and ground passenger transportation	2,295	60,481
51	Information	1,168	46,365
52	Finance and insurance	2,806	184,438
524	Insurance carriers and related activities	1,836	96,992
53	Real estate and rental and leasing	11,689	1,080,154
531	Real estate	11,193	1,043,864
54	Professional, scientific and technical services	15,186	648,624
56	Administrative and support and waste management and remediation services	8,606	236,897
61	Educational services	2,676	49,295
62	Health care and social assistance	7,874	388,230
621	Ambulatory health care services	5,087	302,476
71	Arts, entertainment and recreation	6,378	177,602
711	Performing arts, spectator sports, and related industries	5,348	121,241
72	Accommodation and food services	1,887	122,109
81	Other services (except public administration)	16,168	493,543
812	Personal and laundry services	11,541	328,247

Continued on next page.

**Table 15.28-- CHARACTERISTICS OF NONEMPLOYER  
BUSINESSES, BY MAJOR GROUP: 2014 -- Con.**

1/ Major groups include other subgroups not shown separately in this table. Limited to industries in approximately 300 of the nearly 1,200 recognized North American Classification System industries. The universe contains only those codes that are available through administrative records sources and are common to all three legal forms of organization applicable to nonemployer businesses.

2/ Data refer to each distinct business income tax return filed by a nonemployer business.

3/ Includes gross receipts, sales, commissions and income from trades and businesses, as reported on annual business income tax returns. Business income consists of all payments received for services rendered.

4/ Industries in the Nonstore Retailers subsector retail merchandise using methods, such as the broadcasting of infomercials, the broadcasting and publishing of direct-response advertising, the publishing of paper and electronic catalogs, door-to-door solicitation, in-home demonstration, selling from portable stalls and distribution through vending machines. Includes mail-order houses, vending machine operators, home delivery sales, door-to-door sales, party plan sales, electronic shopping, and sales through portable stalls (e.g., include street vendors, except food). Also includes establishments engaged in direct sale (i.e., nonstore) of products, such as home heating oil dealers and newspaper delivery service providers.

Source: U.S. Census Bureau, Nonemployer Statistics for 2014 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 27, 2016.

**Table 15.29-- SELECTED MINORITY-OWNED BUSINESS ENTERPRISES: 2012**

[Includes all U.S. firms operating during 2012 with receipts of \$1,000 or more which are classified in the North American Industry Classification System (NAICS) sectors 11 through 99, except for NAICS 111, 112, 482, 491, 521, 525, 813, 814, and 92 which are not covered. Firms with more than one domestic establishment are counted in each geographic area and industry in which they operate, but only once in the U.S. total. Hispanic or Latino firms may be of any race and may also be included under that race. Moreover, each owner had the option of selecting more than one race and therefore is included in each race selected. Includes persons who own 51 percent or more of the equity, interest, or stock of the business]

Characteristics	All firms (whether or not owned by minorities)	Firms owned by selected minorities 1/		
		Asian- owned	Native Hawaiian- and Other Pacific Islander-owned	Hispanic- owned 2/
All firms				
Number	118,454	60,967	14,537	5,544
Sales, receipts, value of shipments (\$1,000)	102,120,740	19,482,939	2,210,215	564,552
Firms with paid employees				
Number	23,038	11,237	1,285	524
Sales, receipts, value of shipments (\$1,000)	97,223,349	16,984,600	1,630,568	402,595
Employees 3/ Annual payroll (\$1,000)	464,922 17,913,118	104,791 3,436,922	10,341 350,276	2,497 92,365
Firms without paid employees				
Number	95,415	49,730	13,251	5,020
Sales, receipts, value of shipments (\$1,000)	4,897,391	2,498,339	579,647	161,957

1/ Minority-owned firms are firms in which Blacks, American Indians and Alaska Natives, Asians, Native Hawaiian and Other Pacific Islanders, or Hispanics own 51 percent or more of the equity, interest or stock of the business.

2/ Persons of Hispanic origin may be members of any race.

3/ For pay period including March 12.

Source: U.S. Census Bureau, 2012 Economic Census, 2012 Survey of Business Owners, SB1200CSA01: Statistics for All U.S. Firms by Industry, Gender, Ethnicity, and Race for the U.S., States, Metro Areas, Counties, and Places: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed December 31, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 15.30-- ASIAN-OWNED BUSINESSES FOR HAWAII  
AND THE UNITED STATES: 2012**

[Includes all U.S. firms operating during 2012 with receipts of \$1,000 or more which are classified in the North American Industry Classification System (NAICS) sectors 11 through 99, except for NAICS 111, 112, 482, 491, 521, 525, 813, 814, and 92 which are not covered. Firms with more than one domestic establishment are counted in each geographic area and industry in which they operate, but only once in the U.S. total. Includes Asians who own 51 percent or more of the equity, interest, or stock of the business. Details may not add to total or subgroup total because a firm could be tabulated in more than one racial group]

Character- istics	All firms		Firms with paid employees				Firms without paid employees	
	Num- ber	Sales/ receipts/ value of shipments (\$1,000)	Num- ber	Sales/ receipts/ value of shipments (\$1,000)	Employ- ees 1/	Annual payroll (\$1,000)	Num- ber	Sales/ receipts/ value of shipments (\$1,000)
<b>Hawaii</b>								
Total Asian	60,967	19,482,939	11,237	16,984,600	104,791	3,436,922	49,730	2,498,339
Asian Indian	556	213,038	69	187,184	1,859	50,291	487	25,855
Chinese	16,225	4,522,360	2,708	3,749,682	27,569	799,808	13,517	772,679
Filipino	13,404	1,021,335	1,085	694,832	6,761	174,175	12,318	326,502
Japanese	27,631	11,385,707	5,905	10,170,062	58,089	2,114,774	21,727	1,215,645
Korean	4,879	1,983,721	1,312	1,802,896	8,083	247,647	3,567	180,825
Vietnamese	3,177	243,974	237	133,850	1,403	23,566	2,940	110,124
Other Asian	1,465	141,889	136	100,296	1,086	37,625	1,329	41,593
<b>U.S.</b>								
Total Asian	1,917,902	699,492,422	481,026	627,532,399	3,572,577	110,543,615	1,436,876	71,960,023
Asian Indian	377,486	227,148,254	137,720	209,778,561	1,124,943	39,121,409	239,766	17,369,692
Chinese	528,702	210,062,246	139,016	190,602,834	984,985	29,748,590	389,685	19,459,412
Filipino	193,336	25,845,518	24,548	20,460,768	186,397	5,888,012	168,788	5,384,749
Japanese	119,163	44,243,189	23,906	39,990,633	219,857	7,849,769	95,257	4,252,556
Korean	224,891	107,813,236	81,902	99,194,346	524,929	14,169,769	142,989	8,618,889
Vietnamese	310,864	34,649,696	37,015	24,193,204	200,583	5,164,102	273,849	10,456,492
Other Asian	194,061	50,242,621	38,454	43,128,485	320,739	7,830,139	155,606	7,114,136
Hawaii as a % of U.S.	3.2	2.8	2.3	2.7	2.9	3.1	3.5	3.5

1/ For pay period including March 12.

Source: U.S. Census Bureau, 2012 Economic Census, 2012 Survey of Business Owners, SB1200CSA01: Statistics for All U.S. Firms by Industry, Gender, Ethnicity, and Race for the U.S., States, Metro Areas, Counties, and Places: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed December 31, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 15.31-- NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER-OWNED BUSINESSES FOR HAWAII AND THE UNITED STATES: 2012**

[Includes all U.S. firms operating during 2012 with receipts of \$1,000 or more which are classified in the North American Industry Classification System (NAICS) sectors 11 through 99, except for NAICS 111, 112, 482, 491, 521, 525, 813, 814, and 92 which are not covered. Firms with more than one domestic establishment are counted in each geographic area and industry in which they operate, but only once in the U.S. total. Includes Native Hawaiian and Other Pacific Islander (NHOPI) who own 51 percent or more of the equity, interest, or stock of the business. Details may not add to total or subgroup total because a firm could be tabulated in more than one racial group]

Characteristics	All firms		Firms with paid employees				Firms without paid employees	
	Number	Sales/receipts/value of shipments (\$1,000)	Number	Sales/receipts/value of shipments (\$1,000)	Employees 1/	Annual payroll (\$1,000)	Number	Sales/receipts/value of shipments (\$1,000)
<b>Hawaii</b>								
Total Native Hawaiian & Other Pacific Islander	14,537	2,210,215	1,285	1,630,568	10,341	350,276	13,251	579,647
Native Hawaiian	13,147	1,939,023	1,202	1,536,199	9,521	329,196	11,945	402,824
Guamanian or Chamorro	124	10,008	11	8,047	104	2,170	114	1,961
Samoan	622	(2/)	28	(2/)	(3/)	(2/)	595	(2/)
Other Pacific Islander	879	89,538	50	(2/)	(4/)	(2/)	829	20,687
<b>U.S.</b>								
Total Native Hawaiian & Other Pacific Islander	54,749	8,136,445	4,706	6,469,957	39,001	1,430,591	50,043	1,666,488
Native Hawaiian	25,774	4,524,772	2,753	3,767,988	21,680	838,495	23,021	756,784
Guamanian or Chamorro	6,559	702,685	441	493,623	5,194	137,867	6,118	209,062
Samoan	5,892	856,219	348	564,382	2,856	96,987	5,544	(2/)
Other Pacific Islander	17,937	2,306,101	1,257	1,834,573	9,969	385,403	16,680	471,528
Hawaii as a % of U.S.	26.6	27.2	27.3	25.2	26.5	24.5	26.5	34.8

1/ For pay period including March 12.

2/ Withheld because estimates did not meet publication standards.

3/ 250 to 499 employees.

4/ 500 to 999 employees.

Source: U.S. Census Bureau, 2012 Economic Census, 2012 Survey of Business Owners, SB1200CSA01: Statistics for All U.S. Firms by Industry, Gender, Ethnicity, and Race for the U.S., States, Metro Areas, Counties, and Places: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed December 31, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 15.32-- WOMEN-OWNED BUSINESSES FOR  
HAWAII AND THE UNITED STATES: 2012**

[Includes all U.S. firms operating during 2012 with receipts of \$1,000 or more which are classified in the North American Industry Classification System (NAICS) sectors 11 through 99, except for NAICS 111, 112, 482, 491, 521, 525, 813, 814, and 92 which are not covered. Firms with more than one domestic establishment are counted in each geographic area and industry in which they operate, but only once in the U.S. total. Includes women who own 51 percent or more of the equity, interest, or stock of the business. Businesses equally male-/female-owned are counted and tabulated as a separate entity. Details may not add to total or subgroup total because a firm could be tabulated in more than one racial group]

Subject	Total 1/	Women- owned firms 2/	Percent women- owned
Hawaii			
All firms			
Number	118,454	44,453	37.5
Sales, receipts, value of shipments (\$1,000)	102,120,740	7,086,066	6.9
Firms with paid employees			
Number	23,038	4,717	20.5
Sales, receipts, value of shipments (\$1,000)	97,223,349	5,599,536	5.8
Employees 3/	464,922	39,796	8.6
Annual payroll (\$1,000)	17,913,118	1,095,518	6.1
Firms without paid employees			
Number	95,415	39,736	41.6
Sales, receipts, value of shipments (\$1,000)	4,897,391	1,486,530	30.4
U.S.			
All firms			
Number	27,626,360	9,878,397	35.8
Sales, receipts, value of shipments (\$1,000)	33,536,848,821	1,419,834,295	4.2
Firms with paid employees			
Number	5,424,458	1,035,655	19.1
Sales, receipts, value of shipments (\$1,000)	32,495,262,387	1,190,586,438	3.7
Employees 3/	115,249,007	8,431,614	7.3
Annual payroll (\$1,000)	5,236,446,058	263,720,252	5.0
Firms without paid employees			
Number	22,201,902	8,842,742	39.8
Sales, receipts, value of shipments (\$1,000)	1,041,586,434	229,247,857	22.0

1/ All firms whether or not they are owned by women.

2/ Women own 51 percent or more of the interest or stock of the business.

3/ For pay period including March 12.

Source: U.S. Census Bureau, 2012 Economic Census, 2012 Survey of Business Owners, SB1200CSA01: Statistics for All U.S. Firms by Industry, Gender, Ethnicity, and Race for the U.S., States, Metro Areas, Counties, and Places: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed December 31, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 15.33-- BUSINESS INQUIRIES AND COMPLAINTS THROUGH THE BETTER BUSINESS BUREAU, BY TYPE OF INDUSTRY: 2015**

Type of industry 1/	Number of inquiries	Type of industry 1/	Number of complaints	Average settlement per consumer complaint (dollars)
Contractors - general	39,862	Auto dealers - new cars 2/	152	6,697.68
Roofing contractors	19,378	Airlines	97	606.82
Plumbers	18,858	Auto dealers - used cars	80	3,697.06
Electricians	18,824	Travel clubs	50	4,060.96
Dating service	18,540	Restaurants	44	56.69
Construction & remodeling services	15,501	Property management	43	77,700.93
Real estate	14,725	Hotels	40	1,612.54
Property management	14,433	Real estate	39	2,067.25
Attorneys & lawyers	13,153	Television stations & broadcast companies	39	216.73
Air conditioning contractors & systems	13,047	Auto repair & service	35	2,848.25
Travel agencies & bureaus	12,455	Banks	34	45,114.83
Auto repair & service	11,835	Movers	33	852.50
Pest control services	11,177	Plumbers	31	2,074.85
Painting contractors	10,003	Jewelers - retail	30	366.67
Auto renting & leasing	8,512	Towing - automotive	28	196.25
Building contractors	8,487	Contractors - general	27	7,017.94
Solar energy system design & installation	8,267	Internet marketing services	26	85.51
Landscape contractors	8,013	Security control equipment & system monitors	24	2,685.33
Auto dealers - used cars	7,817	Vacation rentals	24	995.13
Auto body repair & painting	7,798	Travel agencies & bureaus	22	2,005.49
Auto dealers - new cars	7,772	Appliances - major - service & repair	22	1,021.65
Jewelers - retail	7,582	Auto renting & leasing	21	299.34
Vacation rentals	7,552	Handyman services	20	7,251.16
Travel clubs	7,100	Auto body repair & painting	20	5,759.70
Internet marketing services	6,697	Roofing contractors	19	6,532.21

1/ Industries listed are those with the highest number of inquiries or complaints.

2/ Includes new car repair issues.

Source: Better Business Bureau of Hawaii, records.

## Section 16

# INFORMATION AND COMMUNICATIONS

This section presents statistics on the usage, finances, and operations of the Postal Service and of various information and communications media: telephone, radio, television, newspapers, periodicals, and books. Sections 12 and 15 contain employment and payroll data for communications establishments.

The major sources for statistics on information and communications are the reports and records of the U.S. Postal Service, Federal Communications Commission, Hawaii State Department of Commerce and Consumer Affairs, and the U.S. Census Bureau. Earlier figures appear in *Historical Statistics of Hawaii*, Section 18. Data on communications for other states and for the nation as a whole are presented in the *Statistical Abstract of the United States: 2012*, Section 24.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#">16.01</a>	Information Establishments (NAICS 51): 2014
<a href="#">16.02</a>	Information (NAICS 51), by Kind of Business or Operation: 2012
<a href="#">16.03</a>	Information (NAICS 51), by County and Selected Economic Place: 2012
<a href="#">16.04</a>	Number of Post Offices and Stations, by Island: September 30, 2015
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<a href="#">16.17</a>	Average Paid Circulation of Daily and Sunday English-Language Newspapers: 2009-2010 to 2012-2013
<a href="#">16.18</a>	Postage Rates and Newspaper Prices, for Honolulu: 2000 to 2016
<a href="#">16.19</a>	Books and Scholarly Journals Published by the University of Hawaii Press: 1991 to 2015

**Table 16.01-- INFORMATION ESTABLISHMENTS (NAICS 51): 2014**

[Excludes most government employees, railroad employees, and self-employed persons. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in the County Business Patterns prior to 1998. Therefore, comparability between the current data and data prior to 1998 may be limited]

<b>NAICS code</b>	<b>Industry</b>	<b>No. of establishments</b>	<b>No. of paid employees for pay period including March 12</b>	<b>Annual payroll (\$1,000)</b>
51	Information	501	8,228	516,050
511	Publishing industries (except internet)	95	1,391	81,608
5111	Newspaper, periodical, book, directory publishers	71	1,206	63,208
5112	Software publishers	24	185	18,400
512	Motion picture & sound recording industries	86	1,048	16,536
5121	Motion picture & video industries	72	992	14,140
5122	Sound recording industries	14	(1/)	2,396
515	Broadcasting (except internet)	53	791	46,579
5151	Radio & television broadcasting	51	775	45,952
517	Telecommunications	189	4,026	308,852
5171	Wired telecommunications carriers	109	3,182	253,753
5172	Wireless telecommunications carriers (except satellite)	59	738	49,065
5174	Satellite telecommunications	5	(1/)	1,909
5179	Other telecommunications	16	(1/)	4,125
518	Data processing, hosting and related services	57	847	54,882
519	Other information services	21	125	7,593

1/ Employment-size class, 20 to 99 employees.

Source: U.S. Census Bureau, *2014 County Business Patterns* <<http://censtats.census.gov>> accessed May 3, 2016.

**Table 16.02-- INFORMATION (NAICS 51), BY KIND OF BUSINESS OR OPERATION: 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

NAICS code	Kind of business or operation	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12 (number)
51	Information	543	(NA)	494,741	8,329
511	Publishing industries (except Internet)	95	462,648	87,415	1,510
5111	Newspaper, periodical, book, and directory publishers	74	389,350	64,800	1,306
5112	Software publishers	21	73,298	22,615	204
512	Motion picture and sound recording industries	97	(NA)	18,444	1,034
5121	Motion picture and video industries	85	(NA)	15,814	956
5122	Sound recording industries	12	(NA)	2,630	78
515	Broadcasting (except Internet)	52	(D)	(D)	(1/)
5151	Radio and television broadcasting	49	153,236	42,373	817
5152	Cable and other subscription programming	15	(D)	(D)	(2/)
517	Telecommunications	214	(NA)	282,407	4,051
5171	Wired telecommunications carriers	109	(NA)	219,367	3,058
5172	Wireless telecommunications carriers (except satellite)	87	(3/)	57,770	933
5174	Satellite telecommunications	6	17,425	3,133	28
5179	Other telecommunications	12	6,401	2,137	32
518	Data processing, hosting and related services	62	167,053	56,866	771
5182	Data processing, hosting, and related services	62	167,053	56,866	771
519	Other information services	23	(D)	(D)	(4/)
5191	Other information services	23	(D)	(D)	(4/)

Continued on next page.

**Table 16.02 -- INFORMATION (NAICS 51), BY KIND OF BUSINESS OR OPERATION: 2012 -- Con.**

NA Not available.

D Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

1/ 500 to 999 employees.

2/ 0 to 19 employees.

3/ Receipts not collected at this level of detail for multiestablishment firms.

4/ 100 to 249 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 51: EC1251A1: Information:

Geographic Area Series, Summary Statistics for the United States, States, Metro Areas, Counties, and Places:

2012, Hawaii <[http://factfinder.census.gov/faces/tableservices/jsf/pages/](http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51A1&prodType=table)

[productview.xhtml?pid=ECN\\_2012\\_US\\_51A1&prodType=table](http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51A1&prodType=table)> accessed April 15, 2015.

**Table 16.03-- INFORMATION (NAICS 51), BY COUNTY AND SELECTED ECONOMIC PLACE: 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees, pay period including March 12 (number)</b>
State total	543	(NA)	494,741	8,329
Honolulu County	384	(NA)	429,456	6,817
Ahuimanu	1	(NA)	(D)	(1/)
Aiea	2	(NA)	(D)	(1/)
East Honolulu	14	(NA)	(D)	(2/)
Ewa Beach	1	(NA)	(D)	(1/)
Halawa	2	(NA)	(D)	(2/)
Haleiwa	3	(NA)	(D)	(1/)
Heeia	1	(NA)	(D)	(1/)
Hickam Housing	1	(NA)	(D)	(1/)
Kahaluu	2	(NA)	(D)	(2/)
Kailua	10	(NA)	1,030	22
Kaneohe	9	(NA)	3,638	133
Kaneohe Station	2	(NA)	(D)	(1/)
Kapolei	5	(NA)	1,839	83
Laie	1	(NA)	(D)	(1/)
Makaha	2	(NA)	(D)	(1/)
Makakilo	1	(NA)	(D)	(1/)
Mililani Mauka	9	(NA)	74,605	956
Mililani Town	6	(NA)	2,247	89
Nanakuli	2	(NA)	(D)	(1/)
Pearl City	10	(NA)	5,151	125
Pupukea	6	(NA)	2,721	24
Royal Kunia	2	(NA)	(D)	(2/)
Schofield Barracks	1	(NA)	(D)	(1/)
Urban Honolulu	265	(NA)	314,145	4,877
Wahiawa	2	(NA)	(D)	(2/)
Waianae	1	(NA)	(D)	(1/)
Waikele	1	(NA)	(D)	(1/)
Waimalu	8	(NA)	3,679	120
Waimanalo	1	(NA)	(D)	(1/)
Waipahu	2	(NA)	(D)	(1/)
Waipio	1	(NA)	(D)	(1/)
Balance of Honolulu County	10	(NA)	6,925	127

Continued on next page.

**Table 16.03-- INFORMATION (NAICS 51), BY COUNTY AND SELECTED ECONOMIC PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees, pay period including March 12 (number)</b>
Hawaii County	66	(NA)	28,843	664
Hawaiian Ocean View	1	(NA)	(D)	(1/)
Hilo	19	(NA)	13,441	336
Holualoa	4	(NA)	(D)	(1/)
Kahaluu-Keauhou	3	(NA)	(D)	(1/)
Kailua	16	(NA)	9,259	209
Kalaoa	5	(NA)	(D)	(2/)
Waimea	1	(NA)	(D)	(1/)
Balance of Hawaii County	17	(NA)	2,313	56
Kauai County	24	(NA)	9,726	223
Hanapepe	1	(NA)	(D)	(1/)
Kapaa	4	(NA)	267	4
Kilauea	1	(NA)	(D)	(1/)
Lihue	13	(NA)	8,488	191
Puhi	1	(NA)	(D)	(1/)
Balance of Kauai County	4	(NA)	(D)	(1/)
Maui County	69	(NA)	26,716	625
Haiku-Pauwela	2	(NA)	(D)	(1/)
Kaanapali	1	(NA)	(D)	(1/)
Kahului	23	(NA)	16,863	388
Kaunakakai	1	(NA)	(D)	(1/)
Kihei	10	(NA)	1,662	61
Kula	2	(NA)	(D)	(1/)
Lahaina	10	(NA)	2,141	51
Lanai	1	(NA)	(D)	(1/)
Makawao	4	(NA)	46	3
Paia	3	(NA)	65	3
Wailea	1	(NA)	(D)	(1/)
Wailuku	8	(NA)	5,115	96
Balance of Maui County	3	(NA)	(D)	(1/)

NA Not available.

D Withheld to avoid disclosing data for individual companies.

1/ 0 to 19 employees.

2/ 20 to 99 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 51: EC1200A1: Information: Geographic Area Series, Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2012, <[http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN\\_2012\\_US\\_51A1&prodType=table](http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51A1&prodType=table)> accessed April 15, 2015.

**Table 16.04-- NUMBER OF POST OFFICES AND STATIONS, BY ISLAND:  
SEPTEMBER 30, 2015**

Island	Total	Cost Ascertainment Group (CAG) 1/				Stations	
		A-G	H-J	K	L	Classified 2/	Contract 3/
State total	113	37	27	6	1	23	19
Hawaii	33	11	12	3	-	2	5
Maui	11	8	2	-	-	1	-
Lanai	1	-	1	-	-	-	-
Molokai	5	1	1	2	1	-	-
Oahu	45	12	4	-	-	18	11
Kauai	18	5	7	1	-	2	3
Niihau 4/	-	-	-	-	-	-	-

1/ Changes in CAG assignments are made at the beginning of the fiscal year. They are determined by the gross revenue from the prior fiscal year as follows: Gross revenue is divided by a revenue unit factor. The revenue unit factor represents the average revenue from mail and special services, including fees, per one thousand pieces of originating mail and special services transactions. CAGs range from A to L.

2/ Staffed by career postal employees.

3/ Operated under a contractual agreement between the Postal Service and an individual contractor.

4/ Niihau is served by the Makaweli Post Office on Kauai.

Source: U.S. Postal Service, Honolulu District, records.

**Table 16.05-- POSTAL SERVICE: 1997 TO 2015**

[Fiscal year ending September 30]

Year	Post offices, September 30	Stations, September 30 1/	Gross postal receipts (\$1,000)	Pieces of mail 2/ (millions)
1997	72	59	172,714	549
1998	72	58	171,816	556
1999	72	61	174,958	560
2000	72	63	176,923	551
2001	72	63	179,182	542
2002	72	63	180,761	540
2003	72	53	193,335	535
2004	72	53	193,148	584
2005	72	53	193,361	588
2006	72	54	193,574	592
2007	72	46	198,228	596
2008	72	46	220,775	536
2009	72	46	251,116	483
2010	72	46	247,727	446
2011	70	43	201,560	595
2012	71	41	202,658	574
2013	71	43	206,241	573
2014	71	42	205,496	554
2015	71	42	202,288	543

1/ Includes both classified and contract stations (see preceding table).

2/ Originating in Hawaii.

Source: U.S. Postal Service, Honolulu District, records.

**Table 16.06-- TELEPHONE STATISTICAL SUMMARY: 2000 TO 2014**

Subject	Number or percent
Telecommunications revenues (\$ million)	
2000	1,177
2001	1,207
2002	1,200
2003	1,212
2004	1,196
2005	1,229
2006	1,184
2007	1,261
Telephone penetration 1/	
2000	94.7
2001	95.7
2002	96.8
2003	97.3
2004	95.4
2005	94.8
2006	95.5
2007	96.0
2008	96.5
2009	97.7
2010	95.7
July 2011	94.9
2013	96.4
2014	95.7
Mobile wireless telephone subscribers	
June 2000	454,364
Dec. 2000	524,291
June 2001	543,283
Dec. 2001	595,721
June 2002	640,247
Dec. 2002	689,857
June 2003	732,262
Dec. 2003	771,023
June 2004	819,262
Dec. 2004	880,965
June 2005	934,405
Dec. 2005	983,227
June 2006	1,010,341
Dec. 2006	1,034,788
June 2007	1,066,608
Dec. 2008	1,184 (1,000s)

1/ Annual average percentage of households with telephone service.

Source: Federal Communications Commission, *Trends in Telephone Service* <[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-301823A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-301823A1.pdf)> accessed June 29, 2012, and various issues; and *Telephone Subscribership in the United States* <[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-311523A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-311523A1.pdf)> accessed July 17, 2013; and *Universal Service Monitoring Report* <<https://www.fcc.gov/general/federal-state-joint-board-monitoring-reports>> accessed March 28, 2016.

**Table 16.07-- PERCENT OF HOUSEHOLDS WITH A TELEPHONE,  
COMPUTER, AND INTERNET USE: 1997 TO 2010**

Year	Telephone		Computer		Internet use	
	U.S.	Hawaii	U.S.	Hawaii	U.S.	Hawaii
1997	93.8	94.1	36.6	34.6	18.6	(NA)
1998	94.1	93.2	42.1	42.3	26.2	27.9
2000	(NA)	(NA)	51.0	52.4	41.5	43.0
2001	(NA)	(NA)	56.5	63.1	50.5	55.2
2003	(NA)	(NA)	61.8	63.3	54.6	55.0
2007	(NA)	(NA)	(NA)	(NA)	1/ 61.7	1/ 64.1
2009	(NA)	(NA)	(NA)	(NA)	1/ 68.7	1/ 73.3
2010	(NA)	(NA)	(NA)	(NA)	1/ 71.06	1/ 71.09

NA Not available.

1/ In the home usage.

Source: National Telecommunications and Information Administration, *Falling Through the Net: Defining the Digital Divide*, July 8, 1999; *Falling Through the Net II: New Data on the Digital Divide*, July 1998 <<http://www.ntia.doc.gov/ntiahome/digitaldivide>>; *Falling Through the Net: Toward Digital Inclusion*, October 2000 <<http://www.ntia.doc.gov/ntiahome/fttn00/Falling.htm>>; *A Nation Online: How Americans are Expanding Their Use of the Internet*, February 2002, <<http://www.ntia.doc.gov/ntiahome/dn/hhs/TableH1.htm>> and <<http://www.ntia.doc.gov/ntiahome/dn/hhs/TableH2.htm>> accessed November 14, 2003; *A Nation Online: Entering the Broadband Age*, September 2004, <<http://www.ntia.doc.gov/reports/anol/index.html>> accessed June 10, 2005; U.S. Census Bureau, *Statistical Abstract of the United States: 2004-2005* (p. 732); U.S. Census Bureau, *Statistical Abstract of the United States: 2009* (p. 710) <<http://www.census.gov/prod/2008pubs/09statab/infocomm.pdf>> accessed June 3, 2009; U.S. Census Bureau, *Statistical Abstract of the United States: 2011* (p. 724) <<http://www.census.gov/prod/2011pubs/11statab/infocomm.pdf>> accessed April 15, 2011 and U.S. Census Bureau, *Statistical Abstract of the United States: 2012* (p. 724) <<http://www.census.gov/prod/2011pubs/12statab/infocomm.pdf>> accessed April 25, 2012.

**Table 16.08-- STATUS OF TELEPHONE USAGE OF HOUSEHOLD POPULATION:  
2012**

[Percent of persons living in household, period ending June]

Year	Adults aged 18 years and over	Children under age 18 years
Wireless-only	31.6	43.8
Wireless-mostly	19.6	18.6
Dual-use	28.9	28.6
Landline-mostly	11.6	1/ 3.7
Landline-only	6.5	1/ 3.5
No telephone service 2/	1.7	1.7

1/ Estimate has relative standard error greater than 30% and less than or equal to 50% and is considered unreliable.

2/ The proportion of children and adults living in households with no telephone service was not modeled. Other proportions were adjusted so that this estimate agreed with the 2010 American Community Survey estimate for this proportion.

Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics, *National Health Statistics Reports, Wireless Substitution: State-level Estimates From the National Health Interview Survey, 2011-2012* (Number 70), Tables 2 and 3 <<http://www.cdc.gov/nchs/data/nhsr/nhsr070.pdf>> accessed May 16, 2014.

**Table 16.09-- STATUS OF WIRELESS TELEPHONE USAGE OF HOUSEHOLD POPULATION: 2007 TO 2012**

[Percent of persons living in household]

Year	Adults aged 18 years and over	Children under age 18 years
January - December 2007	9.3	1/ 7.5
July 2007 - June 2008	10.5	11.1
January - December 2008	12.6	14.6
July 2008 - June 2009	15.6	16.1
January - December 2009	19.7	20.4
July 2009 - June 2010	21.8	23.6
January - December 2010	23.1	29.0
July 2010 - June 2011	24.8	34.2
January - December 2011	26.0	35.6
July 2011 - June 2012	29.2	38.8
January - December 2012	31.6	43.8

1/ Estimate has a relative standard error greater than 30% and does not meet National Center for Health Statistics standards for reliability or precision.

Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics, *National Health Statistics Reports, Wireless Substitution: State-level Estimates From the National Health Interview Survey*, January 2007-June 2010: April 20, 2011 (Number 39), Tables 1 and 2 <<http://www.cdc.gov/nchs/data/nhsr/nhsr039.pdf>> accessed July 7, 2011 and 2010-2011; October 12, 2012 (Number 61), Table 1 <<http://www.cdc.gov/nchs/data/nhsr/nhsr061.pdf>> accessed June 24, 2013; and December 18, 2013 Table 1 <<http://www.cdc.gov/nchs/data/nhsr/nhsr061.pdf>> accessed May 16, 2014.

**Table 16.10-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS IN HOUSEHOLD: 2014**

Subject	United States		Hawaii	
	Number of households	Percentage of total households	Number of households	Percentage of total households
Total households	117,259,427	100.0	450,769	100.0
With an internet subscription	88,867,066	75.8	366,200	81.2
Dial-up alone	853,190	0.7	3,005	0.7
DSL	16,388,569	14.0	52,041	11.5
With mobile broadband	6,276,181	5.4	23,522	5.2
Without mobile broadband	10,112,388	8.6	28,519	6.3
Cable modem	45,321,587	38.7	246,232	54.6
With mobile broadband	19,438,242	16.6	125,049	27.7
Without mobile broadband	25,883,345	22.1	121,183	26.9
Fiber-optic	6,833,133	5.8	8,107	1.8
With mobile broadband	3,153,362	2.7	4,977	1.1
Without mobile broadband	3,679,771	3.1	3,130	0.7
Satellite internet service	3,177,272	2.7	4,847	1.1
With mobile broadband	1,161,156	1.0	1,605	0.4
Without mobile broadband	2,016,116	1.7	3,242	0.7
Two or more fixed broadband types, or other	9,387,291	8.0	31,330	7.0
With mobile broadband	5,102,909	4.4	19,058	4.2
Without mobile broadband	4,284,382	3.7	12,272	2.7
Mobile broadband alone or with dial-up	6,906,024	5.9	20,638	4.6
Internet access without a subscription	4,793,746	4.1	12,387	2.7
No internet access	23,598,615	20.1	72,182	16.0

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, Table B28002 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 24, 2016, and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 16.11-- PRESENCE AND TYPES OF INTERNET  
SUBSCRIPTIONS BY HOUSEHOLD INCOME IN THE LAST  
12 MONTHS: 2014**

Subject	Type of internet subscription			
	Total	With dial-up internet subscription	With a broadband internet subscription	Without an internet subscription
Households				
All income groups	450,769	3,005	363,195	84,569
Less than \$10,000	25,911	88	12,622	13,201
\$10,000 to \$19,999	31,787	632	17,883	13,272
\$20,000 to \$34,999	48,475	325	31,386	16,764
\$35,000 to \$49,999	52,095	348	39,365	12,382
\$50,000 to \$74,999	84,919	562	70,059	14,298
\$75,000 or more	207,582	1,050	191,880	14,652
Percent				
All income groups	100.0	0.7	80.6	18.8
Less than \$10,000	100.0	0.3	48.7	50.9
\$10,000 to \$19,999	100.0	2.0	56.3	41.8
\$20,000 to \$34,999	100.0	0.7	64.7	34.6
\$35,000 to \$49,999	100.0	0.7	75.6	23.8
\$50,000 to \$74,999	100.0	0.7	82.5	16.8
\$75,000 or more	100.0	0.5	92.4	7.1

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, Table B28004 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 24, 2016, and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 16.12-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS, BY AGE GROUP: 2014**

Subject	United States		Hawaii	
	Number of population	Percentage of the age group	Number of population	Percentage of the age group
Total population	310,792,895	100.0	1,375,345	100.0
Has a computer	278,272,948	89.5	1,265,223	92.0
With dial-up internet subscription alone	1,930,155	0.6	8,589	0.6
With a broadband internet subscription	246,514,117	79.3	1,168,221	84.9
Without an internet subscription	29,828,676	9.6	88,413	6.4
No computer	32,519,947	10.5	110,122	8.0
Under 18 years	73,363,589	100.0	306,287	100.0
Has a computer	68,359,527	93.2	294,540	96.2
With dial-up internet subscription alone	309,724	0.4	1,390	0.5
With a broadband internet subscription	60,083,604	81.9	274,741	89.7
Without an Internet subscription	7,966,199	10.9	18,409	6.0
No computer	5,004,062	6.8	11,747	3.8
18 to 64 years	192,700,998	100.0	848,789	100.0
Has a computer	176,996,189	91.9	796,941	93.9
With dial-up internet subscription alone	1,014,368	0.5	4,366	0.5
With a broadband internet subscription	157,598,099	81.8	737,166	86.8
Without an internet subscription	18,383,722	9.5	55,409	6.5
No computer	15,704,809	8.1	51,848	6.1
65 years and over	44,728,308	100.0	220,269	100.0
Has a computer	32,917,232	73.6	173,742	78.9
With dial-up internet subscription alone	606,063	1.4	2,833	1.3
With a broadband internet subscription	28,832,414	64.5	156,314	71.0
Without an internet subscription	3,478,755	7.8	14,595	6.6
No computer	11,811,076	26.4	46,527	21.1

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates, Table B28005 <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 24, 2016, and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 16.13-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS,  
AND REVENUES, BY COUNTY: 2004 TO 2015**

[As of December 31]

Category and year	State	County			
		Hawaii	Maui	Honolulu	Kauai
Number of systems					
2004	1/ 6	2	2	1	1
2005	1/ 6	2	2	1	1
2006	1/ 6	2	2	1	1
2007	1/ 6	2	2	1	1
2008	1/ 6	2	2	1	1
2009	1/ 6	2	2	1	1
2010	1/ 6	2	2	1	1
2011	1/ 7	2	2	2	1
2012	1/ 7	2	2	2	1
2013	1/ 7	2	2	2	1
2014	1/ 7	2	2	2	1
2015	1/ 7	2	2	2	1
Subscribers					
2004	389,498	38,991	50,814	278,336	21,357
2005	394,184	38,955	51,626	282,225	21,378
2006	407,299	46,274	52,937	284,038	24,050
2007	411,957	47,959	54,637	285,811	23,550
2008	414,019	48,413	54,569	287,429	23,608
2009	413,373	48,149	54,447	287,266	23,511
2010	410,347	48,073	53,519	284,945	23,810
2011	403,515	47,041	53,014	279,730	23,730
2012	(D)	(D)	(D)	(D)	(D)
2013	(D)	(D)	(D)	(D)	(D)
2014	(D)	(D)	(D)	(D)	(D)
2015	(D)	(D)	(D)	(D)	(D)

Continued on next page.

**Table 16.13-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS,  
AND REVENUES, BY COUNTY: 2004 TO 2015 -- Con.**

Category and year	State	County			
		Hawaii	Maui	Honolulu	Kauai
Basic service revenue (\$1,000)					
2004	145,527	16,722	18,903	101,318	8,582
2005	153,095	17,883	19,861	106,248	9,102
2006	161,329	19,181	20,997	111,308	9,842
2007	168,551	20,478	22,066	115,633	10,373
2008	181,359	21,764	23,381	125,251	10,963
2009	187,954	22,340	24,034	130,298	11,281
2010	188,374	22,554	24,350	129,900	11,568
2011	195,002	23,763	25,127	133,934	12,176
2012	199,917	24,775	26,298	136,067	12,777
2013	(D)	(D)	(D)	(D)	(D)
2014	(D)	(D)	(D)	(D)	(D)
2015	(D)	(D)	(D)	(D)	(D)

D Data not shown separately to avoid disclosure of individual operations.

1/ Oceanic Time Warner Cable of Hawaii has 6 systems. Hawaiian Telcom Services Co. has 1 system.

Source: Hawaii State Department of Commerce and Consumer Affairs, Cable Television Division and records.

**Table 16.14-- RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, 1930 TO 2016, AND BY COUNTY, 2016**

Date and county	Commercial			Public or educational		
	AM	FM	TV 1/	AM	FM	TV 1/
1930: January 1	1	-	-	-	-	-
1935: January 1	2	-	-	-	-	-
1940: January 1	3	-	-	-	-	-
1945: January 1	4	-	-	-	-	-
1950: June 7	12	-	-	-	-	-
1955: January 1	13	1	3	-	1	-
1960: January 1	17	1	7	-	2	-
1965: January 1	23	2	10	-	-	-
1970: January 1	25	4	10	-	1	2
1975: January 1	26	5	10	-	1	2
1980: January 1	25	10	10	-	1	2
1985: June 30	26	17	13	-	2	2
1990: June 30	28	21	19	-	3	2
1995: June 30	29	33	20	1	3	2
2000	28	40	23	1	7	2
2001	28	40	23	1	7	2
2002	31	45	23	1	8	2
2005: June 14	32	46	25	-	9	2
2006: June 20	31	45	25	-	10	2
2007: June 19	31	47	25	-	11	2
2008: June 16	31	53	25	-	11	2
2009: June 2	32	56	13	-	11	1
2010: June 22	32	57	21	-	11	1
2011: June 28	32	57	23	-	13	2
2012: June 13	33	57	24	-	13	2
2013: June 25	33	61	30	-	15	2
2014: June 2	34	60	2/ 26	-	18	2
2015: May 29	34	62	2/ 25	2	28	2
2016: June 30	33	64	25	2	21	2
COUNTY: 2016						
Hawaii	7	17	6	-	4	-
Maui	6	14	5	1	6	1
Honolulu	19	25	14	1	9	1
Kauai	1	8	-	-	2	-

1/ Includes licensed stations that are digital television.

2/ Revised from previous *Data Book*.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), p. 482; Federal Communications Commission, Field Operations Bureau, Honolulu, records; R.R. Bowker, *Working Press of the Nation*, Vol. 3, TV & Radio Directory, annual (for 2000-2002) and Federal Communications Commission, Media Bureau, Internet Queries (for 2005-16) <<http://www.fcc.gov/encyclopedia/audio-division-media-bureau>> accessed June 30, 2016.

**Table 16.15-- NUMBER OF DAILY NEWSPAPERS, BY PLACE OF PUBLICATION AND LANGUAGE: 1975 TO 1999**

[The earliest daily newspaper in Hawaii, *The Daily Hawaiian Herald*, first appeared September 4, 1866 and was discontinued December 21, 1866. Permanent dailies were initially published in 1882. Five-year statistics from 1885 to 1975 appear in *Historical Statistics of Hawaii* (1977), table 18.5]

Subject	1975	1980	1985	1990	1995	1999
Totals	7	6	9	9	10	11
Language						
Chinese	2	1	1	1	1	1
English	3	3	6	6	6	6
Hawaiian	-	-	-	-	-	-
Japanese 1/	2	2	1	1	1	1
Korean	-	-	1	1	2	3
Place of publication						
Honolulu, Oahu	6	5	5	5	6	7
Hilo, Hawaii	1	1	1	1	1	1
Kailua-Kona, Hawaii	-	-	1	1	1	1
Lihue, Kauai	-	-	1	1	1	1
Wailuku, Maui	-	-	1	1	1	1

1/ Includes English section.

Source: Aloha United Way, *Hawaii Media Guide* for 1977-1985; *Hawaii All-Media Publicity Guide*, 1987, 1991, 1996 and 1997; and Helen G. Chapin, *Guide to Newspapers of Hawai'i 1834-2000* (Hawaiian Historical Society, 2000).

**Table 16.16-- NUMBER OF NEWSPAPERS, TOTAL AND DAILY:  
1834 TO 2000**

Year	Total	Daily	Year	Total	Daily
1834 1/	2	-	1920	56	11
1835	1	-	1925	52	7
1840	2	-	1930	61	6
1845	5	-	1935	62	8
1850	4	-	1940	70	7
1855	5	-	1945	82	8
1860	9	-	1950	91	7
1865	5	-	1955	100	7
1870	11	-	1960	102	7
1875	7	-	1965	102	7
1880	10	-	1970	132	7
1885	20	4	1975	140	7
1890	20	5	1980	152	6
1895	35	7	1985	140	9
1900	43	8	1990	149	9
1905	50	11	1995	152	10
1910	54	7	2000	135	10
1915	48	8			

1/ The two earliest newspapers in Hawaii were both established in 1834.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (The University Press of Hawaii, 1977), table 18.5; and Helen G. Chapin, *Guide to Newspapers of Hawai'i 1834-2000* (Hawaiian Historical Society, 2000), pp. 127-226.

**Table 16.17-- AVERAGE PAID CIRCULATION OF DAILY AND SUNDAY  
ENGLISH-LANGUAGE NEWSPAPERS: 2009-2010 TO 2012-2013**

[Averages for 12-month periods ended in March. Foreign-language daily newspapers, not included in this table, are the *Hawaii Hochi*, Japanese and English; *The Joong-Ang Daily News*, Korea Times/*Han Kook Ilbo* and *Korea Central Daily*, Korean; and *United Chinese Press*, Chinese]

<b>Newspaper</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>2011-2012</b>	<b>2012-2013</b>
Daily				
<i>The Honolulu Advertiser</i>	(1/)	(NA)	(NA)	(NA)
<i>Honolulu Star-Advertiser</i>	120,078	121,921	123,400	(NA)
<i>Honolulu Star-Bulletin</i>	(1/)	(NA)	(NA)	(NA)
<i>Hawaii Tribune-Herald</i> (Hilo)	17,409	16,924	16,152	15,514
<i>West Hawaii Today</i> (Kailua-Kona)	(NA)	(NA)	(NA)	(NA)
<i>Maui News</i> (Wailuku)	18,770	18,247	17,521	17,387
<i>Garden Island</i> (Lihue)	(NA)	11,257	(NA)	(NA)
Sunday morning				
<i>The Honolulu Advertiser</i>	(1/)	(NA)	(NA)	(NA)
<i>Honolulu Star-Advertiser</i>	132,281	136,179	138,055	(NA)
<i>Honolulu Star-Bulletin</i>	(1/)	(NA)	(NA)	(NA)
<i>Hawaii Tribune-Herald</i> (Hilo)	19,726	19,258	19,090	18,227
<i>West Hawaii Today</i> (Kailua-Kona)	(NA)	(NA)	(NA)	(NA)
<i>Maui News</i> (Wailuku)	20,886	20,590	19,809	19,662
<i>Garden Island</i> (Lihue)	(NA)	8,888	(NA)	(NA)

NA Not available.

1/ *The Honolulu Advertiser* and *Honolulu Star Bulletin* merged on June 7, 2010 to form the *Honolulu Star-Advertiser*.

Source: Data provided by newspaper publishers to Hawaii State Department of Business, Economic Development & Tourism.

**Table 16.18-- POSTAGE RATES AND NEWSPAPER PRICES, FOR HONOLULU:  
2000 TO 2016**

[In cents. As of July 1 unless otherwise specified]

Year	Domestic first-class postage rates			Newspaper price 1/			
	Letters		Postal and post cards	Daily	Sunday		
	First ounce	Each added ounce			<i>The Honolulu Star Advertiser</i>	<i>The Honolulu Advertiser</i>	<i>Honolulu Star-Bulletin</i>
2000	33	22	20	50	(X)	175	(X)
2001	34	23	21	50	(X)	175	(X)
2002	37	23	23	50	(X)	175	75
2003	37	23	23	50	(X)	175	75
2004	37	23	23	50	(X)	175	75
2005	37	23	23	50	(X)	175	75
2006	39	24	24	50	(X)	175	75
2007	41	2/ 17	26	50	(X)	175	75
2008	42	2/ 17	27	50	(X)	175	75
2009	44	3/ 17	28	(4/)	(X)	200	100
2010	44	3/ 17	28	(4/)(5/)	(X)	5/ 200	5/ 100
2011	44	6/ 20	29	75	200	(X)	(X)
2012	45	7/ 20	32	75	200	(X)	(X)
2013	46	8/ 20	33	100	225	(X)	(X)
2014	49	9/ 21	34	100	225	(X)	(X)
2015	49	10/ 22	35	100	225	(X)	(X)
2016	47	11/ 21	35	100	225	(X)	(X)

Continued on next page.

**Table 16.18-- POSTAGE RATES AND NEWSPAPER PRICES, FOR HONOLULU:  
2000 TO 2016 -- Con.**

X Not applicable.

1/ Street sales, for *The Honolulu Advertiser* (daily, Oahu, all years), *Honolulu Star-Bulletin* (daily, all years), the *Sunday Star-Bulletin and Advertiser* (through February 27, 1993), and the *Sunday The Honolulu Advertiser* (beginning March 7, 1993). The *Honolulu Star-Bulletin*, under new owner Oahu Publications, began to publish on March 15, 2001, with the first Sunday edition on April 1, 2001.

2/ For weight not over 2 ounces \$0.59, for weight not over 3 ounces \$0.76, for weight not over 3.5 ounces \$0.93, and for weights over 3.5 ounces flat-size rates are used.

3/ For weight not over 2 ounces \$0.61, for weight not over 3 ounces \$0.78, for weight not over 3.5 ounces \$0.95, and for weights over 3.5 ounces flat-size rates are used.

4/ \$0.75 for *The Honolulu Advertiser*, \$0.50 for *The Honolulu Star-Bulletin*.

5/ As of June 4, 2010 for Daily and as of June 6, 2010 for Sunday paper. Star-Advertiser emerged from the sale of *The Honolulu Advertiser* to the *Honolulu Star-Bulletin* on June 7, 2010.

6/ For weight not over 2 ounces \$0.64, for weight not over 3 ounces \$0.84, for weight not over 3.5 ounces \$1.04, and for weights over 3.5 ounces flat-size rates are used.

7/ For weight not over 2 ounces \$0.65, for weight not over 3 ounces \$0.85, for weight not over 3.5 ounces \$1.05, and for items over 3.5 ounces, large envelope or package prices are used.

8/ For weight not over 2 ounces \$0.66, for weight not over 3 ounces \$0.86, for weight not over 3.5 ounces \$1.06, and for items over 3.5 ounces, large envelope or package prices are used.

9/ For weight not over 2 ounces \$0.70, for weight not over 3 ounces \$0.91, for weight not over 3.5 ounces \$1.12, and for items over 3.5 ounces, large envelope or package prices are used.

10/ For weight not over 2 ounces \$0.71, for weight not over 3 ounces \$0.93, for weight not over 3.5 ounces \$1.15, and for items over 3.5 ounces, large envelope or package prices are used.

11/ For weight not over 2 ounces \$0.68, for weight not over 3 ounces \$0.89, for weight not over 3.5 ounces \$1.10, and for items over 3.5 ounces, large envelope or package prices are used.

Source: Postal rates from U.S. Census Bureau, *Statistical Abstract of the United States: 2002*, table 1094, and U.S. Postal Service, *Rates and Fees*, see also <<https://www.usps.com/ship/first-class.htm?>>>. Newspaper rates from *The Honolulu Star-Advertiser*.

**Table 16.19-- BOOKS AND SCHOLARLY JOURNALS PUBLISHED BY THE  
UNIVERSITY OF HAWAII PRESS: 1991 TO 2015**

Year	Published titles 1/		New books and journals published 3/		Volumes sold 3/	Book sales revenues 3/ (dollars)
	Cumulative total 2/	In print	Books	Scholarly journals		
1991	1,024	705	53	12	365,790	2,721,480
1992	1,072	717	48	12	350,274	2,611,388
1993	1,123	738	51	12	354,063	2,859,494
1994	1,183	772	60	13	378,807	2,960,051
1995	1,257	790	74	13	385,673	3,014,268
1996	1,323	823	54	12	374,168	2,896,316
1997	1,402	833	65	12	322,378	3,182,690
1998	1,486	818	84	12	290,199	3,042,984
1999	1,572	897	83	12	272,407	3,365,336
2000	1,650	930	82	12	320,509	3,340,336
2001	1,748	1,003	84	12	316,978	3,583,534
2002	1,854	1,063	93	13	299,272	3,632,013
2003	1,948	1,113	83	14	310,407	3,221,852
2004	2,052	1,169	88	14	307,481	3,769,678
2005	2,143	1,209	78	13	282,093	3,595,126
2006	2,233	1,294	78	14	321,672	4,002,717
2007	2,323	1,289	80	14	283,047	3,719,467
2008	2,401	1,396	73	14	257,537	3,735,513
2009	2,497	1,477	90	14	225,861	3,271,155
2010	2,559	1,485	58	14	207,283	3,277,930
2011	2,636	1,539	77	14	210,459	3,135,110
2012	2,710	1,591	74	14	233,994	3,221,734
2013	2,771	1,591	61	16	229,405	3,346,534
2014	2,799	1,357	73	16	220,553	3,324,607
2015	2,892	1,342	92	16	190,706	3,521,581

1/ As of June 30. Excludes journals.

2/ Includes books and other media, but not journals.

3/ Year ending June 30.

Source: The University of Hawaii Press, *Annual Report* and records.

## Section 17

# ENERGY AND SCIENCE

This section presents statistics on fuel resources, energy production and consumption, the electric and gas utility industries, research and development, and scientific, engineering, and technological resources. Related series are cited in Sections 12 (utility employment), 14 (prices), and 18 (gasoline consumption).

Information on energy and science can be obtained from reports and records of the U.S. Department of Energy; U.S. Patent and Trademark Office; U.S. Bureau of Labor Statistics; National Science Foundation; Hawaii State Department of Taxation; Hawaii State Department of Commerce and Consumer Affairs; Hawaii State Department of Business, Economic Development & Tourism, Strategic Industries Division; University of Hawaii, Institute of Astronomy; and individual utility companies. *Historical Statistics of Hawaii*, Section 19, presents data for earlier years. Data for the nation as a whole can be found in the *Statistical Abstract of the United States: 2012*, Sections 16 and 19.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

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**Table 17.01-- CONSUMPTION OF ENERGY, BY SOURCE  
(PHYSICAL UNITS): 1960 TO 2013**

Year	Coal (1,000 short tons)	Natural gas 1/ (billion cubic feet)	Petroleum (1,000 barrels)	Hydroelectric power 2/ (million kWh)	Fuel ethanol 3/
1960	-	-	16,844	27	(NA)
1961	-	-	20,074	24	(NA)
1962	-	-	19,015	20	(NA)
1963	-	-	19,931	23	(NA)
1964	-	-	21,257	115	(NA)
1965	-	-	22,478	105	(NA)
1966	-	-	25,113	112	(NA)
1967	-	-	28,252	108	(NA)
1968	-	-	31,456	94	(NA)
1969	-	-	33,007	100	(NA)
1970	-	-	34,105	108	(NA)
1971	-	-	36,734	89	(NA)
1972	-	-	37,753	91	(NA)
1973	-	-	38,826	95	(NA)
1974	-	-	36,739	92	(NA)
1975	-	-	37,097	89	(NA)
1976	-	-	38,047	93	(NA)
1977	-	-	40,326	86	(NA)
1978	-	-	40,945	84	(NA)
1979	-	-	44,660	90	(NA)
1980	-	3	43,562	86	(NA)
1981	-	3	38,811	80	4
1982	47	3	35,706	90	1
1983	42	3	36,291	84	-
1984	38	2	37,297	82	-
1985	46	2	40,006	86	-
1986	16	2	39,044	78	-
1987	63	3	39,389	82	-
1988	50	3	45,902	81	-
1989	32	3	48,021	56	-
1990	29	3	50,015	80	-
1991	45	3	45,758	71	-
1992	303	3	46,655	61	-
1993	691	3	41,392	56	-
1994	704	3	44,843	139	-
1995	895	3	43,842	98	-
1996	930	3	41,631	104	-
1997	933	3	39,829	115	-
1998	822	3	40,493	121	-
1999	801	3	39,662	115	-
2000	816	3	40,591	103	-

Continued on next page.

**Table 17.01-- CONSUMPTION OF ENERGY, BY SOURCE  
(PHYSICAL UNITS): 1960 TO 2013-- Con.**

Year	Coal (1,000 short tons)	Natural gas 1/ (billion cubic feet)	Petroleum (1,000 barrels)	Hydroelectric power 2/ (million kWh)	Fuel ethanol 3/
2001	829	3	41,479	101	-
2002	748	3	44,772	95	-
2003	837	3	46,861	91	-
2004	857	3	49,098	94	-
2005	805	3	51,267	96	341
2006	778	3	51,564	120	390
2007	850	3	52,905	92	497
2008	937	3	42,397	84	918
2009	878	3	41,920	113	1,051
2010	803	3	42,090	70	4/ 803
2011	783	3	43,773	93	4/ 931
2012	803	3	4/ 42,434	115	4/ 845
2013	753	3	41,626	78	867

NA Not available.

1/ Includes supplemental gaseous fuels.

2/ Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.

3/ Includes denaturant.

4/ Revised from previous *Data Book*.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, 1960-2013, Hawaii, and earlier editions <[http://www.eia.gov/state/seds/sep\\_use/total/pdf/use\\_HI.pdf](http://www.eia.gov/state/seds/sep_use/total/pdf/use_HI.pdf)> accessed March 14, 2016.

**Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1960 TO 2013**

[Trillion Btu]

Year	Total 1/	Fossil fuels			Renewable energy					Fossil fuels (as commingled)	
		Coal	Natural gas 2/	Petro- leum	Hydro- electric power 3/	Biomass	Geo- thermal	Solar/PV 4/	Wind	Natural Gas 2/ 5/	Motor Gasoline 2/ 6/
1960	94.9	-	-	94.6	0.3	-	-	(NA)	(NA)	-	18.0
1961	113.8	-	-	113.5	0.3	-	-	(NA)	(NA)	-	18.6
1962	108.3	-	-	108.1	0.2	-	-	(NA)	(NA)	-	19.5
1963	114.3	-	-	113.9	0.2	0.2	-	(NA)	(NA)	-	19.7
1964	123.5	-	-	122.1	1.2	0.2	-	(NA)	(NA)	-	20.3
1965	130.6	-	-	129.3	1.1	0.2	-	(NA)	(NA)	-	21.4
1966	145.5	-	-	144.2	1.2	0.1	-	(NA)	(NA)	-	22.6
1967	163.9	-	-	162.5	1.1	0.3	-	(NA)	(NA)	-	23.8
1968	182.8	-	-	181.1	1.0	0.7	-	(NA)	(NA)	-	25.6
1969	190.9	-	-	189.1	1.0	0.7	-	(NA)	(NA)	-	27.2
1970	197.0	-	-	195.4	1.1	0.4	-	(NA)	(NA)	-	29.9
1971	211.7	-	-	210.4	0.9	0.3	-	(NA)	(NA)	-	30.8
1972	218.1	-	-	216.6	0.9	0.6	-	(NA)	(NA)	-	32.6
1973	224.3	-	-	222.8	1.0	0.5	-	(NA)	(NA)	-	34.7
1974	212.1	-	-	210.6	1.0	0.6	-	(NA)	(NA)	-	34.4
1975	214.4	-	-	212.9	0.9	0.6	-	(NA)	(NA)	-	35.5
1976	220.1	-	-	218.4	1.0	0.7	-	(NA)	(NA)	-	36.9
1977	233.4	-	-	232.0	0.9	0.5	-	(NA)	(NA)	-	38.9
1978	237.0	-	-	235.8	0.9	0.3	-	(NA)	(NA)	-	40.1
1979	256.7	-	-	255.4	0.9	0.3	-	(NA)	(NA)	-	39.4
1980	262.5	-	-	249.6	0.9	11.9	-	(NA)	(NA)	3.0	38.0
1981	236.8	-	-	223.2	0.8	12.7	-	(NA)	(NA)	2.8	37.7
1982	218.3	1.1	-	203.8	0.9	12.4	-	(NA)	(NA)	2.8	38.1
1983	221.3	1.0	-	205.4	0.9	14.0	-	(NA)	-	2.7	38.0
1984	232.4	0.9	-	216.1	0.9	14.3	0.2	-	-	2.4	39.5
1985	248.6	1.1	-	232.1	0.9	14.2	0.2	-	-	2.7	39.9
1986	245.3	0.4	-	227.6	0.8	16.3	0.2	-	-	2.7	41.4
1987	249.5	1.6	0.2	228.9	0.9	17.8	0.1	-	-	2.8	43.0
1988	289.7	1.2	-	268.0	0.8	19.4	0.2	-	-	2.8	44.5
1989	309.8	0.8	-	280.1	0.6	27.0	0.1	0.8	0.3	2.9	46.0
1990	321.4	0.7	-	292.8	0.8	25.9	(7/)	0.9	0.3	3.0	45.5
1991	295.2	1.1	-	266.6	0.7	25.4	(7/)	1.0	0.4	2.9	47.1
1992	306.1	6.8	-	272.5	0.6	24.9	(7/)	1.0	0.2	2.9	46.6
1993	8/ 283.0	15.6	-	8/ 239.5	0.6	24.4	1.6	1.1	0.2	2.8	8/ 47.4
1994	299.4	15.7	-	258.2	1.4	20.7	1.9	1.1	0.2	2.9	48.9
1995	297.1	19.9	-	252.5	1.0	19.8	2.4	1.2	0.2	2.9	49.1
1996	283.3	20.4	-	238.8	1.1	19.1	2.5	1.2	0.2	2.8	48.9
1997	273.6	20.5	-	230.6	1.2	17.4	2.5	1.3	0.2	2.7	48.8
1998	273.6	18.2	-	233.6	1.2	16.5	2.4	1.3	0.2	2.8	48.7
1999	269.5	17.7	-	230.0	1.2	17.0	2.2	1.3	0.2	2.9	46.7
2000	273.5	17.7	0.1	235.3	1.1	15.2	2.7	1.3	0.2	3.0	48.4

Continued on next page.

**Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1960 TO 2013-- Con.**

[Trillion Btu]

Year	Total 1/	Fossil fuels			Renewable energy					Fossil fuels (as commingled)	
		Coal	Natural gas 2/	Petro- leum	Hydro- electric power 3/	Biomass	Geo- thermal	Solar/PV 4/	Wind	Natural Gas 2/ 5/	Motor Gasoline 2/ 6/
2001	270.3	17.8	0.1	239.9	1.0	7.9	2.1	1.3	(7/)	2.9	50.6
2002	284.9	16.6	0.1	257.6	1.0	7.5	0.7	1.3	(7/)	2.9	54.3
2003	8/ 302.3	19.3	0.1	8/ 269.5	0.9	9.3	1.8	1.4	(7/)	2.9	8/ 55.1
2004	8/ 316.3	19.3	0.2	8/ 282.9	0.9	9.3	2.1	1.4	0.1	2.9	8/ 55.9
2005	8/ 326.5	18.0	0.2	8/ 293.9	1.0	9.6	2.2	1.5	0.1	2.9	8/ 57.1
2006	8/ 328.9	17.5	0.2	8/ 295.6	1.2	9.9	2.1	1.6	0.8	2.9	8/ 59.9
2007	8/ 340.0	19.0	0.2	8/ 303.7	0.9	9.7	2.3	1.8	2.4	3.0	8/ 58.5
2008	8/ 279.1	20.2	0.1	8/ 239.3	0.8	11.8	2.3	2.2	2.4	2.8	8/ 54.7
2009	8/ 274.9	19.0	0.2	8/ 235.7	1.1	12.2	1.6	2.6	2.5	2.7	8/ 55.3
2010	8/ 273.8	17.1	0.2	8/ 237.5	0.7	8/ 10.4	2.0	3.4	2.5	2.7	8/ 50.7
2011	8/ 283.4	16.1	0.2	8/ 245.5	0.9	8/ 10.6	2.2	4.6	3.3	2.7	8/ 56.5
2012	8/ 278.2	16.6	0.2	8/ 237.9	1.1	8/ 9.6	2.5	8/ 6.7	3.6	2.8	8/ 53.6
2013	277.1	15.3	0.2	233.0	0.7	11.2	2.6	9.3	4.8	2.9	54.0

NA Not available.

1/ Excluding fossil fuels as commingled.

2/ Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively.

On this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

3/ Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.

4/ Solar thermal and photovoltaic energy.

5/ Including Supplemental Gaseous Fuels.

6/ Including Fuel Ethanol.

7/ Value less than +0.05 and greater than -0.05.

8/ Revised from previous *Data Book*.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS)

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2013, Hawaii, and earlier editions

<[http://www.eia.gov/state/seds/sep\\_use/total/pdf/use\\_HI.pdf](http://www.eia.gov/state/seds/sep_use/total/pdf/use_HI.pdf)> accessed March 14, 2016.

**Table 17.03-- CONSUMPTION OF ENERGY, BY END-USE SECTOR:  
1960 TO 2013**

[Trillion Btu]

Year	Residential 1/ 2/	Commercial 1/ 3/ 4/ 5/	Industrial 1/ 4/ 5/	Transportation 1/ 4/	Electric power 1/ 2/
1960	7.1	5.3	20.6	61.8	17.6
1961	7.3	5.6	26.8	74.0	19.4
1962	7.7	5.7	28.7	66.1	21.4
1963	8.7	6.2	29.9	69.5	24.2
1964	9.4	6.9	32.4	74.8	26.7
1965	9.9	7.0	34.7	79.0	27.6
1966	10.5	7.7	35.8	91.5	29.7
1967	11.7	8.4	38.7	105.1	31.3
1968	12.6	9.2	38.9	122.0	35.0
1969	14.1	10.7	41.0	125.1	38.7
1970	15.5	12.5	43.7	125.3	43.2
1971	16.8	12.5	43.6	138.8	47.7
1972	18.6	13.7	49.2	136.5	54.1
1973	19.0	14.5	49.9	140.9	55.6
1974	19.3	14.3	49.9	128.7	57.5
1975	19.0	14.5	50.4	130.5	58.8
1976	20.3	16.4	51.7	131.7	62.5
1977	20.7	18.0	53.3	141.3	65.2
1978	20.8	18.5	53.1	144.6	66.8
1979	21.4	19.7	59.2	156.4	67.7
1980	21.0	20.1	74.7	146.7	69.7
1981	20.9	18.1	73.7	124.1	69.9
1982	19.6	16.9	79.6	102.2	66.9
1983	20.1	17.2	66.2	117.9	68.6
1984	19.7	18.3	65.0	129.4	70.4
1985	19.9	18.4	67.3	142.9	69.8
1986	20.4	20.9	76.9	127.1	72.7
1987	22.0	23.8	79.6	124.1	76.5
1988	23.0	36.9	88.8	140.9	81.7
1989	25.4	36.1	93.8	154.5	86.5
1990	30.7	37.2	98.9	154.5	105.9
1991	26.1	28.8	89.0	151.2	88.7
1992	29.7	38.6	93.6	144.1	99.3
1993	29.6	30.7	92.3	130.4	99.5
1994	30.5	35.0	93.8	140.0	102.3
1995	31.3	34.6	93.0	138.2	105.5
1996	32.1	34.0	95.6	121.6	6/ 107.4
1997	32.2	35.5	88.7	117.3	107.3
1998	32.4	45.9	80.7	114.6	105.6
1999	32.4	36.0	78.0	123.1	106.6
2000	33.1	37.3	78.0	125.2	108.5

Continued on next page.

**Table 17.03-- CONSUMPTION OF ENERGY, BY END-USE SECTOR:  
1960 TO 2013-- Con.**

[Trillion Btu]

Year	Residential 1/ 2/	Commercial 1/ 3/ 4/ 5/	Industrial 1/ 4/ 5/	Transportation 1/ 4/	Electric power 1/ 2/
2001	6/ 32.2	36.6	69.5	132.0	105.3
2002	34.6	6/ 39.3	70.8	140.2	110.9
2003	33.7	39.6	66.1	162.9	109.0
2004	34.7	43.4	66.2	6/ 172.0	110.8
2005	35.2	41.8	70.2	6/ 179.1	109.8
2006	35.7	42.6	6/ 69.3	6/ 181.3	110.6
2007	36.3	42.2	67.1	6/ 194.4	6/ 111.7
2008	35.8	6/ 42.7	64.1	6/ 136.5	6/ 108.9
2009	35.8	42.2	64.0	6/ 133.0	6/ 105.5
2010	6/ 34.0	6/ 39.7	63.7	6/ 136.3	6/ 98.7
2011	34.9	6/ 40.6	6/ 63.5	6/ 144.3	6/ 98.9
2012	6/ 35.2	6/ 37.9	6/ 63.0	6/ 142.1	6/ 94.8
2013	35.7	39.0	61.2	141.2	92.3

1/ There is a discontinuity between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

2/ Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

3/ Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

4/ From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

5/ Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

6/ Revised from previous *Data Book*.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) Consumption Estimates, Selected Years, 1960-2013, Hawaii, and earlier editions  
<[http://www.eia.gov/state/seds/sep\\_use/total/pdf/use\\_HI.pdf](http://www.eia.gov/state/seds/sep_use/total/pdf/use_HI.pdf)> accessed March 14, 2016.

**Table 17.04-- PRIMARY ENERGY CONSUMPTION AND ELECTRICITY SALES, TOTAL AND PER CAPITA: 1994 TO 2014**

[Include photovoltaic]

Year	Primary energy consumption		Electricity sales by utilities	
	Total (trillion Btu)	Per capita 1/ (million Btu)	Total (1,000 kWh)	Per capita 1/ (kWh)
1994	299.3730	232.107	8,948,458	6,938
1995	297.0650	228.847	9,187,430	7,078
1996	283.2950	217.265	9,378,962	7,193
1997	273.6140	206.045	9,345,281	7,037
1998	273.5600	205.048	9,261,070	6,942
1999	269.5020	202.262	9,379,808	7,040
2000	273.4950	204.711	9,690,598	7,253
2001	270.3250	202.093	9,776,882	7,309
2002	284.9000	210.561	9,958,768	7,360
2003 2/	301.0960	221.597	10,206,405	7,512
2004 2/	314.9100	226.951	10,508,642	7,573
2005 2/	324.9130	230.027	10,538,506	7,461
2006 2/	327.3890	228.861	10,567,913	7,387
2007 2/	338.0210	235.808	10,584,992	7,384
2008 2/	277.1060	193.426	10,390,010	7,252
2009 2/	276.6770	191.796	10,126,219	7,020
2010 2/	278.0460	189.345	10,013,104	6,819
2011 2/	287.1130	192.841	9,961,653	6,691
2012 2/	280.1710	184.886	9,639,157	6,361
2013 2/	281.3290	182.921	9,503,164	6,179
2014	281.2060	180.241	9,475,452	6,073

1/ Based on estimated de facto population.

2/ Primary energy consumption revised from previous *Data Book*.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) <<http://www.eia.gov/state/seds/seds-data-fuel.cfm?sid=HI>> accessed June 18, 2016 and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.05-- PRIMARY ENERGY CONSUMPTION, BY SOURCE:  
1998 TO 2014**

[Trillion Btu]

Year	Total	Petroleum	Coal	Natural gas	Renewable
1998	273.5600	233.6360	18.2230	0.0000	21.7010
1999	269.5020	229.9900	17.6910	0.0000	21.8210
2000	273.4950	235.3150	17.6530	0.0760	20.4510
2001	270.3250	239.9480	17.7740	0.1340	12.4690
2002	284.9000	257.5930	16.6180	0.1400	10.5500
2003	1/ 301.0960	269.4860	1/ 18.0440	0.1370	13.4290
2004	1/ 314.9100	282.9230	1/ 17.9130	0.1550	13.9190
2005	1/ 324.9130	295.1040	1/ 16.5060	0.1950	1/ 14.2900
2006	1/ 327.3890	296.9070	1/ 16.1020	0.1790	1/ 15.5520
2007	1/ 338.0210	305.4410	1/ 17.1070	0.1730	1/ 17.0240
2008	1/ 277.1060	242.4900	1/ 18.0950	0.1480	1/ 19.5570
2009	1/ 276.6770	1/ 242.9840	1/ 17.0830	0.1670	1/ 20.0820
2010	1/ 278.0460	1/ 244.5230	1/ 17.1170	0.1610	1/ 19.0280
2011	1/ 287.1130	1/ 252.4970	1/ 16.0800	0.1580	1/ 21.6080
2012	1/ 280.1710	1/ 242.9260	1/ 16.5720	0.1870	1/ 23.4170
2013	1/ 281.3290	1/ 240.3660	1/ 15.3060	0.1930	1/ 28.4930
2014	281.2060	236.6200	17.2410	0.1770	30.4190
Year	Biomass	Solar	Wind	Geothermal	Hydro
1998	16.5480	1.3020	0.1970	2.4180	1.2370
1999	16.9810	1.3350	0.1690	2.1620	1.1750
2000	15.1940	1.3470	0.1730	2.6810	1.0550
2001	7.9470	1.3160	0.0220	2.1430	1.0410
2002	7.4800	1.3370	0.0160	0.7480	0.9670
2003	9.3050	1.3780	0.0160	1.8130	0.9160
2004	9.3360	1.4230	0.0750	2.1440	0.9410
2005	9.5650	1/ 1.4730	0.0660	2.2240	0.9620
2006	9.8750	1/ 1.5820	0.7900	2.1140	1.1910
2007	9.6930	1/ 1.7840	2.3540	2.2800	0.9130
2008	11.7950	1/ 2.2500	2.3650	2.3160	0.8310
2009	12.2250	1/ 2.6610	2.4540	1.6430	1.0990
2010	10.4480	1/ 3.3820	2.5470	1.9640	0.6870
2011	10.5500	1/ 4.6590	3.3110	2.1830	0.9050
2012	9.6040	1/ 6.6320	3.5990	2.4910	1.0900
2013	1/ 11.1790	1/ 9.1340	4.8020	2.6300	0.7470
2014	10.9500	10.6500	5.5030	2.4220	0.8950

1/ Revised from previous *Data Book*.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) <<http://www.eia.gov/state/seds/seds-data-fuel.cfm?sid=HI>> accessed June 18, 2016 and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.06-- ELECTRICITY GENERATION, BY SOURCE: 1998 TO 2014**

[Millions of kWh generated]

Year	Total	Petroleum	Coal	Wind	Biomass
1998	10,228	7,851	1,435	19	504
1999	10,404	7,995	1,440	16	577
2000	10,593	8,052	1,579	17	538
2001	10,633	8,224	1,605	2	288
2002	11,663	9,467	1,546	2	297
2003	10,976	8,503	1,644	2	347
2004	11,410	8,945	1,604	7	329
2005	11,523	9,068	1,631	7	310
2006	11,559	9,054	1,549	80	326
2007	11,533	8,914	1,579	238	285
2008	11,376	8,670	1,648	240	302
2009	11,011	8,289	1,500	251	284
2010	10,836	8,087	1,546	261	283
2011	10,723	7,924	1,424	341	313
2012	10,469	7,483	1,537	378	281
2013	10,267	7,223	1,404	503	329
2014	10,204	6,926	1,511	579	334
Year	Geothermal	Hydro	Other gases 1/	Solar	Others
1998	237	121	60	-	-
1999	211	115	50	-	-
2000	262	103	42	-	-
2001	207	101	38	-	169
2002	73	95	41	-	143
2003	178	91	40	-	172
2004	213	94	48	-	171
2005	222	96	41	-	149
2006	212	120	43	-	176
2007	230	92	45	-	149
2008	234	84	39	-	159
2009	168	113	22	1.4	381
2010	201	70	22	1.8	364
2011	224	93	35	3.6	366
2012	261	115	47	4.6	363
2013	275	78	41	19.5	394
2014	254	94	62	39.3	405

1/ Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) Detailed State Data 1990-2014 Net Generation by State by Type of Producer by Energy Source (EIA-906, EIA-920, and EIA-923) <<http://www.eia.gov/electricity/data/state/>> accessed June 18, 2016.

**Table 17.07-- ELECTRICITY PRODUCTION, BY SOURCE, BY ISLAND:  
2014**

[Million kWh]

<b>Island</b>	<b>Total</b>	<b>Petroleum</b>	<b>Coal</b>	<b>Wind</b>	<b>Biomass</b>
State total	10,204	6,926	1,511	579	334
Hawaii	1,167	729	-	136	-
Maui	1,174	855	15	258	33
Lanai	29	29	-	-	-
Molokai	33	33	-	-	-
Oahu	7,344	4,874	1,496	184	301
Kauai	458	406	-	-	-
<b>Island</b>	<b>Geothermal</b>	<b>Hydro</b>	<b>Other gases 1/</b>	<b>Solar</b>	<b>Others</b>
State total	254	94	62	39	405
Hawaii	254	47	-	1	-
Maui	-	9	-	3	-
Lanai	-	-	-	-	-
Molokai	-	-	-	-	-
Oahu	-	-	62	21	405
Kauai	-	38	-	14	-

1/ Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) Detailed State Data 1990-2014 Net Generation by State by Type of Producer by Energy Source (EIA-906, EIA-920, and EIA-923) <<http://www.eia.gov/electricity/data/state/>> accessed June 18, 2016 and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.08 -- FUEL, ELECTRICITY, AND TOTAL ENERGY EXPENDITURES, BY SOURCE: 1994 TO 2014**

[Millions of dollars]

Year	Total energy expenditures	Primary energy expenditures	Electricity additions	Retail electricity expenditures	Electricity fuel cost
1994	2,122.1	1,441.7	680.4	937.3	256.9
1995	2,202.7	1,470.2	1/ 732.4	1,017.7	1/ 285.3
1996	2,305.8	1,532.5	1/ 773.4	1,119.7	1/ 346.3
1997	2,272.6	1,455.8	1/ 816.7	1,152.7	1/ 336.0
1998	2,092.5	1,296.7	795.8	1,054.4	258.6
1999	2,163.2	1,379.8	783.4	1,106.5	323.1
2000	2,705.1	1,863.0	1/ 842.2	1,341.2	1/ 499.0
2001	2,779.2	1,891.1	1/ 888.2	1,353.4	1/ 465.2
2002	2,688.2	1,882.7	805.5	1,300.2	494.7
2003	3,328.1	2,345.2	982.9	1,478.9	496.0
2004	4,017.5	2,889.0	1,128.5	1,654.9	526.4
2005	4,990.0	3,897.1	1,092.9	1,897.8	804.9
2006	5,723.5	4,543.0	1,180.5	2,152.2	971.7
2007	6,170.2	5,001.5	1,168.7	2,213.3	1,044.6
2008	6,821.2	5,305.2	1/ 1,516.1	2,978.3	1/ 1,462.2
2009	1/ 4,801.1	1/ 3,547.9	1,253.1	2,111.7	858.6
2010	1/ 5,854.8	1/ 4,521.9	1,332.9	2,473.3	1,140.4
2011	1/ 7,668.6	1/ 6,170.6	1,498.1	3,090.5	1,592.4
2012	1/ 7,840.3	1/ 6,241.5	1,598.8	3,219.0	1,620.2
2013	1/ 7,645.3	1/ 5,974.6	1,670.7	3,153.6	1,482.9
2014	7,378.6	5,592.8	1,785.7	3,159.3	1,373.6

1/ Revised from previous *Data Book*.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) <<http://www.eia.gov/state/seds/seds-data-fuel.cfm?sid=HI>> accessed June 26, 2016 and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.09-- ELECTRIC UTILITIES: 2002 TO 2015**

Year	Customers, Dec. 31			Power sold (1,000 kWh)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
2002	441,323	380,608	60,715	9,958,768	2,921,563	7,037,206
2003	449,354	387,162	62,192	10,206,405	3,024,509	7,181,897
2004	455,278	391,567	63,711	10,508,642	3,156,499	7,352,142
2005	463,088	398,332	64,756	10,538,507	3,164,029	7,374,478
2006 2/	469,013	403,278	65,735	10,567,912	3,182,431	7,385,481
2007 2/	475,104	408,923	66,181	10,585,037	3,200,674	7,384,363
2008 2/	476,124	410,477	65,647	10,390,010	3,085,183	7,304,827
2009	478,588	413,641	64,947	10,125,935	3,055,242	7,070,693
2010	480,918	416,141	64,777	10,013,104	2,989,437	7,023,667
2011	482,498	418,174	64,324	9,961,653	2,928,743	7,032,910
2012	484,716	420,240	64,476	9,639,157	2,739,299	6,899,858
2013 2/	488,456	423,281	65,175	9,496,294	2,606,502	6,889,793
2014 2/	492,358	426,862	65,496	9,406,155	2,538,865	6,867,290
2015	494,632	429,085	65,547	9,388,577	2,558,285	6,830,292

Year	Average annual use (kWh) 3/		Average rate (dollars per kWh)		Revenues (\$1,000)		
	Residen- tial 1/	Other	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
2002	7,676	115,906	0.15703	0.12508	1,338,980	458,781	880,199
2003	7,812	115,479	0.16743	0.13629	1,485,234	506,399	978,835
2004	8,061	115,398	0.18031	0.14793	1,656,764	569,162	1,087,601
2005	7,943	113,881	0.20656	0.17280	1,927,872	653,568	1,274,304
2006 2/	7,891	112,352	0.23347	0.19595	2,190,152	742,994	1,447,159
2007 2/	7,827	111,578	0.24122	0.20061	2,253,431	772,064	1,481,367
2008 2/	7,516	111,274	0.32497	0.27809	3,033,950	1,002,583	2,031,367
2009	7,386	108,869	0.24202	0.19923	2,148,123	739,416	1,408,707
2010	7,184	108,428	0.28101	0.23857	2,515,731	840,066	1,675,665
2011	7,004	109,336	0.34681	0.30304	3,146,960	1,015,703	2,131,256
2012	6,518	107,014	0.37343	0.32727	3,281,058	1,022,944	2,258,114
2013 2/	6,158	105,712	0.36813	0.31735	3,146,011	959,542	2,186,468
2014	5,948	104,851	0.37342	0.32126	3,154,227	948,062	2,206,164
2015	5,962	104,204	0.29918	0.24909	2,466,759	765,399	1,701,360

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**Table 17.09-- ELECTRIC UTILITIES: 2002 TO 2015 -- Con.**

1/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Revised from previous *Data Book*.

3/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy; and Hawaii State Department of Business, Economic Development and Tourism, Strategic Industries Division, *Monthly Financial Reports* issued by utility companies (Hawaiian Electric Company, Maui Electric Company, Hawaii Electric Light Company and Kauai Island Utility Cooperative), calculations by Hawaii State Department of Business, Economic Development and Tourism, and records.

**Table 17.10-- ELECTRIC UTILITIES, BY ISLAND: 2015**

Island	Customers, Dec. 31			Net Peak Demand	Power sold (1,000 kWh)		
	Total	Residential 1/	Other	(mW)	Total	Residential 1/	Other
State total	494,632	429,085	65,547	1,600.8	9,388,577	2,558,285	6,830,292
Oahu	302,958	269,207	33,751	1,144.4	6,754,083	1,626,917	5,127,166
Hawaii	84,309	71,217	13,092	180.8	1,064,785	388,374	676,410
Kauai	36,832	28,430	8,402	70.8	432,078	161,826	270,252
Lanai	1,718	1,474	244	4.8	25,817	7,492	18,325
Maui	65,603	56,085	9,518	194.7	1,083,129	363,863	719,265
Molokai	3,212	2,672	540	5.3	28,685	9,811	18,873
Island	Average annual use (kWh) 2/		Average rate (dollars per kWh)		Revenues (\$1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
State total	5,962	104,204	0.29918	0.24909	2,466,759	765,399	1,701,360
Oahu	6,043	151,912	0.28019	0.23022	1,636,245	455,848	1,180,396
Hawaii	5,453	51,666	0.34646	0.30941	343,843	134,557	209,286
Kauai	5,692	32,165	0.34304	0.32354	142,949	55,513	87,436
Lanai	5,083	75,103	0.37630	0.38325	9,842	2,819	7,023
Maui	6,488	75,569	0.31048	0.29260	323,427	112,973	210,455
Molokai	3,672	34,951	0.37597	0.35837	10,452	3,689	6,764

1/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Based on number of customers at end of year.

Source: *Monthly Financial Reports* issued by utility companies (Hawaiian Electric Company, Maui Electric Company, Hawaii Electric Light Company and Kauai Island Utility Cooperative), calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.11-- GAS UTILITIES: 2002 TO 2015**

[Excludes bottled gas]

Year	Customers, Dec. 31			Gas sold (1,000 therms)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
2002	36,236	32,629	3,607	33,974	5,357	28,617
2003	36,046	32,415	3,631	33,556	5,170	28,386
2004	36,049	32,413	3,636	34,241	5,087	29,154
2005	35,850	32,229	3,621	34,249	5,041	29,208
2006	35,793	32,164	3,629	34,340	4,983	29,357
2007	35,692	32,078	3,614	34,685	4,933	29,752
2008	35,364	31,752	3,612	33,100	4,807	28,293
2009	35,449	31,821	3,628	31,924	4,746	27,178
2010	35,317	31,656	3,661	32,279	4,742	27,537
2011	35,226	31,552	3,674	32,410	4,542	27,867
2012	35,183	31,478	3,705	32,320	4,601	27,719
2013	35,116	31,412	3,704	33,100	4,443	28,656
2014	35,186	31,463	3,723	33,118	4,309	28,809
2015	35,248	31,482	3,766	34,079	4,293	29,786

Year	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues (\$1,000)		
	Residen- tial 1/	Other	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
2002	164	7,934	2.87341	1.50635	58,500	15,393	43,107
2003	159	7,818	3.05760	1.71228	64,412	15,807	48,605
2004	157	8,018	3.23468	1.87938	71,245	16,453	54,792
2005	156	8,066	3.64213	2.26578	84,539	18,360	66,179
2006	155	8,090	3.87417	2.46238	91,593	19,305	72,288
2007	154	8,232	3.93554	2.52524	94,545	19,414	75,131
2008	151	7,833	4.89349	3.46955	121,687	23,523	98,164
2009	149	7,491	4.18816	2.68055	92,729	19,877	72,852
2010	150	7,522	4.98652	3.27435	113,810	23,644	90,166
2011	144	7,585	6.05389	4.02058	139,541	27,499	112,042
2012	146	7,481	5.60939	4.28156	144,488	25,809	118,679
2013	141	7,737	5.44508	3.91188	136,294	24,193	112,100
2014	137	7,738	5.48225	3.89496	135,832	23,622	112,210
2015	136	7,909	4.67712	2.93783	107,586	20,079	87,507

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**Table 17.11-- GAS UTILITIES: 2002 TO 2015 -- Con.**

1/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy; and Hawaii State Department of Business, Economic Development and Tourism, Strategic Industries Division, Hawai'i Gas The Clean Energy Company, *Hawaii Gas Utility Monthly Financial Reports*, calculations by Hawaii State Department of Business, Economic Development and Tourism, and records.

**Table 17.12-- GAS UTILITIES, BY ISLAND: 2015**

[Excludes bottled gas]

Island	Customers, December 31			Gas sold (1,000 therms)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
State total	35,248	31,482	3,766	34,079	4,293	29,786
Oahu	31,772	28,443	3,329	30,663	3,770	26,893
Hawaii	1,900	1,570	330	2,389	304	2,085
Kauai	960	942	18	170	101	68
Lanai	22	22	-	3	3	-
Maui	512	423	89	840	100	740
Molokai	82	82	-	14	14	-

Island	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues (\$1,000)		
	Residen- tial 1/	Other	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
State total	136	7,909	4.67712	2.93783	107,586	20,079	87,507
Oahu	133	8,078	4.69293	2.98615	98,000	17,693	80,307
Hawaii	194	6,318	4.72857	2.50733	6,664	1,437	5,228
Kauai	108	3,794	4.75031	2.53784	654	481	173
Lanai	136	-	5.07402	-	15	15	-
Maui	237	8,314	3.88384	2.43153	2,189	390	1,799
Molokai	175	-	4.37824	-	63	63	-

1/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Based on number of customers at end of year.

Source: Hawai'i Gas The Clean Energy Company, *Hawaii Gas Utility Monthly Financial Reports*, calculations by Hawaii State Department of Business, Economic Development and Tourism, and records.

**Table 17.13-- SERVICE PROVIDED BY HAWAIIAN ELECTRIC COMPANY, INC.,  
ON OAHU: 1991 TO 2015**

Year	Number of customers, Dec. 31		Net input 1/ (1,000 kWh)	Electricity sales (1,000 kWh)	Average annual residential use 2/ (kWh)	Average residential rate (dollars per kWh)	Generating capability Dec. 31 3/ (1000 kW)
	Total	Residential only					
1991	255,176	223,304	6,876,964	6,538,952	7,610	0.09354	1,440
1992	257,442	225,229	7,061,157	6,650,449	7,711	0.09925	1,666
1993	263,478	230,192	7,029,839	6,607,424	7,581	0.11414	1,669
1994	264,992	232,115	7,222,978	6,797,364	7,681	0.11342	1,669
1995	269,307	235,905	7,359,195	6,962,794	7,732	0.12302	1,669
1996	271,602	237,860	7,499,202	7,091,147	7,868	0.12944	1,669
1997	271,801	238,825	7,424,259	7,040,291	7,773	0.13360	1,669
1998	272,675	239,945	7,299,149	6,938,326	7,603	0.12556	1,669
1999	275,467	242,579	7,356,725	6,997,936	7,654	0.12741	1,669
2000	278,260	245,027	7,589,409	7,211,760	7,793	0.14477	1,669
2001	280,911	247,672	7,643,288	7,276,681	7,816	0.14255	1,669
2002	283,161	249,896	7,757,699	7,390,367	8,050	0.13859	1,669
2003	286,677	253,033	7,908,957	7,522,230	8,224	0.14888	1,669
2004	288,456	254,797	8,126,998	7,732,834	8,481	0.15690	1,669
2005	291,580	257,804	8,104,303	7,721,296	8,360	0.17673	1,712
2006	292,988	259,098	8,104,872	7,700,605	8,248	0.20063	1,722
2007	294,591	260,583	8,089,115	7,675,355	8,214	0.20519	1,727
2008	293,740	259,929	7,950,649	7,555,962	7,868	0.28892	1,727
2009	295,282	261,630	7,761,597	7,377,537	7,759	0.21533	1,847
2010	296,422	262,635	7,657,018	7,277,229	7,540	0.25474	1,817
2011	296,800	263,384	7,593,813	7,242,311	7,319	0.32041	1,817
2012	297,529	264,047	7,310,995	6,975,996	6,729	0.35101	1,817
2013	299,528	265,772	7,187,329	6,858,536	6,283	0.34625	1,840
2014	301,953	268,056	7,101,879	6,781,665	6,036	0.35479	1,848
2015	302,958	269,207	7,086,141	6,754,083	6,052	0.28019	1,735

1/ Net generation plus purchased power.

2/ Based on average number of customers during the year.

3/ Gross capability including firm purchase power.

Source: Hawaiian Electric Company, Inc., records.

**Table 17.14-- UTILITY SERVICE PROVIDED BY THE GAS COMPANY  
ON OAHU: 1991 TO 2015**

Year	Customers, Dec. 31		Sales (1,000 therms) 1/		Average annual residential usage (therms) 1/
	Total	Residential	Total	Residential	
1991	32,487	29,278	30,866	5,331	182
1992	32,598	29,375	30,528	5,285	180
1993	33,206	29,984	30,027	5,287	176
1994	33,597	30,344	30,762	5,372	177
1995	33,472	30,492	30,582	5,332	175
1996	33,914	30,668	30,339	5,203	170
1997	33,800	30,574	29,836	5,176	169
1998	33,705	30,497	29,930	5,284	173
1999	33,614	30,384	30,830	5,154	170
2000	33,613	30,383	31,619	5,054	166
2001	33,625	30,403	31,071	4,990	164
2002	33,446	30,202	30,852	4,962	164
2003	33,252	29,990	30,470	4,781	159
2004	33,231	29,964	31,011	4,701	157
2005	32,991	29,744	30,965	4,641	156
2006	32,776	29,519	30,935	4,530	153
2007	32,673	29,434	31,219	4,447	151
2008	32,358	29,123	29,930	4,320	148
2009	32,179	28,951	28,957	4,263	147
2010	32,109	28,867	28,823	4,197	145
2011	32,121	28,872	29,266	4,059	141
2012	31,875	28,622	29,563	4,036	137
2013	31,730	28,481	29,711	3,923	141
2014	31,766	28,504	29,703	3,790	133
2015	31,772	28,475	30,642	3,768	132

1/ Includes liquefied petroleum gas.

Source: The Gas Company LLC, formerly The Gas Company, Inc., records.

**Table 17.15-- LIQUID FUEL TAX BASE: 2001 TO 2015**

[In thousands of gallons. Liquid fuel sold in a given month is usually reported the following month. Annual totals accordingly refer to fuel sold during a 12-month period ending November 30]

Year reported	All types		Gasoline	Diesel oil		
	Total	Excluding aviation		Non-hwy.	Hwy. use	
2001	962,973	627,076	409,910	179,000	34,018	
2002	994,141	646,185	429,613	175,096	36,157	
2003	835,991	587,927	452,499	91,988	37,004	
2004	1,066,808	727,943	459,321	220,562	43,223	
2005	972,642	647,843	454,115	146,922	43,440	
2006	869,789	657,355	472,658	131,665	50,065	
2007	1,018,233	782,580	480,632	230,812	52,826	
2008	920,042	710,863	443,918	158,894	57,613	
2009	898,720	713,534	438,849	166,209	53,437	
2010	820,268	638,300	416,134	132,451	51,512	
2011	881,047	671,169	449,606	133,480	47,237	
2012	900,993	673,513	444,638	151,509	47,674	
2013	866,768	635,587	446,571	107,415	51,235	
2014	902,720	665,707	447,267	137,449	45,921	
2015	899,923	698,487	457,535	157,018	45,248	

Year reported	Liquefied petroleum gas		Aviation fuel	Small boats		Other fuel
	Off hwy.	Hwy. use		Gasoline	Diesel oil	
2001	3,783	310	335,897	9	47	(X)
2002	4,991	267	347,956	5	40	16
2003	5,739	391	248,065	2	22	281
2004	3,368	246	338,866	8	16	1,200
2005	1,222	300	324,799	15	42	1,786
2006	1	142	212,434	23	45	2,756
2007	-	108	235,653	262	626	17,314
2008	-	96	209,179	452	5,004	44,886
2009	-	66	185,185	1,215	1,324	52,434
2010	-	62	181,968	787	947	36,406
2011	-	50	209,878	1,103	4,022	35,672
2012	-	35	227,480	1,144	399	28,113
2013	-	23	231,181	1,390	1,257	27,696
2014	-	22	237,012	1,565	2,763	30,721
2015	-	16	201,435	1,571	2,658	34,442

X Not applicable.

Source: Hawaii State Department of Taxation, Tax Research & Planning, "Liquid Fuel Tax Base & Tax Collections - CY Ending December 31, 2015" <<http://files.hawaii.gov/tax/stats/monthly/2015cy-fuels-base.pdf>> accessed April 4, 2016.

**Table 17.16-- LIQUID FUEL TAX BASE, BY COUNTY: 2015**

[In thousands of gallons. Liquid fuel sold in a given month is usually reported the following month. Annual totals accordingly refer to fuel sold during a 12-month period ending November 30]

Type of fuel	State total	City and Co. of Honolulu	County of Maui	County of Hawaii	County of Kauai
Total	899,923	516,267	156,469	143,442	83,745
Gasoline	457,535	286,407	64,233	78,631	28,265
Diesel oil, non-hwy.	157,018	120,907	13,201	7,070	15,839
Diesel oil, hwy. use	45,248	25,028	6,277	10,854	3,089
Liq. pet. gas, hwy. use	16	14	-	-	2
Small boats, gasoline	1,571	897	-	418	257
Small boats, diesel oil	2,658	2,658	-	-	-
Aviation fuel	201,435	78,521	72,339	28,793	21,783
Other fuel	34,442	1,836	418	17,677	14,511

Source: Hawaii State Department of Taxation, Tax Research & Planning, "Liquid Fuel Tax Base & Tax Collections - CY Ending December 31, 2015" <<http://files.hawaii.gov/tax/stats/monthly/2015cy-fuels-base.pdf>> accessed April 4, 2016.

**Table 17.17-- GASOLINE STATIONS (NAICS 447), BY COUNTY:  
1998 TO 2013**

[Excludes most government employees, railroad employees, and self-employed persons. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in the *County Business Patterns* prior to 1998. Therefore, comparability between the current data and data prior to 1998 may be limited]

<b>Year</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>
1998	350	219	67	19	45
1999	334	206	63	19	46
2000	328	207	61	20	40
2001	322	204	61	17	40
2002	321	200	62	19	40
2003	314	194	63	19	38
2004	294	181	60	18	35
2005	301	188	59	19	35
2006	305	190	63	17	35
2007	289	179	58	14	38
2008	281	177	57	14	33
2009	277	169	58	15	35
2010	283	168	58	17	40
2011	283	168	61	16	38
2012	283	174	58	14	37
2013	286	176	58	15	37

Source: U.S. Census Bureau, *County Business Patterns, Hawaii* (annual). See also <<http://factfinder.census.gov/>> accessed March 28, 2016.

**Table 17.18-- BOILERS AND PRESSURE VESSELS, BY ISLAND: 2015**

[As of December 31]

<b>Island</b>	<b>Total</b>	<b>Power boilers</b>	<b>Heating boilers</b>	<b>Pressure vessels</b>
State total	9,665	418	2,223	7,024
Hawaii	1,212	57	237	918
Maui	1,160	62	284	814
Lanai	43	-	14	29
Molokai	49	1	10	38
Oahu	6,664	269	1,554	4,841
Kauai	537	29	124	384

Source: Hawaii State Department of Labor and Industrial Relations, Hawaii Occupational Safety & Health Division (HIOSH), Boiler and Elevator Inspection Branch, records.

**Table 17.19-- FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT AND FOR R&D PLANT IN HAWAII: 2000 TO 2013**

[Millions of dollars. For fiscal year ending September 30]

Year	R&D	R&D plant	Year	R&D	R&D plant
2000	209.7	1.8	2007	343.6	8.0
2001	293.1	2.8	2008	347.8	3.1
2002	375.2	6.4	2009	378.7	25.3
2003	349.6	1.9	2010	389.4	38.1
2004	392.6	7.0	2011 1/	403.6	23.3
2005	384.4	43.8	2012	382.5	15.4
2006	340.1	5.6	2013	348.0	13.0

1/ Revised from previous *Data Book*.

Source: National Science Foundation/Division of Science Resources Statistics, *Federal Funds for Research and Development* <<http://www.nsf.gov/statistics/2015/nsf15324/pdf/tab100.pdf>> accessed March 28, 2016.

**Table 17.20-- PRIVATE SECTOR TECHNOLOGY JOBS AND EARNINGS: 2008 TO 2015**

[Jobs includes paid employees and proprietors. 2008-2014 revised from previous *Data Book*]

	2008	2009	2010	2011	2012	2013	2014	2015	Earnings in 2015 1/
Technology sector	24,154	23,830	23,428	23,468	23,849	23,698	23,356	23,542	78,608
Computer services	6,401	6,498	6,327	6,247	6,371	6,388	6,361	6,455	82,520
Engineering and related services	6,223	5,999	5,908	5,966	6,080	6,023	6,110	6,104	92,678
Technical consulting services	3,992	3,924	4,066	4,099	4,273	4,354	4,230	4,324	56,700
Research & development services	2,820	2,821	2,587	2,582	2,543	2,413	2,126	2,058	86,981
Research and development in biotechnology	703	675	656	691	687	606	544	501	80,610
Information and telecommunications technology	1,445	1,298	1,292	1,248	1,288	1,407	1,347	1,400	67,516
Medical labs and imaging centers	1,719	1,689	1,701	1,743	1,707	1,697	1,784	1,855	62,614
Technology equipment distribution	869	857	803	776	776	741	702	714	106,947
Technology manufacturing	684	745	745	807	810	674	696	633	60,771
Alternate power generation	18	20	25	23	48	37	39	37	70,602
Chemical & pharmaceutical manufacturing	89	115	111	101	108	159	178	120	54,473
Other technology manufacturing	102	90	97	127	156	108	104	90	47,333
Medical device manufacturing	476	519	511	555	498	370	376	385	66,424

1/ Earnings include wages and salaries, supplements to wages and salaries, and proprietors' income.

Source: Hawaii State Department of Business, Economic Development and Tourism, records.

**Table 17.21-- TOP 30 STATES FOR TECHNOLOGY AND SCIENCE INDEX: 2014**

[The State Technology and Science Index observes 79 unique indicators that are categorized into five major components. These components are human capital investment, research and development inputs, risk capital and entrepreneurial infrastructure, technology and science work force and technology concentration and dynamism]

State	Average score	State ranking
Massachusetts	86.59	1
Maryland	81.48	2
California	76.64	3
Colorado	74.60	4
Utah	74.01	5
Washington	72.71	6
Virginia	71.58	7
New Hampshire	66.88	8
Connecticut	65.51	9
Delaware	65.34	10
New York	64.99	11
Minnesota	64.35	12
Rhode Island	64.20	13
Pennsylvania	63.06	14
North Carolina	62.04	15
New Jersey	61.32	16
Oregon	59.55	17
Vermont	58.99	18
Arizona	58.96	19
Texas	58.56	20
Illinois	58.27	21
Michigan	57.10	22
Georgia	55.03	23
New Mexico	54.91	24
Wisconsin	53.90	25
Ohio	51.72	26
Indiana	50.40	27
Kansas	49.47	28
North Dakota	48.72	29
Nebraska	48.15	30
<b>Hawaii</b>	<b>44.37</b>	<b>35</b>

Source: Milken Institute "State Technology and Science Index: Enduring Lessons for the Intangible Economy 2014" 2014 Overall Ranking <<http://statetechandscience.org/state-tech-and-science-report-2014.pdf>> accessed May 13, 2015.

**Table 17.22-- RESEARCH AND NON-RESEARCH EXTRAMURAL FUNDING,  
FOR THE UNIVERSITY OF HAWAII: 1991-1992 TO 2014-2015**

[Research and non-research awards received through the Office of Research Services, University of Hawaii, and non-competitive awards from the U.S. Department of Agriculture]

Fiscal year ending June 30	Total		Research		Non-research	
	Awards	Amount (dollars)	Awards	Amount (dollars)	Awards	Amount (dollars)
1991-1992	1,221	124,876,638	703	65,791,624	518	59,085,014
1992-1993	1,146	131,075,215	636	61,059,928	510	70,015,287
1993-1994	1,322	142,563,794	755	77,763,782	567	64,800,012
1994-1995	1,147	139,199,221	616	70,222,653	531	68,976,568
1995-1996	1,191	134,469,155	697	76,698,552	494	57,770,603
1996-1997	1,255	160,859,800	724	89,131,636	531	71,728,164
1997-1998	1,300	159,948,612	763	91,746,988	537	68,201,624
1998-1999	1,254	164,168,101	707	92,737,645	547	71,430,456
1999-2000	1,379	180,629,855	767	102,845,010	612	77,784,845
2000-2001	1,405	216,233,918	835	132,833,308	570	83,400,610
2001-2002	1,629	252,370,477	971	141,875,022	658	110,495,455
2002-2003	1,646	323,868,218	976	190,374,465	670	133,493,753
2003-2004	1,675	328,982,431	1,002	199,944,709	673	129,037,722
2004-2005	1,742	354,127,142	1,022	209,196,531	720	144,930,611
2005-2006	1,785	433,360,395	1,068	236,708,881	717	196,651,514
2006-2007	1,778	354,031,667	1,081	209,909,883	697	144,121,784
2007-2008	1,758	367,580,150	1,093	211,778,184	665	155,801,966
2008-2009	1,990	413,963,739	1,147	246,546,713	843	167,417,026
2009-2010	1,944	452,408,669	1,161	255,734,059	783	196,674,610
2010-2011	1,799	488,597,908	1,070	281,745,764	729	206,852,144
2011-2012	1,727	435,874,967	1,039	256,980,266	688	178,894,701
2012-2013	1,801	409,783,318	1,006	222,207,539	795	187,575,779
2013-2014	1,774	392,314,955	1,081	238,286,786	693	154,028,169
2014-2015	1,823	425,650,338	1,080	236,114,373	743	189,535,965

Source: University of Hawaii, Office of Research Services, *2014-2015 Online Executive Managerial Report* <<http://www.ors.hawaii.edu/index.php/reports/111-reports/annual-reports/347-2014-2015-annual-report>> accessed April 11, 2016 and previous reports.

**Table 17.23-- RESEARCH AND DEVELOPMENT EXPENDITURES AT DOCTORATE-GRANTING INSTITUTIONS: 1991 TO 2014**

[In thousands of dollars. For fiscal year ending June 30]

Year	Total	Federally financed	State and local government financed	Business 1/	Nonprofit	Institutionally financed	All other sources
1991	78,166	44,857	27,321	856	(NA)	3,391	1,741
1992	80,258	47,684	26,775	337	(NA)	3,319	2,143
1993	73,961	41,362	27,099	151	(NA)	3,109	2,240
1994	70,079	39,392	25,204	434	(NA)	3,290	1,759
1995	78,429	44,238	26,789	299	(NA)	3,738	3,365
1996	111,202	66,902	31,826	8,088	(NA)	4,386	-
1997	120,107	72,421	28,440	5,944	(NA)	13,297	5
1998	148,007	86,886	37,002	10,949	(NA)	13,170	-
1999	156,810	93,418	35,111	13,021	(NA)	15,260	-
2000	161,300	95,419	35,474	11,158	(NA)	19,249	-
2001	156,976	97,716	33,125	7,232	(NA)	18,903	-
2002	172,664	119,381	31,062	9,971	(NA)	12,232	18
2003	184,602	148,662	11,822	6,931	(NA)	17,171	16
2004	241,346	191,252	8,815	21,234	(NA)	19,892	153
2005	240,247	199,135	7,077	12,155	(NA)	21,282	598
2006	257,478	210,097	8,933	12,551	(NA)	25,888	9
2007	274,373	215,806	15,534	22,080	(NA)	16,352	4,601
2008	278,751	200,385	18,192	26,928	(NA)	28,132	5,114
2009	300,302	211,256	17,479	30,357	(NA)	32,198	9,012
2010	317,942	208,540	23,669	24,315	7,989	45,016	8,413
2011	363,887	241,686	22,399	23,362	11,019	57,502	7,919
2012	335,704	215,593	16,406	21,389	6,642	67,934	7,740
2013	343,802	241,600	11,812	73,645	3,863	6,270	6,612
2014	330,897	212,525	8,115	3,436	6,759	89,409	10,653

NA Not available.

1/ Category called industry financed before 2010.

Source: National Science Foundation, Division of Science Resources Statistics, Academic Research and Development Expenditures: Fiscal Year (annual) Table 17 <<http://www.nsf.gov/statistics/rdexpenditures/>> accessed November 4, 2011 and Higher Education Research and Development (annual) <<http://ncesdata.nsf.gov/herd/2014/>> accessed April 11, 2016.

**Table 17.24-- PATENTS ISSUED TO HAWAII RESIDENTS: 1992 TO 2015**

Year	Patents	Year	Patents	Year	Patents
1992	81	2000	93	2008	101
1993	106	2001	107	2009	96
1994	99	2002	91	2010	144
1995	84	2003	96	2011	128
1996	104	2004	86	2012	131
1997	93	2005	58	2013	146
1998	93	2006	101	2014	160
1999	97	2007	82	2015	166

Source: U.S. Patent and Trademark Office, Electronic Information Products Division / PTMT, *Patent Counts by Country/State and Year, All Patents, All Types, January 1, 1977 -- December 31, 2015* (December 2015) <[http://www.uspto.gov/web/offices/ac/ido/oeip/taf/cst\\_all.htm](http://www.uspto.gov/web/offices/ac/ido/oeip/taf/cst_all.htm)> accessed April 12, 2016.

**Table 17.25-- ASTRONOMY AND RELATED FACILITIES AT  
THE SUMMITS OF MAUNAKEA AND HALEAKALA: 2015**

Facility (mirror diameter in meters)	Capital cost 1/ (\$ mil)	Annual operating cost (\$ mil)	County based staff	Operational
Maunakea observatories				
Total	601	72.4	484	(X)
UH 2.2-m (Optical/Infrared)	5	1.0	6	1970
Canada-France-Hawaii 3.6-m (Optical/Infrared)	30	7.4	45	1979
NASA IRTF 3.0-m (Infrared)	10	5.1	19	1979
UKIRT 3.8-m (Infrared)	5	2.2	6	1979
James Clerk Maxwell 15-m Submillimeter	32	4.7	35	1986
VLBA Antenna 25-m (Radio)	7	0.4	2	1992
W.M. Keck Observatory (Keck I & II) 10-m x 2 (Optical/Infrared)	170	13.5	120	1992/1996
Subaru 8-m (Optical/Infrared)	170	17.0	101	1999
Fredrick C. Gillett Gemini 8-m (Optical/Infrared)	92	13.7	83	1999
Submillimeter Array 8x6-m	80	5.5	23	2003
Maunakea Observatories Support Services	(X)	2/ 5.4	44	1980
Haleakala observatories				
Total	749	40.73	202	(X)
Mees Solar Observatory	1	0.2	1	1963
Haleakala Observatories Projects	(NA)	0.2	2	(NA)
Maui Space Surveillance Site (MSSS) 3/ Ground-Based Electro-Optical Deep Space Surveillance (GEODSS)	250	26.3	117	1965
Faulkes 2-m Telescope	25	6.1	16	1983
Transportable Laser Ranging System (TLRS4)	10	0.6	2	2003
Panoramic Survey Telescope And Rapid Response System (Pan-STARRS)	1	0.5	5	2005
Haleakala Support Facilities	110	5.6	11	2009
Daniel K. Inouye Solar Telescope (DKIST)	9	1.2	13	1962/2008
	344	4/ 18.0	35	(5/)

X Not applicable.

NA Not available.

1/ Historical cost, not adjusted for inflation, and not including subsequent capital improvements for Maunakea Observation.

2/ Only \$1.9 million of this included in total as the other \$3.5 million are part of facility operating costs.

3/ Formerly Air Force Maui Optical Station (AMOS).

4/ Operational cost of 18 million not included in the total.

5/ Daniel K. Inouye Solar Telescope scheduled to be operational by 2019.

Source: University of Hawaii at Manoa, Institute for Astronomy, records.

## Section 18

# TRANSPORTATION

This section presents statistics relating to public roads, motor vehicles, bicycles, traffic accidents, local public transit, civil aviation, harbors, and water traffic. Other information bearing on transportation appears in Sections 7, 12, 14, and 24.

The chief source for transportation statistics is the Hawaii State Department of Transportation's Highways, Harbors and Airports Divisions, and the Motor Vehicle Safety Office. Other sources include the U.S. Coast Guard, Federal Aviation Administration, Federal Highway Administration, Army Corps of Engineers, the U.S. Census Bureau, Honolulu Public Transit Authority, county finance departments, Hawaii Automobile Dealers Association, and individual transportation companies. Data for the entire period of record through 1976 appear in *Historical Statistics of Hawaii*, Section 17. Another source of long-term trend information is *What People Paid to Travel*, published by the Hawaiian Historical Society in 1991. Similar statistics for other areas are reported in the *Statistical Abstract of the United States: 2012*, Section 23.

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**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES  
AND INTERSTATES: 2015**

<b>Route</b>	<b>Description</b>	<b>Miles</b>
OAHU		
Interstates		
H-1	Queen Lili'uokalani Freeway, Lunalilo Freeway	27.15
H-2	Veterans Memorial Freeway	8.32
H-3	John A. Burns Freeway	15.32
H-201	Moanalua Freeway	4.08
State Routes		
61	Pali Hwy, Kalaniana'ole Hwy, Kailua Rd.	10.59
63	Kalihi St, Likelike Hwy	8.30
72	Kalaniana'ole Hwy	18.43
83	Kam. Hwy, Kahekili Hwy, Likelike Hwy	43.90
92	Nimitz Hwy, Ala Moana Blvd	9.28
93	Farrington Hwy.	19.52
99	Kam. Hwy, Kamananui Rd, Wilikina Dr, Farrington Hwy	23.84
750	Kunia Rd	8.05
HAWAII		
State Routes		
11	Kanoelehua Ave, Mamalahoa Hwy, Hawaii Belt Rd, Volcano Rd. Kuakini Hwy, Queen Kaahumanu Ext	121.97
19	Kuhio St, Kalaniana'ole St, Kamehameha Ave, Pauahi St Bayfront Hwy, Mamalahoa Hwy, Lindsey Rd, Hawaii Belt Rd Kawaihae Rd, Queen Kaahumanu Hwy	99.49
130	Keaau-Pahoa Rd, Pahoa-Kalapana Rd, Kaimu-Chain of Craters Rd 1/	21.82
190	Mamalahoa Hwy, Palani Rd	38.97
200	Saddle Rd 2/	43.22
250	Kohala Mountain Rd, Hawi Rd	19.28
270	Kawaihae Rd, Akoni Pule Hwy	27.00
MAUI		
State Routes		
30	High St, Honoapiilani Hwy, Kahekili Hwy	41.62
31	Piilani Hwy 3/	7.15
36	Hana Hwy	16.21
37	Haleakala Hwy, Kula Hwy	21.34
360	Hana Hwy, Keawa Pl	34.83
378	Haleakala Crater Rd	10.10

Continued on next page.

**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES  
AND INTERSTATES: 2015 -- Con.**

<b>Route</b>	<b>Description</b>	<b>Miles</b>
<b>KAUAI</b>		
State Routes		
50	Kaumualii Hwy	32.92
56	Kuhio Hwy	28.12
550	Waimea Canyon Dr, Kokee Rd	14.08
560	Kuhio Hwy (Starts at end of Route 56)	10.01
<b>MOLOKAI</b>		
State Routes		
450	Kamehameha V Hwy	27.50
460	Kaunakakai PI & Maunaloa Hwy	16.55
<b>LANAI</b>		
State Routes		
440	Kaumalapau Hwy & Manele Rd	13.17

1/ Designated length and the real traveled length are different due to lava flows, between 21.83 and 25.32 miles.

2/ Not including 26 miles proposed.

3/ Not including 4.86 miles proposed.

Source: Hawaii State Department of Transportation, Highways Division, State Route System Straight Line Diagrams 2015 and records.

**Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLAND: 2013 TO 2015**

[As of December 31. Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2013				
State total	4,430.13	88.53	4,169.19	172.41
Hawaii	1,495.79	-	1,436.49	59.30
Maui	642.58	-	585.88	56.70
Lanai	47.80	-	33.80	14.00
Molokai	136.13	-	124.13	12.00
Oahu	1,668.14	88.53	1,571.69	7.92
Kauai	439.69	-	417.20	22.49
Niihau	-	-	-	-
2014				
State total	4,439.43	88.49	4,178.53	172.41
Hawaii	1,498.96	-	1,439.66	59.30
Maui	643.76	-	587.06	56.70
Lanai	48.21	-	34.21	14.00
Molokai	136.12	-	124.12	12.00
Oahu	1,671.41	88.49	1,575.00	7.92
Kauai	440.97	-	418.48	22.49
Niihau	-	-	-	-
2015				
State total	4,455.08	88.49	4,194.18	172.41
Hawaii	1,505.33	-	1,446.03	59.30
Maui	646.40	-	589.70	56.70
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,678.07	88.49	1,581.65	7.92
Kauai	440.97	-	418.48	22.49
Niihau	-	-	-	-

Source: Hawaii State Department of Transportation, Highways Division, records.

**Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2015**

Island	Number of bridges 1/	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
State	752	Airport Viaduct	14,890	Nanue	208
Hawaii	135	Hakalau	775	Nanue	208
Maui	98	Honokahua	600	Uaoa	79
Lanai	-	None	-	None	-
Molokai	19	Manawainui	360	Manawainui	50
Oahu	445	Airport Viaduct	14,890	Kipapa	156
Kauai	55	Hanamaulu	1,150	Wahiawa, Koloa	90

1/ Limited to bridges under State jurisdiction and longer than 20 feet.

Source: Hawaii State Department of Transportation, Highways Division, records.

**Table 18.04-- CONDITION OF BRIDGES: 2010 TO 2015**

Area	Number of bridges	Deficient and obsolete					
		Total		Structurally deficient 1/		Functionally obsolete 2/	
		Number	Percent	Number	Percent	Number	Percent
2010							
U.S.	604,474	146,633	24.3	69,223	11.5	77,410	12.8
Hawaii	1,137	507	44.6	141	12.4	366	32.2
2011							
U.S.	605,086	143,889	23.8	67,526	11.2	76,363	12.6
Hawaii	1,132	506	44.7	144	12.7	362	32.0
2012							
U.S.	607,380	151,497	24.9	66,749	11.0	84,748	14.0
Hawaii	1,131	505	44.7	146	12.9	359	31.7
2013							
U.S.	607,751	147,870	24.3	63,522	10.5	84,348	13.9
Hawaii	1,125	494	43.9	144	12.8	350	31.1
2014							
U.S.	610,749	145,890	23.9	61,365	10.0	84,525	13.8
Hawaii	1,137	483	42.5	61	5.4	422	37.1
2015							
U.S.	611,845	142,915	23.4	58,791	9.6	84,124	13.7
Hawaii	1,142	495	43.3	60	5.3	435	38.1

1/ Bridges are structurally deficient if they have been restricted to light vehicles, require immediate rehabilitation to remain open, or are closed.

2/ Bridges are functionally obsolete if they have deck geometry, load carrying capacity, clearance or approach roadway alignment that no longer meet the criteria for the system of which the bridge is a part.

Source: U.S. Department of Transportation, Federal Highway Administration, Structures, Deficient Bridges by State and Highway System <<http://www.fhwa.dot.gov/bridge/deficient.cfm>> accessed July 6, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2015**

Island and name of tunnel	Length (feet)
Oahu	
Pali, Honolulu side	1,049
to Honolulu	1,076
from Honolulu	
Pali, Kailua side	524
to Honolulu	531
from Honolulu	
Wilson	2,786
to Honolulu	2,804
from Honolulu	
H-3	5,579
to Honolulu	5,569
from Honolulu	
H-3, Hospital Rock	389
to Honolulu	382
from Honolulu	
Middle Street	359
Maui	
Olowalu	318
Kauai	
Kipu-Mahaulepu (private road)	2,200

Source: Hawaii State Department of Transportation, Highways Division, records; McBryde Sugar Plantation, records.

**Table 18.06-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE:  
2005 TO 2015**

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of State]

Year	All vehicles registered	Motor vehicles			
		All motor vehicles	Passenger vehicles 1/	Ambulances, hearses, patrol wagons	Buses
2005	1,149,403	1,119,838	906,799	47	2,472
2006	1,159,256	1,127,467	907,659	46	2,349
2007	1,167,240	1,134,542	911,607	47	2,260
2008	1,160,643	1,127,567	903,518	57	2,213
2009	1,149,928	1,117,790	895,770	63	2,143
2010	1,151,681	1,120,080	898,452	64	2,103
2011	1,210,370	1,181,148	951,170	79	2,320
2012	1,310,286	1,278,233	1,033,975	91	2,621
2013	1,371,341	1,341,152	1,089,709	98	2,669
2014	1,312,445	1,284,193	1,042,818	105	2,565
2015	1,261,343	1,233,523	1,001,879	108	2,465
		Motor vehicles -- continued			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motorcycles, motor-scooters 2/	Trailers and semi-trailers
2005	184,513	603	530	24,874	29,565
2006	189,878	670	682	26,183	31,789
2007	192,175	696	779	26,978	32,698
2008	191,459	799	1,074	28,447	33,076
2009	188,860	813	1,262	28,879	32,138
2010	187,733	861	1,431	29,436	31,601
2011	191,850	989	1,718	33,022	29,222
2012	200,124	1,183	2,016	38,223	32,053
2013	203,790	1,329	2,377	41,180	30,189
2014	196,892	1,405	2,637	37,771	28,252
2015	191,984	1,439	2,817	32,831	27,820

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.07-- MOTOR VEHICLES REGISTERED, BY COUNTY:  
1995 TO 2015**

[Taxable and exempt vehicles. Includes passenger cars, ambulances, buses, trucks, motorcycles and vehicles registered but subsequently scrapped or shipped out of State. Excludes trailers and semi-trailers]

<b>Year</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
1995	877,756	601,239	111,624	52,364	112,529
1996	884,617	598,772	115,647	52,984	117,214
1997	884,267	595,121	118,364	53,904	116,878
1998	893,427	594,096	121,959	56,554	120,818
1999	906,935	597,610	126,039	57,882	125,404
2000	941,242	614,985	132,305	61,316	132,636
2001	967,146	631,232	136,786	62,655	136,473
2002	987,598	643,810	142,150	63,580	138,058
2003	1,030,845	667,565	150,983	67,312	144,985
2004	1,072,211	688,163	159,627	71,517	152,904
2005	1,119,838	714,604	169,396	75,561	160,277
2006	1,127,467	719,606	173,786	74,734	159,341
2007	1,134,542	722,486	176,386	75,594	160,076
2008	1,127,567	719,640	175,166	74,344	158,417
2009	1,117,790	718,253	172,209	73,847	153,481
2010	1,120,080	720,267	171,974	73,563	154,276
2011	1,181,148	755,425	181,931	78,373	165,419
2012	1,278,233	814,361	197,273	85,292	181,307
2013	1,341,152	848,567	208,624	90,351	193,610
2014	1,284,193	816,738	199,336	85,652	182,467
2015	1,233,523	780,909	194,633	81,947	176,034

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,  
BY COUNTY: 2015**

[Taxable and exempt vehicles. Includes vehicles registered but  
subsequently scrapped or shipped out of State]

Type of vehicle	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
All vehicles	1,261,343	793,453	202,611	85,342	179,937
Motor vehicles	1,233,523	780,909	194,633	81,947	176,034
Passenger vehicles 1/	1,001,879	655,112	149,998	57,832	138,937
Ambulances	108	56	19	12	21
Buses	2,465	1,886	308	83	188
Trucks 1/	191,984	98,786	38,952	21,757	32,489
Truck tractors	1,439	692	197	471	79
Truck cranes	2,817	2,507	146	79	85
Motorcycles, motorscooters 2/	32,831	21,870	5,013	1,713	4,235
Trailers and semi-trailers	27,820	12,544	7,978	3,395	3,903

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.09-- VEHICLE REGISTRATION, BY TAXATION STATUS,  
BY COUNTY: 2015**

[Includes vehicles registered but subsequently scrapped or shipped out of State. Excludes trailers, semi-trailers and motorcycles]

<b>Taxation status</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
Total registered	1,200,692	759,039	189,620	80,234	171,799
Taxable vehicles	1,098,324	662,678	187,141	79,095	169,410
Exempt vehicles	102,368	96,361	2,479	1,139	2,389
Federal government	432	423	7	-	2
State government	6,651	6,645	5	-	1
County government	8,039	5,125	1,058	629	1,227
Fire department	341	59	149	61	72
Police department	1,917	1,336	421	29	131
Consulates	56	54	2	-	-
Disabled veterans	322	45	272	4	1
Military non-resident	74,563	74,238	69	182	74
Farm	120	37	56	1	26
Horseless carriage	61	48	1	12	-
Electric vehicles	4,079	3,096	183	136	664
National Guard	5,787	5,255	256	85	191

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,  
BY COUNTY: 2014**

[For the American Community Survey 1-Year Estimates, data were released for geographic areas with populations of 65,000 or more. At this time Kalawao county does not meet these thresholds. Data are based on a sample and are subject to sampling variability]

<b>Vehicles available</b>	<b>State total</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kauai</b>	<b>Maui</b>
Occupied units	450,769	65,178	309,002	22,234	54,303
None	36,888	2,990	29,525	1,065	3,270
1	153,610	23,592	106,455	6,243	17,306
2	164,961	25,904	110,775	8,605	19,677
3	61,427	8,821	39,081	4,350	9,175
4 or more	33,883	3,871	23,166	1,971	4,875

Source: U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates  
<<http://www.census.gov/acs/www/>> accessed July 6, 2016.

**Table 18.11-- TRUCK CHARACTERISTICS: 1987 TO 2002**

Category (100 percent)	Selected characteristic	Percent of category			
		1987	1992	1997	2002
Total trucks (1,000)		160.8	280.3	294.2	351.4
Business 1/ Body type	Personal transportation Pickup, mini-van, other light van, and sport utility	60.5	61.7	70.1	74.0
Vehicle size	Light	91.2	93.8	94.9	95.9
Annual miles	Less than 10,000 2/	94.6	95.6	95.9	96.9
Model year	Over 4 years old	57.0	50.0	44.3	51.1
Vehicle acquisition	New	62.1	66.8	74.1	68.0
Truck type	Single-unit, 2 axles 3/	49.6	54.3	48.3	50.4
Range of operation	50 miles or less	96.4	96.6	97.7	98.1
Fuel type	Gasoline	80.2	79.3	81.2	70.5
		94.6	94.6	95.1	93.7

1/ Comparability of estimates may vary across survey years due to changes in category definitions.

2/ Includes vehicles not in use.

3/ Excludes truck-tractors not in use.

Source: U.S. Bureau of the Census, *Truck Inventory and Use Survey, 1992 Census of Transportation*, TC92-T-12 (December 1994), table 2 <<http://www.census.gov/prod/1/trans/92trkinv/tct12.pdf>>; U.S. Census Bureau, *2002 Economic Census, Vehicle Inventory and Use Survey, Geographic Area Series, Hawaii*, EC02TV-HI (October 2004), tables 1a and 2a <<http://www.census.gov/svsd/www/02vehinv.html>> accessed May 12, 2005.

**Table 18.12-- NEW RETAIL LIGHT VEHICLE REGISTRATIONS:  
1989 TO 2014**

<b>Year</b>	<b>Number</b>	<b>Year</b>	<b>Number</b>	<b>Year</b>	<b>Number</b>
1989	57,456	1998	40,673	2007	54,492
1990	54,544	1999	45,054	2008	41,184
1991	47,783	2000	51,500	2009	32,878
1992	44,865	2001	51,388	2010	32,649
1993	45,249	2002	53,314	2011	35,576
1994	44,175	2003	62,712	2012	42,463
1995	41,083	2004	65,882	2013	48,721
1996	41,480	2005	70,268	2014	54,162
1997	42,487	2006	67,224		

Source: Hawaii Automobile Dealers Association, *HawaiiDealer 2015 First Quarter Edition* and previous editions.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY NAMEPLATE: 2012 TO 2014**

Nameplate	2012 1/	2013	2014
Total	42,506	48,721	54,162
Toyota/Scion	11,402	12,456	14,580
Honda	5,583	7,144	7,592
Nissan	4,259	4,925	5,752
Ford	3,145	4,040	4,326
Kia	1,310	1,461	1,955
Chevrolet	1,833	1,767	1,911
Mazda	1,518	1,879	1,884
Hyundai	1,899	1,830	1,858
BMW	1,196	1,576	1,613
Lexus	1,237	1,350	1,607
Subaru	607	1,063	1,499
Jeep	894	1,088	1,327
Mercedes	1,081	1,051	1,279
Dodge	777	1,174	1,246
Acura	851	960	861
Volkswagen	1,024	1,028	855
Ram	346	416	629
Audi	432	407	485
GMC	442	443	477
MINI	562	504	441
Infiniti	310	263	285
Cadillac	158	264	239
Chrysler	322	315	235
Porsche	143	162	194
All others	267	189	189
Volvo	220	180	173
Land Rover	117	132	142
Mitsubishi	172	159	124
Fiat	164	115	119
Buick	105	92	109
Telsa	7	167	86
Lincoln	71	86	59
Jaguar	52	35	31

1/ Data for 2012 has been revised in 2015 with total of 42,463 but specific breakdown not published.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2014 First Quarter and 2015 First Quarter.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2012 TO 2014**

<b>Type and place of manufacture</b>	<b>2012 1/</b>	<b>2013</b>	<b>2014</b>
Total	42,506	48,721	54,162
Car	21,925	24,761	26,504
Light truck	20,581	23,960	27,658
Domestic Brands	8,105	9,860	10,658
European Brands	5,129	5,315	5,504
Japanese Brands	26,063	30,255	34,187
Korean Brands	3,209	3,291	3,813

1/ Data for 2012 has been revised in 2015 with total of 42,463 but specific breakdown not published.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2014 First Quarter and 2015 First Quarter.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:  
1991 TO 2015**

[As of December 31]

<b>Year</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
1991	699,664	501,260	86,181	38,894	73,329
1992	716,545	510,901	89,436	39,947	76,261
1993	734,381	522,016	92,264	41,910	78,191
1994	745,392	527,756	94,257	42,736	80,643
1995	732,508	516,780	94,048	42,041	79,639
1996	733,486	515,780	94,943	41,775	80,988
1997	738,865	517,904	96,665	42,079	82,217
1998	746,329	520,734	98,252	42,363	84,980
1999	752,693	521,671	100,331	43,141	87,550
2000	769,383	529,890	104,058	44,471	90,964
2001	787,820	542,244	106,557	45,424	93,595
2002	814,668	560,222	110,561	46,840	97,045
2003	834,188	572,665	113,760	48,047	99,716
2004	843,876	577,507	116,486	48,967	100,916
2005	856,163	584,492	119,741	49,880	102,050
2006	867,003	590,975	122,087	50,539	103,402
2007	882,466	600,264	125,063	51,504	105,635
2008	895,941	607,747	127,456	52,479	108,259
2009	905,704	614,783	128,692	52,925	109,304
2010	911,417	618,975	129,041	52,981	110,420
2011	915,033	621,769	129,087	53,184	110,993
2012	910,265	618,492	128,423	52,683	110,666
2013	904,500	612,380	128,537	52,998	110,585
2014	902,590	607,823	129,753	53,350	111,664
2015	918,768	617,293	132,461	54,445	114,569

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE  
AND SEX: 2014 AND 2015**

[As of December 31]

Years of age	Both sexes		Male		Female	
	2014	2015	2014	2015	2014	2015
Total	902,590	918,768	467,181	474,841	435,409	443,927
15 to 19	23,322	23,630	12,175	12,342	11,147	11,288
20 to 24	64,362	62,445	34,162	32,935	30,200	29,510
25 to 29	71,024	70,884	36,667	36,441	34,357	34,443
30 to 34	82,652	83,376	41,991	42,465	40,661	40,911
35 to 39	77,485	80,696	39,555	41,028	37,930	39,668
40 to 44	78,670	77,589	40,456	39,747	38,214	37,842
45 to 49	80,264	81,692	41,234	42,144	39,030	39,548
50 to 54	86,576	86,334	44,824	44,557	41,752	41,777
55 to 59	87,123	87,822	44,569	44,987	42,554	42,835
60 to 64	81,664	84,112	42,266	43,486	39,398	40,626
65 to 69	69,186	73,475	36,455	38,577	32,731	34,898
70 to 74	45,740	49,959	24,304	26,551	21,436	23,408
75 to 79	25,462	27,278	13,200	14,127	12,262	13,151
80 to 84	16,769	16,711	8,561	8,509	8,208	8,202
85 to 89	9,378	9,584	4,952	5,038	4,426	4,546
90 to 94	2,659	2,873	1,635	1,692	1,024	1,181
95 to 99	254	308	175	215	79	93

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1992 TO 2015, AND BY COUNTY, 2014 AND 2015**

Year and county	Highway fuel consumption 1/		Annual vehicle miles of travel	
	Total (1,000 gallons)	Gallons per vehicle 2/	Total (millions)	Per vehicle 2/
1992	405,963	457	8,065.5	9,070
1993	409,940	468	7,945.3	9,063
1994	428,558	490	7,925.2	9,056
1995	422,884	482	7,944.1	9,051
1996	426,370	482	8,005.9	9,050
1997	421,499	477	8,003.0	9,050
1998	422,928	473	8,090.2	9,055
1999	417,374	460	8,215.2	9,058
2000	428,425	455	8,525.7	9,058
2001	445,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	9,050
2003	483,232	469	9,325.0	9,046
2004	498,816	463	9,734.6	9,042
2005	505,418	459	10,129.1	9,045
2006	531,505	471	10,196.3	9,044
2007	541,956	478	10,259.9	9,043
2008	540,910	480	10,189.1	9,036
2009	545,413	488	10,095.2	9,031
2010	500,987	447	10,111.0	9,027
2011	546,247	462	10,653.9	9,020
2012	520,544	407	11,517.7	9,011
2013	523,856	391	12,078.2	9,006
2014 3/	524,642	416	10,173.5	8,409
2015	540,559	480	11,129.7	9,465
COUNTY: 2014 3/				
Honolulu	308,700	378	6,185.3	7,583
Hawaii	101,350	508	1,683.1	8,432
Kauai	45,825	525	828.5	9,489
Maui	68,767	379	1,476.6	8,130
COUNTY: 2015				
Honolulu	316,253	405	6,811.9	8,723
Hawaii	107,266	551	1,890.8	9,715
Kauai	45,913	560	863.7	10,540
Maui	71,127	404	1,563.3	8,881

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**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1992 TO 2015, AND BY COUNTY, 2014 AND 2015 -- Con.**

1/ Includes gasoline, diesel oil, and butanol.

2/ Based on motor vehicle total by county of inspection; includes both taxable and nontaxable vehicles, and all military nonresident exempt vehicles. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

3/ For 2014, annual vehicle miles of travel data revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2013 TO 2015**

[Annual average daily traffic (AADT), the average of 24 hour counts collected every day in the year, unless otherwise specified]

Site	Route	Milepoint	2013	2014	2015
Oahu					
H-1 west of Kualalalai Pkwy overpass	H-1	3.41	87,900	91,100	91,600
H-1 west of Kaonohi St overpass	H-1	11.74	232,300	234,200	231,100
H-1 at Halawa Stream bridge	H-1	13.54	106,600	107,500	103,300
H-1 at airport off-ramp	H-1	16.22	95,600	96,000	105,800
H-1 west of King St tunnel	H-1	18.77	58,500	58,900	63,100
H-1 at Kalihi interchange	H-1	19.27	158,400	161,600	170,300
H-1 at Kapalama drainage canal bridge	H-1	20.24	173,500	177,500	186,700
H-1 at McCully St overpass	H-1	23.55	133,100	131,400	137,200
H-1 at Manoa-Palolo drainage canal	H-1	24.60	107,600	108,100	110,100
H-2 south of Pineapple Rd overpass	H-2	4.02	94,000	93,900	95,200
H-3 west of North Halawa Valley bridge	H-3	1.28	47,400	48,100	47,400
H-3 west of Kamehaha Hwy interchange	H-3	10.37	26,500	27,000	26,500
Moanalua Freeway west of Kahuapaani St overpass	H-201	0.21	45,200	44,200	46,200
Moanalua Freeway west of Moanalua St bridge	H-201	3.19	97,600	95,800	104,800
Pali Hwy at tunnels	61	5.69	41,800	41,600	41,900
Likelike Hwy north of Valley View Drive	63	2.96	30,000	30,600	31,600
Sand Island Parkway north of Pascule bridge	64	1.41	12,500	13,200	13,300
Kalaniana'ole Hwy east of Ainakoa Ave	72	18.32	82,200	82,000	82,600
Kamehameha Hwy at Wilson Bridge	80	0.01	47,200	38,200	49,600
Kamehameha Hwy 1.6 miles northeast of Johnson Rd	83	30.59	11,900	12,000	12,300
Nimitz Hwy east of Sand Island Access Rd	92	4.04	59,000	62,200	56,700
Farrington Hwy at Makaha bridge #2	93	12.50	18,400	18,500	18,500
Kalaeloa Blvd south of H-1 on-ramp	95	0.20	33,200	34,689	35,400

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**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2013 TO 2015 -- Con.**

Site	Route	Milepoint	2013	2014	2015
Oahu con.					
Kamehameha Hwy at Kalauao bridge	99	20.67	53,300	49,300	51,816
Kunia Rd near Kunia Dr	750	4.81	14,100	13,800	14,400
Hawaii					
Volcano Rd near Ikaika St	11	5.29	39,900	40,500	41,700
Volcano Rd at Glenwood Park	11	19.66	6,000	6,300	6,700
Mamalahoa Hwy at states' south Kona baseyard	11	104.14	6,200	6,300	6,700
Queen Kaahumanu Hwy near Hualalai Rd	11	120.77	(NA)	23,800	25,900
Hawaii Belt Rd north of Kalaoa bridge	19	8.01	10,100	9,700	9,800
Queen Kaahumanu Hwy near Kaupulehu Dr	19	83.60	13,000	13,100	13,700
Queen Kaahumanu Hwy north of OTEC access Rd	19	93.74	23,500	24,000	24,400
Keaau-Paho Rd south of waste station Rd	130	2.51	(NA)	24,400	28,900
Maui					
Honoapiilani Hwy south of Kaanapali Pkwy	30	23.58	(NA)	40,500	42,100
Honoapiilani Hwy north of Kahana Kai bridge	30	28.37	(NA)	15,673	15,787
Piilani Hwy near Lipoa Pkwy	31	6.97	33,000	32,700	36,900
Hana Hwy near Central Power Plant Rd	36	1.70	33,700	35,600	41,000
Hana Hwy near Baldwin Park	36	6.28	(NA)	18,200	18,700
Keolani Pl near Palapala Dr	36A	0.51	14,500	14,864	15,500
Kaleakala Hwy near North Firebreak Rd	37	0.61	29,200	29,900	31,200
North Kihei Hwy near 9th St	310	0.86	15,500	15,800	16,800
Mokulele Hwy near Nakii Rd	311	2.38	31,000	31,900	32,300
Kuihelani Hwy near Mauilani Pkwy	380	1.52	22,600	23,500	24,500

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**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2013 TO 2015 -- Con.**

Site	Route	Milepoint	2013	2014	2015
Kauai					
Kaumualii Hwy near Nani St	50	1.51	25,000	25,800	26,800
Kaumualii Hwy at Punee Rd	50	8.35	14,100	14,300	14,600
Kaumualii Hwy near Alawai Rd	50	22.37	10,700	10,700	11,600
Rice St near Mokoï St	51	0.79	13,800	14,500	14,100
Kuhio Hwy near Huilei Rd	56	2.40	15,600	14,700	15,200
Kuhio Hwy northwest of Kolo Rd and Kalamania Rd	56	23.53	14,200	14,400	14,700
Nawiliwili Rd near Kanani St	58	1.44	12,100	12,900	12,500
Akuhuni Rd near Palai St	570	0.31	11,200	12,000	12,800

NA Not available.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

**Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU  
URBANIZED AREA: 2011 TO 2014**

Subject	2011	2012	2013	2014
Population (1,000s)	1/ 800	820	835	845
Peak commuters (1,000s) 2/	364	374	381	379
Daily vehicle-miles of travel (1,000s)				
Freeway	6,265	5,855	5,959	6,066
Arterial streets	3,148	3,125	3,139	3,252
Cost components				
Value of time (\$/hour)	16.79	17.14	17.39	17.67
Commercial cost (\$/hour)	86.81	89.56	89.60	94.04
Gasoline (\$/gallon)	3.66	4.11	4.35	4.21
Diesel (\$/gallon)	4.43	4.79	4.91	4.86
Annual excess fuel consumed 3/				
Total fuel (1,000 gallons)	1/ 13,478	13,738	13,951	14,118
Fuel per peak auto commuter (gallons)	1/ 25	25	25	26
Annual delay 4/				
Total delay (1,000s of person-hours)	1/ 26,417	26,926	27,344	27,672
Delay per peak auto commuter (person-hours) 5/	1/ 50	50	50	50
Congestion cost (constant 2014 \$) 6/				
Total cost (\$ million)	1/ 619	618	619	616
Cost per peak auto commuter (\$)	1/ 1,130	1,128	1,129	1,125

1/ Revised from previous *Data Book*.

2/ Number of travelers who begin a trip during the morning or evening peak travel periods (6 to 10 a.m. and 3 to 7 p.m.). "Commuters" are private vehicle users unless specifically noted.

3/ Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

4/ The overall size of the congestion problem. Measured by the total travel time above that needed to complete a trip at free-flow speeds.

5/ A yearly sum of all the per-trip delays for those persons who travel in the peak period (6 to 10 a.m. and 3 to 7 p.m.). This measure illustrates the effect of traffic slowdowns as well as the length of each trip.

6/ Value of travel delay for 2014 (estimated at \$17.67 per hour of person travel and \$94.04 per hour of truck time) and excess fuel consumption estimated using state average cost per gallon.

Source: Texas Transportation Institute, *Urban Mobility Scorecard* <<http://mobility.tamu.edu/ums/report/>> accessed July 8, 2016.

**Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1996 TO 2014, AND BY COUNTY, 2013 AND 2014**

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal 2/	Injured only	Killed 2/
1996	13,299	132	11,652	145
1997	12,445	117	11,190	131
1998	11,546	113	10,304	120
1999	10,632	90	9,604	98
2000	11,112	116	9,893	132
2001	10,872	133	8,647	140
2002	10,659	116	8,947	119
2003	11,289	117	9,088	133
2004	11,002	128	8,827	142
2005	10,592	129	8,574	140
2006	10,260	144	8,151	161
2007 3/	9,531	123	7,476	138
2008 3/	8,247	102	6,427	107
2009 3/	7,377	99	5,784	109
2010 3/	7,944	108	6,444	113
2011 3/	7,457	97	6,584	100
2012 3/ 4/	4,504	115	3,952	125
2013 4/	2,273	94	2,064	102
2014 4/	62	95	37	95
COUNTY: 2013 4/				
Honolulu	1,650	50	1,457	53
Hawaii	357	21	377	26
Kauai	249	7	223	7
Maui	17	16	7	16
COUNTY: 2014 4/				
Honolulu	28	53	10	53
Hawaii	13	13	12	13
Kauai	4	8	9	8
Maui	17	21	6	21

1/ Effective 1991, includes only accidents with damage of \$1,000 or more or causing injury or death.  
 Effective June 20, 1995, includes only accidents with damage of \$3,000 or more or causing injury or death.

2/ Effective 2005, based on Fatality Analysis Reporting System (FARS) data published by the National Highway Traffic Safety Administration.

3/ Revised from previous *Data Book*.

4/ Preliminary.

Source: Hawaii State Department of Transportation, Highways Division/Traffic Branch, records.

**Table 18.21-- DRIVERS INVOLVED IN FATAL CRASHES AND BLOOD ALCOHOL CONCENTRATION (BAC) OF THE DRIVER: 2012 TO 2014**

[Blood alcohol concentration (BAC) is measured in grams per deciliter (g/dl), one deciliter = 1/10 liter. Totals may not equal sum of county totals due to independent rounding. Also, percentages as displayed are calculated from unrounded number of estimated fatalities and may not equal those calculated from the rounded numbers (especially for counties with very few fatalities)]

County	All drivers	No alcohol BAC = 0.00		Any alcohol BAC = 0.01 +		BAC = 0.01 - 0.07		BAC = 0.08 +	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
2012, State total 1/	176	124	70	52	30	10	6	42	24
Hawaii	51	34	67	17	33	6	12	10	20
Honolulu	86	65	76	21	24	3	4	18	20
Kauai	8	5	63	3	38	-	-	3	38
Maui	31	19	61	12	39	1	3	11	36
2013, State total	123	82	67	41	33	9	7	32	26
Hawaii	24	17	70	7	30	3	13	4	18
Honolulu	66	44	67	22	33	5	7	17	25
Kauai	10	6	60	4	40	-	-	4	40
Maui	23	15	63	8	37	1	4	7	32
2014, State total	128	90	70	38	30	3	3	35	27
Hawaii	17	12	73	5	27	1	3	4	24
Honolulu	70	49	70	21	30	2	3	19	27
Kauai	13	11	85	2	15	-	-	2	15
Maui	28	18	63	10	37	1	3	10	34

1/ Revised from previous *Data Book*.

Source: U.S. Department of Transportation, National Highway Traffic Safety Administration (NHTSA), National Center for Statistics & Analysis (NCSA), Fatality Analysis Reporting System (FARS), FARS Encyclopedia: Reports, FARS Encyclopedia: States - Alcohol <<http://www-fars.nhtsa.dot.gov/>> accessed July 8, 2016.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:  
2013 TO 2015**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2013	2014	2015	2013	2014	2015
Hawaii	238	270	256	6,040	4,719	4,864
Maui	3/ 27	(NA)	(NA)	1,426	(NA)	(NA)
Lanai	(NA)	(NA)	(NA)	15	(NA)	(NA)
Molokai	(NA)	(NA)	(NA)	23	(NA)	(NA)
Oahu	1,814	1,914	2,479	439,900	468,295	498,223
Kauai 4/	-	-	-	2,743	2,930	5/ 944

NA Not available.

1/ Taxicabs are licensed annually, except in Kauai County where registration is not required.

Maui data are for the County of Maui. Oahu data are for fiscal year July 1 to June 30.

2/ Bicycles with wheels having a diameter of 20 inches or more and all mopeds, both of which were formerly licensed on an annual basis, have, since November 1, 1988, been registered biennially, see SLH 1988, Act 264, sec. 1; for the Honolulu County registrations are permanent with no annual renewals.

3/ Total for Maui, Lanai and Molokai; data are not available separately.

4/ As of January 1, 1999, bicycles are issued a permanent bicycle tag which is good for the life of the bicycle.

5/ Due to a misinterpretation on the retail level that has been corrected in 2015. 2015 figure might not be comparable to previous years.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism. Data provided by the Department of Finance of the Counties of Hawaii, Maui and Kauai, and the Department of Customer Services of the City & County of Honolulu.

**Table 18.23-- PASSENGER CAR RENTAL AND LEASING  
(NAICS 53211): 1997 TO 2012**

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS)]

Subject	State total	County			
		Hawaii	Honolulu	Kauai	Maui
Number of establishments					
1997	63	11	25	(NA)	19
2002	64	13	19	10	22
2007	102	25	40	11	26
2012	116	26	45	16	29
Revenue (\$1,000)					
1997	347,624	45,172	154,679	(NA)	104,759
2002	478,241	70,509	208,435	61,100	138,197
2007	(D)	103,774	(D)	82,207	(D)
2012	728,725	108,308	(D)	96,896	(D)

NA Not available.

D Withheld to avoid disclosing data for individual companies.

Source: U.S. Census Bureau, *1997 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC97F53A-HI, (Aug. 1999), tables 1 and 3 <<http://www.census.gov/epcd/www/97EC53.HTM>>; *2002 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC02-53A-HI, (Dec. 2004), tables 1 and 3 <[http://www.census.gov/econ/census02/guide/02EC\\_HI.HTM](http://www.census.gov/econ/census02/guide/02EC_HI.HTM)> accessed February 25, 2005; *2007 Economic Census, Real Estate and Rental and Leasing: Geographic Area Series: Hawaii* <<http://www.census.gov/econ/census07/>> accessed June 1, 2010; *2012 Economic Census, Real Estate and Rental and Leasing: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012* <<http://www.census.gov/econ/census/help/sector/gas.html>> accessed June 19, 2015.

**Table 18.24-- MOTOR CARRIER CHARACTERISTICS, BY COUNTY:  
2013 TO 2015**

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
2013					
State total	1,729	6,304	150,521	6,154	31,557
Hawaii	291	950	22,486	1,353	5,291
Maui	237	1,042	25,580	916	3,849
Honolulu	1,108	3,986	94,783	3,288	20,314
Kauai	93	326	7,672	597	2,103
2014					
State total	1,776	6,493	153,099	6,106	31,297
Hawaii	290	954	22,652	1,339	5,233
Maui	242	1,048	25,700	910	3,827
Honolulu	1,153	4,169	97,135	3,260	20,135
Kauai	91	322	7,612	597	2,102
2015					
State total	1,659	6,717	158,419	5,172	26,632
Hawaii	245	943	22,391	1,005	4,464
Maui	237	1,110	27,220	828	3,201
Honolulu	1,078	4,239	98,766	2,797	17,137
Kauai	99	425	10,042	542	1,830

1/ Includes mostly tour bus operators; excludes public transit, school buses, taxicabs, and rental car companies.

2/ Includes truckers, moving companies, etc.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.25-- PUBLIC TRANSIT, FOR OAHU: 1993 TO 2015**

[As of June 30. Service provided by City and County of Honolulu bus system]

<b>Year</b>	<b>Number of buses 1/</b>	<b>Bus mileage 2/</b>	<b>Total passengers 3/</b>	<b>Revenues (dollars)</b>
1993	470	18,120,044	76,136,390	19,837,616
1994	501	18,396,694	77,338,147	23,897,154
1995	508	19,031,466	72,745,086	25,058,736
1996	523	19,090,912	68,923,459	30,420,976
1997	524	19,452,526	68,634,884	29,804,091
1998	525	19,665,805	71,822,553	29,197,402
1999	525	19,639,602	66,236,147	27,819,265
2000	525	20,359,607	66,602,820	27,055,656
2001	529	21,710,838	70,384,025	26,963,518
2002	525	21,800,354	73,524,474	30,602,648
2003	525	21,482,533	69,100,627	30,114,566
2004 4/	536	19,380,256	61,297,980	33,652,238
2005	496	21,558,149	67,406,827	39,925,419
2006	499	21,166,957	70,384,355	41,531,437
2007	524	21,075,502	71,749,376	41,742,352
2008	528	21,536,584	69,759,954	41,984,132
2009	530	21,502,920	77,329,706	42,454,923
2010	530	21,324,615	73,158,633	45,874,670
2011	516	21,378,394	73,832,127	51,721,436
2012	515	21,233,308	76,296,482	54,774,006
2013	526	20,310,301	69,242,214	55,038,042
2014	519	20,707,063	66,285,449	54,976,149
2015	521	21,229,733	69,327,213	55,064,804

1/ Number of buses refers to number of buses in active fleet.

2/ Estimated number of vehicle miles.

3/ Estimated number of passengers, including senior citizens and disabled.

4/ Bus strike for 34 days.

Source: City and County of Honolulu, Department of Transportation Services, Public Transit Division, records.

**Table 18.26-- BUS FARE CHRONOLOGY, FOR OAHU:  
1971 TO 2016**

[As of July 1, 2016. In dollars]

Effective date	One-way cash fare		Monthly pass	
	Adult 1/	Youth 2/	Adult 1/	Youth 2/
March 1, 1971	.25	.15	(X)	(X)
March 2, 1971	.25	.10	(X)	(X)
June 9, 1972 3/	.25, .50	.10, .25	(X)	(X)
March 15, 1974	.25	.10	(X)	(X)
November 1, 1979	.50	.25	15.00	7.50
June 18, 1984	.60	.25	15.00	7.50
October 1, 1993	.85	.25	20.00	7.50
July 1, 1995	1.00	.50	25.00	12.50
July 1, 2001	1.50	.75	27.00	13.50
July 1, 2003	1.75	.75	30.00	13.50
October 1, 2003	2.00	1.00	40.00	20.00
July 1, 2009 4/	2.25	1.00	50.00	25.00
July 1, 2010 5/	2.50	1.25	60.00	30.00

X Not applicable.

1/ Adult means any person over the age of 17 who does not qualify as a "youth".

2/ "Youth" means a person 6 through 17 years of age, subject to the presentation of a valid identification card establishing the age of the person. The term includes high school students, up to 19 years of age, with a valid high school identification card establishing the age of the students and the student's current enrollment, but excludes college, university and vocational training students if over the age of 17.

3/ Zone fares initiated and later eliminated.

4/ Other fares. Annual pass, adult: \$550.00, youth: \$275.00.

5/ Other fares. Annual pass, adult: \$660.00, youth: \$330.00.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records; TheBus Oahu Transit Services, Inc.

<<http://www.thebus.org/Fare/FarePasses.asp>> accessed July 8, 2016.

**Table 18.27-- AIRPORTS AND HELIPORTS, BY CONTROL,  
BY ISLAND: 2015**

[As of December 31]

Island	Airports 1/				Helicopters 3/	
	State 2/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
State total	9	7	4	1	-	6
Hawaii	2	2	1	-	-	5
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	2	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-

1/ Excludes private airports.

2/ Three airports classified as general aviation fields (Waimea-Kohala, Hana, and Kalaupapa) provide regular air service.

3/ Excludes military and private heliports.

4/ Owned by the U.S. Department of the Interior, Fish and Wildlife Service.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.28-- HONOLULU INTERNATIONAL AIRPORT AIRCRAFT OPERATIONS AND ENPLANED PASSENGERS: 2000 TO 2014**

[Fiscal year ending June 30]

Year	Aircraft operations 1/	Enplaned passengers 2/	Rank 3/
2000	237,188	10,815,367	23
2001	231,388	10,150,357	24
2002	219,286	9,108,574	25
2003	213,995	9,148,533	24
2004	217,151	9,250,413	25
2005	250,780	9,629,674	26
2006	246,383	9,583,299	25
2007	249,607	10,237,304	25
2008	228,420	9,450,696	25
2009	219,158	8,615,603	25
2010	202,150	8,633,599	25
2011	206,789	8,598,902	27
2012	214,947	9,014,375	27
2013	223,083	9,484,443	27
2014	234,594	9,422,406	27

1/ Include itinerant air carrier and air taxi only.

2/ Include air carrier, commuter and international.

3/ Ranking of top 100 FAA towers by total enplanements, 1 for highest number of passengers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *Terminal Area Forecast Summary* (annual) <[https://www.faa.gov/data\\_research/aviation/taf/](https://www.faa.gov/data_research/aviation/taf/)> accessed July 8, 2016.

**Table 18.29-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2013 TO 2015**

[An FAA directive dated December 8, 1987, requires all aircraft with 60 seats or less to be designated as air taxis, even if such aircraft are operated by a designated air carrier. This reclassification especially affects the data for Molokai Airport]

<b>Airport</b>	<b>Total operations</b>	<b>Air carrier</b>	<b>Air taxi</b>	<b>General aviation</b>	<b>Military</b>
2013					
Honolulu International	290,237	154,585	71,763	49,329	14,560
Kahului	128,303	45,018	61,623	18,998	2,664
Kona International	118,037	22,276	26,621	52,548	16,592
Lihue	126,302	26,194	68,938	24,857	6,313
Hilo International	94,311	14,933	46,536	18,434	14,408
Molokai	34,518	1,358	24,005	6,041	3,114
Kalaheo	139,124	2	2	110,742	28,378
2014					
Honolulu International	311,138	157,018	79,584	53,319	21,217
Kahului	128,612	49,994	60,132	15,995	2,491
Kona International	129,655	22,266	22,953	67,585	16,851
Lihue	126,577	25,849	65,151	29,771	5,806
Hilo International	86,983	15,104	47,337	13,572	10,970
Molokai	34,363	329	27,020	5,168	1,846
Kalaheo	132,385	42	873	99,100	32,370
2015					
Honolulu International	312,655	154,429	88,620	50,813	18,793
Kahului	134,674	51,988	65,356	14,878	2,452
Kona International	135,064	24,809	22,350	71,545	16,360
Lihue	132,398	23,598	77,497	24,659	6,644
Hilo International	81,269	15,650	47,663	8,376	9,580
Molokai	37,328	-	31,728	4,180	1,420
Kalaheo	128,558	9	2,075	101,424	25,050

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.30-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:  
1991 TO 2015**

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu International Airport	Hilo International Airport	Kona International Airport 1/	Kahului Airport	Lihue Airport	Molokai Airport
1991	403,566	88,206	56,140	180,857	112,679	47,898
1992	403,628	91,055	63,939	178,752	103,686	35,662
1993	358,505	92,297	59,904	172,265	70,910	39,057
1994	359,569	86,292	66,438	179,227	91,582	38,369
1995	373,926	84,917	73,537	179,883	97,400	45,517
1996	372,268	87,862	77,025	178,590	106,332	49,221
1997	358,784	101,521	87,358	173,342	111,349	44,667
1998	334,046	112,479	81,285	180,890	105,979	49,353
1999	346,609	115,820	82,955	188,385	115,523	49,184
2000	345,771	115,546	98,052	174,855	113,850	44,691
2001	327,006	96,238	107,793	160,324	103,655	43,806
2002	323,726	97,540	123,704	157,868	102,426	43,065
2003	301,919	99,415	119,210	151,558	97,576	40,944
2004	320,520	107,880	137,918	160,552	104,506	36,757
2005	330,506	108,462	154,967	168,449	107,497	39,364
2006	317,317	96,724	143,411	164,992	118,169	39,685
2007	310,607	96,011	144,537	148,034	116,461	37,615
2008	286,593	75,598	127,796	128,022	113,371	31,200
2009	274,434	67,851	109,581	118,800	99,171	24,295
2010	263,440	78,663	124,889	118,896	106,815	26,491
2011	263,354	78,687	111,968	122,449	100,487	30,274
2012	278,145	79,064	116,654	130,010	118,431	34,672
2013	290,237	94,311	118,037	128,303	126,302	34,518
2014	311,138	86,983	129,655	128,612	126,577	34,363
2015	312,655	81,269	135,064	134,674	132,398	37,328

1/ Formerly Keahole Airport; effective June 16, 1997, the new name is The Kona International Airport at Keahole.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.31-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS  
SERVING HAWAII: 2004 TO 2015**

[As of June 30. Includes both scheduled and nonscheduled service,  
and also commuter lines and other air taxi service]

<b>Service</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
All carriers	43	43	42	39	37	39
Transpacific only	32	32	32	30	28	30
Domestic	13	13	14	14	13	12
Foreign	19	19	18	16	15	18
Transpacific and interisland	2	2	2	2	2	1
Interisland only	9	9	8	7	7	8
Passenger carriers	4	4	4	3	3	3
Cargo and mail only	5	5	4	4	4	5
<b>Service</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
All carriers	33	37	38	36	36	36
Transpacific only	24	26	28	26	27	28
Domestic	11	12	16	14	14	14
Foreign	13	14	12	12	13	14
Transpacific and interisland	2	1	1	1	1	1
Interisland only	7	10	9	9	8	7
Passenger carriers	4	6	6	6	5	4
Cargo and mail only	3	4	3	3	3	3

Source: Hawaii State Department of Transportation, Airports Division, records; starting 2004 data from Official Airline Guide, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.32-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR  
ARRIVING FLIGHTS: 2013 TO 2015**

[Non-stop flights only, does not include charter flights]

<b>Airport</b>	<b>2013</b>	<b>2014 1/</b>	<b>2015</b>
State of Hawaii	10,896,815	11,264,105	11,912,851
Honolulu International	7,789,317	7,901,488	8,118,416
Kahului	1,843,928	1,975,832	2,265,402
Kona International	614,714	686,553	808,981
Hilo International	48,588	46,056	44,540
Lihu'e	600,268	654,176	675,512
Domestic	7,263,563	7,594,598	8,203,127
International	3,633,252	3,669,507	3,709,724

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Monthly Visitors Statistics December 2014* and Hawaii Tourism Authority, Tourism Research, *Monthly Visitor Statistics, December 2015*  
<[http://www.hawaiitourismauthority.org/index.cfm?page=tourism\\_research&level1=tourism\\_research](http://www.hawaiitourismauthority.org/index.cfm?page=tourism_research&level1=tourism_research)>  
accessed July 6, 2016.

**Table 18.33-- CIVIL FLYING: 1990 TO 1993 AND 1996**

Item	1990	1991	1992	1993	1996
Aircraft facilities, Dec. 31	50	48	47	47	46
Airports	34	33	32	32	30
Heliports	16	15	15	15	16
Public aircraft facilities, Dec. 31	16	17	17	18	18
Paved and lighted facilities, Dec. 31	12	12	13	13	13
Large aircraft in operation, Dec.	52	56	59	50	(NA)
Aloha Airlines	17	19	21	17	(NA)
Hawaiian Airlines	35	29	29	24	(NA)
Mid Pacific Airlines	-	8	9	9	(NA)
General aviation 1/					
Active civil aircraft, Dec. 31	561	484	372	312	364
Hours flown (1,000)	278	259	176	140	155
Active personnel, Dec. 31					
Pilots, except instructors	3,505	3,339	3,293	3,088	2,561
Flight instructors	309	350	388	360	378
Nonpilot airmen 2/	3,306	3,492	3,711	3,828	3,850

NA Not available.

1/ Aircraft based in Hawaii. Data based on small samples with large standard errors (in 1996, 34.6 percent for aircraft and 52.3 percent for hours).

2/ Mechanics, parachute riggers, ground instructors, dispatchers, flight navigators, and flight engineers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *FAA Statistical Handbook of Aviation* (annual).

**Table 18.34-- SELECTED STATISTICS FOR HAWAIIAN  
AIRLINES: 2007 TO 2010**

Subject	2007	2008	2009	2010
Operating aircraft (year-end)	29	32	33	(NA)
Employees (full-time equivalents)	3,105	3,190	3,600	3,600
Aircraft departures (thousands) 1/	57	65	74	(NA)
Passengers enplaned (millions) 2/	7.1	7.8	8.3	8.4
Revenue passenger miles (billions) 2/	7.9	7.8	8.1	8.7
Cargo revenue ton miles (millions) 1/	70.0	76.7	75.0	84.0

NA Not available.

1/ All services.

2/ Scheduled services only.

Source: Airlines for America, *Economic Report* (annual) <<http://www.airlines.org/Pages/A4A-Economic-Reports-of-the-U.S.-Airline-Industry.aspx>> accessed June 18, 2013.

**Table 18.35-- RANK OF HAWAII LOCATIONS AMONG THE TOP DOMESTIC AIRLINE MARKETS: 2007 TO 2010**

<b>Rank</b>	<b>Origin or destination</b>	<b>Daily Passengers (Average, Each Way)</b>	<b>Average One-Way Ticket Price 1/</b>
2007			
7	Honolulu - Kahului	2,660	35.38
22	Honolulu - Lihue	1,847	35.70
26	Honolulu - Kona	1,771	37.40
29	Honolulu - Hilo	1,694	38.20
34	Honolulu - Los Angeles	1,615	195.14
2008			
11	Honolulu - Kahului	2,091	53.46
30	Honolulu - Lihue	1,497	54.57
32	Honolulu - Kona	1,463	61.24
36	Honolulu - Los Angeles	1,449	231.83
2009			
30	Honolulu - Los Angeles	1,446	214.69
2010			
11	Honolulu - Maui	1,895	59.89

1/ Includes government-imposed taxes and fees.

Source: Airlines for America, *Economic Report* (annual) <<http://www.airlines.org/Pages/A4A-Economic-Reports-of-the-U.S.-Airline-Industry.aspx>> accessed June 18, 2013.

**Table 18.36-- OVERSEAS AND INTER-ISLAND AIR PASSENGER  
MOVEMENTS: 1988 TO 2015**

[Revenue and non-revenue passengers, excluding Military Airlift Command (MAC)]

Year	Overseas passengers 1/		Honolulu transit	Inter-island passengers
	Arrivals	Departures		
1988	6,653,346	6,713,621	1,421,707	8,964,928
1989	7,022,986	7,234,653	1,167,954	9,634,077
1990	7,310,635	7,562,156	1,065,408	9,907,154
1991	7,135,595	7,215,323	1,020,464	9,368,576
1992	7,248,645	7,087,463	1,318,044	9,568,434
1993	6,924,571	6,907,236	1,298,684	9,345,320
1994	7,309,894	7,478,052	956,926	9,920,709
1995	7,517,273	7,692,494	750,495	10,388,281
1996	7,700,229	7,992,620	690,833	10,581,825
1997	7,788,367	7,874,798	706,030	10,448,099
1998	7,576,988	7,728,768	466,807	10,075,448
1999	7,699,676	7,737,494	376,236	10,173,069
2000	7,981,640	7,959,325	407,359	10,378,775
2001	7,270,532	7,263,415	275,853	9,169,182
2002	7,414,344	7,370,010	232,806	8,587,568
2003	7,492,272	7,472,568	125,253	7,820,545
2004	8,033,491	8,058,756	175,507	7,713,639
2005	8,730,582	8,749,733	100,172	7,867,942
2006	8,330,646	8,382,891	112,158	8,273,740
2007	8,920,759	8,910,032	100,783	9,188,139
2008	8,015,424	8,027,546	13,092	7,707,047
2009	7,707,730	7,725,872	9,004	7,420,174
2010	8,352,599	8,358,377	3,275	6,882,052
2011	8,503,087	8,428,828	45,913	6,658,445
2012	9,178,412	9,190,908	15,578	7,018,163
2013	9,294,068	9,283,476	230,494	7,122,158
2014	9,457,823	9,453,566	233,302	6,982,281
2015	9,901,345	9,908,484	230,725	7,071,105

1/ At airports in Honolulu, Kahului, Kona, Lihue and Hilo.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.37-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2014**

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
<b>OVERSEAS</b>						
Total	9,453,566	9,457,823	144,028	215,251	23,116	54,809
Honolulu	6,545,450	6,537,558	139,395	204,497	21,133	47,407
Kahului	1,703,015	1,711,253	1,363	8,529	677	3,254
Kona 2/	603,049	606,754	3,240	1,455	1,306	4,149
Lihue	562,858	564,293	27	768	-	-
Hilo	39,194	37,965	3	1	-	-
<b>INTERISLAND</b>						
Total	6,982,281	6,982,281	70,211	70,211	19,124	19,124
Honolulu	3,133,439	3,125,446	45,561	23,945	14,092	5,031
Kahului	1,413,773	1,418,034	5,097	14,307	1,820	4,813
Kona 2/	839,698	830,215	4,450	9,389	957	2,056
Lihue	797,884	796,410	4,889	10,508	837	2,733
Hilo	612,449	626,554	9,689	9,373	1,179	3,270
Molokai	95,159	98,091	249	762	-	12
Lanai	52,271	51,362	50	816	-	-
Kapalua	23,461	23,173	202	1,011	-	-
Waimea-Kohala	5,198	4,846	-	-	240	1,208
Kalaupapa	5,146	4,471	24	101	-	-
Kalaelo	2,100	1,979	-	-	-	-
Hana	1,703	1,700	-	-	-	-

1/ Revenue and non-revenue passengers, excluding passengers in transit and Military Airlift Command (MAC).

2/ Formerly Keahole Airport.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.38-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2015**

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
<b>OVERSEAS</b>						
Total	9,908,484	9,901,345	140,234	213,857	25,617	61,432
Honolulu	6,712,804	6,706,378	136,283	202,265	23,358	53,366
Kahului	1,900,226	1,896,426	1,229	9,477	690	3,476
Kona 2/	681,158	685,235	2,682	1,330	1,570	4,590
Lihue	578,281	579,668	36	784	-	-
Hilo	36,015	33,638	4	1	-	-
<b>INTERISLAND</b>						
Total	7,071,105	7,071,105	75,925	75,925	21,405	21,405
Honolulu	3,115,387	3,102,204	49,354	25,499	16,301	5,099
Kahului	1,436,763	1,445,357	6,080	14,432	1,818	5,545
Kona 2/	857,618	846,761	4,483	11,069	902	2,332
Lihue	830,783	832,266	5,594	11,781	817	3,161
Hilo	620,174	634,769	9,928	10,288	1,217	3,830
Molokai	119,981	122,176	230	825	-	-
Lanai	40,123	38,515	48	837	-	-
Kapalua	31,186	31,042	191	1,102	-	-
Waimea-Kohala	5,237	5,018	-	-	350	1,438
Kalaupapa	6,408	5,889	18	92	-	-
Kalaelo	5,477	5,250	-	-	-	-
Hana	1,968	1,858	-	-	-	-

1/ Revenue and non-revenue passengers, excluding passengers in transit and Military Airlift Command (MAC).

2/ Formerly Keahole Airport.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.39-- AIR CARGO AND AIRMAIL: 1989 TO 2015**

[In thousands of pounds]

Year	Overseas air cargo		Overseas airmail		Interisland	
	Outgoing	Incoming	Outgoing	Incoming	Air cargo: outgoing & incoming	Airmail: outgoing & incoming
1989	313,402	301,674	28,258	33,542	146,960	20,706
1990	295,326	337,724	32,022	38,198	145,418	22,848
1991	306,376	342,032	33,658	44,281	144,104	23,673
1992	305,224	305,658	39,268	66,052	153,912	25,594
1993	307,302	255,516	52,324	112,970	147,054	26,406
1994	339,086	308,962	47,921	121,964	148,904	27,964
1995	336,764	276,416	49,056	118,098	149,174	27,646
1996	355,466	296,856	48,654	114,408	160,784	29,572
1997	424,990	363,598	51,212	110,336	173,154	31,272
1998	508,858	311,196	56,902	107,039	140,034	40,548
1999	414,678	359,426	61,410	110,975	138,368	47,786
2000	359,762	320,502	59,480	110,396	142,380	60,768
2001	242,956	204,588	50,680	102,582	150,074	42,866
2002	320,952	335,252	51,492	98,266	148,104	30,138
2003	392,530	368,656	72,564	93,030	146,188	34,916
2004	304,544	403,002	55,330	88,069	145,364	41,995
2005	298,381	409,956	60,351	101,662	144,955	48,445
2006	270,910	404,195	69,827	115,104	138,670	37,538
2007	262,473	428,361	62,718	117,636	140,212	35,117
2008	238,648	401,225	55,186	116,443	126,376	35,606
2009	222,112	373,800	51,720	111,637	120,804	32,354
2010	253,571	394,315	54,643	158,671	132,666	35,945
2011	231,234	367,534	42,326	95,390	130,115	29,554
2012	282,198	390,037	38,920	98,617	129,929	24,605
2013	267,976	404,957	36,199	90,771	138,963	33,768
2014	288,057	430,502	46,232	109,619	140,422	38,248
2015	280,468	427,713	51,234	122,864	151,851	42,809

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.40-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,  
BY DESTINATION: JULY 2015**

[Transpacific flights to depart from the State of Hawaii during a one-month period,  
including scheduled and chartered flights]

Destination	Flights during month	Destination	Flights during month
Transpacific	4,660	Japan	
U.S.	3,597	Fukuoka	26
West		Nagoya	55
Anchorage	21	Osaka	93
Denver	40	Sendai	13
Las Vegas	93	Tokyo - Haneda	93
Los Angeles	1,262	Tokyo - Narita	291
Oakland	194	Other Asia	
Phoenix	266	Beijing	32
Portland	121	Seoul	78
Sacramento	62	Shanghai	27
Salt Lake City	31	Taipei	9
San Diego	150	Oceania	
San Francisco	490	Auckland	36
San Jose	165	Brisbane	29
Seattle	367	Melbourne	13
East		Sydney	77
Atlanta	30	Other	
Chicago	53	Apia	5
Dallas / Fort Worth	128	Christmas Island	4
Houston	31	Guam	31
New York	31	Majuro	14
Newark	31	Manila	22
Washington, D.C.	31	Nadi	4
Canada		Pago Pago	14
Vancouver	93	Papeete	4

Source: Diio - Mi<sup>®</sup>, Hawai'i Tourism Authority, Tourism Research.

**Table 18.41-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY  
HAWAIIAN AIRLINES: 2011 TO 2015**

[As of July 1. Includes all taxes]

<b>Category</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Regular fare	191.20	191.30	191.40	185.00	187.00
Lowest capacity-controlled fare	90.20	95.30	85.10	68.70	69.40

Source: Hawaiian Airlines, records.

**Table 18.42-- ANNUAL AVERAGE ROUND TRIP AIR FARES BETWEEN HONOLULU AND SELECTED DESTINATIONS: 2002 TO 2015**

[Annual average, origin and destination round-trip base airfares in dollars, includes all airlines, includes all classes, excludes taxes and fees]

Year	Los Angeles	San Francisco	Las Vegas	Portland, Oregon	Seattle	Dallas/Fort Worth	Chicago
2002 1/	386	399	385	401	460	460	511
2003 1/	348	346	380	415	431	445	493
2004 1/	364	379	410	421	428	514	500
2005 1/	373	375	406	402	438	553	546
2006 1/	374	378	425	434	466	602	590
2007 1/	398	390	430	404	421	601	602
2008 1/	480	485	509	451	456	676	676
2009 1/	444	427	449	390	396	642	657
2010 1/	433	421	449	399	410	673	659
2011 1/	511	494	468	428	479	777	703
2012 1/	515	475	479	490	514	779	759
2013 1/	537	532	503	477	496	777	817
2014 1/	543	564	514	475	524	851	868
2015	542	545	531	459	495	846	874

1/ Revised from previous *Data Book*.

Source: United States Department of Transportation, Origin and Destination data from Diio - Mi<sup>®</sup>.

**Table 18.43-- STATE COMMERCIAL HARBORS: 2015**

Island and harbor	Harbor entrance depth (feet)	Harbor basin			Piers (linear feet)	Storage area (1,000 square feet)	
		Depth (feet)	Length (feet)	Width (feet)		Shedded	Open
Hawaii							
Hilo	35	35	2,300	1,400	1/ 2,749	2/ 122	2/ 906
Kawaihae	40	35	1,500	1,450	1,627	10	693
Maui							
Kahului	40	35	2,400	2,050	3,319	44	1,401
Molokai							
Kaunakakai	23	23	1,500	600	691	7.4	125
Lanai							
Kaunapapa	60	30-50	800	500	400	-	100
Oahu							
Honolulu Main	} 45	40	{ 3,600	1,520	} 31,087	1,208	9,030
Kapalama			{ 3,500	1,100			
Kalaheo							
Barbers Point	42	38	2,300	1,800	2,990	36	1,838
Kauai							
Nawiliwili	40	35	1,950	1,540	2,216	76	1,372
Port Allen	35	35	1,500	1,200	1,200	35	32

1/ Construction of Hilo Pier 4 (602 feet long) continuing through 2015.

2/ In 2015 Hilo Harbor, Pier 1 will have 40% of it's shed demolished.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.44-- HARBOR DEPTHS: 2014**

[In feet]

Harbor	Controlling depth		Project depth	
	Entrance channel	Basin	Entrance channel	Basin
Hilo	(NA)	34	(NA)	35
Kawaihae	42	36	40	35
Kahului	(NA)	34	(NA)	35
Barbers Point	42	37	42	1/ 38
Honolulu	45	2/ 40	45	3/ 40
Nawiliwili	4/ 41	34	40	35

NA Not available.

1/ 21 feet in light-draft harbor basin.

2/ 40 feet in Kapalama Basin and in connecting channel.

3/ 40 feet in connecting channel, 23 feet in Kalihi channel.

4/ Outer and inner channel.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2014, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wcsc/webpub14/webpubpart-4.htm>> accessed July 8, 2016.

**Table 18.45-- SMALL CRAFT MOORING FACILITIES,  
BY ISLAND: DECEMBER 31, 2015**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,838	1,672	214	182	1/ 539+	444
Hawaii	378	345	30	21	1/ 100+	94
Maui	188	187	-	-	150	105
Oahu	1,147	1,016	168	145	1/ 250+	231
Kauai	125	124	16	16	39	14

1/ '+' means equal to or greater (=>) than the number shown.

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, records.

**Table 18.46-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLAND:  
APRIL 2011**

[Includes all lights, day beacons, buoys, and similar aids to navigation in the Hawaiian Archipelago]

Island	Number of aids to navigation				Lighthouses	Greatest nominal range (naut. miles)	Highest above sea level (feet)	Highest Structure Height (feet)
	By control							
	Total	Federal	Other 1/					
Total	548	317	231	21	2/ 25	2/ 931	3/ 153	
Hawaii	65	52	13	8	24	156	153	
Maui	75	34	41	2	10	161	40	
Molokini	1	1	-	-	21	186	138	
Kahoolawe	1	1	-	-	7	120	20	
Lanai	16	8	8	1	8	91	37	
Molokai	19	10	9	1	21	321	8	
Oahu	242	156	86	5	25	931	25	
Kauai	45	28	17	4	24	174	10	
Niihau	-	-	-	-	-	-	-	
Lehua	1	1	-	-	7	704	10	
Midway	19	19	-	-	4	51	51	
At sea	64	7	57	-	-	-	-	

1/ State and private. Includes State-maintained fish aggregating buoys at sea.

2/ Kaena Point Light.

3/ Cape Kumukahi Light.

Source: United States Coast Guard, Fourteenth Coast Guard District, records.

**Table 18.47-- UNDOCUMENTED VESSEL REGISTRATION:  
DECEMBER 31, 2015**

Subject	Number	Subject	Number
Registered vessels	11,230	Type of vessel	
Length		Aux. powered sailing vessel	921
Under 16 feet	3,476	Cabin motorboat	2,106
16 to less than 26 feet	5,978	Open motorboat	4,632
26 to less than 40 feet	1,585	Runabout	1,668
40 to 65 feet	183	Sail only	512
Over 65 feet	8	Houseboat	2
Hull material		Motor vessel over 65 feet in length	10
Aluminum	388	Thrill craft	882
Fiberglass / plastic	10,096	Other	497
Rubber / fabric	339	Uses	
Wood	309	Pleasure	10,428
Other	82	Commercial fishing	149
Steel	16	Charter fishing	8
Propulsion		Commercial passenger	193
Inboard	2,691	Other commercial	75
Outboard	4,735	Livery	49
Inboard / outboard	1,421	Dealer	6
Sail / inboard	569	Manufacturer	2
Sail / outboard	403	Youth group - fee exempt	76
Sail only	386	Government - fee exempt	228
Manual	55	Other	16
Other	53	Island where vessel is kept	
Waterjet	917	Hawaii	1,994
Mooring location		Kauai	1,206
Moored on water	2,540	Lanai	45
Moored on land	8,690	Maui	1,160
		Molokai	149
		Oahu	6,676

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *State of Hawaii Report of Undocumented Vessel Registration* (annual).

**Table 18.48-- NUMBERED VESSELS REGISTERED IN HAWAII:  
1998 TO 2015**

[Non-documented numbered vessels registered with the Hawaii State Department of Land & Natural Resources, Division of Boating & Ocean Recreation. Any mechanically propelled boat (including those with auxiliary engines), and any boat powered solely by sail if over eight feet in length, must be numbered. As of December 31]

<b>Year</b>	<b>Number of vessels</b>	<b>Year</b>	<b>Number of vessels</b>
1998	15,138	2007	15,094
1999	15,481	2008	16,744
2000	14,874	2009	15,709
2001	14,273	2010	14,847
2002	15,445	2011	14,073
2003	15,587	2012	13,328
2004	17,130	2013	13,928
2005	15,302	2014	12,034
2006	15,015	2015	11,230

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *State of Hawaii Report of Undocumented Vessel Registration* (annual) and records.

**Table 18.49-- BOATING ACCIDENTS: 1991 TO 2015**

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured, not fatally		
1991	19	3	5	14	19	189.5
1992	19	(NA)	3	5	(NA)	472.4
1993	19	3	3	4	25	219.4
1994	25	3	4	9	28	256.9
1995	91	(NA)	18	(NA)	(NA)	(NA)
1996	46	(NA)	3	(NA)	(NA)	(NA)
1997	43	(NA)	3	(NA)	(NA)	(NA)
1998	42	(NA)	4	(NA)	(NA)	(NA)
1999	26	1	1	11	(NA)	(NA)
2000	22	2	2	11	22	244.8
2001	19	3	3	5	18	46.0
2002	22	2	2	7	24	118.0
2003	30	1	1	10	38	82.3
2004	24	1/ 5	5	6	32	107.2
2005	22	4	4	7	24	35.9
2006	30	7	7	6	32	431.3
2007	18	4	4	4	22	1,190.0
2008	27	5	5	22	30	299.0
2009	31	8	8	-	34	31.0
2010	21	4	4	3	21	(NA)
2011	28	6	6	1	32	55.4
2012	32	5	5	7	35	242.9
2013	18	4	4	7	19	217.2
2014	12	3	3	3	12	7.5
2015	15	5	2	7	16	165.0

NA Not available.

1/ Only two are termed U.S. Coast Guard reportable.

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics* (annual); Hawaii State Department of Transportation, Harbors Division, Boating Branch, *Recreational Boating Accident Statistics (Reportable) 1989 to 1991*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Recreational Boating Accident Statistics* (annual) and records.

**Table 18.50-- VESSEL ARRIVALS, BY DRAFT: 2013 AND 2014**

[Excludes domestic fishing craft]

Harbor	2013			2014		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	570	394	176	701	484	217
Kawaihae	353	339	14	554	475	79
Kahului	688	568	120	1,033	851	182
Barbers Point	978	862	116	1,033	902	131
Honolulu	2,401	1,785	616	3,292	2,457	835
Nawiliwili	488	347	141	676	488	188
Kalaupapa	1	1	-	-	-	-
Kaunakakai	122	122	-	122	122	-
Port Allen	3	3	-	20	20	-
Pearl Harbor 1/	-	-	-	60	60	-

1/ 31 feet and less

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2013, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.navigationdatacenter.us/wsc/webpub14/webpubpart-4.htm>> accessed July 8, 2016; *Waterborne Commerce of the United States Calendar Year 2014, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.navigationdatacenter.us/wsc/webpub14/webpubpart-4.htm>> accessed July 8, 2016.

**Table 18.51-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1985 TO 2015**

[Cargo tonnage in short tons, based on wharfage/tariff. Fiscal years ending June 30]

Year	Overseas vessels		Inter-island vessels	
	Number	Cargo tonnage	Number	Cargo tonnage
1985	1,749	5,071,250	2,412	1,884,925
1986	1,825	5,379,135	2,697	2,121,858
1987	2,080	5,736,005	2,848	2,135,235
1988	2,014	6,586,749	3,172	2,746,776
1989	2,024	6,877,963	3,101	2,892,709
1990	2,159	7,439,568	3,212	2,917,984
1991	2,066	6,939,735	3,190	3,962,085
1992	2,104	8,235,947	3,207	3,101,050
1993	1,918	7,462,619	2,440	2,731,645
1994	1,603	6,434,257	2,737	2,372,971
1995	1,790	6,064,842	2,996	2,096,597
1996	1,650	6,150,398	2,831	2,349,354
1997	1,604	6,244,158	2,679	2,312,266
1998	1,320	6,732,716	4,309	1,765,496
1999	1,262	5,721,503	2,249	1,730,662
2000	1,292	6,325,580	2,215	1,872,074
2001	1,295	6,467,388	2,280	1,863,218
2002	1,270	6,425,288	2,663	1,796,910
2003	1,169	(NA)	2,521	(NA)
2004 1/	1,133	6,671,523	2,418	1,892,904
2005 1/	1,121	7,013,833	2,580	2,212,657
2006 1/	1,061	7,141,689	2,972	2,335,518
2007 1/	1,027	7,474,649	3,157	2,504,483
2008 1/	1,002	7,547,740	2,964	2,330,907
2009 1/	931	6,516,235	2,512	2,237,140
2010 1/	896	6,529,057	2,264	2,233,594
2011 1/ 2/	884	6,487,533	2,390	3,220,416
2012 1/ 2/	861	6,781,058	2,316	3,162,839
2013 1/ 2/	729	7,454,768	1,923	3,333,040
2014 1/ 2/	(NA)	3/ 7,333,941	(NA)	3/ 3,845,180
2015 1/ 2/	(NA)	7,267,137	(NA)	3,793,661

NA Not available.

1/ As of fiscal year 2004, cargo tonnage does not include tonnage for bunkering, that is fuel for the use of the vessel to which the fuel is delivered.

2/ Increase in cargo volume for inter-island due to new tariff structure effective March 2010. Cargo volume has been adjusted to pre-March 2010 tariff structure.

3/ Revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.52-- CRUISE SHIP PASSENGER ARRIVALS AND DEPARTURES,  
FOR HONOLULU HARBOR: 2010 TO 2015**

[Fiscal years ending June 30. Includes cruise ships from out-of-state  
and cruise ships home-ported in Hawaii]

<b>Type of passenger</b>	<b>2010</b>	<b>2011 1/</b>	<b>2012</b>	<b>2013</b>	<b>2014 1/</b>	<b>2015</b>
In	213,304	223,005	240,245	176,996	196,984	172,382
Out	213,468	227,166	269,359	282,070	274,462	236,400

1/ Revised from previous year *Data Book*.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.53-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:  
1993 TO 2014**

[In 1,000 short tons. Excludes cargo carried by Army and Navy vessels and cargo in transit]

Year	Hilo	Kawaihae	Kahului	Barbers Point	Honolulu	Nawiliwili
1993	1,469	655	2,216	9,357	10,595	1,283
1994	1,455	736	2,368	9,022	11,672	1,151
1995	1,354	873	2,586	8,233	11,545	1,130
1996	1,442	969	2,828	8,745	12,010	1,203
1997	1,489	980	2,895	10,513	10,353	1,091
1998	1,630	886	2,851	6,658	13,723	938
1999	1,701	1,090	3,513	8,707	12,259	1,348
2000	1,651	1,310	3,477	6,778	15,501	1,581
2001	1,680	1,378	3,695	6,079	16,562	1,478
2002	1,765	1,645	3,458	5,990	16,636	1,619
2003	1,850	1,801	3,778	5,930	17,836	1,721
2004	1,850	2,277	3,901	6,086	19,085	1,757
2005	1,996	2,217	4,132	6,344	20,394	1,977
2006	2,408	2,728	4,794	10,724	16,224	1,864
2007	2,782	2,558	5,630	11,295	17,582	2,333
2008	2,068	2,063	3,958	10,137	14,006	1,680
2009	1,088	1,112	2,139	9,670	9,161	951
2010	1,135	1,050	2,114	9,171	8,903	877
2011	1,984	1,811	3,504	9,800	12,658	1,667
2012	1,968	1,837	4,711	10,046	14,321	1,947
2013	2,062	1,887	3,669	8,671	14,274	1,710
2014	2,188	1,836	3,739	10,058	14,613	1,874

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2014, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wcsc/webpub14/webpubpart-4.htm>> accessed July 8, 2016 and other annuals.

**Table 18.54-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,  
FOR SPECIFIED HARBORS: 2013**

[In 1,000 short tons. Categories may not sum to totals because of rounding]

<b>Category</b>	<b>Hilo</b>	<b>Kawaihae</b>	<b>Kahului</b>	<b>Barbers Point</b>	<b>Honolulu</b>	<b>Nawiliwili</b>
All freight traffic	2,062	1,887	3,669	8,671	14,274	1,710
Foreign						
Inbound	19	-	12	6,210	1,171	17
Outbound	-	11	12	235	190	-
Canadian						
Inbound	-	-	-	366	10	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	2,043	1,876	3,645	1,860	12,903	1,693
Receipts	1,350	1,177	2,290	458	7,029	1,155
Shipments	693	699	1,355	1,385	5,874	538
Internal, inbound, upbound	-	-	-	17	-	-

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2013, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wsc/webpub13/webpubpart-4.htm>> accessed July 8, 2016.

**Table 18.55-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,  
FOR SPECIFIED HARBORS: 2014**

[In 1,000 short tons. Categories may not sum to totals because of rounding]

<b>Category</b>	<b>Hilo</b>	<b>Kawaihae</b>	<b>Kahului</b>	<b>Barbers Point</b>	<b>Honolulu</b>	<b>Nawiliwili</b>
All freight traffic	2,188	1,836	3,739	10,058	14,613	1,874
Foreign						
Inbound	18	-	17	5,688	811	12
Outbound	-	-	-	853	228	-
Canadian						
Inbound	-	-	-	502	89	-
Outbound	-	-	-	4	2	-
Domestic						
Coastwise	2,170	1,836	3,721	3,011	13,483	1,862
Receipts	1,439	1,156	2,404	1,796	7,243	1,241
Shipments	731	680	1,317	1,206	6,240	618
Internal, inbound, upbound	-	-	-	10	-	3

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2014, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wsc/webpub14/webpubpart-4.htm>> accessed July 8, 2016.

**Table 18.56-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2013**

[In 1,000 short tons. Categories may not sum to totals due to rounding]

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Hilo	2,062	19	-	-	-	2,043	1,350	693	-
Petroleum and petroleum products	429	19	-	-	-	411	411	-	-
Primary manufactured goods	33	-	-	-	-	33	27	6	-
Food and farm products	37	-	-	-	-	37	18	18	-
Manufactured equipment, machinery and products	1,534	(2/)	-	-	-	1,534	876	658	-
Kawaihae	1,887	-	11	-	-	1,876	1,177	699	-
Petroleum and petroleum products	1	-	-	-	-	1	1	-	-
Primary manufactured goods	43	-	-	-	-	43	40	3	-
Food and farm products	105	-	-	-	-	105	72	34	-
Manufactured equipment, machinery and products	1,687	-	-	-	-	1,687	1,042	646	-
Kahului	3,669	12	12	-	-	3,645	2,290	1,355	-
Petroleum and petroleum products	417	12	-	-	-	405	405	1	-
Primary manufactured goods	60	-	-	-	-	60	54	5	-
Food and farm products	287	-	11	-	-	276	106	170	-
Manufactured equipment, machinery and products	2,825	-	-	-	-	2,825	1,693	1,133	-
Barbers Point	8,671	6,210	235	366	-	1,860	458	1,385	17
Petroleum and petroleum products	6,973	5,203	141	11	-	1,618	314	1,287	17
Primary manufactured goods	417	300	-	-	-	116	30	87	-
Food and farm products	(2/)	(2/)	-	-	-	-	-	-	-
Manufactured equipment, machinery and products	48	(2/)	-	-	-	48	48	-	-
Honolulu	14,274	1,171	190	10	-	12,903	7,029	5,874	-
Petroleum and petroleum products	1,412	944	92	-	-	377	339	38	-
Primary manufactured goods	374	31	25	-	-	318	229	89	-
Food and farm products	1,597	54	22	10	-	1,510	1,078	432	-
Manufactured equipment, machinery and products	10,308	74	7	-	-	10,226	5,019	5,208	-

Continued on next page.

**Table 18.56-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2013 -- Con.**

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Nawiliwili	1,710	17	-	-	-	1,693	1,155	538	-
Petroleum and petroleum products	94	17	-	-	-	78	75	2	-
Primary manufactured goods	33	-	-	-	-	33	29	4	-
Food and farm products	34	-	-	-	-	34	30	4	-
Manufactured equipment, machinery and products	1,536	-	-	-	-	1,536	1,014	522	-

1/ Includes internal, inbound and upbound.

2/ Figure rounds down to zero.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2013, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wsc/webpub13/webpubpart-4.htm>> accessed July 8, 2016.

**Table 18.57-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2014**

[In 1,000 short tons. Categories may not sum to totals due to rounding]

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Hilo	2,188	18	-	-	-	2,170	1,439	731	-
Petroleum and petroleum products	390	18	-	-	-	372	368	4	-
Primary manufactured goods	31	-	-	-	-	31	29	2	-
Food and farm products	33	-	-	-	-	33	17	17	-
Manufactured equipment, machinery and products	1,701	-	-	-	-	1,701	1,001	700	-
Kawaihae	1,836	-	-	-	-	1,836	1,156	680	-
Petroleum and petroleum products	5	-	-	-	-	5	5	(2/)	-
Primary manufactured goods	53	-	-	-	-	53	50	3	-
Food and farm products	117	-	-	-	-	117	73	43	-
Manufactured equipment, machinery and products	1,605	-	-	-	-	1,605	996	609	-
Kahului	3,739	17	-	-	-	3,721	2,404	1,317	-
Petroleum and petroleum products	468	17	-	-	-	451	448	3	-
Primary manufactured goods	60	-	-	-	-	60	55	5	-
Food and farm products	201	-	-	-	-	201	105	95	-
Manufactured equipment, machinery and products	2,951	-	-	-	-	2,951	1,752	1,199	-
Barbers Point	10,058	5,688	853	502	4	3,011	1,796	1,206	10
Petroleum and petroleum products	8,194	4,483	748	232	4	2,727	1,619	1,098	10
Primary manufactured goods	471	374	-	-	-	97	-	97	-
Food and farm products	(2/)	(2/)	-	-	-	-	-	-	-
Manufactured equipment, machinery and products	150	-	-	-	-	150	150	-	-
Honolulu	14,613	811	228	89	2	13,483	7,243	6,240	-
Petroleum and petroleum products	1,288	595	127	61	2	503	384	119	-
Primary manufactured goods	377	37	23	-	-	318	233	85	-
Food and farm products	1,627	53	23	12	(2/)	1,539	1,114	426	-
Manufactured equipment, machinery and products	10,759	96	8	-	-	10,655	5,202	5,454	-

Continued on next page.

**Table 18.57-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2014 -- Con.**

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Nawiliwili	1,874	12	-	-	-	1,862	1,241	618	3
Petroleum and petroleum products	114	12	-	-	-	102	96	3	3
Primary manufactured goods	34	-	-	-	-	34	30	4	-
Food and farm products	33	-	-	-	-	33	28	5	-
Manufactured equipment, machinery and products	1,668	-	-	-	-	1,668	1,069	600	-

1/ Includes internal, inbound and upbound.

2/ Figure rounds down to zero.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2014, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wcsc/webpub14/webpubpart-4.htm>> accessed July 8, 2016.

**Table 18.58-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED CODES: 2014**

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wages per employee
	Total	982	26,320	1,238,694	47,064
481	Air transportation	80	8,549	495,941	58,015
4811	Scheduled air transportation	56	8,243	480,508	58,293
4812	Nonscheduled air transportation	24	306	15,433	50,503
483	Water transportation	22	1,760	114,496	65,067
484	Truck transportation	198	3,275	139,052	42,465
4841	General freight trucking	96	1,707	75,468	44,215
4842	Specialized freight trucking	102	1,568	63,584	40,560
485	Transit & ground passenger transp.	132	2,677	64,202	23,982
4854	School & employee bus transp.	19	1,040	24,060	23,135
4859	Other ground passenger transp.	48	1,067	24,214	22,704
487	Scenic & sightseeing transportation	225	4,026	132,026	32,792
4871	Scenic & sightseeing transp., land	48	1,644	52,380	31,863
4872	Scenic & sightseeing transp., water	153	1,925	56,596	29,398
4879	Scenic & sightseeing transp., other	24	457	23,050	50,428
488	Support activities for transportation	212	4,065	206,083	50,696
4881	Support activities for air transp.	54	2,052	63,787	31,088
4883	Support activities for water transp.	35	1,150	110,627	96,225
4885	Freight transportation arrangement	69	433	20,942	48,382
491	Postal service	4	8	192	23,707
492	Couriers & messengers	69	1,371	59,035	43,070
4921	Couriers and express delivery services	42	1,205	54,142	44,919
4922	Local messengers and local delivery	27	165	4,893	29,592
493	Warehousing & storage	43	590	27,666	46,905

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages, Annual Averages 2014*, table 10 <<http://www.bls.gov/cew/cewbultn14.htm>> accessed July 6, 2016.

**Table 18.59-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN  
AND DESTINATION: 2012**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	22,156	25,730	(1/)
Destination			
Hawaii	20,721	24,793	485
California	(1/)	(1/)	(1/)
Oregon	13	(1/)	(1/)
Washington	35	(1/)	(1/)
Mode of transportation			
Single modes	20,259	25,112	(1/)
Truck	11,256	14,514	199
Water	602	406	117
Air (includes truck and air)	1,027	150	81
Pipeline	7,366	10,030	(1/)
Multiple modes	1,896	618	272
Parcel, U.S. Postal Service or courier	934	17	22
Truck and water	957	597	230
Other multiple modes	(1/)	(1/)	(1/)
Distance shipped (miles)			
Less than 50	18,373	23,572	270
50 to 99	781	488	55
100 to 249	1,533	702	147
250 to 499	33	(1/)	(1/)
500 to 2,000	-	-	-
More than 2,000	(1/)	(1/)	(1/)
Commodity			
Agricultural products	673	276	55
Meat, poultry, fish, seafood, and their preparations	652	137	(1/)
Other prepared foodstuffs and fats and oils	1,445	823	65
Alcoholic beverages and denatured alcohol	663	169	10
Gasoline, aviation turbine fuel and ethanol	4,261	5,337	94
Fuel oils	4,871	6,836	(1/)
Other coal and petroleum products, NEC	627	686	8
Pharmaceutical products	1,508	(1/)	7
Wood products	235	118	5
Textiles, leather, and articles of textiles or leather	829	23	7
Machinery	395	21	1
Electronic and other electrical equipment and components and office equipment	468	38	(1/)

1/ Withheld because estimate did not meet publication standards.

Source: U.S. Census Bureau, 2012 *Economic Census*, 2012 *Commodity Flow Survey*, various tables.

<<http://www.census.gov/econ/cfs/>> accessed June 26, 2015.

## Section 19

# AGRICULTURE

This section presents statistics on agricultural land, farms, crops, livestock, dairy products, poultry, and aquaculture. Related information appears in Sections 6 (land use), 12 and 15 (agricultural employment and earnings), and 22 (food processing).

Important sources for data on agriculture include the *United States Census of Agriculture*, most recently published for 2012, the annual report on *Statistics of Hawaii Agriculture* issued by the Hawaii Agricultural Statistics Service, and data compiled by the former Hawaiian Sugar Planters' Association, now the Hawaii Agriculture Research Center, and the Aquaculture Development Program of the Hawaii State Department of Agriculture. Agricultural data for earlier years are summarized in *Historical Statistics of Hawaii*, Section 13. National statistics appear in Section 17 of the *Statistical Abstract of the United States: 2012*.

**Table**  
**Number**   **Table Name**

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Narrative

<a href="#">19.01</a>	Farms, Land in Farms, and Selected Items: 2007 and 2012
<a href="#">19.02</a>	Farms and Land in Farms, by County: 2012
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<a href="#">19.04</a>	Value of Crop and Livestock Sales: 1985 to 2014
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**Table 19.01-- FARMS, LAND IN FARMS, AND SELECTED ITEMS:  
2007 AND 2012**

Item	Unit	2007	2012
Farms	number	7,521	7,000
Land in farms	acres	1,121,329	1,129,317
Average size of farm	acres	149	161
Value of land and buildings 1/			
Average per farm	dollars	1,146,213	1,461,342
Average per acre	dollars	7,688	9,058
Estimated market value of all machinery and equipment 1/			
Total	\$1,000	304,997	307,994
Average per farm	dollars	40,666	43,999
Farms by size			
1 to 9	acres	4,813	4,412
10 to 49	acres	1,972	1,752
50 to 179	acres	423	480
180 to 499	acres	154	172
500 to 999	acres	44	57
1,000 or more	acres	115	127
Total cropland	farms	6,281	5,551
	acres	177,626	174,042
Harvested cropland	farms	6,044	5,293
	acres	103,120	99,031
Irrigated land	farms	2,810	2,498
	acres	58,635	81,813
Market value of agricultural products sold	\$1,000	513,626	661,347
Average per farm	dollars	68,292	94,478
Crops, including nursery and greenhouse crops	\$1,000	429,916	538,873
Livestock, poultry, and their products	\$1,000	83,711	122,474
Farms by value of sales			
Less than \$2,500		2,932	2,130
\$2,500 to \$4,999		1,012	902
\$5,000 to \$9,999		996	1,058
\$10,000 to \$24,999		1,143	1,397
\$25,000 to \$49,999		557	684
\$50,000 to \$99,999		353	323
\$100,000 or more		528	506

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**Table 19.01-- FARMS, LAND IN FARMS, AND SELECTED ITEMS:  
2007 AND 2012 -- Con.**

Item	Unit	2007	2012
Farm by type of organization			
Family or individual		6,363	5,685
Partnership		437	446
Corporation		617	637
Other-cooperative, estate or trust, institutional, etc		104	232
Operators by days worked off farm			
None		1,903	2,223
Any		5,618	4,777
200 days or more		2,827	2,598
Operators by principal occupation			
Farming		3,861	3,642
Other		3,660	3,358
Average age of principal operator	years	58.6	60.4
Total farm production expenses 1/	\$1,000	486,648	659,262
Livestock and poultry			
Cattle and calves inventory	farms	1,142	1,314
	number	151,479	133,957
Beef cows	farms	853	1,173
	number	86,000	(D)
Milk cows	farms	15	12
	number	2,296	(D)
Cattle and calves sold	farms	713	711
	number	70,567	56,159
Hogs and pigs inventory	farms	225	231
	number	14,933	11,441
Hogs and pigs sold	farms	148	131
	number	20,569	12,529
Broilers and other meat-type chickens sold	farms	7	22
	number	(D)	2,639

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**Table 19.01-- FARMS, LAND IN FARMS, AND SELECTED ITEMS:  
2007 AND 2012 -- Con.**

Item	Unit	2007	2012
Selected crops harvested			
Corn for grain	farms	14	15
	acres	3,115	5,198
	bushels	124,878	367,142
Sugarcane for sugar	farms	9	18
	acres	(D)	(D)
	tons	(D)	(D)
Pineapples harvested	farms	42	42
	acres	(D)	(D)
	tons	(D)	(D)
Vegetables harvested	farms	901	960
	acres	6,845	8,880
Potatoes	farms	15	38
	acres	7	26
Sweet potatoes	farms	94	143
	acres	297	882
Land in orchards	farms	4,443	3,488
	acres	36,652	35,832

D Withheld to avoid disclosing data for individual farms.

1/ Data are based on a sample of farms.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *2012 Census of Agriculture, Vol.1, Part 1, Hawaii* (May 2014), "Table 1. Historical Highlights: 2012 and Earlier Census Years", pp. 7-8.

**Table 19.02-- FARMS AND LAND IN FARMS, BY COUNTY: 2012**

Item	Unit	Hawaii	Honolulu	Kauai	Maui
Farms	number	4,282	999	591	1,128
Land in farms	acres	686,856	69,168	144,127	229,166
Average size of farm	acres	160	69	244	203
Value of land and buildings 1/					
Average per farm	dollars	1,280,898	1,396,597	1,853,486	1,998,208
Average per acre	dollars	7,985	20,171	7,600	9,836
Estimated market value of all machinery and equipment 1/					
Average per farm	\$1,000 dollars	157,140	56,851	33,961	60,042
	dollars	36,698	56,908	57,464	53,228
Farms by size					
1 to 9	acres	2,610	743	348	711
10 to 49	acres	1,141	162	156	293
50 to 179	acres	326	51	42	61
180 to 499	acres	106	22	20	24
500 to 999	acres	37	3	7	10
1,000 or more	acres	62	18	18	29
Total cropland	farms	3,398	835	416	902
	acres	72,028	22,200	30,236	49,578
Harvested cropland	farms	3,229	821	391	852
	acres	57,807	(D)	6,800	(D)
Irrigated land	farms	1,026	603	266	603
	acres	6,966	10,776	22,523	41,548
Market value of agricultural products sold	\$1,000	247,245	161,488	64,514	188,100
Average per farm	dollars	57,741	161,650	109,160	166,755
Crops, including nursery and greenhouse crops	\$1,000	156,384	145,313	55,696	181,480
Livestock, poultry, and their products	\$1,000	90,860	16,176	8,817	6,620

D Withheld to avoid disclosing data for individual farms.

1/ Data are based on a sample of farms.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *2012 Census of Agriculture, Vol.1, Part 11, Hawaii* (May 2014), "Table 1. County Summary Highlights: 2012", p.208-209.

**Table 19.03-- NUMBER OF FARMS, FARM ACREAGE, AND FARM EMPLOYMENT: 2000 TO 2014**

Year	Number of farms 1/	Farm acreage 2/ (1,000)	Farm employment 3/		
			Self-employed farm operators 4/	Unpaid family members 4/ 5/	Hired workers
2000	5,500	1,440	3,100	1,000	7,800
2001	5,500	1,350	3,300	1,100	7,400
2002	5,500	1,320	3,000	1,100	7,500
2003	5,500	1,300	(NA)	(NA)	7,300
2004	5,500	1,300	(NA)	(NA)	7,300
2005	5,500	1,300	(NA)	(NA)	7,000
2006	5,500	1,160	(NA)	(NA)	7,000
2007	7,500	1,120	(NA)	(NA)	6,500
2008	7,500	1,110	3,300	900	6,200
2009	7,500	1,110	3,500	1,000	6,200
2010	7,500	1,110	3,800	1,000	6,400
2011	7,500	1,110	(6/)	(6/)	7/ 7,100
2012	7,000	1,129	(6/)	(6/)	6,500
2013	7,000	1,129	(6/)	(6/)	6,500
2014	7,000	1,129	(6/)	(6/)	7,000

NA Not available.

1/ Based on farm definition of \$1,000 or more of agricultural sales.

2/ Includes land not in crop and pasture, such as farm house lots, roads, woodlots, etc.

3/ Working 15 or more hours per week.

4/ Total farm workforce, self-employed operators, and unpaid workers estimates were discontinued from July 2002 to April 2007 due to a change in the National labor statistics program.

5/ Unpaid farm workers include family members and others that worked 15 or more hours during the survey week.

6/ Beginning October 2011, data series discontinued.

7/ Annual averages are based on survey data for January, July, and October.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual) <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)> accessed June 17, 2013, and Hawaii Agricultural Statistics Service, records; U.S. Dept. of Agriculture, National Agricultural Statistics Service, *2012 Census of Agriculture, Vol.1, Part 1, Hawaii (May 2014)*, "Table 1. Historical Highlights: 2012 and Earlier Census Years", pp. 7-8; USDA National Agricultural Statistics Service, Reports *Farm Labor*, <[http://usda.mannlib.cornell.edu/usda/current/FarmLabo/FarmLabo-12-05-2013\\_revision.pdf](http://usda.mannlib.cornell.edu/usda/current/FarmLabo/FarmLabo-12-05-2013_revision.pdf)> accessed May 19, 2014, and records.

**Table 19.04-- VALUE OF CROP AND LIVESTOCK SALES: 1985 TO 2014**

[Thousands of dollars]

Year	All crops and livestock	Crops				Livestock
		All crops 1/ 2/	Sugar (unprocessed cane)	Pine-apples (fresh equiv.)	Other crops	
1985	528,649	445,826	222,400	90,530	132,896	82,823
1986	564,717	481,312	233,800	99,720	147,792	83,405
1987	557,298	469,565	218,000	99,286	152,279	87,733
1988	573,962	485,293	209,900	107,402	167,991	88,669
1989	585,048	493,261	210,300	98,310	184,651	91,787
1990	595,030	506,586	213,800	106,365	186,421	88,444
1991	551,382	464,139	174,900	107,775	181,464	87,243
1992	520,227	431,958	153,700	102,100	176,158	88,269
1993	506,475	421,593	163,000	79,850	178,743	84,882
1994	503,780	427,150	160,100	78,890	188,160	76,630
1995	493,385	421,089	127,700	87,360	206,029	72,296
1996	495,688	428,671	108,100	95,914	224,657	67,017
1997	488,159	420,360	85,500	91,721	243,139	67,799
1998	493,342	420,634	87,300	92,776	240,558	72,708
1999	512,992	443,111	86,800	101,448	254,863	69,881
2000	499,771	431,482	62,200	101,530	267,752	68,289
2001	502,178	437,438	57,800	96,337	283,301	64,740
2002	514,338	453,400	64,300	100,616	288,484	60,938
2003	520,473	461,680	64,400	101,470	295,810	58,793
2004	523,957	459,702	61,500	83,104	315,098	64,255
2005	554,387	493,991	58,900	79,288	355,803	60,396
2006	558,333	499,684	50,200	73,652	375,832	58,649
2007	552,889	498,338	47,600	(D)	450,738	54,551
2008	570,920	522,139	44,200	(D)	477,939	48,781
2009	609,520	553,862	44,200	(D)	509,662	55,658
2010	644,620	583,680	69,800	(D)	513,880	60,940
2011	679,504	602,881	78,100	(D)	524,781	76,623
2012	590,578	527,554	73,322	(D)	454,222	63,024
2013	583,038	521,182	77,740	(D)	443,442	61,856
2014	552,822	474,707	54,349	(D)	420,358	78,115

D Data not shown separately to avoid disclosure of individual operations but combined and included in total crop value.

1/ Sum of individual commodities may not add to total. Forage crops' and forest products' value combined and included in total crop value.

2/ Since 2007 pineapples included.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual)

<[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)> accessed June 17, 2013, and records.

**Table 19.05-- NUMBER OF FARMS, FARM ACREAGE, AND FARM EMPLOYMENT, BY COUNTY: 1993 TO 2011**

County or island and year	Number of farms 1/	Farm acreage 2/ (1,000)	Farm employment 3/		
			Self-employed farm operators 4/	Unpaid family members 4/ 5/	Hired workers
State total					
1993	5,200	1,560	2,800	1,100	8,700
1994	5,300	1,530	2,700	1,200	8,100
1995	5,300	1,470	2,700	1,000	7,300
1996	5,400	1,440	2,700	1,000	7,400
1997	5,500	1,440	2,700	1,200	7,000
1998	5,500	1,440	2,700	1,200	7,400
1999	5,500	1,440	3,000	1,200	7,600
2000	5,500	1,440	3,100	1,000	7,800
2001	5,500	1,350	3,300	1,100	7,400
2002	5,500	1,320	3,000	1,100	7,500
2003	5,500	1,300	(NA)	(NA)	7,300
2004	5,500	1,300	(NA)	(NA)	7,300
2005	5,500	1,300	(NA)	(NA)	7,000
2006	5,500	1,300	(NA)	(NA)	7,000
2007	7,500	1,120	(NA)	(NA)	6,500
2008	7,500	1,110	3,300	900	6,200
2009	7,500	1,110	3,500	1,000	6,200
2010	7,500	1,110	3,800	1,000	6,400
2011	7,500	1,110	(6/)	(6/)	7/ 7,100
Hawaii					
1993	3,000	920	1,800	650	3,300
1994	3,100	920	1,700	650	3,000
1995	3,150	890	1,750	550	2,550
1996	2,700	929	1,800	600	2,600
1997	3,300	870	1,800	700	2,450
1998	3,300	870	1,750	650	2,550
1999	3,300	870	1,850	600	2,400
2000	3,300	870	1,800	550	2,700
2001	3,250	840	1,950	550	2,650
2002	3,250	830	1,700	600	2,450
2003	3,250	820	(NA)	(NA)	2,750
2004	3,250	820	(NA)	(NA)	2,700
2005	3,250	820	(NA)	(NA)	2,500
2006	3,250	820	(NA)	(NA)	2,650
2007	4,650	680	(NA)	(NA)	2,500
2008	4,650	670	(NA)	(NA)	2,350
2009	(8/)	(8/)	(NA)	(NA)	(8/)
2010	(8/)	(8/)	(NA)	(NA)	(8/)
2011	(8/)	(8/)	(NA)	(NA)	(8/)

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**Table 19.05-- NUMBER OF FARMS, FARM ACREAGE, AND FARM EMPLOYMENT, BY COUNTY: 1993 TO 2011 -- Con.**

County or island and year	Number of farms 1/	Farm acreage 2/ (1,000)	Farm employment 3/		
			Self-employed farm operators 4/	Unpaid family members 4/ 5/	Hired workers
<b>Honolulu</b>					
1993	900	90	550	300	2,300
1994	900	90	500	350	2,050
1995	900	85	500	250	1,900
1996	900	92	450	200	2,000
1997	900	80	500	300	1,900
1998	900	80	450	250	2,100
1999	900	80	500	300	2,100
2000	900	80	500	200	2,200
2001	850	70	550	250	2,300
2002	800	70	550	250	2,100
2003	800	70	(NA)	(NA)	2,150
2004	800	70	(NA)	(NA)	2,200
2005	800	70	(NA)	(NA)	2,050
2006	800	70	(NA)	(NA)	1,950
2007	950	60	(NA)	(NA)	1,650
2008	950	60	(NA)	(NA)	1,600
2009	(8/)	(8/)	(NA)	(NA)	(8/)
2010	(8/)	(8/)	(NA)	(NA)	(8/)
2011	(8/)	(8/)	(NA)	(NA)	(8/)
<b>Kauai</b>					
1993	450	200	200	100	1,050
1994	450	200	200	50	1,050
1995	450	200	200	150	1,000
1996	400	214	200	100	1,000
1997	500	200	200	100	850
1998	500	200	200	100	800
1999	500	200	250	100	900
2000	500	200	300	50	950
2001	550	170	350	150	650
2002	600	160	250	100	750
2003	600	150	(NA)	(NA)	750
2004	600	150	(NA)	(NA)	650
2005	600	150	(NA)	(NA)	700
2006	600	150	(NA)	(NA)	700
2007	750	150	(NA)	(NA)	650
2008	750	150	(NA)	(NA)	550
2009	(8/)	(8/)	(NA)	(NA)	(8/)
2010	(8/)	(8/)	(NA)	(NA)	(8/)
2011	(8/)	(8/)	(NA)	(NA)	(8/)

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**Table 19.05-- NUMBER OF FARMS, FARM ACREAGE, AND FARM EMPLOYMENT, BY COUNTY: 1993 TO 2011 -- Con.**

County or island and year	Number of farms 1/	Farm acreage 2/ (1,000)	Farm employment 3/		
			Self-employed farm operators 4/	Unpaid family members 4/ 5/	Hired workers
Maui					
1993	850	350	300	100	2,050
1994	850	320	250	100	2,000
1995	800	295	300	100	1,850
1996	600	355	300	150	1,850
1997	800	290	300	100	1,850
1998	800	290	350	150	1,950
1999	800	290	450	200	2,200
2000	800	290	500	150	2,000
2001	850	270	500	150	1,800
2002	850	260	500	150	2,250
2003	850	260	(NA)	(NA)	1,650
2004	850	260	(NA)	(NA)	1,800
2005	850	260	(NA)	(NA)	1,700
2006	850	260	(NA)	(NA)	1,750
2007	1,150	230	(NA)	(NA)	1,700
2008	1,150	230	(NA)	(NA)	1,700
2009	(8/)	(8/)	(NA)	(NA)	(8/)
2010	(8/)	(8/)	(NA)	(NA)	(8/)
2011	(8/)	(8/)	(NA)	(NA)	(8/)

NA Not available.

1/ Based on farm definition of \$1,000 or more of agricultural sales.

2/ Includes land not in crops and pasture, such as farm house lots, roads, woodlots, etc.

3/ Data not comparable among years shown due to changes in survey periods; sum of county estimates may not add due to rounding.

4/ Total farm workforce, self-employed operators, and unpaid workers estimates were discontinued from July 2002 to April 2007 due to a change in the National labor statistics program.

5/ Unpaid farm workers include family members and others that worked 15 or more hours during the survey week.

6/ Beginning October 2011, data series discontinued.

7/ Annual averages are based on survey data for January, July, and October.

8/ County estimates not published due to staff reduction-in-force but combined and included in the State total.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual)  
<[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)>  
accessed June 19, 2013, and Hawaii Agricultural Statistics Service, records.

**Table 19.06-- VALUE OF CROP AND LIVESTOCK SALES, BY COUNTY:  
1994 TO 2011**

[Thousands of dollars]

County or island and year	All crops and livestock	Crops				Livestock
		All crops	Sugar (unpro- cessed cane)	Pine- apples 1/ (fresh equiv.)	Other crops 1/	
State total						
1994	503,780	427,150	160,100	78,890	188,160	76,630
1995	493,385	421,089	127,700	87,360	206,029	72,296
1996	488,303	422,568	108,100	95,914	218,554	65,735
1997	486,460	418,661	85,500	91,721	241,440	67,799
1998	493,442	420,734	87,400	92,776	240,558	72,708
1999	512,992	443,111	86,800	101,448	254,863	69,881
2000	499,730	431,482	62,200	101,530	267,752	68,248
2001	502,181	437,438	57,800	96,337	283,301	64,743
2002	514,338	453,400	64,300	100,616	288,484	60,938
2003	520,473	461,680	64,400	101,470	295,810	58,793
2004	523,957	459,702	61,500	83,104	315,098	64,255
2005	554,387	493,991	58,900	79,288	355,803	60,396
2006	558,333	499,684	50,200	73,652	375,832	58,649
2007	552,889	2/ 498,338	47,600	(D)	450,738	54,551
2008	570,920	2/ 522,139	44,200	(D)	477,939	48,781
2009	609,520	2/ 553,862	44,200	(D)	509,662	55,658
2010	644,620	2/ 583,680	69,800	(D)	513,880	60,940
2011	679,504	2/ 602,881	78,100	(D)	524,781	76,623
Hawaii						
1994	161,475	140,770	35,800	(D)	104,970	20,705
1995	146,427	128,564	12,200	(D)	116,364	17,863
1996	141,910	125,915	1,700	(D)	124,215	15,995
1997	149,965	130,887	-	(D)	130,887	19,078
1998	142,522	121,676	-	(D)	121,676	20,846
1999	144,470	121,939	-	(D)	121,939	22,531
2000	154,240	128,161	-	(D)	128,161	26,079
2001	160,258	134,380	-	(D)	134,380	25,878
2002	155,651	128,426	-	(D)	128,426	27,225
2003	159,592	132,331	-	(D)	132,331	27,261
2004	174,388	143,972	-	(D)	143,972	30,416
2005	(D)	164,772	-	(D)	(D)	(D)
2006	183,177	152,302	-	(D)	(D)	30,875
2007	173,572	140,895	-	(D)	(D)	32,677
2008	165,525	137,086	-	(D)	(D)	28,439
2009	(NA)	(3/)	-	(D)	(D)	(3/)
2010	(NA)	(3/)	-	(D)	(D)	(3/)
2011	(NA)	(3/)	-	(D)	(D)	(3/)

Continued on next page.

**Table 19.06-- VALUE OF CROP AND LIVESTOCK SALES, BY COUNTY:  
1994 TO 2011 -- Con.**

[Thousands of dollars]

County or island and year	All crops and livestock	Crops				Livestock
		All crops	Sugar (unpro- cessed cane)	Pine- apples 1/ (fresh equiv.)	Other crops 1/	
Honolulu						
1994	160,678	119,958	30,600	53,690	35,668	40,720
1995	162,578	123,074	21,000	62,585	39,489	39,504
1996	156,582	121,143	10,400	68,770	41,973	35,439
1997	142,256	107,347	-	63,426	43,921	34,909
1998	160,819	124,630	-	64,363	60,267	36,189
1999	179,324	142,407	-	73,123	69,284	36,917
2000	177,704	145,784	-	72,085	73,699	31,920
2001	177,462	146,504	-	69,222	77,282	30,958
2002	179,778	153,725	-	70,992	82,733	26,053
2003	178,852	154,228	-	71,029	83,199	24,624
2004	163,974	138,878	-	54,704	84,174	25,096
2005	(D)	133,918	-	(D)	(D)	(D)
2006	(D)	146,013	-	(D)	(D)	(D)
2007	(D)	140,811	-	(D)	(D)	(D)
2008	(D)	166,679	-	(D)	(D)	(D)
2009	(NA)	(3/)	-	(D)	(D)	(3/)
2010	(NA)	(3/)	-	(D)	(D)	(3/)
2011	(NA)	(3/)	-	(D)	(D)	(3/)
Kauai						
1994	54,438	49,975	35,200	(D)	14,775	4,463
1995	59,631	55,387	35,100	(D)	20,287	4,244
1996	65,988	61,814	38,800	(D)	23,014	4,174
1997	63,425	59,425	31,600	(D)	27,825	4,000
1998	54,728	49,612	28,700	(D)	20,912	5,116
1999	57,933	53,390	26,600	(D)	26,790	4,543
2000	46,739	42,886	18,500	(D)	24,386	3,853
2001	40,790	38,292	12,900	(D)	25,392	2,498
2002	(D)	40,854	13,000	(D)	27,854	(D)
2003	(D)	47,077	13,500	(D)	33,577	(D)
2004	(D)	47,652	15,300	(D)	32,352	(D)
2005	(D)	49,318	14,700	(D)	(D)	(D)
2006	(D)	60,352	9,500	(D)	(D)	(D)
2007	(D)	65,989	9,800	(D)	(D)	(D)
2008	(D)	74,646	9,700	(D)	(D)	(D)
2009	(NA)	(3/)	14,200	(D)	(D)	(3/)
2010	(NA)	(3/)	-	(D)	(D)	(3/)
2011	(NA)	(3/)	-	(D)	(D)	(3/)

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**Table 19.06-- VALUE OF CROP AND LIVESTOCK SALES, BY COUNTY:  
1994 TO 2011 -- Con.**

[Thousands of dollars]

County or island and year	All crops and livestock	Crops				Livestock
		All crops	Sugar (unpro- cessed cane)	Pine- apples 1/ (fresh equiv.)	Other crops 1/	
Maui						
1994	127,189	116,447	58,500	25,150	32,797	10,742
1995	124,748	114,064	59,400	24,775	29,889	10,684
1996	123,823	113,696	57,200	27,144	29,352	10,127
1997	126,266	116,453	53,900	28,295	34,258	9,813
1998	135,373	124,816	58,700	28,413	37,703	10,557
1999	131,265	125,375	60,200	28,325	36,850	5,890
2000	121,047	114,651	43,700	29,445	41,506	6,396
2001	123,671	118,262	44,900	27,115	46,247	5,409
2002	(D)	130,395	51,300	29,624	49,471	(D)
2003	(D)	128,043	50,900	30,441	46,702	(D)
2004	(D)	129,200	46,200	28,400	54,600	(D)
2005	(D)	145,983	44,200	(D)	(D)	(D)
2006	(D)	141,017	40,700	(D)	(D)	(D)
2007	(D)	150,643	37,800	(D)	(D)	(D)
2008	(D)	143,728	34,500	(D)	(D)	(D)
2009	(NA)	(3/)	30,000	(D)	(D)	(3/)
2010	(NA)	(3/)	69,800	(D)	(D)	(3/)
2011	(NA)	(3/)	78,100	(D)	(D)	(3/)

D Data not shown to avoid disclosure of individual operations but included in State total.

NA Not available.

1/ County data may fail to add exactly to State total.

2/ Includes an undisclosed value of pineapple.

3/ County estimates not published due to staff reduction-in-force but combined and included in the State total.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual)

and <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)>  
accessed June 17, 2013.

**Table 19.07-- ACREAGE IN CROP, NUMBER OF CROP FARMS, AND VALUE OF CROP SALES: 2011 TO 2014**

Subject	2011	2012	2013	2014
Acreage in crop (1,000 acres)				
Sugarcane	34.3	35.3	35.6	35.4
Pineapples (land used for pineapple)	(D)	(D)	(D)	(D)
Vegetables and melons (harvested acreage)	2.7	2.5	3.6	3.4
Fruits, excluding pineapples	3.9	(NA)	3.7	4.0
Coffee	1/ 7.7	7.9	8.2	7.8
Macadamia nuts	17.0	15.0	16.0	16.0
All other crops	19.2	17.9	18.0	18.1
Number of crop farms				
Sugar	1	(D)	(D)	(D)
Pineapples	30	(D)	(D)	(D)
Vegetables and melons 2/	540	(D)	(D)	(D)
Fruits (excluding pineapples)	1,600	(D)	(D)	(D)
Coffee	830	(D)	(D)	(D)
Macadamia nuts	570	(D)	(D)	(D)
Taro	115	(D)	(D)	(D)
Flowers and nursery products	970	(D)	(D)	(D)
Value of crop sales (\$1,000)				
Sugar (unprocessed cane)	78,100	73,322	77,740	54,349
Pineapples (fresh equivalent)	(D)	(D)	(D)	(D)
Vegetables, ginger root, herbs, and melons 3/	28,822	34,152	43,491	39,790
Fruits (excluding pineapples)	21,915	(NA)	22,380	24,972
Coffee (parchment)	31,540	41,300	52,080	54,270
Macadamia nuts (in shell)	38,200	35,200	35,670	40,020
Taro	2,747	(D)	(D)	(D)
Seed crops	242,970	241,615	184,235	158,800
Flowers and nursery products	69,600	70,300	72,292	67,162

D Data not shown separately to avoid disclosure of individual operations but combined and included with all other crops.

NA Not available.

1/ Revised from previous *Data Book*.

2/ Beginning 2007, ginger root, herbs, noni, kava ('awa) and others combined and included in the Total (non-duplicated).

3/ Includes noni, kava ('awa), and others. Beginning 2007, non-published commodities not included to avoid disclosure of individual operations but combined and included in total crop value.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual) <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)> accessed June 19, 2013, and records.

**Table 19.08-- ACREAGE IN CROP, NUMBER OF CROP FARMS, AND VALUE OF CROP SALES, BY COUNTY: 2011**

Subject	Hawaii	Honolulu	Kauai	Maui
Acreage in crop (1,000 acres)				
Sugarcane	-	-	-	34.3
Pineapples (land used for pineapple)	(D)	(D)	(D)	(D)
Vegetables and melons (harvested acreage)	(1/)	(1/)	(1/)	(1/)
Fruits, excluding pineapples	(1/)	(1/)	(1/)	(1/)
Coffee	(D)	(D)	(D)	(D)
Macadamia nuts	(D)	(D)	(D)	(D)
All other crops	(1/)	(1/)	(1/)	(1/)
Number of crop farms				
Sugar	-	-	-	1
Pineapples	(1/)	(1/)	(1/)	(1/)
Vegetables and melons	(1/)	(1/)	(1/)	(1/)
Fruits (excluding pineapples)	(1/)	(1/)	(1/)	(1/)
Coffee	(D)	(D)	(D)	(D)
Macadamia nuts	(1/)	(1/)	(1/)	(1/)
Taro	(1/)	(1/)	(1/)	(1/)
Flowers and nursery products	(1/)	(1/)	(1/)	(1/)
Value of crop sales (\$1,000)				
Sugar (unprocessed cane)	-	-	-	78,100
Pineapples (fresh equivalent)	(D)	(D)	(D)	(D)
Vegetables, ginger root, herbs and melons 2/	(1/)	(1/)	(1/)	(1/)
Fruits (excluding pineapples)	(1/)	(1/)	(1/)	(1/)
Coffee (parchment)	(D)	(D)	(D)	(D)
Macadamia nuts (in shell)	(1/)	(1/)	(1/)	(1/)
Taro	(1/)	(1/)	(1/)	(1/)
Seed crops	(1/)	(1/)	(1/)	(1/)
Flowers and nursery products	(1/)	(1/)	(1/)	(1/)

D Withheld to avoid disclosure of individual operations.

1/ County estimates not published due to staff reduction-in-force but combined and included in the State total.

2/ Includes noni, kava (ʻawa), and others.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual)

<[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)>  
accessed June 19, 2013.

**Table 19.09-- SPECIALTY CROPS, FRUITS, AND VEGETABLES: 2014**

[Data shown for crops with sales in excess of \$1,000,000]

<b>Crop</b>	<b>Acreage harvested</b>	<b>Yield per acre (1,000 lb.)</b>	<b>Production (1,000 lb.)</b>	<b>Farm price (cents per lb.)</b>	<b>Value of sales (\$1,000)</b>
Specialty crops					
Coffee (2014-15)	69,000	0.9	7,000	898.0	62,860
Macadamia nuts (2014-15)	16,000	(D)	46,000	87.0	40,020
Seed crops (2013-14)	4,840	(X)	7,970	(X)	158,800
Fruits					
Bananas	900	16.0	14,400	82.0	11,808
Papayas	1,500	15.7	23,500	48.0	11,285
Vegetables					
Cabbage, chinese	140	20.7	2,900	52.0	1,500
Cabbage, head	450	14.8	6,670	49.0	3,240
Cucumbers	280	20.6	5,770	74.5	4,300
Kale	60	10.5	630	165.1	1,040
Lettuce, head	90	13.9	1,250	215.0	2,700
Lettuce, leaf	130	8.7	1,130	256.6	2,900
Onions, green	80	12.3	980	153.1	1,500
Romaine	130	8.8	1,150	174.0	2,000
Snap beans	140	3.2	450	251.1	1,130
Watercress	40	19.0	760	175.0	1,330

D Withheld to avoid disclosure of individual operations.

X Not applicable.

Source: USDA National Agricultural Statistics Service,  
 <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/)> accessed May 6, 2016.

**Table 19.10-- SUGARCANE ACREAGE, BY TYPE OF IRRIGATION:  
1993 TO 2015**

Year	Total cane land	Irrigated cane land		Unirrigated cane land
		Drip	Furrow or overhead	
1993	121,322	74,557	11,595	35,170
1994	98,413	68,547	10,753	19,113
1995	81,957	62,462	8,416	11,079
1996	68,816	56,147	7,511	5,158
1997	67,820	55,585	7,115	5,120
1998	67,585	55,828	6,620	5,137
1999	60,758	51,234	4,602	4,922
2000	43,821	43,821	-	-
2001	50,410	50,410	-	-
2002	47,476	47,476	-	-
2003	47,733	47,733	-	-
2004	43,465	43,465	-	-
2005	40,145	40,145	-	-
2006	42,080	42,080	-	-
2007	41,762	41,762	-	-
2008	39,663	39,663	-	-
2009	39,812	39,812	-	-
2010	34,693	34,693	-	-
2011	35,532	35,532	-	-
2012	36,746	36,746	-	-
2013	35,556	35,556	-	-
2014	35,556	35,556	-	-
2015	35,556	35,556	-	-

Source: Hawaii Agriculture Research Center; Hawaiian Commercial & Sugar Company, records.

**Table 19.11-- LIVESTOCK INVENTORY, 1987 TO 2015**

[In thousands]

Year	All cattle and calves 1/	Milk cows 1/	Hogs and pigs 2/	Chickens (excluding broilers) 2/	Bee colonies
1987	203	12.0	47.0	1,212	9
1988	212	12.0	43.0	1,217	9
1989	205	11.0	39.0	1,216	9
1990	215	11.0	36.0	1,183	10
1991	200	10.0	34.0	1,213	10
1992	178	11.0	35.0	1,109	9
1993	165	11.0	33.0	1,012	9
1994	178	11.0	35.0	981	9
1995	174	10.0	34.0	933	8
1996	172	10.0	28.0	876	8
1997	180	9.0	29.0	863	9
1998	173	9.0	29.0	747	8
1999	164	9.0	28.0	721	8
2000	150	7.0	26.0	722	7
2001	152	7.0	27.0	659	8
2002	151	7.0	24.0	625	7
2003	156	6.0	23.0	600	7
2004	155	5.7	22.0	598	8
2005	161	4.6	19.0	547	9
2006	158	3.8	16.0	470	10
2007	152	2.3	15.0	398	10
2008	150	1.6	13.0	373	10
2009	151	1.8	13.0	379	10
2010	141	2.0	12.5	364	11
2011	140	1.9	11.5	(D)	3/ 9
2012	140	1.9	11.5	(D)	10
2013	135	2.2	11.5	(D)	13
2014	133	2.2	9.0	(D)	15
2015	133	2.2	9.0	(D)	14

D Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

1/ As of January 1 of the following year.

2/ As of December 1.

3/ Revised from previous *Data Book*.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture* (annual); and <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)> accessed June 19, 2013, and records.

**Table 19.12-- NUMBER OF LIVESTOCK OPERATIONS AND VALUE OF LIVESTOCK SALES: 2011 TO 2015**

Subject	2011	2012	2013	2014	2015
Number of livestock operations, Dec. 31					
Cattle 1/	1,000	(D)	(D)	(D)	(D)
Hogs	230	(D)	(D)	(D)	(D)
Milk	15	(D)	(D)	(D)	(D)
Eggs	(D)	(D)	(D)	(D)	(D)
Honey	35	(D)	(D)	(D)	(D)
Value of livestock sales (\$1,000)					
Cattle 2/	46,369	51,056	50,771	61,444	59,826
Hogs 2/	2,624	2,432	2,191	4,972	2,792
Milk	9,547	9,644	10,079	10,514	9,918
Eggs	(D)	(D)	(D)	(D)	(D)
Honey	3/ 2,431	3,113	2,126	3,195	2,785

D Data not shown separately to avoid disclosure of individual operations.

1/ Includes beef, dairy, and dairy replacement operations.

2/ Excludes interfarm sales; includes out-of-state sales of slaughter cattle and feeder calves.

3/ Revised from previous *Data Book*.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (2011) and <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)> accessed June 17, 2013, and records.

**Table 19.13-- NUMBER OF LIVESTOCK OPERATIONS AND VALUE OF LIVESTOCK SALES, BY COUNTY: 2010 AND 2011**

Subject	Hawaii	Honolulu	Kauai	Maui
2010				
Number of livestock operations, Dec. 31				
Cattle 1/	(2/)	(2/)	(2/)	(2/)
Hogs	(2/)	(2/)	(2/)	(2/)
Milk	(2/)	(2/)	(2/)	(2/)
Eggs	(2/)	(2/)	(2/)	(2/)
Honey	(2/)	(2/)	(2/)	(2/)
Value of livestock sales (\$1,000)				
Cattle 3/	(2/)	(2/)	(2/)	(2/)
Hogs 3/	(2/)	(2/)	(2/)	(2/)
Milk	(2/)	(2/)	(2/)	(2/)
Eggs	(2/)	(2/)	(2/)	(2/)
2011				
Number of livestock operations, Dec. 31				
Cattle 1/	(2/)	(2/)	(2/)	(2/)
Hogs	(2/)	(2/)	(2/)	(2/)
Milk	(2/)	(2/)	(2/)	(2/)
Eggs	(2/)	(2/)	(2/)	(2/)
Honey	(2/)	(2/)	(2/)	(2/)
Value of livestock sales (\$1,000)				
Cattle 3/	(2/)	(2/)	(2/)	(2/)
Hogs 3/	(2/)	(2/)	(2/)	(2/)
Milk	(2/)	(2/)	(2/)	(2/)
Eggs	(2/)	(2/)	(2/)	(2/)

1/ Includes beef, dairy, and dairy replacement operations.

2/ County estimates not published due to staff reduction-in-force but combined and included in the State total.

3/ Excludes interfarm sales; includes out-of-state sales of slaughter cattle and feeder calves.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual) and <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)> accessed June 19, 2013.

**Table 19.14-- FLORICULTURE AND NURSERY PRODUCTS: 1998 TO 2014**

Year	Number of farms	Growing area					Whole-sale value (\$1,000)
		Total (acres) 1/	Green-house (1,000 sq. ft.) 2/	Artificial shade structure (1,000 sq. ft.)	Natural shade area (acres)	Open field (acres)	
1998	745	2,679	2,810	24,200	9	2,050	73,207
1999	765	2,712	2,910	25,695	15	2,040	75,725
2000	735	2,719	3,235	25,180	7	2,060	82,684
2001	790	3,049	3,175	26,660	9	2,355	88,597
2002	870	3,648	3,030	30,415	10	2,870	95,715
2003	865	3,890	2,540	27,465	16	3,185	95,601
2004	920	3,830	2,620	26,560	-	3,160	95,178
2005	955	3,988	2,095	27,015	-	3,320	100,962
2006	930	4,064	2,190	25,410	(NA)	3,430	98,725
2007	1,060	4,376	2,020	25,015	(NA)	3,755	108,710
2008	1,025	3,170	2,120	23,570	(NA)	2,580	94,662
2009	1,010	2,780	1,930	24,615	(NA)	2,170	76,814
2010	970	2,650	1,875	20,940	(NA)	2,120	71,100
2011	970	2,695	1,770	19,990	(NA)	2,195	69,600
2012 3/	(D)	2,987	1,748	19,987	(NA)	2,488	70,300
2013	(D)	2,615	1,419	19,873	(NA)	2,126	72,292
2014	(D)	2,540	1,493	20,868	(NA)	2,020	67,162

NA Not available.

1/ Details may not sum to total due to rounding and categories not shown separately.

2/ Glass or glass substitute structure.

3/ Revised from previous *Data Book*.

Source: USDA, National Agricultural Statistics Service, Hawaii Field Office, *Hawaii Flowers & Nursery Products, Annual Summary*, (July 15, 2013)

<[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Flowers\\_and\\_Nursery\\_Products/flower.pdf](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Flowers_and_Nursery_Products/flower.pdf)> accessed February 28, 2014, and records.

**Table 19.15-- FLORICULTURE AND NURSERY PRODUCTS, BY  
COMMODITY: 2014**

[Shown for commodities with value of sales over \$500,000 and growers with total sales of  
\$10,000 or more]

Commodity	Number of farms having sales 1/	Number sold		Value of sales (\$1,000)
		Unit	Number	
Selected cut flowers				
Anthuriums	40	1,000 dozens	278	2,438
Proteas	25	1,000 stems	876	841
Orchids				
Sprays, Dendrobiums	32	1,000 dozens	200	1,632
Potted, Dendrobiums	57	1,000 pots	521	3,017
Potted, Phalaenopsis	23	1,000 pots	170	1,315
Foliage				
Potted, dracaena	24	(X)	(NA)	(D)
Potted, palms	25	(X)	(NA)	4,710
Potted flowering plants				
Anthuriums	14	1,000 pots	93	671
Poinsettias	17	1,000 pots	217	1,132
Plant rentals	43	(X)	(NA)	4,162
Landscape plants 2/	107	(X)	(X)	18,396

X Not applicable.

NA Not available.

1/ Number of farms having sales during that year; "Total" is unduplicated count.

2/ Includes broadleaf and coniferous evergreens, deciduous and flower trees, palms, and citrus, fruit and nut trees, and sod. Does not include palms or potted foliage for indoor or patio use, bedding and garden plants, propagative floriculture material, and items which are included in published categories.

Source: USDA, National Agricultural Statistics Service, Hawaii Field Office, and records.

**Table 19.16-- OUT-OF-STATE SALES OF FLORICULTURE AND NURSERY PRODUCTS: 2008 TO 2012**

[Thousand of dollars. Based on F.O.B. island value. Includes both wholesale and retail sales. Does not include sales of cut flowers, leis, etc., purchased within the State and hand carried out]

<b>Type</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Total sales	43,230	35,570	30,370	29,340	29,670
Anthuriums, cut	5,800	4,720	4,500	4,200	4,200
Dendrobiums, sprays	3,100	2,500	2,400	2,400	2,500
Foliage, potted	9,400	7,700	6,500	7,000	7,900
Heliconias	1,000	900	900	800	700
Dendrobiums, potted	1,900	1,800	1,400	1,100	1,000
Proteas	1,500	1,500	1,400	1,200	1,100
Other flowers, nursery products	20,530	16,450	13,270	12,640	12,270

Source: USDA, National Agricultural Statistics Service, Hawaii Field Office, *Hawaii Flowers & Nursery Products, Annual Summary*. See also  
 <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Flowers\\_and\\_Nursery\\_Products/flower.pdf](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Flowers_and_Nursery_Products/flower.pdf)>  
 accessed February 28, 2014.

**Table 19.17-- AGRICULTURAL LABOR, HIRED WORKERS ON FARMS, BY TYPE OF FARM: 1993 TO 2011**

[Figures are averages based on January, April, July, and October surveys]

Year	Hired workers 1/	Hired workers by type of farm		
		Sugar	Pineapple	Other
1993	8,700	2,500	1,400	4,800
1994	8,100	2,300	1,300	4,500
1995	7,300	1,700	1,200	4,400
1996	7,400	1,400	1,200	4,800
1997	7,000	1,200	1,300	4,500
1998	7,400	1,200	1,200	5,000
1999	7,600	1,200	1,300	5,200
2000	7,800	1,000	1,200	5,600
2001	7,400	800	1,200	5,500
2002	7,500	900	1,300	5,400
2003	7,300	700	1,200	5,300
2004	7,300	700	1,200	5,400
2005	7,000	700	1,100	5,200
2006	7,000	600	1,000	5,400
2007 2/	6,500	(NA)	(NA)	(NA)
2008	6,200	(3/)	(3/)	5,100
2009	6,200	(4/)	(4/)	5,300
2010	6,400	(5/)	(5/)	5,600
2011	6/ 7,100	(7/)	(7/)	6/ 6,250

NA Not available.

1/ Sum of hired workers by type of farm may not add to hired workers total due to rounding.

2/ The January 2007 Farm Labor Survey was not conducted. Therefore, the 2007 annual average for hired workers is based on modeled data for January and survey data for April, July, and October.

3/ 1,100 for Sugarcane and Pineapple. Data combined to avoid disclosure of individual operations.

4/ 900 for Sugarcane and Pineapple. Data combined to avoid disclosure of individual operations.

5/ 800 for Sugarcane and Pineapple. Data combined to avoid disclosure of individual operations.

6/ Annual averages are based on survey data for January, July, and October.

7/ 850 for Sugarcane and Pineapple. Data combined to avoid disclosure of individual operations.

Source: Hawaii Agricultural Statistics Service, *Hawaii Agricultural Labor*, Quarterly, various issues <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Miscellaneous/aglabor.pdf](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Miscellaneous/aglabor.pdf)> and USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual) and <[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)> accessed June 17, 2013.

**Table 19.18-- GENERAL EXCISE TAX BASE FOR PRODUCING:  
1998 TO 2015**

[In thousands of dollars. Data are on a cash basis accounting. "Producing" refers to the raising and production of agricultural products in their natural state, the production of natural resource products, fishing, and aquaculture]

<b>Year 1/</b>	<b>Amount</b>	<b>Year 1/</b>	<b>Amount</b>
1998	478,201	2007	475,827
1999	501,501	2008	448,975
2000	519,272	2009	351,578
2001	499,896	2010	339,035
2002	522,418	2011	399,078
2003	543,561	2012	401,496
2004	550,949	2013	392,735
2005	591,329	2014 2/	336,675
2006	445,679	2015	337,702

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release) see also <<http://files.hawaii.gov/tax/stats/monthly/2015cy-ge.pdf>> accessed April 4, 2016.

**Table 19.19-- AGRICULTURAL CHEMICALS USED, INCLUDING FERTILIZER:  
2007 AND 2012**

<b>Chemicals used</b>	<b>Unit</b>	<b>2007</b>	<b>2012</b>
Any fertilizer, manure, or chemicals used	farms	5,742	4,457
Manure used	farms	705	634
	acres on which used	3,859	5,165
Any fertilizer or chemical expense	farms	6,158	5,101
	\$1,000	47,046	79,577
Commercial fertilizer, lime and soil conditioners used	farms	4,785	3,450
	acres on which used	116,530	109,503
Commercial fertilizer, lime and soil conditioners expenses	farms	5,653	4,428
	\$1,000	29,807	46,584
Chemical expenses	farms	4,207	4,487
	\$1,000	17,238	32,993
Chemicals used to control			
Insects	farms	2,012	2,349
	acres on which used	33,474	30,417
Nematodes	farms	253	379
	acres on which used	6,889	4,089
Diseases in crops and orchards	farms	836	963
	acres on which used	9,716	9,143
Weeds, grass, or brush	farms	3,053	3,299
	acres on which used	98,108	114,713
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate	farms	255	338
	acres on which used	15,677	19,000

Source: U.S. Department of Agriculture, *2012 Census of Agriculture, Hawaii*, (May 2014), p. 34.

**Table 19.20-- AQUACULTURE INDUSTRY OPERATIONS: 1990 TO 2014**

Year	Number of operations, Dec. 31	Acreage, Dec. 31	Production (1,000 lb.)	Value (\$1,000)
1990	53	489	1,452	9,241
1991	71	595	1,207	6,884
1992	83	615	1,272	7,134
1993	90	640	1,296	7,469
1994	105	605	990	9,036
1995	107	635	1,410	13,307
1996	117	695	1,992	15,656
1997	110	(NA)	(NA)	16,600
1998	105	(NA)	2,243	16,620
1999	100	(NA)	2,404	18,102
2000	85	(NA)	2,898	22,170
2001	80	(NA)	(NA)	22,200
2002	70	(NA)	(NA)	25,180
2003	85	(NA)	(NA)	27,650
2004	100	(NA)	(NA)	28,100
2005	70	(NA)	(NA)	28,398
2006	80	(NA)	(NA)	21,257
2007	70	(NA)	(NA)	25,110
2008	70	(NA)	(NA)	34,650
2009	70	(NA)	(NA)	32,330
2010	75	(NA)	(NA)	29,970
2011	70	(NA)	(NA)	39,970
2012	70	(NA)	(NA)	55,740
2013 1/	(NA)	(NA)	(NA)	(NA)
2014	(NA)	(NA)	(NA)	78,241
Census of Aquaculture 2013 2/	45	(NA)	(NA)	58,665

NA Not available.

1/ State aquaculture survey was not conducted.

2/ Data from the Census of Aquaculture but are not comparable.

Source: Hawaii State Department of Land and Natural Resources, Aquaculture Development Program (1970-1997), records and Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture* (annual) and [http://www.nass.usda.gov/hi/stats/t\\_of\\_c.htm](http://www.nass.usda.gov/hi/stats/t_of_c.htm) (1998-2007) and USDA National Agricultural Statistics Service, *Hawaii Annual Statistics Bulletin* (annual) [http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp) accessed June 17, 2013. USDA National Agricultural Statistics Service, *2013 Census of Aquaculture* [https://www.agcensus.usda.gov/Publications/2012/Online\\_Resources/Aquaculture/](https://www.agcensus.usda.gov/Publications/2012/Online_Resources/Aquaculture/) accessed July 7, 2016, and records.

**Table 19.21-- AQUACULTURE OPERATIONS, ACREAGE, PRODUCTION,  
AND VALUE, BY COUNTY: 2010 AND 2011**

<b>Subject</b>	<b>State total</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kauai</b>	<b>Maui</b>
2010					
Number of operations	75	(1/)	(1/)	(1/)	(1/)
Production (1,000 lb.)	(NA)	(1/)	(1/)	(1/)	(1/)
Shellfish	76	(1/)	(1/)	(1/)	(1/)
Finfish	211	(1/)	(1/)	(1/)	(1/)
Value (\$1,000)	29,970	(1/)	(1/)	(1/)	(1/)
Shellfish	575	(1/)	(1/)	(1/)	(1/)
Finfish	1,012	(1/)	(1/)	(1/)	(1/)
Algae	16,725	(1/)	(1/)	(1/)	(1/)
Ornamental	1,837	(1/)	(1/)	(1/)	(1/)
Other 2/	9,821	(1/)	(1/)	(1/)	(1/)
2011					
Number of operations	70	(1/)	(1/)	(1/)	(1/)
Production (1,000 lb.)	(NA)	(1/)	(1/)	(1/)	(1/)
Shellfish	55	(1/)	(1/)	(1/)	(1/)
Finfish	315	(1/)	(1/)	(1/)	(1/)
Value (\$1,000)	39,970	(1/)	(1/)	(1/)	(1/)
Shellfish	413	(1/)	(1/)	(1/)	(1/)
Finfish	1,493	(1/)	(1/)	(1/)	(1/)
Algae	25,230	(1/)	(1/)	(1/)	(1/)
Ornamental	2,514	(1/)	(1/)	(1/)	(1/)
Other 2/	10,320	(1/)	(1/)	(1/)	(1/)

NA Not available.

1/ County estimates not published due to staff reduction-in-force but combined and included in the State total.

2/ Includes seed stock, brood stock, and items not sold by weight which includes number count.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual)  
<[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)>  
accessed June 19, 2013.

**Table 19.22-- FARMS, LAND, AND VALUE OF SALES OF ORGANIC AGRICULTURAL PRODUCTS: 2014**

<b>Subject</b>	<b>Number</b>	<b>Acres</b>	<b>Subject</b>	<b>Farms</b>	<b>Amount (\$1,000)</b>
Organic farms (certified or exempt)	166	3,505	Value of organic agricultural products sold (\$1,000)	166	13,356
Land owned	119	(D)	Farms by value of sales		
Land rented from others	57	2,278	Less than 1,000	21	(D)
Land rented to others	2	(D)	1,000 to 2,499	15	26
			2,500 to 4,999	28	93
Certified organic acres operated	121	3,373	5,000 to 9,999	13	95
Land owned	79	(D)	10,000 to 19,999	18	256
Land rented from others	52	2,259	20,000 to 24,999	14	300
Land rented to others	2	(D)	25,000 to 39,999	12	376
			40,000 to 49,999	2	(D)
Exempt organic acres operated	45	132	50,000 to 99,999	16	1,029
Land owned	40	113	100,000 to 249,999	10	1,240
Land rented from others	5	19	250,000 to 499,999	12	4,462
Land rented to others	-	-	500,000 or more	5	5,389
Transitional land acres operated	9	134	Crops including nursery and greenhouse	162	(D)
Land owned	7	(D)	Livestock and poultry	2	(D)
Land rented from others	2	(D)	Livestock and poultry products	11	(D)
Land rented to others	-	-			
Cropland	9	134			
Pastureland	-	-			
Rangeland	-	-			

D Withheld to avoid disclosing data for individual farms.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, 2012 Census of Agriculture, *Organic Survey 2014* (September 2015), "Table 1. Farms, Land, and Value of Sales of Organic Agricultural Products – Certified and Exempt Organic Farms: 2014", pp. 1-18.

<[https://www.agcensus.usda.gov/Publications/2012/Online\\_Resources/Organics/index.php](https://www.agcensus.usda.gov/Publications/2012/Online_Resources/Organics/index.php)> accessed April 21,2016.

## Section 20

# FORESTRY, FISHERIES, AND MINING

This section presents data on forests and forest reserves, commercial fishing and fish populations, and mining and mineral products.

Important sources of data on these subjects are the *United States Census of Mineral Industries* and *Mineral Industry Surveys*, U.S. Census Bureau, *2012 Economic Census, Geographic Area Series*, Mining, and reports and records of the Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources and Division of Forestry and Wildlife. *Historical Statistics of Hawaii*, Section 14, summarizes the data for earlier periods. Comparable national statistics are reported in the *Statistical Abstract of the United States: 2012*, Sections 18.

**Table**  
**Number   Table Name**

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Narrative

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**Table 20.01-- FOREST AND NATURAL AREA ACREAGE, BY ISLAND:  
JUNE 30, 2015**

Island	Conservation district forest land		Natural areas	
	Forest reserve land 1/	Private forest land 2/	Number of areas	Acres
State total	651,002	328,742	21	123,810
Hawaii	448,101	106,745	8	94,954
Maui	68,220	53,180	5	18,543
Kahoolawe	-	-	-	-
Lanai	-	6,150	-	-
Molokai	11,690	-	2	2,950
Oahu	36,817	88,817	4	2,148
Kauai	86,174	73,850	2	5,215
Niihau	-	-	-	-

1/ State-owned and privately-owned lands under surrender agreement in forest reserve system.

2/ Private forest land within conservation district. The majority of these lands were previously in the forest reserve system.

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, records.

**Table 20.02-- WOODLAND ON FARMS, 2002, 2007 AND 2012, AND BY COUNTY, 2012**

[Acres]

Use	2002	2007	2012				
			State total	Hawaii	Honolulu	Kauai	Maui
Total	117,685	79,041	92,734	57,747	(D)	6,972	(D)
Pastured	41,467	22,570	23,766	10,823	(D)	374	(D)
Not pastured	76,218	56,471	68,968	46,924	(D)	6,598	(D)

D Withheld to avoid disclosing data for individual farms.

Source: U.S. Department of Agriculture, *2007 Census of Agriculture, Hawaii*, (February 2009), p. 240.  
*2012 Census of Agriculture, Hawaii*, (February 2014) p. 217.

**Table 20.03-- FOREST AND BRUSHLAND FIRES, BY CAUSE OF FIRE:  
2013 TO 2015**

Cause of fire	Number of fires			Acres burned		
	2013	2014	2015 1/	2013	2014	2015 1/
State total	6	8	306	782	634	5,594
Lightning	-	1	-	-	2	-
Campfire	3	-	-	3	-	-
Smoking	-	-	-	-	-	-
Debris burning	-	-	1	-	-	20
Arson	-	-	-	-	-	-
Equipment	-	-	-	-	-	-
Railroads	-	-	-	-	-	-
Children	-	1	1	-	550	-
Miscellaneous	3	6	304	779	82	5,574

1/ In 2015, Honolulu Fire Department data was included with the State reporting data.

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, Fire Management Program and records.

**Table 20.04-- COMMERCIAL FISHING: 2003 TO 2015**

[Fiscal year ending June 30. Represents the total sea catches of all licensed commercial fishers. Excludes pond catches, The Aquaculture and Development Program, Department of Agriculture, surveys pond harvest market information]

Year	Number of commercial fishermen	Commercial fish catch		
		Pounds landed	Pounds sold	Value to primary producers (dollars)
2003	3,434	24,054,939	(1/)	(1/)
2004	2,971	22,230,489	(1/)	(1/)
2005	3,248	24,876,316	(1/)	(1/)
2006	3,137	24,636,892	(1/)	(1/)
2007	3,220	26,563,127	(1/)	(1/)
2008	3,196	33,310,542	(1/)	(1/)
2009	3,557	28,065,282	(1/)	(1/)
2010	3,373	29,164,222	(1/)	(1/)
2011	3,691	33,032,579	(1/)	(1/)
2012	3,992	31,786,440	(1/)	(1/)
2013	3,970	33,761,150	(1/)	(1/)
2014	3,930	36,237,755	(1/)	(1/)
2015	3,800	36,828,996	(1/)	(1/)

1/ Due to revisions to the commercial fishing report forms in October 2002, licensed commercial fishers no longer report ex-vessel landing values. The latter information is collected from a fish dealer reporting system. The Division of Aquatic Resources is developing an application to integrate the fishing and fish dealer reporting systems to summarize landings with ex-vessel landing value information. Therefore, only total landings reported by commercial fishers are available at this time.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings for Fiscal Year* (annual) and records.

**Table 20.05-- COMMERCIAL FISH CATCH, BY SPECIES: 2013 TO 2015**

[Fiscal year ending June 30, pounds landed, excludes pond catches. Due to revisions to the commercial fishing report forms in 2002, data may not be comparable to previous years]

Species	2013	2014	2015
Total catch	33,761,150	36,237,755	36,828,996
Tunas	21,584,628	21,109,085	23,166,066
Aku (skipjack)	1,216,613	957,346	615,342
Tombo	1,681,901	528,047	699,106
Bigeye (ahi)	14,574,067	15,746,459	18,361,496
Yellowfin (ahi)	4,098,369	3,865,595	3,442,190
Billfishes	4,351,833	6,347,977	5,173,349
Blue marlin	1,106,797	1,521,208	1,436,469
Shortnose spearfish	401,949	608,121	540,003
Striped marlin	679,744	1,059,078	1,027,346
Swordfish	2,121,898	3,084,936	2,106,059
Miscellaneous pelagic species	6,052,506	7,075,191	6,805,423
Mahimahi	1,739,974	1,743,944	1,878,826
Monchong	959,152	1,320,373	1,369,821
Ono	860,507	1,144,577	1,244,753
Opah	1,824,841	2,240,878	1,803,555
Walu	647,528	598,857	484,327
Deep bottom fishes	423,551	443,697	471,580
Ehu	29,991	31,456	31,660
Hapuupuu	10,517	10,617	9,121
Opakapaka	95,929	160,834	153,969
Uku	138,833	90,814	112,705
Ulaula (onaga)	66,886	75,813	79,777
Akule/opelu	517,012	531,243	595,211
Akule	253,395	249,196	347,265
Opelu	252,269	263,839	207,691
Jacks	43,927	38,633	36,599
Inshore fishes	430,315	380,879	336,022
Sharks	192,359	124,199	113,408
Mako	136,469	104,447	100,619
Lobsters	11,083	10,128	9,224
Crabs	46,190	42,690	29,191
Shells	(NA)	(NA)	(NA)
Shrimps	12,972	48,691	27,305
Seaweeds	25,122	7,261	5,500
Unclassified / miscellaneous	69,652	78,082	60,118

NA Not available.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii--Fiscal Years 2013-2015* and records.

**Table 20.06-- COMMERCIAL SEA LANDINGS, BY ISLAND: 2013 TO 2015**

[Fiscal year ending June 30, pounds landed]

<b>Island</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
State total	33,761,150	36,237,755	36,828,996
Hawaii	3,256,457	3,060,016	3,165,245
Maui	813,774	822,954	893,616
Lanai	6,418	10,031	7,095
Molokai	44,380	44,600	37,727
Oahu	28,668,562	31,471,367	31,983,066
Kauai and Niihau	971,558	828,788	742,247

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, and records.

**Table 20.07-- COMMERCIAL SEA LANDINGS, BY FISHING METHOD:  
2013 TO 2015**

[Fiscal year ending June 30, pounds landed]

<b>Fishing method</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
All methods	33,761,150	36,237,755	36,828,996
Aku pole and line	(1/)	(1/)	(1/)
Longline	25,903,228	28,831,995	30,041,517
Handline	2,928,340	2,243,094	2,109,885
Trolling	3,374,156	3,469,169	3,207,164
Net	434,754	478,450	537,716
Trap	93,608	129,249	87,822
All other methods	1,027,065	1,085,798	844,892

1/ Due to low level of fishermen reporting and to preserve confidentiality, data for these species are pooled under all other methods.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii--Fiscal Years 2013-2015* and records.

**Table 20.08-- MINERAL INDUSTRIES (NAICS 21): 1987 TO 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

Subject	1987	1992	1997	2002	2007	2012
Number of establishments	9	7	7	8	8	7
With 20 employees or more	4	4	2	1	4	1
All employees						
Number (1,000) 1/	0.2	0.2	0.1	0.1	0.2	(2/)
Annual payroll (million dollars)	7.4	9.4	5.6	7.3	9.6	(D)
Production, development, and exploration workers						
Number (1,000) 1/	0.2	0.2	0.1	0.1	0.1	(D)
Annual hours (millions)	0.4	0.4	0.2	0.2	0.3	(D)
Annual wages (million dollars)	5.7	8.1	4.7	5.1	7.9	(D)
Value added (million dollars)	23.5	27.3	22.0	20.7	49.0	(D)
Total cost of supplies (million dollars)	10.4	11.3	(D)	6.6	12.9	(D)
Total value of shipments and receipts for services (million dollars)	31.1	33.7	33.3	25.6	55.4	(D)
Capital expenditures (million dollars)	2.8	4.8	(D)	1.7	6.4	(NA)

D Withheld to avoid disclosing data for individual companies.

1/ For pay period including March 12.

2/ 100 to 249 employees.

Source: U.S. Census Bureau, *1987 Census of Mineral Industries, Geographic Area Series, Pacific States*, MIC87-A-9 (October 1990), Hawaii table 1; *1992 Census of Mineral Industries, Geographic Area Series, Pacific States*, MIC92-A-9 (May 1996), Hawaii table 1; *1997 Economic Census, Mining, Geographic Area Series, Hawaii*, EC97N21A-HI (May 2000), table 1; *2002 Economic Census, Mining, Geographic Area Series, Hawaii*, EC02-21A-HI (April 2005), table 1; 2007 Economic Census, Sector 21: EC0721A2: Mining: Geographic Area Series: Detailed Statistics for the State or Offshore Areas: 2007; 2012 Economic Census, Sector 21: EC1221A2: Mining: Geographic Area Series: Detailed Statistics for the State or Offshore Areas: 2012 <[http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN\\_2012\\_US\\_21A2&prodType=table](http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_21A2&prodType=table)> accessed April 6, 2016.

**Table 20.09-- NONFUEL MINERAL PRODUCTION: 2009 TO 2011**

[Production as measured by mine shipments, sales, or marketable production (including consumption by producers), Data are rounded to no more than three significant digits; may not add to totals shown]

<b>Minerals</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Quantity (1,000 Metric Tons)			
Gemstones	(NA)	(NA)	(NA)
Sand and gravel (construction)	1,180	1,020	962
Stone (crushed)	5,800	4,740	4,490
Value (\$1,000)			
Total	116,000	108,000	101,000
Gemstones	151	151	151
Sand and gravel (construction)	15,000	15,500	15,100
Stone (crushed)	101,000	91,900	86,000

NA Not available.

Source: U.S. Geological Survey, Minerals Information, "2010-2011 Minerals Yearbook, Hawaii [Advance Release]" (April 2015) <<http://minerals.er.usgs.gov/minerals/pubs/state/hi.html>> accessed April 17, 2015.

**Table 20.10--CRUSHED STONE SOLD OR USED: 2009 TO 2011**

[Data are rounded to no more than three significant digits, except in unit value; may not add to totals shown]

Type	2009	2010	2011
Number of quarries	(X)	(X)	(X)
Limestone 1/	-	2	2
Traprock	19	16	16
Volcanic cinder and scoria	3	2	3
Miscellaneous stone	8	5	6
Quantity (1,000 Metric Tons)	5,800	4,740	4,490
Limestone 1/	-	66	23
Traprock	5,050	4,180	3,860
Volcanic cinder and scoria	121	103	365
Miscellaneous stone	623	397	240
Value (\$1,000)	101,000	91,900	86,000
Limestone 1/	-	1,130	442
Traprock	87,600	81,000	77,700
Volcanic cinder and scoria	1,540	1,760	2,990
Miscellaneous stone	11,500	8,080	4,880
Unit value	17.41	19.39	19.18
Limestone 1/	-	17.08	19.33
Traprock	17.35	19.39	20.14
Volcanic cinder and scoria	12.74	17.08	8.19
Miscellaneous stone	18.46	20.36	20.35

X Not applicable.

1/ Includes limestone-dolomite reported with no distinction between the two kinds of stone.

Source: U.S. Geological Survey, Minerals Information, "2010-2011 Minerals Yearbook, Hawaii [Advance Release]" (April 2015) <<http://minerals.er.usgs.gov/minerals/pubs/state/hi.html>> accessed April 17, 2015.

## Section 21

# CONSTRUCTION AND HOUSING

This section presents statistics on construction activity and costs, the size and composition of the housing inventory, occupancy of housing units and office buildings, home sales, and residential financing. Related series are included in Sections 6 (land use) and 14 (prices).

The principal sources for these data are the U.S. Census Bureau, various series compiled by state and county agencies (primarily the Hawaii State Department of Business, Economic Development & Tourism; Hawaii State Department of Commerce and Consumer Affairs; Hawaii State Department of Taxation; the Hawaii Housing Finance and Development Corporation; the Hawaii Public Housing Authority; the Hawaii Bureau of Conveyances; and the four county building departments) and local real estate companies. Persons interested in figures for earlier periods should consult *Historical Statistics of Hawaii*, Section 15. National statistics appear in Section 20 of the *Statistical Abstract of the United States: 2012*.

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

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**Table 21.01-- NUMBER AND VALUE OF BUILDING PERMITS, BY  
COUNTY: 2006 TO 2015**

Year	State total 1/	City and County of Honolulu	Hawaii County	Kauai County 1/	Maui County
Number issued 2/					
2006	24,117	16,019	5,184	510	2,404
2007	21,248	13,954	4,580	518	2,196
2008	21,164	15,001	4,324	232	1,607
2009	18,154	13,794	2,990	240	1,130
2010	18,197	14,254	2,756	171	1,016
2011	21,523	17,712	2,603	132	1,076
2012	35,136	29,142	4,590	235	1,169
2013	32,246	26,568	4,320	158	1,200
2014	24,806	18,541	4,811	187	1,267
2015	27,051	20,146	5,426	199	1,280
Estimated value 2/ (\$1,000)					
2006	3,770,051	1,625,328	926,019	239,294	979,412
2007	3,585,447	1,676,232	912,529	268,915	727,772
2008	2,906,578	1,481,272	704,317	277,149	443,840
2009	1,998,908	1,247,196	309,165	218,111	224,437
2010	1,980,296	1,357,314	360,328	68,047	194,607
2011	1,858,763	1,272,923	282,638	59,520	243,683
2012	2,643,840	1,769,454	427,394	79,998	366,994
2013	2,720,519	1,866,352	443,739	85,413	325,014
2014	3,315,078	2,072,202	697,063	102,195	443,617
2015	3,963,607	2,436,954	689,454	105,707	731,491

1/ Prior to 2002, Kauai County data were obtained from the Kauai County Building Department. Beginning in 2002, Kauai County estimates are the sum of monthly U.S. Census Bureau residential data only and may differ from annual model-based Census Bureau data.

2/ Includes residential, hotel, non-residential and additions and alterations permits. Other types of permits such as for demolitions are not included.

Source: County building departments and U.S. Census Bureau, building permits  
<<http://censtats.census.gov/bldg/bldgprmt.shtml>>.

**Table 21.02-- VALUE OF BUILDING PERMITS, BY TYPE, BY COUNTY:  
2013 TO 2015**

[In thousands of dollars]

<b>Category</b>	<b>State total 1/</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County 1/</b>	<b>Maui County</b>
2013					
Total	2,720,519	1,866,352	443,739	85,413	325,014
Residential	1,024,977	632,922	194,776	85,413	111,866
Hotel	75,070	-	-	(NA)	75,070
Non-residential	221,452	81,776	77,635	(NA)	62,041
Additions and alterations	1,399,021	1,151,654	171,329	(NA)	76,038
2014					
Total	3,315,078	2,072,202	697,063	102,195	443,617
Residential	985,938	375,971	386,390	102,195	121,382
Hotel	169,256	169,000	-	(NA)	256
Non-residential	329,280	85,731	111,902	(NA)	131,646
Additions and alterations	1,830,604	1,441,500	198,771	(NA)	190,333
2015					
Total	3,963,607	2,436,954	689,454	105,707	731,491
Residential	1,651,336	951,917	416,116	105,707	177,596
Hotel	339,640	31,649	-	(NA)	307,990
Non-residential	363,281	190,830	50,045	(NA)	122,405
Additions and alterations	1,609,350	1,262,557	223,293	(NA)	123,500

NA Not available.

1/ Totals do not include hotel, non-residential and additions/alterations data for Kauai County. Only Kauai County residential data was available from the U.S. Census Bureau. Kauai County estimates are the sum of monthly U.S. Census Bureau residential data only and may differ from annual model-based Census Bureau data.

Source: County building departments and U.S. Census Bureau, building permits  
<<http://censtats.census.gov/bldg/bldgprmt.shtml>>.

**Table 21.03-- ACCEPTED VALUE PER HOUSING UNIT,  
BY COUNTY: 2015**

[Not comparable to *Data Books* prior to 2006. In dollars. Excludes building permits for additions, alterations and repair. "Accepted value" is the cost of construction for which building permits are issued]

<b>Type of structure</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>
One-family	423,091	383,052	458,096	531,192	380,141
Two-family	497,552	314,737	1/ 1,178,852	(2/)	251,211
Multi-family	220,751	214,666	3/ 1,841,894	(2/)	294,223

1/ Based on 32 units.

2/ There were no permits issued.

3/ Based on 3 units.

Source: County building departments and U.S. Census Bureau, building permits  
<<http://censtats.census.gov/bldg/bldgprmt.shtml>>.

**Table 21.04-- GENERAL EXCISE TAX BASE FOR CONTRACTING,  
BY TAXATION DISTRICT: 1997 TO 2015**

[Data are on a cash basis accounting. Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to income received in the 12-month period ending November 30. Taxation districts cover the same areas as counties]

<b>Year</b>	<b>State total</b>	<b>Oahu</b>	<b>Maui</b>	<b>Hawaii</b>	<b>Kauai</b>
1997	2,944,426,975	2,550,529,925	161,468,800	165,146,225	67,282,025
1998	3,015,976,700	2,570,586,400	193,365,375	180,875,700	71,149,225
1999	2,991,200,575	2,377,630,700	259,711,650	263,906,725	89,951,500
2000	3,613,485,025	2,800,712,550	326,777,275	367,672,100	118,323,100
2001	3,766,403,750	2,832,649,550	360,568,625	446,027,500	127,158,075
2002	4,274,955,575	3,266,988,350	364,438,350	501,577,600	141,951,275
2003	4,536,323,150	3,406,143,325	425,070,200	550,418,975	154,690,650
2004	4,921,512,300	3,754,257,925	452,890,850	533,308,625	181,054,900
2005	6,023,996,950	4,528,358,950	608,407,100	661,365,400	225,865,500
2006	7,223,333,825	5,405,648,475	728,682,550	789,189,250	299,813,550
2007	8,072,911,800	6,060,562,900	828,132,400	863,832,825	320,383,675
2008	7,987,126,150	6,108,692,775	750,457,450	785,465,450	342,510,475
2009	6,641,660,400	5,266,870,075	574,894,650	533,871,075	266,024,600
2010	5,589,766,225	4,435,203,750	500,098,600	439,744,725	214,719,150
2011	5,837,444,675	4,701,571,600	485,970,550	439,583,975	210,318,550
2012	7,006,133,075	5,727,310,125	584,092,725	474,661,300	220,068,925
2013	7,329,960,150	5,981,165,975	603,158,925	526,519,650	219,115,600
2014	7,024,043,900	5,611,443,525	662,255,275	546,117,525	204,227,575
2015	8,112,237,975	6,477,255,450	747,761,100	662,853,275	224,368,150

Source: Hawaii State Department of Taxation, General Excise and Use Tax Collections (annual calendar year summary) <[http://tax.hawaii.gov/stats/a5\\_3txcolrpt/](http://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed May 26, 2016.

**Table 21.05-- GENERAL CONSTRUCTION STATISTICS FOR  
ESTABLISHMENTS WITH PAYROLL (NAICS 23): 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census]

Measure	Amount
Number of establishments	2,378
Total number of employees	27,541
Construction workers	
Number in 1/	
March	18,389
June	19,524
September	19,785
December	20,000
Average	19,425
Other employees	
Number in 1/	
March	8,292
June	8,078
September	8,024
December	8,072
Average	8,116
Annual payroll (\$1,000)	1,564,321
Total fringe benefits (\$1,000)	511,941
Annual wages (\$1,000)	
Construction workers	1,036,189
Other employees	528,133
Annual hours (1,000)	
Construction workers	34,525
Total selected costs (\$1,000)	4,208,435
Materials, components, and supplies	2,234,407
Construction work subcontracted out to others	1,892,121
Selected power, fuels, and lubricants	81,907
Purchased electricity	13,787
Natural gas and manufactured gas	985
Gasoline and diesel fuel	65,013
On-highway use of gasoline and diesel fuel	46,812
Off-highway use of gasoline and diesel fuel	18,201
All other fuels and lubricants	2,122

Continued on next page.

**Table 21.05-- GENERAL CONSTRUCTION STATISTICS FOR ESTABLISHMENTS WITH PAYROLL (NAICS 23): 2012 -- Con.**

Measure	Amount
Value of business done (\$1,000)	7,938,958
Construction work 2/	7,814,295
Construction work on government owned projects	2,542,142
Federally owned projects	960,585
State & locally owned projects	1,581,557
Construction work on privately owned projects	5,272,153
Other business done	124,663
Value of construction work subcontracted in from others (\$1,000)	1,833,024
Net value of construction work (\$1,000)	5,922,174
Value added (\$1,000)	3,730,523
Total capital expenditures (\$1,000)	77,545
Total retirements of depreciable assets (\$1,000)	39,054
Gross value of depreciable assets (acquisition costs), end-of-year (\$1,000)	1,528,467
Total depreciation during year (\$1,000)	165,929
Total rental payments or lease payments (\$1,000) 3/	107,568
Buildings and other structures	67,012
Machinery and equipment rentals	40,556
Total other expenses (\$1,000)	553,148
Temporary staff and leased employee expenses	22,742
Expensed computer hardware and other equipment	7,585
Expensed purchases of software	1,755
Data processing and other purchased computer services	7,116
Communication services	18,717
Repair and maintenance services of buildings and/or machinery	27,042
Refuse removal (including hazardous waste) services	8,426
Advertising and promotional services	11,250
Purchased professional and technical services	45,728
Taxes and license fees	125,996
All other operating expenses	276,791

1/ Pay period including the 12th of the month.

2/ In the 1987-1997 censuses, the value of construction work was collected to measure actual construction activity done during the year. Studies have shown that respondents were not able to accurately report these data. In 2007 and 2012, receipts, billings, or sales for construction work was collected. This item includes receipts, billings, or sales for construction work done by building contractors, heavy and civil engineering construction contractors, and specialty trade contractors. Included are new construction, additions, alterations or reconstruction, and maintenance and repair construction work.

3/ Includes the total rental costs for renting and/or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes costs for the rental of land. It also excludes costs under agreements that in effect are conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

Source: U.S. Census Bureau, 2012 Economic Census, Construction: Geographic Area Series, Detailed Statistics for the State: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?ts=445347674499>> accessed April 27, 2015.

**Table 21.06-- CHARACTERISTICS OF THE CONSTRUCTION INDUSTRY (NAICS 23): 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census. The Standard Industrial Classification (SIC) system was used in Economic Censuses prior to 1997]

NAICS code	Kind of business	Estab-lish-ments	No. of employees		Annual payroll - all employees (\$1,000)	Annual wages - construction workers (\$1,000)	Value of construction work (\$1,000) 3/
			All 1/	Con-struction workers (avg) 2/			
23	Total	2,378	27,541	19,425	1,564,321	1,036,189	7,814,295
236	Construction of buildings	713	7,523	4,769	450,076	250,635	3,491,956
236115	New single-family housing construction (except for-sale builders)	213	1,259	909	57,684	37,965	362,072
236116	New multifamily housing construction (except for-sale builders)	2/ 17	210	120	13,483	5,610	98,138
236117	New housing for-sale builders	74	479	102	32,239	6,643	609,615
236118	Residential remodelers	208	891	626	34,825	23,426	131,527
236210	Industrial building construction	4	24	19	1,323	943	3,188
236220	Commercial and institutional building construction	197	4,661	2,994	310,522	176,049	2,287,415
237	Heavy and civil engineering construction	105	2,639	1,714	181,249	119,842	828,345
237110	Water and sewer line and related structures construction	29	708	448	49,844	36,325	198,597
237120	Oil and gas pipeline and related structures construction	3	59	(D)	(D)	(D)	7,487
237130	Power and communication line and related structures construction	18	341	300	22,275	19,081	115,813
237210	Land subdivision	2/ 12	98	(D)	(D)	(D)	53,025
237310	Highway, street, & bridge construction	36	1,143	743	87,955	52,784	389,040
237990	Other heavy and civil engineering construction	7	290	131	13,081	(D)	64,384
238	Specialty trade contractors	1,559	17,379	12,942	932,997	665,711	3,493,993
238110	Pour concrete foundation and structure contractors	48	620	511	28,839	21,873	113,955
238120	Structural steel and precast concrete contractors	20	409	277	24,905	16,586	89,000
238130	Framing contractors	31	666	551	37,268	33,526	118,980
238140	Masonry contractors	2/ 39	316	289	10,614	9,178	32,374
238150	Glass and glazing contractors	32	313	180	16,000	8,737	47,973
238160	Roofing contractors	91	991	813	35,761	25,480	155,849
238170	Siding contractors	15	109	84	4,683	3,475	13,498
238190	Other foundation, structure & building exterior contractors	16	61	39	2,916	1,692	10,980
238210	Electrical contractors and other wiring installation contractors	329	3,060	2,373	183,249	138,024	699,276
238220	Plumbing, heating and air-conditioning contractors	302	3,869	2,753	232,173	156,807	983,355
238290	Other building equipment contractors	25	620	312	49,092	27,397	148,859
238310	Drywall and insulation contractors	33	1,170	935	57,970	41,844	153,746
238320	Painting and wall covering contractors	137	1,445	994	64,225	46,848	180,454
238330	Flooring contractors	72	424	321	15,468	10,993	67,983

Continued on next page.

**Table 21.06-- CHARACTERISTICS OF THE CONSTRUCTION  
INDUSTRY (NAICS 23): 2012 -- Con.**

NAICS code	Kind of business	Estab- lish- ments	No. of employees		Annual payroll - all employees (\$1,000)	Annual wages - con- struction workers (\$1,000)	Value of construct- ion work (\$1,000) 3/
			All 1/	Con- struction workers (avg) 2/			
238	Specialty trade contractors (con.)						
238340	Tile and terrazzo contractors	43	301	252	14,792	11,534	42,402
238350	Finish carpentry contractors	154	739	470	32,892	22,165	196,546
238390	Other building finishing contractors	14	302	266	12,026	9,172	41,778
238910	Site preparation contractors	82	1,232	1,009	74,323	56,462	285,234
238990	All other specialty trade contractors	77	732	511	35,801	23,919	111,754

D Withheld to avoid disclosing data of individual companies.

1/ Includes all permanent full-time and part-time nonleased individuals on the payrolls of construction establishments during any part of the pay period which included the 12th of March, June, September, and December. Excluded are subcontractors and their employees, temporary staffing obtained from a staffing service, and proprietors and partners of unincorporated businesses.

2/ Includes all nonleased payroll workers (up through the working supervisory level) directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Supervisory employees above the working foreman level are excluded from this category and are included in the other employees category. The average number of nonleased construction workers is the sum of establishment averages of nonleased construction workers who were on the payroll during the pay periods including the 12th of March, June, September and December.

3/ Receipts, billings, or sales for construction work was collected in 2007 and 2012. This item includes receipts, billings, or sales for construction work done by building contractors, heavy and civil engineering construction contractors, and specialty trade contractors. Included are new construction, additions, alterations or reconstruction, and maintenance and repair construction work.

Source: U.S. Census Bureau, 2012 Economic Census, Construction: Geographic Area Series, Detailed Statistics for the State: 2012 <[http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?\\_ts=445486742893](http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml?_ts=445486742893)> accessed April 27, 2015.

**Table 21.07-- PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION  
AUTHORIZED BY PERMITS, BY COUNTY: 2010 TO 2015**

Category and year authorized	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui
<b>New single family units</b>						
2010	1,874	831	1,043	660	171	212
2011	1,605	694	911	581	127	203
2012	(NA)	950	(NA)	456	(NA)	251
2013	(NA)	1/ 1,070	(NA)	735	(NA)	329
2014	(NA)	1/ 809	(NA)	(NA)	178	331
2015	2,215	892	1,323	784	201	338
<b>New duplex units</b>						
2010	90	80	10	2	-	8
2011	90	86	4	2	-	2
2012	(NA)	85	(NA)	4	(NA)	6
2013	(NA)	1/ 104	(NA)	2	(NA)	4
2014	(NA)	1/ 110	(NA)	(NA)	10	14
2015	162	124	38	28	-	10
<b>New apartment units</b>						
2010	1,559	1,060	499	440	-	59
2011	1,107	990	117	105	-	12
2012	(NA)	1,037	(NA)	59	(NA)	249
2013	(NA)	1/ 1,505	(NA)	-	(NA)	16
2014	(NA)	1/ 900	(NA)	(NA)	325	-
2015	2,732	2,707	25	-	-	25
<b>Units demolished</b>						
2010	366	286	80	42	12	26
2011	422	325	97	43	31	23
2012	(NA)	293	(NA)	27	(NA)	26
2013	(NA)	277	(NA)	35	(NA)	30
2014	(NA)	364	(NA)	(NA)	9	44
2015	423	329	94	54	11	29

NA Not available.

1/ Revised from previous *Data Book*.

Source: City and County of Honolulu, Department of Planning and Permitting, "Monthly Bulletin - Building Permits" (annual calendar year data) <<http://www.honolulu.gov/ReportsNotices/CalendarYearBulletins.aspx>> and records; County of Hawaii, Department of Public Works, Building Division "Yearly Building Permits – Hawaii County" <<http://records.co.hawaii.hi.us/Weblink8/1/doc/76382/Electronic.aspx>> and records; County of Kauai, Department of Public Works, Building Division, records; and County of Maui, Department of Public Works, Development Services Administration, records.

**Table 21.08-- REVENUES OF TOP CONTRACTORS: 2013 TO 2015**

[In millions of dollars. Contractors with the highest Hawaii revenues based on 2015 survey responses. List represents only those companies that responded to requests for information]

Rank	Contractor	2013 1/	2014 2/	2015
1	Hawaiian Dredging Construction Co., Inc.	425.00	546.00	662.00
2	Nordic PCL Construction, Inc.	161.00	196.00	433.00
3	Kiewit Corp.	150.00	260.00	399.56
4	Albert C. Kobayashi, Inc.	150.00	228.00	367.00
5	dck pacific construction, LLC	232.00	213.00	239.20
6	Nan, Inc.	246.70	233.90	197.50
7	Swinerton Builders	157.60	167.00	195.00
8	Hensel Phelps Construction Co.	128.00	142.00	190.11
9	Layton Construction Co., Inc.	(NA)	94.20	167.10
10	Dorvin D. Leis Co., Inc.	82.20	95.50	137.01
11	Watts Constructors, LLC	39.25	130.90	87.00
12	Isemoto Contracting Co.	47.10	71.30	83.10
13	Coastal Construction	61.50	61.80	81.90
14	Allied Builders System	49.10	69.30	75.40
15	Moss Construction	(NA)	(NA)	72.07
16	Wasa Electrical Services	69.50	60.30	65.00
17	Shioi Construction Inc.	49.70	50.90	60.00
18	Royal Contracting Co. Ltd.	28.09	30.20	50.70
19	Group Builders Inc.	48.30	66.50	50.10
20	Arita-Poulson General Contracting LLC	23.70	29.79	37.00
20	Ralph S. Inouye Co. Ltd	37.60	18.30	37.00
22	F&H Construction	22.50	22.10	33.99
23	S&M Sakamoto Inc.	(NA)	19.69	27.40
24	Honolulu Builders	46.40	15.50	26.00
25	Paradigm Construction LLC	46.40	15.50	25.02

NA Not available.

1/ Figures furnished in 2014 by the 2013 Top 25 listees or from earlier lists.

2/ Figures furnished in 2015 by the 2014 Top 25 listees.

Source: *Building Industry Hawaii* "Top 25 Contractors" (July 2015) pp. 23 and 75 and "Top 25 Contractors" (July 2016) pp. 31 and 76 <<http://www.tradepublishing.com/building-industry-hawaii/>> accessed July 13, 2016.

**Table 21.09-- HONOLULU CONSTRUCTION COST INDEXES: 1990 TO 2015**

[January 1992=100. Data are annual averages]

Year	Single-family residence			High-rise building		
	All components	Materials' prices	Labor 1/	All components	Materials' prices	Labor 1/
1990	95.1	96.2	93.9	95.4	98.0	92.9
1991	98.4	99.5	97.2	99.2	101.6	97.1
1992	102.7	103.8	101.4	99.5	97.1	101.5
1993	111.5	116.0	106.2	104.0	100.7	106.8
1994	121.2	129.4	111.7	109.9	107.0	112.5
1995	118.2	119.9	116.1	114.1	110.8	117.1
1996	125.6	129.1	121.3	116.9	110.9	122.1
1997	129.3	132.7	125.3	119.3	111.8	126.0
1998	129.2	131.4	126.5	119.4	111.4	127.4
1999	129.8	(NA)	(NA)	121.1	111.4	131.3
2000	135.2	(NA)	(NA)	126.6	(NA)	(NA)
2001	142.6	(NA)	(NA)	134.1	(NA)	(NA)
2002	149.9	(NA)	(NA)	139.5	(NA)	(NA)
2003	154.7	(NA)	(NA)	143.7	(NA)	(NA)
2004	163.1	(NA)	(NA)	151.6	(NA)	(NA)
2005	175.1	(NA)	(NA)	159.5	(NA)	(NA)
2006	192.4	(NA)	(NA)	174.2	(NA)	(NA)
2007	207.6	(NA)	(NA)	188.0	(NA)	(NA)
2008	219.2	(NA)	(NA)	199.1	(NA)	(NA)
2009	222.3	(NA)	(NA)	202.5	(NA)	(NA)
2010	221.6	(NA)	(NA)	201.9	(NA)	(NA)
2011	226.2	(NA)	(NA)	206.7	(NA)	(NA)
2012	232.2	(NA)	(NA)	213.1	(NA)	(NA)
2013	243.9	(NA)	(NA)	224.0	(NA)	(NA)
2014	260.3	(NA)	(NA)	239.3	(NA)	(NA)
2015	273.6	(NA)	(NA)	250.8	(NA)	(NA)

NA Not available.

1/ Wages and benefits.

Source: First Hawaiian Bank, Research Department, records; Hawaii State Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, *Quarterly Statistical and Economic Report - 1st Quarter* <<http://dbedt.hawaii.gov/economic/qser/>> accessed April 19, 2016 and records.

**Table 21.10-- CONDOMINIUM ASSOCIATIONS REGISTERED WITH THE STATE OF HAWAII AND APARTMENTS REPRESENTED: 1990 TO 2015**

[Fiscal year ending June 30. Biennial registration was started in June 1997]

Year	Condominium associations registered	Apartments represented	Year	Condominium associations registered	Apartments represented
1990	201	20,066	2003	1,456	134,444
1991	809	74,916	2004	1,469	135,708
1992	968	87,127	2005	1,501	138,334
1993	1,049	91,424	2006	1,546	142,171
1994	1,114	95,827	2007	1,565	145,124
1995	1,171	101,628	2008	1,601	151,238
1996	1,249	107,580	2009	1,629	153,856
1997	1,277	106,052	2010	1,634	154,625
1998 1/	1,339	112,832	2011	1,670	156,511
1999	1,361	114,449	2012	1,649	156,846
2000	1,389	116,750	2013	1,668	158,294
2001	1,419	118,209	2014	1,591	151,320
2002	1,439	133,276	2015	1,693	160,854

1/ The first biennial registration, for the July 1, 1997 through June 30, 1999 biennium, was due on June 30, 1997. As a result, registrations were received in both the 1997 and 1998 fiscal years. The numbers reported here show the number of associations and apartments that registered for the biennium and include registrations received during each fiscal year.

Source: Hawaii Real Estate Commission, *Annual Report Real Estate Commission* (annual) <<http://cca.hawaii.gov/reb/reports/>> accessed January 7, 2016.

**Table 21.11-- CONDOMINIUM PROJECTS REGISTERED WITH THE STATE  
OF HAWAII: 1994 TO 2015**

[Fiscal year ending June 30. Registration is required only for projects that are being offered for sale, whether they are new or are already existing. In mixed use condominium projects, the predominant use is reported. This is done to prevent the multiple counting of a project filing]

<b>Year</b>	<b>Projects</b>	<b>Individual units</b>
1994	228	4,229
1995	255	4,654
1996	188	2,150
1997	201	2,765
1998	226	2,025
1999	211	2,363
2000	225	1,693
2001	210	2,918
2002	201	3,094
2003	301	4,705
2004	411	10,106
2005	469	15,695
2006	543	11,243
2007	459	11,157
2008	417	9,128
2009	347	6,504
2010	272	7,210
2011	250	5,347
2012	210	5,827
2013	234	8,464
2014	261	6,715
2015	253	10,652

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Branch, *Annual Report Real Estate Commission* (annual) <<http://cca.hawaii.gov/reb/reports/>> accessed January 7, 2016.

**Table 21.12-- NEW CONDOMINIUM PROJECTS, BY TYPE: 2011 TO 2015**

[Fiscal years ending June 30. In mixed use condominium projects, the predominant use is reported. This is done to prevent the multiple counting of a project filing]

Type of project	2011	2012	2013	2014	2015
All types	141	129	128	153	160
Total residential 1/	2/ 98	2/ 95	102	121	125
Commercial and other	12	15	10	9	9
Agricultural	31	19	16	23	26
New residential projects					
by size 1/	97	95	102	115	125
2 units or fewer	27	20	18	25	34
3 to 15 units	12	25	37	47	34
16 to 50 units	40	30	14	8	10
More than 50 units	18	20	33	35	47

1/ The "Total residential" figure was obtained from the "Condominium Project Filings" table in the source and may differ from the total figure shown in the "New Residential Projects - By Size" table of the source. The "Total residential" figures which is from the "Condominium Project Filings" table of the source reflects the total number of projects received which includes projects that were eventually withdrawn or returned. The table with new residential projects by size figures, however, reflect only the projects that had an issuance of the developer's public report.

2/ Includes one project that was either withdrawn or returned.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Branch, *2015 Annual Report Real Estate Commission* <<http://cca.hawaii.gov/reb/reports/>> accessed January 7, 2016 and records.

**Table 21.13-- HOUSING UNITS CONVERTED TO CONDOMINIUM UNITS:  
1994 TO 2015**

[Fiscal year ending June 30. Previous *Data Book* tables containing these data were titled "Housing Units Converted From Rental Units to Condominium Units" and "Condominium Units". Data contained in this table reflect the number of housing units converted to condominium units. This conversion is not exclusively from rental units to condominium units, but includes all types of units that were converted to condominium units during the current fiscal year]

<b>Year</b>	<b>Projects</b>	<b>Individual units</b>
1994	73	491
1995	89	1,060
1996	74	386
1997	66	981
1998	54	665
1999	73	368
2000	55	342
2001	44	454
2002	58	591
2003	92	740
2004	116	1,422
2005	135	2,347
2006	164	1,177
2007	157	903
2008	132	664
2009	112	1,592
2010	89	618
2011	79	575
2012	64	219
2013	75	553
2014	75	633
2015	71	596

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Branch, *Annual Report Real Estate Commission* (annual) <<http://cca.hawaii.gov/reb/reports/>> accessed January 7, 2016.

**Table 21.14-- TIMESHARE PROPERTIES AND UNITS,  
BY ISLAND: 2014 AND 2015**

<b>Subject</b>	<b>State total</b>	<b>Oahu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui</b>	<b>Molokai</b>
2014						
Properties 1/	60	13	13	17	17	-
Registered units 2/	3/ 9,938	3/ 3,194	3/ 1,594	3/ 2,305	2,845	-
Operated units 4/	3/ 10,071	3/ 3,148	3/ 1,594	3/ 2,484	2,845	-
2015						
Properties 1/	83	19	17	21	25	1
Registered units 2/	10,404	2,922	1,848	2,400	3,227	7
Operated units 4/	10,680	3,151	1,663	2,632	3,227	7

1/ Includes any property which contains one or more operated timeshare units. Data were obtained directly from the Hawaii Tourism Authority summary information on properties with operated units. For the data years prior to 2013, the *Data Book* tables included any property with registered timeshare units. Therefore, *Data Book* tables with data prior to 2013 are not comparable to those displaying data from 2013 and onward.

2/ The number of units registered included those that were available for sale in a timeshare program (as well as those already sold in such a program).

3/ Revised from previous *Data Book*.

4/ There was a change in the reporting procedure from the 2009 data and onward. The number of units operated represented the units that were in use. Certain timeshares properties have the ability to split a given registered timeshare unit into more than one operated visitor unit (i.e. it may be possible for a two-bedroom unit to be rented as two keys: one studio unit and one 1-bedroom unit). Operated units were defined as number of salable keys that were operated for visitor use. In some cases, the number of operating units exceed the number of registered units for a given timeshare property. This change in reporting procedure resulted in a higher inventory count for certain timeshare properties, but did not necessarily reflect a change in the physical plant.

Source: Hawaii Tourism Authority, Tourism Research, *Visitor Plant Inventory* (annual)  
<<http://www.hawaii-tourism-authority.org/research/reports/visitor-plant-inventory/>> accessed May 25, 2016.

**Table 21.15-- HOME EXEMPTIONS CLAIMED: 2011 TO 2016**

[Fiscal year ending June 30]

Tenure and county	2011	2012	2013	2014	2015	2016
<b>TOTAL OWNER-OCCUPIED 1/</b>						
State total	219,138	220,654	217,935	217,768	217,108	217,439
Honolulu	142,402	144,092	141,258	140,865	140,582	140,950
Maui	26,253	26,007	25,842	25,681	25,431	25,364
Hawaii	38,055	38,261	38,528	38,856	38,720	38,599
Kauai	12,428	12,294	12,307	12,366	12,375	12,526
<b>FEE SIMPLE</b>						
State total	2/ 212,873	214,655	212,396	212,433	212,010	212,486
Honolulu	137,435	139,300	136,866	136,641	136,524	137,025
Maui	25,408	25,201	25,081	24,953	24,755	24,724
Hawaii	2/ 37,799	38,071	38,350	38,692	38,576	38,466
Kauai	12,231	12,083	12,099	12,147	12,155	12,271
<b>LEASEHOLD</b>						
State total	2/ 6,265	5,999	5,539	5,335	5,098	4,953
Honolulu	4,967	4,792	4,392	4,224	4,058	3,925
Maui	845	806	761	728	676	640
Hawaii	2/ 256	190	178	164	144	133
Kauai	197	211	208	219	220	255

1/ "Owner-occupied" is the sum of the "fee" and "leasehold" home exemptions categories.

2/ Figures differ from published ones and are based on revised county information. This affects the Hawaii County figures as well as the state totals.

Source: City and County of Honolulu, Budget and Fiscal Services Department, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, State of Hawaii*, "Number and Amount of Exemption by Type and County" (annual)

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed May 26, 2016 and records.

**Table 21.16-- SELECTED HOUSING CHARACTERISTICS, BY COUNTY: 2010**

<b>Subject</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
All housing units	519,508	336,899	82,324	29,793	70,492
Occupied housing units	455,338	311,047	67,096	23,240	53,955
Owner-occupied housing units	262,682	174,387	44,271	13,968	30,056
Renter-occupied housing units	192,656	136,660	22,825	9,272	23,899
Average household size					
Owner-occupied housing units	3.02	3.11	2.69	2.96	3.02
Renter-occupied housing units	2.72	2.75	2.73	2.64	2.57
Vacant housing units	64,170	25,852	15,228	6,553	16,537
For rent	16,441	8,633	2,995	1,312	3,501
Rented, not occupied	954	625	101	61	167
For sale only	4,277	1,941	1,338	251	747
Sold, not occupied	1,151	645	289	51	166
For seasonal, recreational, or occasional use 2/	30,079	8,799	7,135	4,172	9,973
All other vacants	11,268	5,209	3,370	706	1,983
Homeowner vacancy rate (percent)	1.60	1.10	2.90	1.80	2.41
Rental vacancy rate (percent)	7.80	5.90	11.60	12.30	12.70
Owner-occupied	262,682	174,387	44,271	13,968	30,056
Family households	198,891	134,249	31,369	10,754	22,519
Husband-wife family	155,722	104,825	24,627	8,443	17,827
Other family	43,169	29,424	6,742	2,311	4,692
Nonfamily households	63,791	40,138	12,902	3,214	7,537
Renter-occupied	192,656	136,660	22,825	9,272	23,899
Family households	115,016	83,593	13,038	5,393	12,992
Husband-wife family	74,354	56,347	7,207	3,211	7,589
Other family	40,662	27,246	5,831	2,182	5,403
Nonfamily household	77,640	53,067	9,787	3,879	10,907

1/ Maui County includes Kalawao County. Kalawao County had 113 housing units, 1 owner-occupied housing unit and 68 renter-occupied housing units.

2/ Used or intended for use only in certain seasons or for weekends or other occasional use throughout the year. Seasonal units include those used for summer or winter sports or recreation, such as beach cottages and hunting cabins. Seasonal units also may include quarters for such workers as herders and loggers. Interval ownership units, sometimes called shared-ownership or time-sharing condominiums, also are included here.

Source: U.S. Census Bureau, 2010 Census "DP-1 - Hawaii Profile of General 2010 Demographic Profile Data" (May 19, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2011 and 2010 Census Summary File 1 (June 16, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed July 11, 2011.

**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS,  
BY COUNTY: 2010-2014**

[Based on a sample and subject to sampling variability. Figures displayed  
are the average values over the 5-year period of 2010 to 2014]

<b>Characteristic</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kalawao County</b>	<b>Kauai County</b>	<b>Maui County</b>
All housing units	524,852	339,830	83,904	87	30,112	70,919
Occupied	450,299	310,141	64,586	46	22,395	53,131
Vacant	74,553	29,689	19,318	41	7,717	17,788
Units in structure						
1 unit, detached	282,060	154,792	66,103	70	20,969	40,126
1 unit, attached	43,361	35,494	2,034	2	1,401	4,430
2 units	14,188	7,545	1,608	5	1,589	3,441
3 or more units	184,354	141,658	13,858	10	6,062	22,766
Mobile home, boat, RV, van, etc	889	341	301	-	91	156
Tenure						
Owner-occupied	257,315	170,342	42,485	2	14,046	30,440
Renter-occupied	192,984	139,799	22,101	44	8,349	22,691
Average household size of unit						
Owner-occupied	3.15	3.22	2.91	(NA)	3.08	3.13
Renter-occupied	2.79	2.80	2.84	1.41	2.95	2.69
Percent						
Structure built 2010 or later	1.1	1.2	1.0	0.0	0.7	0.6
Structure built 2000 to 2009	14.0	11.2	22.1	0.0	13.3	17.8
Structure built 1990 to 1999	14.8	12.6	19.0	2.3	21.5	17.0
Structure built 1940 to 1989	66.7	71.5	53.4	65.5	61.4	61.6
Structure built before 1940	3.5	3.4	4.4	32.2	3.1	3.1
Lacking complete plumbing	0.8	0.4	2.0	0.0	1.2	1.3
Lacking complete kitchen facilities	1.8	1.5	2.6	0.0	1.3	2.4
With no telephone service	2.4	2.2	2.2	0.0	4.0	3.4
Median number of rooms	4.6	4.7	4.8	3.6	4.7	4.1
Percent householder moved into unit						
Moved into unit 2010 or later	25.8	26.9	21.6	34.8	21.9	26.7
Moved into unit 2000 to 2009	37.2	36.0	41.0	32.6	35.8	40.5
Moved into unit 1990 to 1999	15.0	14.3	17.1	13.0	19.5	14.7
Moved into unit before 1990	22.0	22.8	20.3	19.6	22.8	18.1
Percent of units with occupants per room of 1.51 or more	3.0	2.9	3.0	0.0	2.7	3.8

Continued on next page.

**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS,  
BY COUNTY: 2010-2014 -- Con.**

<b>Characteristic</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kalawao County</b>	<b>Kauai County</b>	<b>Maui County</b>
Median value (dollars) for owner-occupied units	504,500	564,400	301,500	(X)	483,800	510,300
Selected monthly owner costs						
Housing units with a mortgage	174,062	117,679	26,272	-	9,044	21,067
Median (dollars)	2,291	2,422	1,692	(X)	2,232	2,344
Housing units without a mortgage	83,253	52,663	16,213	2	5,002	9,373
Median (dollars)	509	562	329	(NA)	473	469
Selected monthly owner costs as a percentage of household income (SMOCAPI) 1/						
Housing units with a mortgage (excluding units where SMOCAPI cannot be computed)	173,222	117,300	25,969	-	8,976	20,977
Monthly costs were 35 percent or more of household income	63,103	39,689	10,132	(X)	4,117	9,165
Housing units without a mortgage (excluding units where SMOCAPI cannot be computed)	81,763	51,884	15,664	2	4,950	9,263
Monthly costs were 35 percent or more of household income	7,949	5,086	1,560	-	456	847
Gross rent						
Occupied units paying rent	179,636	132,483	18,816	31	7,616	20,690
Median(dollars)	1,417	1,528	1,039	830	1,265	1,281
Gross rent as a percentage of household income (GRAPI)						
Occupied units paying rent (excluding units where GRAPI cannot be computed)	175,895	129,771	18,161	31	7,515	20,417
35.0 percent or more	83,008	62,118	8,954	11	2,881	9,044

NA Not available.

X Not applicable.

1/ Selected monthly owner costs as a percentage of household income (SMOCAPI) is the computed ratio of selected monthly owner costs to monthly household income. The ratio was computed separately for each unit and rounded to the nearest whole percentage. In prior years, the data are tabulated for all owner-occupied units. It is now restricted to only those units where SMOCAPI is computed, that is SMOC and household income are valid values. It provides information on the monthly housing cost expenses for owners.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, Data Profile <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed December 3, 2015.

**Table 21.18-- TENURE BY AGE OF HOUSEHOLDER: 2000 AND 2010**

<b>Subject</b>	<b>April 1, 2000</b>	<b>April 1, 2010</b>	<b>Percent change</b>
Total housing units	460,542	519,508	12.8
Households by age of householder, total	403,240	455,338	12.9
Owner-occupied housing units	227,888	262,682	15.3
15 to 24 years	1,667	1,892	13.5
25 to 34 years	17,239	16,752	-2.8
35 to 44 years	43,073	36,459	-15.4
45 to 54 years	56,886	57,404	0.9
55 to 64 years	41,370	66,267	60.2
65 years and over	67,653	83,908	24.0
65 to 74 years	35,461	42,574	20.1
75 to 84 years	25,824	28,781	11.5
85 years and over	6,368	12,553	97.1
Renter-occupied housing units	175,352	192,656	9.9
15 to 24 years	14,657	14,705	0.3
25 to 34 years	43,668	44,670	2.3
35 to 44 years	45,181	39,337	-12.9
45 to 54 years	32,856	36,589	11.4
55 to 64 years	16,564	28,383	71.4
65 years and over	22,426	28,972	29.2
65 to 74 years	11,835	14,743	24.6
75 to 84 years	8,133	9,620	18.3
85 years and over	2,458	4,609	87.5

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 20, 2011 and 2010 Census Summary File 1 Hawaii (June 16, 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 20, 2011.

**Table 21.19-- CHARACTERISTICS OF HOUSING UNITS AND HOUSEHOLDS,  
FOR THE STATE, 2006 AND 2011, AND COUNTY, 2011**

Subject	The State		County, 2011			
	2006	2011	Hono- lulu	Maui	Hawaii	Kauai
Home ownership (percent)	61	57	56	54	67	59
Unit size (bedrooms) (percent)						
Studio or 1 bedroom	17	15	15	17	13	12
2 bedrooms	24	22	21	26	21	19
3 bedrooms	39	39	37	37	47	51
4+ bedrooms	20	24	26	20	19	18
Total households	435,818	455,311	310,882	54,132	67,096	23,201
Household income (median dollars)	58,393	58,700	59,076	58,424	44,696	49,730
Average monthly mortgage payment (dollars)	1,167	1,355	1,415	1,461	1,106	1,273
Average monthly rent (dollars)	1,274	1,421	1,502	1,280	1,121	1,311
Crowded (percent) 1/	8.2	12.1	13.3	11.4	8.6	10.0
Monthly shelter payment as percent of monthly household income						
Under 30 percent	54.2	51.4	54.1	40.8	49.1	46.0
30 to 40 percent	11.3	10.4	8.2	18.0	12.5	17.3
Over 40 percent	22.7	27.7	28.0	30.2	25.1	24.2
No pmt/not enough info 2/	11.8	10.5	9.7	11.0	13.3	12.6
Household type (percent)						
Single member	22.9	22.9	22.2	24.7	24.6	22.5
Married, no children	22.8	21.0	19.6	22.2	25.0	23.6
Parent(s) and children	21.6	13.9	14.1	12.8	13.5	14.8
Unrelated roommates	3.2	5.5	5.0	7.0	6.5	4.4
Other 3/	28.8	35.2	37.6	30.7	29.0	32.5
Undetermined	0.6	1.6	1.4	2.6	1.4	2.2

1/ Units with 1.01 or more persons per room.

2/ Households with no shelter payment or those that did not provide sufficient information to calculate a shelter-to-income ratio.

3/ Includes all other types of households that could be classified. This category includes many complex households such as those with many adults and many children, related and unrelated individuals, and more than two generations in a single household.

Source: *Hawai'i Housing Planning Study, 2011*, prepared by SMS Research & Marketing Services, Inc. (November 2011) <<http://hawaii.gov/dbedt/hhfdc/resources/HHPS2011%20study.pdf>> accessed April 20, 2012.

**Table 21.20-- HOUSING UNITS, BY COUNTY: 2000 TO 2015**

Year	State total	Honolulu	Hawaii	Kauai	Maui 1/
2000: April 1	460,542	315,988	62,674	25,331	56,549
2000: April 1 estimates base 2/	460,518	315,994	62,650	25,331	56,543
2000: July 1 2/	461,646	316,367	63,022	25,380	56,877
2001: July 1 2/	466,175	317,857	64,515	25,579	58,224
2002: July 1 2/	470,601	319,349	65,899	25,856	59,497
2003: July 1 2/	476,104	321,510	67,335	26,353	60,906
2004: July 1 2/	482,971	324,446	69,502	26,789	62,234
2005: July 1 2/	491,559	327,967	72,511	27,115	63,966
2006: July 1 2/	500,837	331,354	75,807	27,902	65,774
2007: July 1 2/	507,743	333,338	78,331	28,667	67,407
2008: July 1 2/	514,132	335,640	80,371	29,159	68,962
2009: July 1 2/	517,829	336,525	81,806	29,508	69,990
2010: April 1	519,508	336,899	82,324	29,793	70,492
2010: April 1 estimates base 3/	519,508	336,899	82,323	29,793	70,493
2010: July 1 3/	519,969	337,032	82,462	29,908	70,567
2011: July 1 3/	522,636	338,403	83,433	30,042	70,758
2012: July 1 3/	524,651	339,628	84,010	30,127	70,886
2013: July 1 3/	526,929	340,863	84,537	30,222	71,307
2014: July 1 3/	530,091	343,008	85,159	30,346	71,578
2015: July 1 3/	532,455	344,108	86,009	30,503	71,835
Share of state total April 1, 2010 estimates base	100.0	64.8	15.8	5.7	13.6
July 1, 2015	100.0	64.6	16.2	5.7	13.5
April 1, 2010 estimates base to July 1, 2015 Percent change	2.5	2.1	4.5	2.4	1.9
Average annual	0.5	0.4	0.8	0.4	0.4

1/ Maui County including Kalawao County.

2/ Housing unit estimates for 2000 through 2009 were revised on October 9, 2012 based upon the April 1, 2010 Census figures.

3/ Housing unit estimates are based on revisions released in May 2016 and may differ from figures in previous *Data Books*. The estimates are based on the 2010 Census and reflect changes to the April 1, 2010 housing units due to the Count Question Resolution program and geographic program revisions.

Source: U.S. Census Bureau, "Table 2. Intercensal Estimates of Housing Units for Counties of Hawaii: April 1, 2000 to July 1, 2010" <<http://www.census.gov/popest/data/intercensal/housing/tables/HU-EST00INT-02/HU-EST00INT-02-15.xls>> accessed May 28, 2013; U.S. Census Bureau, Population Division "Annual Estimates of Housing Units for the United States, Regions, Divisions, States, and Counties: April 1, 2010 to July 1, 2015" (PEPANNHU) (May 19, 2016) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 19, 2016; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.21-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:  
2000 AND 2010**

Neighborhood area 1/ (see maps)	2000 2/	2010 3/	Percent change
Oahu total	315,988	340,906	7.9
1 Hawaii Kai	10,175	11,462	12.6
2 Kuliouou-Kalani Iki	5,677	5,765	1.6
3 Waialae-Kahala	3,982	4,261	7.0
4 Kaimuki	6,991	7,042	0.7
5 Diamond Head/Kapahulu/St. Louis Heights	8,252	8,285	0.4
6 Palolo	4,279	4,324	1.1
7 Manoa	7,616	7,667	0.7
8 McCully/Moiliili	14,098	14,382	2.0
9 Waikiki	18,370	19,196	4.5
10 Makiki/Lower Punchbowl/Tantalus	16,141	16,708	3.5
11 Ala Moana/Kakaako	9,440	12,583	33.3
12 Nuuanu/Punchbowl	6,759	6,837	1.2
13 Downtown	7,341	8,208	11.8
14 Liliha/Kapalama	6,974	7,019	0.6
15 Kalihi-Palama	11,108	11,523	3.7
16 Kalihi Valley	4,169	4,186	0.4
17 Moanalua	3,462	3,468	0.2
18 Aliamanu/Salt Lake/Foster Village	12,927	13,208	2.2
19 Airport Area	6,477	6,492	0.2
20 Aiea	10,194	10,461	2.6
21 Pearl City	15,040	15,079	0.3
22 Waipahu	17,263	18,704	8.3
23 Ewa	13,044	18,868	44.6
24 Waianae Coast	12,141	13,333	9.8
25 Mililani/Waipio/Melemanu	12,001	12,569	4.7
26 Wahiawa	11,972	12,305	2.8
27 North Shore	6,648	6,677	0.4
28 Koolauloa	4,473	4,532	1.3
29 Kahaluu	4,587	4,620	0.7
30 Kaneohe	11,347	11,474	1.1
31 Kailua	15,752	15,768	0.1
32 Waimanalo	2,890	2,987	3.4
33 Mokapu	2,388	2,388	0.0
34 Makakilo/Kapolei/Honokai Hale	7,968	11,254	41.2
35 Mililani Mauka-Launani Valley	4,042	7,271	79.9

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the Neighborhood Board boundaries. Neighborhood Board numbers are displayed next to the Neighborhood Board names.

2/ As of April 1, 2000. Year 2000 census data aggregated by traffic zone data. This may differ from data aggregated by census blocks which are shown in Table 21.22.

3/ As of June 30. Estimated housing units based on traffic zones.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, records.

**Table 21.22-- HOUSING CHARACTERISTICS OF OAHU  
NEIGHBORHOODS: 2000**

Neighborhood area 1/ (see maps)	Total housing units 2/	Occupied		Home- ownership rate	Vacancy rate (%)	
		Owner	Renter		Home- owner	Rental
Oahu total	315,988	156,290	130,160	54.6	1.6	8.6
1 Hawaii Kai	10,175	7,669	1,997	79.3	1.0	3.7
2 Kuliouou-Kalani Iki	5,733	4,540	926	83.1	1.0	2.2
3 Waialae-Kahala	3,926	2,729	809	77.1	1.2	5.8
4 Kaimuki	6,632	4,193	2,169	65.9	0.8	4.7
5 Diamond Head/Kapahulu/ St. Louis Heights	8,809	4,162	3,696	53.0	3.2	8.4
6 Palolo	4,347	2,318	1,823	56.0	1.0	6.1
7 Manoa	7,420	4,224	2,827	59.9	0.8	6.3
8 McCully/Moiliili	14,098	3,596	9,074	28.4	1.5	9.2
9 Waikiki	18,370	3,819	7,578	33.5	3.0	30.3
10 Makiki/Lower Punchbowl/Tantalus	16,122	5,717	9,050	38.7	2.1	7.8
11 Ala Moana/Kakaako	9,440	2,475	5,322	31.7	8.4	8.1
12 Nuuanu/Punchbowl	6,830	3,756	2,655	58.6	0.6	7.1
13 Downtown	7,341	1,554	5,263	22.8	4.6	5.8
14 Liliha/Kapalama	6,852	3,669	2,826	56.5	1.0	6.1
15 Kalihi-Palama	11,108	2,945	7,313	28.7	1.1	7.2
16 Kalihi Valley	4,169	2,363	1,578	60.0	0.8	6.0
17 Moanalua	3,462	1,615	1,604	50.2	0.6	3.0
18 Aliamanu/Salt Lake/ Foster Village	12,927	5,687	6,045	48.5	1.3	10.1
19 Airport	5,627	87	4,914	1.7	7.4	0.6
20 Aiea	11,044	6,188	4,392	58.5	0.9	5.5
21 Pearl City	14,440	9,980	4,030	71.2	0.7	4.0
22 Waipahu	18,453	11,216	6,257	64.2	1.9	7.1
23 Ewa	12,895	8,020	3,690	68.5	2.7	6.0
24 Waianae Coast	12,357	6,094	4,442	57.8	2.9	16.7
25 Mililani/Waipio/Melemanu	11,261	7,889	2,972	72.6	1.0	5.7
26 Wahiawa	12,115	3,350	7,253	31.6	2.6	5.4
27 North Shore	6,648	2,595	3,298	44.0	1.1	5.7
28 Koolauloa	4,473	1,801	1,881	48.9	2.0	9.9
29 Kahaluu	4,587	3,072	1,312	70.1	0.7	4.7
30 Kaneohe	13,351	9,030	3,770	70.5	0.8	5.3
31 Kailua	14,063	9,597	3,887	71.2	0.7	4.0
32 Waimanalo	2,575	1,670	772	68.4	0.9	3.1
33 Mokapu	2,388	29	2,303	1.2	0.0	2.1

Continued on next page.

**Table 21.22-- HOUSING CHARACTERISTICS OF  
OAHU NEIGHBORHOODS: 2000 -- Con.**

Neighborhood area 1/ (see maps)	Total housing units 2/	Occupied		Home- ownership rate	Vacancy rate (%)	
		Owner	Renter		Home- owner	Rental
34 Makakilo/Kapolei/ Honokai Hale	7,908	5,236	1,985	72.5	2.7	5.6
35 Mililani Mauka-Launani Valley	4,042	3,405	447	88.4	2.2	9.7

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the Neighborhood Board boundaries. Neighborhood Board numbers are displayed next to the Neighborhood Board names.

2/ Year 2000 census data aggregated by census blocks. This may differ from data aggregated by traffic zones which are shown in Table 21.20.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, Community Profiles for Neighborhood Areas

<<http://honolulu.gov/planning/demographics2/2000/NA/general.pdf>> accessed July 3, 2007.

**Table 21.23-- VACANCY AND HOMEOWNERSHIP RATES, FOR THE STATE AND HONOLULU MSA: 1999 TO 2015**

Year	Rental vacancy rate 1/		Homeowner vacancy rate 1/		Gross vacancy rate 3/		Year-round vacancy rate 4/		Homeownership rate 1/	
	State	Urban Honolulu MSA 2/	State	Urban Honolulu MSA 2/	State	Urban Honolulu MSA 2/	State	Urban Honolulu MSA 2/	State	Urban Honolulu MSA 2/
1999	7.6	7.6	1.8	1.2	(NA)	(NA)	(NA)	(NA)	56.6	56.0
2000	5.3	4.9	0.9	0.7	(NA)	(NA)	(NA)	(NA)	55.2	56.8
2001	8.2	8.0	0.8	0.6	(NA)	(NA)	(NA)	(NA)	55.5	55.4
2002	7.3	5.5	0.9	1.0	(NA)	(NA)	(NA)	(NA)	57.9	57.0
2003	8.9	7.0	1.2	0.9	(NA)	(NA)	(NA)	(NA)	58.3	56.9
2004	7.7	5.8	1.3	1.1	(NA)	(NA)	(NA)	(NA)	60.6	59.4
2005	5.1	3.9	0.6	0.6	14.1	9.3	13.9	9.0	59.8	58.0
2006	5.5	3.9	1.0	0.8	15.5	10.4	13.8	9.0	59.9	58.4
2007	6.3	5.1	1.7	1.2	16.2	10.1	14.8	8.7	60.1	58.8
2008	7.2	5.1	1.7	1.0	16.1	9.9	14.6	8.6	59.1	57.2
2009	9.2	6.9	1.9	0.8	16.8	10.9	15.1	9.4	59.5	57.6
2010	8.1	7.2	1.9	1.0	17.8	11.5	16.4	10.0	56.1	54.9
2011	9.4	6.9	2.2	0.7	18.4	12.1	17.2	10.9	55.4	54.1
2012	10.2	6.3	2.3	1.3	16.8	10.2	15.8	8.8	57.2	56.1
2013	10.1	6.0	1.8	0.9	17.4	10.9	15.8	8.6	57.3	57.9
2014	8.3	5.6	1.6	1.1	18.0	12.3	16.2	10.2	58.4	58.2
2015	8.7	7.4	1.5	1.3	16.1	11.9	14.4	10.2	59.3	59.6
Standard error 5/	1.3	1.8	0.5	0.7	1.0	1.3	1.0	1.3	1.8	2.6

NA Not available.

1/ In 2015, the rental vacancy rate for the entire U.S. was 7.1 and the rental vacancy rate for all U.S. inside metropolitan areas was 6.8; the homeowner vacancy rate for the entire U.S. was 1.8 and the homeowner vacancy rate for all U.S. inside metropolitan areas was 1.7; and the homeownership rate for the entire U.S. was 63.7 and the homeownership rate for all U.S. inside metropolitan areas was 62.2.

2/ The Honolulu Metropolitan Statistical Area (MSA) consists of the City and County of Honolulu. The metropolitan data for 2004 and earlier are based on 1990 metropolitan/nonmetropolitan definitions; the 2005 to 2014 data are based on 2000 metropolitan/nonmetropolitan definitions; and the 2015 and later data are based on 2010 metropolitan/nonmetropolitan definitions. In 2010, Honolulu MSA was renamed to Urban Honolulu MSA.

3/ Percentage of the total housing inventory that is vacant. The percentage numerator is all vacant units, while the percentage denominator is the sum of all occupied and vacant housing units. In 2015, the gross vacancy rate for the entire U.S. was 12.9 and for all U.S. inside metropolitan areas was 11.3.

4/ Percentage of the total housing inventory, excluding seasonal rentals, that is vacant. The percentage numerator is all year-round vacant units, while the percentage denominator is the sum of all year round vacant units and occupied units. In 2015, the year-round vacancy rate for the entire U.S. was 10.0 and for all U.S. inside metropolitan areas was 9.3.

5/ 90-percent confidence interval of standard errors.

Source: U.S. Census Bureau, "Housing Vacancies and Homeownership Annual Statistics: 2015" <<http://www.census.gov/housing/hvs/>> accessed May 20, 2016.

**Table 21.24-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE FOR THE METROPOLITAN HONOLULU OFFICE MARKET, BY SUBMARKET: 2007 TO 2015**

[The size of the Metropolitan Honolulu Office Market survey varies from year to year. For 2015, it included 93 multi-class tenants]

<b>Vacancy rate 1/</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Downtown 2/	10.1	9.6	10.5	15.1	16.1	15.1	13.7	14.5	15.9
Suburban 3/	7.2	8.1	10.2	12.3	15.1	14.8	13.5	15.4	13.5

1/ The vacancy rates are for Class A and Class B buildings which were included in the survey. Class A buildings are those in excellent locations which have high-quality tenants, high-quality finish, are well-maintained, are professionally managed, and are usually new, or old buildings that are competitive with new buildings. Class B buildings are those in good locations that are professionally managed and have fairly high-quality construction and tenancy. Class B buildings generally show very little functional obsolescence and deterioration.

2/ Downtown is comprised of the Central Business District Submarket. Buildings surveyed in Downtown are generally 40,000 square feet and above.

3/ Suburban is comprised of eight submarkets: Kapiolani Corridor (Ala Moana, Kakaako, Kapiolani); Waikiki; East Oahu (Hawaii Kai to Kahala); East Central Oahu (Kaimuku to Kalihi); West Central Oahu (Mapunapuna to Pearl City); Leeward (Pearl City to Waipahu); West Oahu (Waipahu to Kapolei); and Windward (Kailua to Kaneohe). Buildings surveyed in the suburban market are generally 20,000 square feet and above.

Source: CBRE Research, records.

**Table 21.25--OFFICE, INDUSTRIAL AND RETAIL COMMERCIAL  
REAL ESTATE STATISTICS FOR OAHU: 2010 TO 2015**

[As of December 31]

<b>Subject</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Office</b>						
Vacancy rate (%) 1/	12.9	13.8	13.0	12.2	13.2	12.7
Annual net absorption (sq. ft.) 2/	-488,727	-79,597	103,842	95,943	-77,711	37,935
Average asking base rent (\$) 3/	1.58	1.56	1.57	1.57	1.64	1.67
Average operating expense (\$) 4/	1.21	1.25	1.28	1.33	1.34	1.34
<b>Industrial</b>						
Vacancy rate (%) 1/	4.8	4.8	3.8	2.7	2.1	1.7
Annual net absorption (sq. ft.) 2/	6,042	-32,267	391,915	375,959	262,706	173,186
Average asking base rent (\$) 3/	0.99	0.92	0.96	0.98	1.10	1.13
Average operating expense (\$) 4/	0.32	0.31	0.35	0.37	0.42	0.35
<b>Retail</b>						
Vacancy rate (%) 1/	3.8	4.2	4.6	4.2	4.1	5.1
Annual net absorption (sq. ft.) 2/	-29,673	26,293	356,381	72,045	12,972	461,436
Average asking base rent (\$) 3/	3.43	3.39	3.24	3.35	3.64	3.84
Average operating expense (\$) 4/	1.09	1.10	1.13	1.18	1.29	1.29

NA Not available.

1/ Total available vacant office space divided by the inventory of multitenant office buildings.

2/ The net change in occupied space over the end of the previous time periods.

3/ Per square feet per month. The mean of the base asking rents for available office space.

4/ Per square feet per month. Building operating expenses that are passthrough to the tenant.

Source: Colliers International <<http://www.colliers.com/en-us/hawaii/insights>> accessed July 29, 2016 and records.

**Table 21.26-- STATE GOVERNMENT CAPITAL IMPROVEMENT  
PROJECT EXPENDITURES: 1990 TO 2015**

[In thousands of dollars]

<b>Year</b>	<b>Total expenditures</b>	<b>General obligation bond 1/</b>	<b>Revenue bond 2/</b>	<b>General fund (cash)</b>	<b>Special fund</b>	<b>Federal funds 3/</b>
1990	995,163	248,379	368,502	133,529	79,998	164,755
1991	1,027,189	210,022	326,414	121,108	164,915	204,730
1992	1,323,450	331,720	512,432	138,867	124,605	215,826
1993	1,188,315	472,515	225,431	89,917	147,351	253,101
1994	1,214,487	492,048	327,980	56,662	135,440	202,357
1995	822,327	342,423	77,560	19,672	169,901	212,772
1996	720,580	286,472	66,625	6,719	165,426	195,338
1997	898,496	345,440	220,496	3,181	163,130	166,249
1998	818,181	329,218	199,294	1,963	192,397	95,309
1999	626,916	293,229	35,735	348	212,446	85,159
2000	612,559	295,988	34,114	305	179,336	102,817
2001	611,167	328,885	44,123	331	114,234	123,594
2002	654,804	387,088	45,962	133	123,084	98,538
2003	847,667	416,975	197,475	1	119,653	113,563
2004	400,707	236,176	-67,498	38	92,046	139,944
2005	765,953	337,222	98,672	-973	173,610	157,422
2006	652,664	349,222	48,946	1,873	157,239	95,384
2007	1,131,450	545,559	95,979	33,812	247,366	208,734
2008	980,061	387,376	165,319	53,366	137,322	236,677
2009	1,102,080	507,997	114,942	24,568	223,789	230,784
2010	1,052,636	496,579	106,669	5,948	213,535	229,905
2011	1,004,491	517,179	95,371	2,579	182,313	207,049
2012	1,300,621	557,695	264,699	645	267,253	210,329
2013	1,150,213	588,437	150,063	1,970	215,374	194,369
2014	1,277,887	573,308	247,380	555	195,183	261,460
2015	1,265,048	659,172	196,761	17	158,538	250,559

1/ Consists of general obligation bonds and reimbursable general obligation bonds.

2/ Consists of revenue bonds and special purpose revenue bonds.

3/ Includes special federal aid: interstate, primary, secondary; and federal funds.

Source: Hawaii State Department of Accounting and General Services, records; calculations by the Hawaii State Department of Business, Economic Development & Tourism as cited in DBEDT's *Quarterly Statistical and Economic Report - 1st Quarter* <<http://dbedt.hawaii.gov/economic/qser>> accessed April 19, 2016.

**Table 21.27-- HAWAII PUBLIC HOUSING AUTHORITY  
OPERATIONS: 2013 TO 2015**

[Fiscal year ending June 30 unless otherwise specified]

Subject	2013	2014	2015
Total units owned and administered by the Hawaii Public Housing Authority (HPHA) 1/	5,584	5,584	5,584
Total units occupied, May 31 2/	5,376	5,356	5,234
Total number of occupants, May 31 2/	14,856	13,827	13,618
Federal Public Housing Operating Fund (\$1,000)	(NA)	(NA)	(NA)
Average rent charged per unit per month (dollars) 2/ 3/ 4/	259	285	5/ 294

NA Not available.

1/ Federal low-rent, 4,720; State low-rent, 864.

2/ Data does not include 570 Kuhio Park Terrace units which receive federal subsidies.

3/ Some units pay zero rent; some get a utility allowance greater than the amount of rent that would otherwise be charged.

4/ Federal projects only; Federal subsidies received between July and June (fiscal year).

5/ Average rent for January 2016.

Source: Hawaii State Department of Human Services, Hawaii Public Housing Authority, records.

**Table 21.28-- CHARACTERISTICS OF THE REAL ESTATE  
SUBSECTOR (NAICS 531): 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census]

NAICS code	Kind of business	Estab-lish-ments	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employ-ees 1/
531	Total	1,553	2,441,969	335,866	7,314
5311	Lessors of real estate	643	1,618,443	125,484	2,669
53111	Residential buildings & dwellings	282	421,087	39,264	1,118
531110	Residential buildings & dwellings	282	421,087	39,264	1,118
5311101	Apartment buildings	186	110,515	15,169	533
5311109	Dwellings other than apartment bldgs	96	310,572	24,095	585
53112	Nonresidential buildings 2/	273	998,373	72,930	1,202
531120	Nonresidential buildings 2/	273	998,373	72,930	1,202
5311201	Professional & other office	92	332,337	27,678	362
5311202	Manufacturing & industrial	36	130,891	13,062	148
5311203	Shopping centers & retail stores	103	496,015	26,932	528
5311209	Other nonresidential bldgs & facilities	42	39,130	5,258	164
53113	Miniwarehouses & self-storage units	59	56,386	6,688	249
531130	Miniwarehouses & self-storage units	59	56,386	6,688	249
53119	Other real estate property	29	142,597	6,602	100
531190	Other real estate property	29	142,597	6,602	100
5311901	Manufactured (mobile) home sites	2	(D)	(D)	(3/)
5311909	Other real estate property	27	(D)	(D)	(4/)
5312	Offices of real estate agents and brokers	467	446,265	77,926	1,608
53121	Offices of real estate agents and brokers	467	446,265	77,926	1,608
531210	Offices of real estate agents and brokers	467	446,265	77,926	1,608
5312101	Residential real estate agents and brokers	401	388,556	56,776	1,287
5312109	Nonresidential real estate agents and brokers	66	57,709	21,150	321
5313	Activities related to real estate	443	377,261	132,456	3,037
53131	Real estate property managers	313	320,941	107,860	2,569
531311	Residential property managers	210	240,720	77,074	1,901
531312	Nonresidential property managers	103	80,221	30,786	668
53132	Offices of real estate appraisers	68	21,177	9,959	182
531320	Offices of real estate appraisers	68	21,177	9,959	182
53139	Other activities related to real estate	62	35,143	14,637	286
531390	Other activities related to real estate	62	35,143	14,637	286

D Withheld to avoid disclosing data for individual companies.

1/ Pay period including March 12.

2/ Except miniwarehouses.

3/ 0 to 19 employees.

4/ 20 to 99 employees.

Source: U.S. Census Bureau, *2012 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii* (January 2015) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2015.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR  
(NAICS 531), BY COUNTY AND PLACE: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS) which replaced the 2007 NAICS used in the 2007 Economic Census]

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Employees 1/</b>
State total	1,553	2,441,969	335,866	7,314
Hawaii County	181	99,895	21,619	635
Ainaloa	1	(D)	(D)	(2/)
Captain Cook	2	(D)	(D)	(2/)
Hawaiian Paradise Park	1	(D)	(D)	(2/)
Hilo	61	33,797	4,814	196
Holualoa	8	(D)	(D)	(2/)
Kahaluu-Keauhou	4	2,361	192	5
Kailua	32	23,665	5,622	152
Kalaoa	7	(D)	(D)	(2/)
Waikoloa Village	6	(D)	(D)	(3/)
Waimea	14	(D)	(D)	(3/)
Balance of Hawaii County	45	(D)	(D)	(4/)
Honolulu County	1,027	2,059,927	261,211	5,167
Ahuimanu	1	(D)	(D)	(2/)
Aiea	12	4,281	1,042	32
East Honolulu	44	15,813	3,904	81
Ewa Gentry	3	(D)	(D)	(2/)
Halawa	8	(D)	(D)	(3/)
Haleiwa	5	(D)	(D)	(2/)
Hauula	1	(D)	(D)	(2/)
Heeia	1	(D)	(D)	(2/)
Iroquois Point	1	(D)	(D)	(2/)
Kahaluu	1	(D)	(D)	(2/)
Kahuku	4	747	365	13
Kailua	44	24,954	5,089	122
Kaneohe	21	7,359	2,119	62
Kaneohe Station	1	(D)	(D)	(2/)
Kapolei	13	(D)	(D)	(3/)
Laie	1	(D)	(D)	(3/)
Maili	1	(D)	(D)	(2/)
Makakilo	4	461	99	3
Mililani Mauka	2	(D)	(D)	(3/)

Continued on next page.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR  
(NAICS 531), BY COUNTY AND PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Employees 1/</b>
Honolulu County (con.)				
Mililani Town	5	(D)	(D)	(3/)
Nanakuli	2	(D)	(D)	(2/)
Ocean Pointe	6	9,381	1,259	23
Pearl City	18	7,104	1,320	42
Pupukea	4	(D)	(D)	(2/)
Royal Kunia	1	(D)	(D)	(2/)
Schofield Barracks	1	(D)	(D)	(5/)
Urban Honolulu	713	1,444,166	198,146	3,850
Wahiawa	9	5,174	835	31
Waialua	2	(D)	(D)	(2/)
Waianae	8	(D)	(D)	(3/)
Waikele	4	9,798	566	10
Waimalu	24	20,568	3,287	81
Waimanalo	2	(D)	(D)	(2/)
Waimanalo Beach	1	(D)	(D)	(2/)
Waipahu	24	15,248	2,244	77
Waipio	5	(D)	(D)	(2/)
West Loch Estate	1	(D)	(D)	(2/)
Whitmore Village	1	(D)	(D)	(2/)
Balance of Honolulu County	28	(D)	(D)	(4/)
Kauai County	113	71,695	18,519	507
Hanamaulu	2	(D)	(D)	(2/)
Hanapepe	1	(D)	(D)	(2/)
Kalaheo	3	(D)	(D)	(2/)
Kapaa	13	(D)	(D)	(3/)
Kekaha	1	(D)	(D)	(2/)
Kilauea	11	(D)	(D)	(2/)
Lihue	25	17,179	3,323	82
Puhi	4	(D)	(D)	(2/)
Wailua Homesteads	1	(D)	(D)	(2/)
Balance of Kauai County	52	44,346	12,196	357
Maui County 6/	232	210,452	34,517	1,005
Haiku-Pauwela	6	(D)	(D)	(2/)
Kaanapali	15	36,905	1,913	40
Kahului	26	20,386	6,014	128
Kaunakakai	6	2,419	518	19
Kihei	51	48,477	6,113	155

Continued on next page.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR  
(NAICS 531), BY COUNTY AND PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Establish- ments (number)</b>	<b>Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Employees 1/</b>
Maui County (con.) 6/				
Kula	6	2,052	470	12
Lahaina	26	27,221	4,427	181
Lanai City	1	(D)	(D)	(2/)
Makawao	7	913	299	10
Napili-Honokowai	11	(D)	(D)	(3/)
Paia	4	(D)	(D)	(2/)
Pukalani	3	296	52	1
Waihee-Waiehu	2	(D)	(D)	(2/)
Wailea	15	17,035	1,590	34
Wailuku	35	18,388	4,600	116
Balance of Maui County	18	(D)	(D)	(4/)

D Withheld to avoid disclosing data for individual companies.

1/ Paid employees, pay period including March 12.

2/ 0 to 19 employees.

3/ 20 to 99 employees.

4/ 100 to 249 employees.

5/ 250 to 499 employees.

6/ Kalawao County which is located on the island of Molokai did not have any businesses in 2012.

Source: U.S. Census Bureau, *2012 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii* (January 2015) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2015.

**Table 21.30-- REAL ESTATE LICENSES, ACTIVE AND INACTIVE, BY TYPE  
OF LICENSE AND LOCATION: JANUARY 26, 2016**

[Real estate licenses are subject to renewal on or before December 31 of each even-numbered year. Date shown in table title is unpublished correction to the report title]

Type of license	Active	Inactive	Location 1/	Active	Inactive
Total	13,439	4,893	Total	13,439	4,893
Broker	5,750	684	Oahu	8,329	2,633
Individual	3,303	611	Hawaii	1,790	471
Sole owner	910	4	Maui	2,132	645
Corporation or partnership	779	36	Kauai	877	334
Limited liability corporation/ limited liability partnership	758	33	Molokai	35	8
Salesman	7,689	4,209	Lanai	11	6
			U.S. mainland	259	768
			Foreign	6	19
			Other	-	9

1/ Based on address of licensee.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Geographic Report (Current Licenses) as of January 26, 2016  
<[http://cca.hawaii.gov/pvl/files/2013/06/WebGeo\\_012616.pdf](http://cca.hawaii.gov/pvl/files/2013/06/WebGeo_012616.pdf)> accessed March 29, 2016.

**Table 21.31-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1988 TO 2015**

[For years 1988 to 2012, data include single family, condominium/cooperative, vacant, multi-family, commercial/industrial, and business opportunities. For 2013 and thereafter, data include only single family and condominium/cooperative listings]

<b>Year</b>	<b>Number listed</b>	<b>Number sold</b>	<b>Percent sold</b>	<b>Mean sales price (dollars)</b>
1988	14,548	9,886	68.0	201,000
1989	13,873	9,757	70.3	238,257
1990	17,097	9,243	54.1	319,500
1991	15,280	5,682	37.2	299,599
1992	13,421	5,509	41.0	292,342
1993	13,124	5,371	40.9	297,149
1994	12,655	5,759	45.5	297,428
1995	12,834	4,060	31.6	307,617
1996	12,147	3,896	32.1	300,494
1997	11,868	4,313	36.3	281,785
1998	11,721	5,351	45.7	269,839
1999	11,173	6,381	57.1	265,009
2000	11,797	7,404	62.8	278,814
2001	12,339	7,953	64.5	265,047
2002	13,967	9,695	69.4	286,594
2003	15,464	11,831	76.5	319,964
2004	17,817	13,110	73.6	388,954
2005	19,268	13,181	68.4	492,835
2006	18,905	10,823	57.2	545,137
2007	17,030	9,484	55.7	557,943
2008	16,060	6,936	43.2	563,993
2009	12,540	6,205	49.5	495,340
2010	13,165	7,187	54.6	537,945
2011	12,070	7,192	59.6	519,690
2012	10,746	7,760	72.2	547,816
2013	11,277	8,231	73.0	559,155
2014	12,134	8,379	69.1	588,544
2015	12,511	8,644	69.1	601,301

Source: Honolulu Board of Realtors, Multiple Listing Service records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.32-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, BY TYPE OF PROPERTY, FOR OAHU: 2013 TO 2015**

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Median	Mean
2013					
Total	11,277	8,231	73.0	448,401	559,155
Single family	4,722	1/ 3,318	70.3	650,000	1/ 805,659
Condominium/cooperative	6,555	1/ 4,913	75.0	1/ 331,000	1/ 392,678
Vacant land	(NA)	(NA)	(NA)	(NA)	(NA)
Multi-family	(NA)	(NA)	(NA)	(NA)	(NA)
Commercial/industrial	(NA)	(NA)	(NA)	(NA)	(NA)
Business opportunities	(NA)	(NA)	(NA)	(NA)	(NA)
2014					
Total	12,134	8,379	69.1	467,000	588,544
Single family	5,039	1/ 3,332	66.1	675,000	1/ 855,043
Condominium/cooperative	7,095	1/ 5,047	71.1	1/ 345,000	1/ 412,603
Vacant land	(NA)	(NA)	(NA)	(NA)	(NA)
Multi-family	(NA)	(NA)	(NA)	(NA)	(NA)
Commercial/industrial	(NA)	(NA)	(NA)	(NA)	(NA)
Business opportunities	(NA)	(NA)	(NA)	(NA)	(NA)
2015					
Total	12,511	8,644	69.1	490,000	601,301
Single family	4,996	3,500	70.1	700,000	874,535
Condominium/cooperative	7,515	5,144	68.4	360,000	415,391
Vacant land	(NA)	(NA)	(NA)	(NA)	(NA)
Multi-family	(NA)	(NA)	(NA)	(NA)	(NA)
Commercial/industrial	(NA)	(NA)	(NA)	(NA)	(NA)
Business opportunities	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Revised from previous *Data Book*.

Source: Honolulu Board of Realtors, Multiple Listing Service records.

**Table 21.33-- MULTIPLE LISTING SERVICE SINGLE FAMILY HOMES SOLD,  
BY SELLING PRICE RANGE, FOR OAHU: 2013 TO 2015**

<b>Selling price range</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
All properties	3,318	3,332	3,500
On leased land	(NA)	(NA)	(NA)
Percent	(NA)	(NA)	(NA)
Less than \$100,000	6	5	3
\$100,000 to \$149,999	16	4	4
\$150,000 to \$199,999	15	10	7
\$200,000 to \$249,999	28	20	30
\$250,000 to \$299,999	57	41	30
\$300,000 to \$349,999	64	59	53
\$350,000 to \$399,999	114	94	84
\$400,000 to \$449,999	210	158	126
\$450,000 to \$499,999	254	235	166
\$500,000 to \$549,999	287	267	271
\$550,000 to \$599,999	317	296	316
\$600,000 to \$649,999	283	318	324
\$650,000 to \$699,999	252	297	330
\$700,000 to \$799,999	407	404	503
\$800,000 to \$899,999	277	296	349
\$900,000 to \$999,999	165	202	203
\$1.0 to \$1.9 million	459	471	564
\$2.0 to \$2.9 million	64	95	80
\$3.0 to \$3.9 million	24	26	30
\$4.0 to \$4.9 million	6	18	10
\$5.0 million or more	13	16	17
Median value (dollars)	650,000	675,000	700,000
Mean value (dollars)	805,659	855,043	874,535

NA Not available.

Source: Honolulu Board of Realtors, Multiple Listing Service records.

**Table 21.34-- MULTIPLE LISTING SERVICE CONDOMINIUM AND  
COOPERATIVE UNITS SOLD, BY SELLING PRICE  
RANGE, FOR OAHU: 2014 TO 2015**

Selling price range	2014	2015		
		Total	Fee simple	Leasehold
All properties	5,047	5,144	4,722	422
Less than \$50,000	20	10	7	3
\$50,000 to \$74,999	44	44	43	1
\$75,000 to \$99,999	91	67	63	4
\$100,000 to \$124,999	90	106	100	6
\$125,000 to \$149,999	141	129	121	8
\$150,000 to \$174,999	198	163	148	15
\$175,000 to \$199,999	208	183	168	15
\$200,000 to \$224,999	266	143	129	14
\$225,000 to \$249,999	267	244	227	17
\$250,000 to \$274,999	359	294	265	29
\$275,000 to \$299,999	317	347	325	22
\$300,000 to \$349,999	563	704	635	69
\$350,000 to \$399,999	563	578	531	47
\$400,000 to \$449,999	447	506	468	38
\$450,000 to \$499,999	313	376	347	29
\$500,000 to \$599,999	450	513	475	38
\$600,000 to \$699,999	223	243	217	26
\$700,000 to \$799,999	149	178	160	18
\$800,000 to \$899,999	103	107	98	9
\$900,000 to \$999,999	55	71	63	8
\$1,000,000 or more	180	138	132	6
Median value (dollars)	345,000	360,000	(NA)	(NA)
Mean value (dollars)	412,603	415,391	(NA)	(NA)

NA Not available.

Source: Honolulu Board of Realtors, Multiple Listing Service records.

**Table 21.35-- MULTIPLE LISTING SERVICE, NUMBER OF SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY: 2000 TO 2015**

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
SINGLE FAMILY					
2000	6,226	3,153	1,549	515	1,009
2001	6,556	3,413	1,660	454	1,029
2002	7,380	3,885	1,932	538	1,025
2003	8,891	4,477	2,310	676	1,428
2004	9,395	4,749	2,692	698	1,256
2005	9,401	4,616	2,757	671	1,357
2006	7,567	3,928	2,084	477	1,078
2007	6,787	3,557	1,683	408	1,139
2008	5,031	2,694	1,148	284	905
2009	4,870	2,643	1,247	263	717
2010	5,660	2,977	1,510	358	815
2011	5,769	2,889	1,620	361	899
2012	6,087	3,113	1,611	424	939
2013	6,685	3,366	1,886	447	986
2014	2/ 6,699	2/ 3,400	1,885	467	947
2015	7,191	3,596	2,016	488	1,091
CONDOMINIUM					
2000	6,577	3,900	659	419	1,599
2001	6,559	4,231	562	359	1,407
2002	8,284	5,407	706	472	1,699
2003	10,620	7,110	956	535	2,019
2004	11,711	8,156	1,081	521	1,953
2005	11,938	8,041	1,166	673	2,058
2006	8,875	6,197	750	698	1,230
2007	7,426	5,428	519	295	1,184
2008	5,190	3,862	371	169	788
2009	4,827	3,497	328	161	841
2010	5,739	3,834	521	235	1,149
2011	5,980	3,929	605	289	1,157
2012	6,448	4,285	592	318	1,253
2013	7,203	4,868	645	351	1,339
2014	2/ 7,084	2/ 4,907	646	327	1,204
2015	7,371	5,146	662	364	1,199

1/ May differ from Honolulu Board of Realtors data used in other *Data Book* tables.

2/ Revised from previous *Data Book*.

Source: Locations Research, records.

**Table 21.36-- MULTIPLE LISTING SERVICE, MEDIAN SALES PRICE OF SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY: 2000 TO 2015**

[In dollars]

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
<b>SINGLE FAMILY</b>					
2000	260,000	298,000	175,000	255,000	275,000
2001	268,950	300,000	187,750	287,000	297,500
2002	310,000	335,000	193,500	327,750	375,000
2003	360,000	385,000	235,000	366,375	440,000
2004	440,000	465,000	290,000	498,925	560,000
2005	560,000	590,000	385,000	639,000	678,000
2006	599,133	630,000	421,250	675,000	690,000
2007	595,000	645,000	395,000	650,000	630,137
2008	560,000	625,000	345,000	615,000	575,000
2009	497,750	580,000	278,800	470,000	498,106
2010	488,000	600,000	260,000	497,500	460,000
2011	470,000	579,000	246,450	455,000	432,000
2012	500,000	625,000	260,000	458,750	470,000
2013	544,000	650,000	295,000	529,000	530,000
2014	575,000	675,000	315,000	533,000	570,000
2015	600,000	700,000	328,750	613,500	580,000
<b>CONDOMINIUM</b>					
2000	140,000	125,000	135,000	150,000	195,000
2001	145,000	132,000	139,500	162,500	197,000
2002	165,000	153,000	165,500	210,000	207,000
2003	185,000	175,000	185,000	287,000	241,000
2004	230,000	208,125	275,000	375,000	310,000
2005	299,000	269,000	369,500	435,000	385,000
2006	339,000	310,000	426,498	405,000	510,000
2007	350,000	325,000	394,900	565,000	550,000
2008	347,750	325,000	370,000	545,000	549,500
2009	319,000	305,000	276,550	330,000	450,000
2010	310,000	305,000	260,000	270,000	377,500
2011	290,000	300,000	212,500	237,000	310,000
2012	317,750	315,000	257,750	290,000	358,000
2013	333,000	332,000	250,000	310,000	374,000
2014	351,000	350,000	280,000	346,000	415,000
2015	363,000	360,000	275,000	360,500	410,000

1/ May differ from Honolulu Board of Realtors data used in other *Data Book* tables.

Source: Locations Research, records.

**Table 21.37-- HOME SALES, BY TYPE OF HOME: 2008 TO 2015**

Year	Number of homes			Average price of homes (dollars) 1/		
	Total	Single family	Condo-minium	Total	Single family	Condo-minium
2008	18,813	8,842	9,971	517,829	603,676	441,703
2009	16,188	8,384	7,804	466,218	530,231	397,448
2010	21,167	11,073	10,094	486,107	535,993	431,383
2011	17,092	7,626	9,466	470,407	570,928	389,425
2012	16,220	7,544	8,676	493,111	604,739	396,047
2013	17,834	8,068	9,766	541,872	682,282	425,876
2014	17,713	8,075	9,638	594,440	725,920	484,281
2015	19,355	8,227	11,128	592,447	755,414	471,964

1/ Calculated by dividing the total sales amount by the total number of sales.

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances and Title Guaranty; compilation and calculations by the Hawaii State Department of Business, Economic Development & Tourism as cited in DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter* <<http://dbedt.hawaii.gov/economic/qser>> accessed July 8, 2016.

**Table 21.38-- HOME SALES, BY ORIGIN OF BUYER: 2008 TO 2015**

Year	Number of homes			Average price of homes (dollars) 1/		
	Local buyers	Mainland buyers	Foreign buyers	Local buyers	Mainland buyers	Foreign buyers
2008	13,616	4,427	770	467,082	653,776	633,598
2009	11,426	4,163	599	422,650	528,042	867,617
2010	14,069	6,207	891	445,632	532,752	800,285
2011	11,889	4,349	854	433,611	507,601	793,250
2012	12,017	3,406	797	454,075	581,827	702,552
2013	13,378	3,775	681	494,544	663,508	797,359
2014	13,455	3,655	603	533,470	757,000	969,551
2015	15,077	3,698	580	546,146	751,210	783,774

1/ Calculated by dividing the total sales amount by the total number of sales.

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances and Title Guaranty; compilation and calculations by the Hawaii State Department of Business, Economic Development & Tourism as cited in DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter* <<http://dbedt.hawaii.gov/economic/qser>> accessed July 8, 2016.

**Table 21.39-- HOME SALES, BY ORIGIN OF BUYER,  
BY COUNTY: 2008-2015**

Subject	All buyers	Local buyers	Mainland buyers	Foreign buyers
Total number of home sales (for 8-year period of 2008 to 2015)				
Statewide	144,382	104,927	33,680	5,775
Honolulu County	88,756	75,202	10,340	3,214
Hawaii County	27,041	15,444	10,701	896
Kauai County	7,221	3,956	3,094	171
Maui County	21,364	10,325	9,545	1,494
Percentage of total sales				
Statewide	100.0	72.7	23.3	4.0
Honolulu County	100.0	84.7	11.6	3.6
Hawaii County	100.0	57.1	39.6	3.3
Kauai County	100.0	54.8	42.8	2.4
Maui County	100.0	48.3	44.7	7.0
Average home sale price (dollars) 1/ (for 8-year period of 2008 to 2015)				
Statewide	521,373	477,460	612,770	786,186
Honolulu County	540,207	521,441	593,744	807,064
Hawaii County	382,533	276,283	518,693	587,759
Kauai County	555,767	437,109	707,329	558,565
Maui County	607,232	473,505	708,202	886,329

1/ Calculated by dividing the total sales amount by the total number of sales.

Source: Hawaii State Department of Business, Economic Development & Tourism, "Residential Home Sales in Hawaii: Trends and Characteristics: 2008-2015" (May 2016) <[http://dbedt.hawaii.gov/economic/reports\\_studies/residential-home-sales-in-hawaii-trends-and-characteristics/](http://dbedt.hawaii.gov/economic/reports_studies/residential-home-sales-in-hawaii-trends-and-characteristics/)> accessed July 13, 2016.

**Table 21.40-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT:  
1993 TO 2015**

<b>Year</b>	<b>State total</b>	<b>First Circuit 1/</b>	<b>Second Circuit 2/</b>	<b>Third Circuit 3/</b>	<b>Fifth Circuit 4/</b>
1993	1,436	950	204	216	66
1994	1,578	1,022	240	222	94
1995	1,957	1,204	317	293	143
1996	2,800	1,828	464	352	156
1997	3,148	2,205	421	362	160
1998	3,626	2,662	422	359	183
1999	2,934	2,135	324	339	136
2000	2,153	1,591	228	251	83
2001	1,913	1,390	197	246	80
2002	948	624	110	151	63
2003	621	396	78	112	35
2004	437	283	51	80	23
2005	308	198	47	51	12
2006	453	266	59	105	23
2007	718	395	101	188	34
2008	1,363	666	254	359	84
2009	1,800	786	386	488	140
2010	1,300	611	280	316	93
2011	2,657	1,171	571	750	165
2012	3,188	1,505	678	860	145
2013	3,422	1,504	728	961	229
2014	2,084	1,026	397	543	118
2015	1,826	861	357	525	83

1/ City and County of Honolulu.

2/ Maui County includes Kalawao on Molokai.

3/ Hawaii County.

4/ Kauai County.

Source: The Judiciary, Office of the Administrative Director of the Courts, records.

**Table 21.41-- ELEVATORS, ESCALATORS, AND SIMILAR FACILITIES: 2009**

[As of December 31]

Facility	State total	Oahu	Hawaii		Maui	Molo-kai	Lanai	Kauai
			Hilo	Kona				
Total	6,485	5,007	194	305	691	5	22	261
Elevators	5,451	4,193	141	286	586	1	20	224
Hydro (Under 9 stories)	1,907	1,215	80	170	277	1	9	155
Roped:	3,544	2,978	61	116	309	-	11	69
Under 9 stories	1,668	1,199	50	116	238	-	11	54
9 to 18 stories	1,155	1,058	11	-	71	-	-	15
19 to 28 stories	407	407	-	-	-	-	-	-
29 to 38 stories	218	218	-	-	-	-	-	-
39 stories or more	96	96	-	-	-	-	-	-
Escalators & moving walks/ speed ramps	438	406	5	1	24	-	-	2
Inclined lifts	10	7	1	1	-	-	1	-
Private industrial elevators	36	2	-	1	19	-	-	14
Manlifts	8	6	-	1	-	1	-	-
Handicap/chairlifts	323	232	31	8	36	3	1	12
Dumbwaiters	219	161	16	7	26	-	-	9

Source: Hawaii State Department of Labor and Industrial Relations, Division of Occupational Safety and Health, Boiler and Elevator Inspection Bureau, records.

**Table 21.42-- TALLEST STRUCTURES, BY ISLAND: MARCH 2016**

Island and structure	Location	Year completed	Height	
			Stories	Feet
BUILDINGS 1/				
Hawaii Bayshore Towers	Hilo	1970	15	135
Maui The Whaler	Kaanapali	1975	12	170
Lanai Manele Hotel	Hulopoe Bay	1991	3	48
Molokai Molokai Light Station	Kalaupapa	1909	(NA)	138
Oahu 2/ First Hawaiian Center	999 Bishop Street	1996	27	3/ 430
Pacifica Honolulu	1009 Kapiolani Blvd.	2012	48	400
Kauai Marriott Resort & Beach Club	Lihue	1959	10	107
OTHER STRUCTURES				
Hawaii Coast Guard LORAN-C Transmitter 3/	Upolu Point (Hawi) 3/	3/ 1960	(X)	625
Maui (NA)	(NA)	(NA)	(NA)	(NA)
Lanai Storage tanks	Manele Harbor	(NA)	(X)	50
Molokai Aeronautical tower	West end of Molokai	(NA)	(X)	178
Oahu VLF Antenna	Lualualei	1972	(X)	1,503
Kauai Communication Engineers Tower	Mana	1964	(X)	400

NA Not available.

X Not applicable.

1/ Shown separately for the tallest in feet and also (if different) for the tallest in number of stories.

2/ Not shown are several 400 feet tall buildings with fewer than 47 stories.

3/ Revised from previous *Data Book*.

Source: County building departments.

## Section 22

# MANUFACTURES

This section presents statistics on the manufacturing segment of the economy, including sugar processing and pineapple canning. Additional information on manufacturing workers appears in Sections 12 and 15.

Sources for data on this subject include the *U.S. 2012 Economic Census*, the *U.S. Annual Survey of Manufactures*, publications of the Hawaii State Department of Agriculture and the Hawaii State Department of Taxation, and the *Hawaiian Sugar Manual* of the former Hawaiian Sugar Planters' Association, now the Hawaii Agriculture Research Center. *Historical Statistics of Hawaii*, Section 16, contains the figures for earlier years. Statistics for the nation as a whole appear in Section 21 of the *Statistical Abstract of the United States: 2012*.

**Table**  
**Number   Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#"><u>22.01</u></a>	Statistical Summary of Manufactures (NAICS 31-33): 2009 to 2014
<a href="#"><u>22.02</u></a>	Detailed Manufacturing Statistics (NAICS 31-33): 2007 and 2012
<a href="#"><u>22.03</u></a>	Statistical Summary of Manufacturing (NAICS 31-33), by County: 2012
<a href="#"><u>22.04</u></a>	Manufacturing, by Selected Industry Group (NAICS 31-33): 2014
<a href="#"><u>22.05</u></a>	Manufacturing, Employment and Wages (NAICS 31-33), by Selected NAICS Code: 2014
<a href="#"><u>22.06</u></a>	General Excise Tax Base for Manufacturing: 1987 to 2015
<a href="#"><u>22.07</u></a>	25 Largest Industrial and High-Technology Parks, by Island: 2010 to 2013
<a href="#"><u>22.08</u></a>	Pineapple Companies and Canneries, and Sugar Companies and Mills, 1955 to 2015; and by Island, 2015
<a href="#"><u>22.09</u></a>	Sugar and Molasses Production: 1991 to 2015
<a href="#"><u>22.10</u></a>	Value of Sales for Pineapple and Sugar Production: 1990 to 2011

**Table 22.01-- STATISTICAL SUMMARY OF MANUFACTURES  
(NAICS 31-33): 2009 TO 2014**

[In millions of dollars unless otherwise noted. Industry groups with 950 employees or more.  
Statistics based on the 2012 North American Industry Classification System (NAICS)]

Subject	2009	2010	2011	2012	2013	2014
All employees						
Number (1,000)	11.6	10.7	10.7	11.4	1/ 10.9	11.6
Payroll	445.9	429.6	431.0	465.0	1/ 471.4	533.8
Production workers						
Number (1,000)	7.3	6.8	6.7	7.4	6.9	7.6
Hours	13.9	13.0	12.9	13.6	13.4	13.9
Wages	239.6	238.1	232.3	258.0	268.0	309.6
Value added by manufacture	1,688.0	1,391.4	1,456.6	1,101.0	1/ 1,138.2	1,014.2
Cost of materials 2/	4,239.1	5,044.0	6,353.3	6,740.8	1/ 5,282.6	5,029.7
Value of shipments 2/	5,928.6	6,399.1	7,694.5	(D)	1/ 6,435.6	6,295.7
Total capital expenditures	85.6	75.0	101.3	108.4	103.7	115.6

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

1/ Revised from previous *Data Book*.

2/ Aggregate of total cost of materials and total value of shipments includes extensive duplication, since products of some industries are used as materials of others.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics, 2009*

<[http://factfinder.census.gov/servlet/IBQTable?\\_bm=y&-ds\\_name=AM0931AS101&-geo\\_id=04000US15&-search\\_results=01000US&-\\_lang=en](http://factfinder.census.gov/servlet/IBQTable?_bm=y&-ds_name=AM0931AS101&-geo_id=04000US15&-search_results=01000US&-_lang=en)> accessed April 12, 2011; Ibid, 2010 (November 2011)

<[http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ASM\\_2010\\_31AS101&prodType=table](http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ASM_2010_31AS101&prodType=table)> accessed March 29, 2012; Ibid, 2011 (November 2012) <[http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ASM\\_2010\\_31AS101&prodType=table](http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ASM_2010_31AS101&prodType=table)> accessed June 26, 2013; U.S. Census Bureau, *Annual Survey of Manufacturers: AM1431AS101*, "Geographic Area Series: Statistics for All Manufacturing by State: 2014, 2013, and 2012" <[http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ASM\\_2014\\_31AS101&prodType=table](http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ASM_2014_31AS101&prodType=table)> accessed April 6, 2016.

**Table 22.02-- DETAILED MANUFACTURING STATISTICS  
(NAICS 31-33): 2007 AND 2012**

[Statistics based on the 2012 North American Industry Classification System (NAICS)]

Item	Year	
	2007	2012
Companies 1/	942	764
All establishments 2/	984	796
0 to 19 employees	813	670
20 to 99 employees	148	104
100 employees or more	23	22
All employees 3/	14,127	11,440
Total compensation (\$1,000)	674,489	602,703
Annual payroll	511,486	465,024
Total fringe benefits	163,003	137,679
Employer cost for health insurance (\$1,000)	51,348	51,919
Production workers, average for year	9,487	7,396
Pay period including March 12	9,671	7,374
Pay period including June 12	9,478	7,355
Pay period including September 12	9,416	7,412
Pay period including December 12	9,383	7,443
Production-worker hours (1,000)	17,480	13,640
Production-worker wages (\$1,000)	294,394	257,974
Total cost of materials (\$1,000)	5,812,515	6,740,826
Materials, parts, containers, packaging, etc., used	5,010,642	5,975,005
Resales	632,000	570,928
Purchased fuels	98,510	121,202
Purchased electricity	32,373	43,758
Contract work	38,990	29,933
Quantity of electricity purchased for heat and power (1,000 kWh)	193,390	129,712
Quantity of electricity generated (1,000 kWh)	454,207	(D)
Quantity of electricity sold or transferred (1,000 kWh)	(D)	(D)
Total value of shipments (\$1,000)	8,799,266	(D)
Value of resales	730,979	645,048
Value added (\$1,000)	3,013,731	1,101,021

Continued on next page.

**Table 22.02-- DETAILED MANUFACTURING STATISTICS  
(NAICS 31-33): 2007 AND 2012 -- Con.**

Item	Value	
	2007	2012
Total inventories, beginning of year (\$1,000)	761,942	781,501
Finished goods	485,768	(D)
Work-in-process	(D)	(D)
Materials and supplies	(D)	188,586
Total inventories, end of year (\$1,000)	776,859	1,025,186
Finished goods	542,393	390,834
Work-in-process	69,898	403,979
Materials and supplies	164,568	230,373
Gross value of depreciable assets (acquisition costs) at beginning of year (\$1,000)	1,788,164	2,698,293
Total capital expenditures (new and used)	86,735	108,404
Buildings and other structures	15,982	12,834
Machinery and equipment	70,753	95,570
Automobiles, trucks, etc., for highway use	6,713	5,922
Computers and peripheral data processing equipment	8,606	5,513
All other expenditures for machinery and equipment	55,434	84,135
Total retirements	88,206	26,143
Gross value of depreciable assets at end of year (\$1,000)	1,786,693	2,780,554
Depreciation charges during year (\$1,000)	83,345	160,578
Total rental payments (\$1,000)	49,759	60,822
Buildings and other structures	31,654	47,139
Machinery and equipment	18,105	13,683

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

1/ For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

2/ Includes establishments with payroll at any time during the year.

3/ Average number of production workers for pay period that includes the 12th of March, June, September, and December plus other employees for payroll period that includes the 12th of March.

Source: 2007 Economic Census: EC0731A2, "Manufacturing, Geographic Area Series, Detailed Statistics for the State: 2007" (April 2010) <[http://www.census.gov/econ/census07/www/get\\_data.html](http://www.census.gov/econ/census07/www/get_data.html)> accessed June 9, 2010; 2012 Economic Census: EC1231A2, "Manufacturing, Geographic Area Series, Detailed Statistics for the State: 2012" (June 2015) <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/31A2/0400000US15/naics~31-33](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/31A2/0400000US15/naics~31-33)> accessed July 1, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 22.03-- STATISTICAL SUMMARY OF MANUFACTURING  
(NAICS 31-33), BY COUNTY: 2012**

[For the State, industries with 100 employees or more; for the counties, industries with 500 employees or more. Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>Subject</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii</b>	<b>Maui</b>	<b>Kauai</b>
All establishments 1/ With 20 employees or more	796 126	544 106	112 13	99 7	41 -
All employees					
Number	11,440	9,076	1,182	997	185
Payroll (\$1,000)	465,024	370,762	46,354	41,107	6,801
Production workers					
Number	7,396	5,836	823	623	114
Hours (1,000)	13,640	10,715	1,463	1,261	201
Wages (\$1,000)	257,974	201,848	26,236	25,641	4,249
Value added by manufacture (\$1,000)	1,101,021	761,410	145,838	172,964	20,809
Cost of materials 2/ (\$1,000)	6,740,826	6,486,422	133,398	104,138	16,868
Value of shipments 2/ (\$1,000)	(D)	(D)	283,326	(D)	(D)
Total capital expenditures (\$1,000)	108,404	84,849	10,304	12,318	933

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

1/ Includes establishments with payroll at any time during the year.

2/ Aggregate of cost of materials and value of shipments include extensive duplication since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 2012 Economic Census: EC1231A1, "Manufacturing, Geographic Area Series, Industry Statistics for the States, Metropolitan and Micropolitan Statistical Areas, Counties, and Places: 2012" (June 2015) <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/31A1/0400000US15|0400000US15.05000/naics~31-33](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/31A1/0400000US15|0400000US15.05000/naics~31-33)> accessed July 6, 2015.

**Table 22.04-- MANUFACTURING, BY SELECTED INDUSTRY GROUP  
(NAICS 31-33): 2014**

[Industry groups with 950 employees or more. Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>Subject</b>	<b>Total</b>	<b>Food NAICS 311</b>	<b>Food, bakeries &amp; tortilla NAICS 3118</b>	<b>Printing &amp; related support NAICS 323</b>	<b>Printing &amp; related support NAICS 3231</b>	<b>Non- metallic mineral NAICS 327</b>
All employees						
Number	11,648	5,024	2,217	608	608	892
Payroll (\$1,000)	533,841	187,920	72,370	25,882	25,882	55,325
Production workers						
Number	7,622	3,145	1,397	424	424	690
Hours (1,000)	13,873	5,346	1,831	869	869	1,568
Wages (\$1,000)	309,623	103,024	42,280	16,457	16,457	40,258
Total cost of materials (\$1,000) 1/	5,029,738	638,729	122,471	54,749	54,749	122,509
Total value of shipments (\$1,000) 1/	6,295,696	1,222,494	289,583	(D)	(D)	(D)
Value added (\$1,000)	1,014,207	592,627	165,674	82,166	82,166	186,963

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

1/ Aggregate of total cost of materials and total value of shipments includes extensive duplication, since products of some industries are used as materials of others.

Source: U.S. Census Bureau, Annual Survey of Manufactures: AM1431AS101: Geographic Area Statistics: Statistics for All Manufacturing by State: 2014 <<http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=bkmk>> accessed April 8, 2016.

**Table 22.05-- MANUFACTURING, EMPLOYMENT AND WAGES  
(NAICS 31-33), BY SELECTED NAICS CODE: 2014**

[Includes only establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wages per employee
	Total	930	13,890	573,292	41,274
311	Food	297	6,605	197,491	29,901
3112	Grain and Oilseed milling	3	48	1,694	35,549
3113	Sugar & confectionery product	21	820	30,967	37,745
3114	Fruit & vegetable preserving & specialty	17	362	10,044	27,726
3115	Dairy product	14	379	16,499	43,552
3116	Animal slaughtering & processing	18	439	14,947	34,075
3118	Bakeries & tortilla	136	2,580	65,543	25,404
3119	Other food	84	1,936	56,874	29,376
312	Beverage and tobacco product	27	914	43,311	47,382
3121	Beverage	27	914	43,311	47,382
314	Textile product mills	28	177	6,319	35,633
3141	Textile furnishings mills	8	111	4,391	39,439
3149	Other textile product mills	20	66	1,928	29,212
315	Apparel	59	497	14,303	28,793
3212	Plywood & engineered wood product	5	90	2,923	32,627
322	Paper	4	52	2,772	53,385
3222	Converted paper product	4	52	2,772	53,385
323	Printing & related support activities	105	799	28,747	35,975
3231	Printing & related support activities	105	799	28,747	35,975
324	Petroleum and coal products	7	475	54,797	115,282
325	Chemical	33	377	18,498	49,066
3251	Basic chemical	7	119	7,294	61,082
3254	Pharmaceutical and medicine	4	98	5,528	56,645
326	Plastics & rubber products	20	306	13,694	44,813
327	Nonmetallic mineral product	52	881	57,353	65,093
3271	Clay product and refractory	4	29	639	22,157
3272	Glass and glass product	8	37	964	26,114
3273	Cement & concrete product	25	699	50,383	72,122
3279	Other nonmetallic mineral products	16	117	5,367	45,968
332	Fabricated metal product	43	312	17,544	56,200
3323	Architectural and structural metals	30	220	11,526	52,432
334	Computer & electronic product	12	186	13,975	74,969

Continued on next page.

**Table 22.05-- MANUFACTURING, EMPLOYMENT AND WAGES  
(NAICS 31-33), BY SELECTED NAICS CODE: 2014 -- Con.**

<b>NAICS code</b>	<b>Kind of business</b>	<b>Average establishments</b>	<b>Annual average employment</b>	<b>Total annual wages (\$1,000)</b>	<b>Annual wages per employee</b>
336	Transportation equipment	27	739	45,855	62,078
3366	Ship & boat building	20	712	44,366	62,275
337	Furniture & related product	52	351	15,776	45,000
3371	Household and institutional furniture	41	257	11,130	43,322
339	Miscellaneous	130	862	29,400	34,107
3391	Medical equipment & supplies	33	177	6,582	37,276
3399	Other miscellaneous	97	685	22,818	33,290

Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages, "Private, All Industry Aggregations, Hawaii 2014 Annual Averages, All Establishment Sizes"  
<[http://www.bls.gov/cew/apps/table\\_maker/v4/table\\_maker.htm#type=11&year=2014&qtr=A&own=5&area=15000&supp=0](http://www.bls.gov/cew/apps/table_maker/v4/table_maker.htm#type=11&year=2014&qtr=A&own=5&area=15000&supp=0)> accessed July 10, 2015.

**Table 22.06-- GENERAL EXCISE TAX BASE FOR MANUFACTURING:  
1987 TO 2015**

[In thousands of dollars. Data exclude sugar processing, pineapple canning, and petroleum refining, and are on a cash basis accounting. Manufactured goods shipped out of State were exempted from the general excise tax by Act 239, SLH 1987, effective January 1, 1988. Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to income received in the 12-month period ending November 30]

<b>Year</b>	<b>Tax base</b>	<b>Year</b>	<b>Tax base</b>	<b>Year</b>	<b>Tax base</b>
1987	595,140	1997	581,259	2007	766,208
1988	629,303	1998	535,371	2008	795,352
1989	630,997	1999	585,305	2009	752,237
1990	728,387	2000	586,039	2010	708,787
1991	714,407	2001	611,292	2011	695,442
1992	714,470	2002	612,658	2012	646,969
1993	717,423	2003	638,863	2013	655,222
1994	618,238	2004	642,245	2014	701,988
1995	614,771	2005	738,573	2015	750,372
1996	622,889	2006	781,626		

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual) and as revised. Beginning in 1997, <[http://tax.hawaii.gov/stats/a5\\_3txcolrptarchive/](http://tax.hawaii.gov/stats/a5_3txcolrptarchive/)> accessed April 8, 2016.

**Table 22.07-- 25 LARGEST INDUSTRIAL AND HIGH-TECHNOLOGY  
PARKS, BY ISLAND: 2010 TO 2013**

[The 2014-2015 *Book of Lists* does not include Industrial & Technology Parks]

Subject	State total	Hawaii	Maui	Molokai	Oahu	Kauai
2010						
Number of parks	25	4	5	1	13	2
Total acres	4,983.52	1,864.22	777.30	16.50	2,256.50	69.00
Developed acres	2,932.10	569.50	205.30	6.70	2,081.60	69.00
Number of tenants 1/	1,125	207	20	(NA)	883	15
Number of owners 2/	537	111	194	9	213	10
2011						
Number of parks	25	4	5	1	13	2
Total acres	4,753.38	1,864.00	701.30	16.50	2,102.58	69.00
Developed acres	2,917.68	609.00	251.30	6.70	1,981.68	69.00
Number of tenants 3/	733	216	20	(NA)	482	15
Number of owners 4/	438	111	145	9	163	10
2012						
Number of parks	25	4	5	1	13	2
Total acres	4,748.88	1,864.00	701.30	16.50	2,098.08	69.00
Developed acres	2,927.38	614.00	251.30	(NA)	1,993.08	69.00
Number of tenants 3/	721	212	20	(NA)	474	15
Number of owners 5/	377	111	90	(NA)	166	10
2013 6/						
Number of parks	25	4	5	1	13	2
Total acres	4,907.20	1,864.00	701.30	16.50	2,256.40	69.00
Developed acres	3,021.70	614.00	251.30	(NA)	2,087.40	69.00
Number of tenants 7/	691	212	20	(NA)	444	15
Number of owners 5/	408	111	90	(NA)	197	10

NA Not available.

1/ Data on number of tenants not available for 8 parks: 4 on Maui, 1 on Molokai, 2 on Oahu and 1 on Kauai.

2/ Data on number of owners not available for 3 parks: 1 on Maui, 1 on Oahu and 1 on Kauai.

3/ Data on number of tenants not available for 9 parks: 4 on Maui, 1 on Molokai, 3 on Oahu and 1 on Kauai.

4/ Data on number of owners not available for 7 parks: 2 on Maui, 4 on Oahu and 1 on Kauai.

5/ Data on number of owners not available for 9 parks: 3 on Maui, 1 on Molokai, 4 on Oahu and 1 on Kauai.

6/ Data revised from original list published in Vol. 51, No. 33 (October 11, 2013), p. 18.

7/ Data on number of tenants not available for 10 parks: 4 on Maui, 1 on Molokai, 4 on Oahu and 1 on Kauai.

Source: *Pacific Business News*, Vol. 47, No. 46 (January 8, 2010), p. 15; Vol. 48, No. 47 (January 14, 2011), p. 16; Vol. 50, No. 32 (October 5, 2012), p. 18; Vol. 51, No. 33 (October 11, 2013), p. 18; and *Book of Lists* (2014) Vol. 51, No. 43 (December 20, 2013), p. 76.

**Table 22.08-- PINEAPPLE COMPANIES AND CANNERIES, AND SUGAR COMPANIES AND MILLS, 1955 TO 2015; AND BY ISLAND: 2015**

Year	Pineapple (end of canning season)		Sugar (December 31)	
	Companies	Canneries	Companies 1/	Mills
1955	10	8	28	26
1960	8	9	27	27
1965	6	6	25	27
1970	4	4	23	26
1975	3	3	16	17
1980	3	3	15	14
1985	3	2	14	12
1990	4	2	12	12
1995	3	1	8	10
2000	3	1	3	4
2005	3	1	2	2
2006	3	1	2	2
2007	2	-	2	2
2008	2	-	2	2
2009	2	-	1	1
2010	2/ 2	-	1	1
2011	2/ 2	-	1	1
2012	2/ 2	-	1	1
2013	2/ 2	-	1	1
2014	2/ 2	-	1	1
2015	2/ 2	-	1	1
ISLAND: 2015				
Hawaii	-	-	-	-
Maui	2/ 1	-	1	1
Oahu	2/ 1	-	-	-
Kauai	-	-	-	-

1/ In operation; excludes cooperatives.

2/ Includes Dole Food Company Hawaii & Haliimaile Pineapple Company, might exclude smaller diversified farms.

Source: Pineapple Growers Association of Hawaii, records; *Hawaiian Sugar Manual* (annual); Dole Food Company, records; Hawaii Agriculture Research Center, records; and Hawaiian Commercial & Sugar Company, records.

**Table 22.09-- SUGAR AND MOLASSES PRODUCTION: 1991 TO 2015**

Year	Cane land (acres)		Cane used for sugar (short tons)	Sugar produced (short tons)		Molasses produced (short tons)
	Total area	Harvested area 1/		96° raw value	Equivalent refined	
1991	155,609	67,716	5,852,668	724,100	676,744	202,214
1992	145,790	62,123	5,432,286	652,304	609,643	203,739
1993	121,322	64,705	5,506,072	677,405	633,103	211,658
1994	98,413	64,951	5,268,859	658,538	615,470	200,835
1995	81,957	48,507	3,952,347	492,346	460,147	163,305
1996	68,816	36,769	3,542,460	437,262	408,665	145,369
1997	67,820	32,033	2,923,594	356,917	333,575	131,173
1998	67,585	30,347	2,725,744	353,893	330,748	125,909
1999	60,758	35,329	2,891,499	367,532	343,495	141,481
2000	43,821	30,194	2,364,357	301,165	281,469	101,329
2001	50,410	19,293	1,876,613	246,203	230,101	85,894
2002	47,476	21,311	2,108,810	270,084	252,421	89,885
2003	47,733	19,851	2,029,761	261,009	243,939	89,631
2004	43,465	21,790	1,978,821	257,866	241,002	80,466
2005	40,145	21,735	1,754,581	252,342	235,839	72,675
2006	42,080	20,413	1,614,691	213,185	199,243	65,505
2007	41,762	20,385	1,492,357	206,008	192,535	62,231
2008	39,663	20,426	1,422,296	185,171	173,061	62,278
2009	39,812	20,244	2/ 973,876	176,208	164,684	2/ 40,631
2010	34,693	15,488	1,195,345	171,949	160,704	50,161
2011	35,532	15,063	1,286,373	182,582	169,801	51,106
2012	36,746	15,867	1,259,453	178,549	166,872	49,300
2013	35,556	15,443	1,351,087	191,351	178,837	53,365
2014	35,556	14,193	1,261,235	161,525	172,828	51,615
2015	35,556	12,907	1,146,996	137,556	137,556	45,605

1/ The average growth of a crop is 22 to 26 months. Only a portion of the total acreage in cane is harvested each year.

2/ Gay & Robinson data not available.

Source: Hawaiian Sugar Planters' Association, *Hawaiian Sugar Manual* (annual), and records; Hawaii Agriculture Research Center, records; and Hawaiian Commercial & Sugar Company, records.

**Table 22.10-- VALUE OF SALES FOR PINEAPPLE AND SUGAR PRODUCTION:  
1990 TO 2011**

[In millions of dollars]

Year	Pineapple		Sugar	
	Canned fruit and juices 1/	Fresh market sales 2/	Raw sugar 96°	Commercial molasses
1990	161.6	54.3	319.0	9.9
1991	172.7	51.9	261.0	9.7
1992	141.8	55.9	229.2	8.4
1993	86.6	54.0	242.9	9.0
1994	81.1	53.0	239.2	8.7
1995	72.5	62.5	190.5	9.7
1996	78.2	68.8	160.8	8.0
1997	73.0	63.7	127.5	5.0
1998	81.3	63.8	130.3	2.8
1999	72.3	72.5	129.5	1.8
2000	60.8	71.4	93.1	2.8
2001	67.7	68.9	86.4	4.2
2002	71.0	73.0	95.9	4.4
2003	64.4	78.5	95.9	3.1
2004	57.3	65.9	91.7	2.4
2005	49.8	63.6	87.9	4.6
2006	(NA)	60.5	74.8	4.9
2007	(NA)	(D)	70.9	5.4
2008	(NA)	(D)	66.1	5.3
2009	(D)	(D)	65.8	7.8
2010	(D)	(D)	104.2	5.4
2011	(D)	(D)	116.8	8.4

NA Not available.

D Data not shown separately to avoid disclosure of individual operations.

1/ Value of canned fruit and juices and by-product shipped out-of-State and sold within State.

2/ Includes "fresh cut". Prior to 2005, value FAS shipping point for outshipments, delivered wholesalers local sales.

Source: USDA National Agricultural Statistics Service, Hawaii Annual Statistics Bulletin (annual)  
<[http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Annual\\_Statistical\\_Bulletin/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp)>  
accessed June 17, 2013; and records.

## Section 23

# DOMESTIC TRADE AND SERVICES

This section presents statistics relating to retail and wholesale trade; hotels; and selected personal, business, automotive, repair, and amusement services, including the motion picture industry. Related data are included in Sections 7, 12, 14 and 15.

The major sources of these data are the U.S. Census Bureau, *2012 Economic Census, Geographic Area Series*, Retail Trade, Wholesale Trade, and all others relating to the services industry. Statistics on the retailing, wholesaling, and services tax bases are available from the Hawaii State Department of Taxation. Data on hotel room counts, occupancy and other characteristics are published by the Hawaii Tourism Authority's Tourism Research. Hawaii Film Office of the Hawaii State Department of Business, Economic Development & Tourism compiles data on motion picture and television production. A summary of figures on trade and services in earlier years appears in *Historical Statistics of Hawaii*, Section 20. The *Statistical Abstract of the United States: 2012*, Section 22 and 27, presents similar data for other states and the nation as a whole.

**Table**  
**Number**   **Table Name**

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**Table 23.01-- GENERAL EXCISE TAX BASE FOR TRADE AND SERVICE  
ACTIVITIES: 1985 TO 2015**

[In thousands of dollars. Data are on a cash basis accounting]

<b>Year reported 1/</b>	<b>Retailing</b>	<b>Services 2/</b>	<b>Amusement, etc. 3/</b>	<b>Intermediary services</b>	<b>Wholesaling</b>
1985	8,499,254	2,481,669	154,830	116,300	4,095,220
1986	9,239,373	2,784,169	159,881	127,992	4,443,166
1987	9,449,673	2,896,159	157,824	148,557	5,188,215
1988	10,385,974	3,287,715	165,729	182,138	5,683,815
1989	11,607,779	3,699,003	184,154	189,018	6,595,569
1990	12,827,883	4,276,876	201,003	349,111	7,494,330
1991	13,398,382	4,888,164	209,128	451,078	7,722,752
1992	13,846,332	5,032,682	229,091	247,850	7,498,621
1993	13,976,048	5,092,654	226,443	218,173	7,646,215
1994	14,569,798	5,270,844	238,195	265,755	7,622,366
1995	15,050,113	5,351,079	233,843	264,193	7,808,103
1996	16,091,429	5,618,027	246,232	292,250	8,153,155
1997	15,973,955	5,414,691	229,802	283,064	8,101,894
1998	15,730,858	5,545,001	232,288	320,845	8,030,448
1999	15,957,379	5,647,648	220,959	298,815	8,059,260
2000	17,453,936	6,045,695	253,484	378,574	9,082,585
2001	17,823,297	6,426,452	249,098	322,183	9,171,140
2002	17,873,487	6,831,646	265,334	331,944	9,288,532
2003	18,835,041	7,296,759	260,651	352,614	9,714,281
2004	21,049,652	8,108,248	288,658	312,781	11,017,918
2005	23,233,246	9,206,858	292,734	388,457	11,920,729
2006	23,997,010	9,967,208	301,779	606,071	12,687,800
2007	26,448,776	11,197,746	343,395	681,671	13,903,196
2008	25,498,526	11,199,610	342,329	645,963	13,400,692
2009	23,567,451	10,993,980	333,223	582,781	11,939,742
2010	24,298,654	11,356,344	353,686	556,594	12,165,086
2011	27,750,265	12,460,801	388,277	590,955	14,157,437
2012	29,976,425	12,898,627	399,355	676,615	14,687,369
2013	29,667,015	13,341,442	391,118	614,317	14,795,784
2014	30,766,185	13,527,677	398,887	689,539	15,282,809
2015	31,062,710	13,989,090	397,833	723,071	14,793,349

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

2/ Includes both business and professional services but excludes hotels, theater, amusement, broadcasting, and intermediary services.

3/ Theater, amusement, radio, etc.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release). See also <[http://files.hawaii.gov/tax/stats/monthly/2015cy-ge\\_rev.pdf](http://files.hawaii.gov/tax/stats/monthly/2015cy-ge_rev.pdf)> accessed April 4, 2016.

**Table 23.02-- RETAIL ESTABLISHMENTS, BY PAYROLL STATUS:  
1972 TO 2012**

[Coverage has differed somewhat from census to census. Statistics currently based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

Year	Number of establishments			Sales (million dollars)		
	Total	With payroll	Without payroll	Total	With payroll	Without payroll
Old definition						
1972	6,392	4,491	1,901	1,865	1,820	45
1977	7,388	5,273	2,115	3,294	3,223	71
1982	8,917	6,139	2,778	5,193	5,102	92
1987	11,143	7,195	3,948	8,267	8,084	183
1992	13,185	7,807	5,378	11,510	11,250	260
1997	17,478	7,860	9,618	13,638	13,299	339
New definition 1/						
1997	14,098	5,088	9,010	11,628	11,318	310
2002	13,719	4,924	8,795	13,362	13,008	354
2007	14,535	5,012	9,523	18,062	17,612	450
2012	14,155	4,643	9,512	19,331	18,902	430

1/ Excludes food services (eating and drinking places), included in earlier censuses.

Source: U.S. Census Bureau, *1972 Census of Retail Trade, Hawaii*, RC72-A-12 (July 1974), table 1; *1977 Census of Retail Trade, Hawaii*, RC77-A-12 (June 1979), table 1; *1982 Census of Retail Trade, Hawaii*, RC82-A-12 (September 1984), table 1; *1987 Census of Retail Trade, Hawaii*, RC87-A-12 (May 1989), table 1, and *Nonemployer Statistics Series, West*, RC87-N-4 (February 1990), table 2; *1992 Census of Retail Trade, Hawaii*, RC92-A-12 (October 1994), table 1, and *Nonemployer Statistics Series, Summary*, RC92-N-1 (February 1995), table 3; *1997 Economic Census, Retail Trade, Hawaii*, EC97R44A-HI (November 1999), table 1; *1997 Economic Census Accommodation and Foodservices*, EC97R72A-HI (October 1999), table 1; *1997 Economic Census, Nonemployer Statistics*, EC97X-CS4 (January 2001), table 2; *2002 Economic Census, Retail Trade, Geographic Area Series, Hawaii*, EC02-44A-HI, (January 2005), table 1; *2002 Economic Census, Nonemployer Statistics, Hawaii*, <<http://www.census.gov/epcd/nonemployer/2002/hi/HI000.HTM>> accessed February 2, 2005; *2007 Economic Census, Sector 44: EC0744A1: Retail Trade: Geographic Area Series: Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2007* <[http://factfinder.census.gov/servlet/IBQTable?\\_bm=y&-geo\\_id=04000US15&-ds\\_name=EC0744A1&-\\_lang=en](http://factfinder.census.gov/servlet/IBQTable?_bm=y&-geo_id=04000US15&-ds_name=EC0744A1&-_lang=en)> accessed January 21, 2010; and *Nonemployer Statistics, Hawaii*, 2007 Retail Trade Hawaii <[http://www.census.gov/epcd/nonemployer/2007/hi/HI000\\_44.HTM](http://www.census.gov/epcd/nonemployer/2007/hi/HI000_44.HTM)> accessed January 21, 2010; 2012 Economic Census, Sector 44-45: EC1244A1: Retail Trade: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/44A1/0400000US15/naics~44-45](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/44A1/0400000US15/naics~44-45)> accessed June 10, 2015; and *Nonemployer Statistics, Hawaii*, 2012 Retail Trade Hawaii <<http://www.census.gov/econ/nonemployer/index.html>> accessed June 10, 2015.

**Table 23.03-- CHARACTERISTICS OF RETAIL ESTABLISHMENTS  
(NAICS 44-45) WITH PAYROLL, BY BROAD GEOGRAPHIC AREA: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

<b>Subject</b>	<b>State total</b>	<b>Oahu</b>	<b>Other islands</b>
Number of establishments	4,643	2,889	1,754
Sales (\$1,000)	18,901,745	13,036,448	5,865,297
Annual payroll (\$1,000)	1,835,021	1,233,102	601,919
First quarter payroll (\$1,000)	451,327	303,670	147,657
Paid employees for pay period including March 12	68,360	46,165	22,195

Source: U.S. Census Bureau, 2012 Economic Census, Sector 44-45: EC1244A1: Retail Trade: Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012  
<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/44A1/0400000US15|0400000US15.05000/naics~44-45](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/44A1/0400000US15|0400000US15.05000/naics~44-45)> accessed May 22, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.04-- RETAIL ESTABLISHMENTS (NAICS 44-45), BY COUNTY AND  
SELECTED PLACE: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	4,643	18,901,745	1,835,021	68,360
Hawaii County	648	2,390,830	241,327	9,084
Captain Cook	9	30,185	3,599	128
Hilo	228	969,620	101,573	3,849
Holualoa	12	15,027	795	32
Honaunau-Napoopoo	4	3,571	371	18
Kahaluu-Keauhou	7	41,578	4,287	166
Kailua	145	526,481	60,443	2,239
Kalaoa	30	304,739	21,134	570
Mountain View	4	6,210	384	22
Waikoloa Village	14	23,524	2,110	68
Waimea	28	97,106	9,167	350
Balance of Hawaii County 2/	167	372,789	37,464	1,642
Honolulu County	2,889	13,036,448	1,233,102	46,165
Aiea	45	100,683	9,842	477
East Honolulu	55	343,330	27,898	962
Ewa Beach	12	50,966	5,181	373
Ewa Gentry	7	30,166	2,802	128
Halawa	16	18,589	1,569	64
Haleiwa	34	92,528	9,964	398
Hauula	3	3,613	332	24
Kahaluu	3	4,187	400	26
Kailua	96	322,096	32,694	1,388
Kaneohe	119	481,466	46,461	1,597
Kaneohe Station	6	6,899	840	26
Kapolei	21	373,649	27,470	1,067
Laie	8	34,426	3,475	178
Maili	6	8,156	534	30
Makakilo	5	(D)	(D)	(3/)
Mililani Mauka	5	(D)	(D)	(4/)
Mililani Town	34	253,019	25,466	974
Nanakuli	14	39,270	3,101	171
Ocean Pointe	6	31,571	809	43
Pearl City	65	672,495	49,906	2,081
Pupukea	9	21,976	2,537	110
Royal Kunia	8	101,689	11,686	458

Continued on next page.

**Table 23.04-- RETAIL ESTABLISHMENTS (NAICS 44-45), BY COUNTY AND  
SELECTED PLACE: 2012 -- Con.**

<b>Geographic Area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County - Con.				
Schofield Barracks	5	6,578	842	39
Urban Honolulu	1,851	7,684,234	748,593	26,485
Wahiawa	43	114,150	10,338	461
Waialua	9	13,121	983	46
Waianae	20	120,609	9,669	430
Waikele	53	274,822	25,986	1,614
Waimalu	115	429,286	44,100	2,144
Waimanalo	10	22,974	2,281	87
Waimanalo Beach	4	6,170	537	31
Waipahu	106	866,132	76,833	2,248
Waipio	15	54,655	4,562	164
Balance of Honolulu County 2/	81	(D)	(D)	(D)
Kalawao County	1	(D)	(D)	(3/)
Kalawao County	1	(D)	(D)	(3/)
Kauai County	347	1,013,489	102,373	3,937
Hanamaulu	6	8,086	625	44
Hanapepe	10	14,603	2,061	61
Kalaheo	9	11,670	838	31
Kapaa	50	137,980	14,713	572
Kilauea	14	22,489	2,046	95
Lihue	93	576,031	55,222	1,847
Puhi	11	17,173	1,876	67
Balance of Kauai County 2/	154	225,457	24,992	1,220
Maui County	758	(D)	(D)	(5/)
Haiku-Pauwela	7	11,384	1,477	47
Kaanapali	73	187,001	21,427	732
Kahului	194	1,252,291	124,760	4,127
Kaunakakai	18	50,691	5,361	182
Kihei	68	234,893	20,687	867
Kula	13	13,786	1,263	60
Lahaina	166	249,107	29,938	1,247
Lanai City	10	14,147	1,946	75
Makawao	19	17,722	1,797	72
Napili-Honokowai	9	32,525	2,517	95
Paia	27	52,578	6,304	231
Pukalani	8	88,540	9,450	344
Waihee/Waiehu	1	(D)	(D)	(3/)

Continued on next page.

**Table 23.04-- RETAIL ESTABLISHMENTS (NAICS 44-45), BY COUNTY AND  
SELECTED PLACE: 2012 -- Con.**

<b>Geographic Area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County - Con.				
Wailea	57	99,284	14,146	458
Wailuku	58	132,004	16,169	502
Balance of Maui County	30	24,846	2,965	131

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ This table displays fewer economic places within each county than the source document. Therefore, the balance of county figures were recalculated by DBEDT and differ from figures shown in the original source.

3/ 0 to 19 employees.

4/ 20 to 99 employees.

5/ 5,000 to 9,999 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 44-45: EC1244A1: Retail Trade: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012

<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/44A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~44-45](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/44A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~44-45)> accessed May 18, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.05-- RETAIL ESTABLISHMENTS (NAICS 44-45) WITH PAYROLL,  
BY KIND OF BUSINESS: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

<b>NAICS code</b>	<b>Kind of business</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
44-45	Retail trade	4,643	18,901,745	1,835,021	68,360
441	Motor vehicle and parts dealers	322	2,742,825	278,726	5,981
442	Furniture and home furnishings stores	161	265,204	35,872	1,198
443	Electronics and appliance stores	158	411,831	38,448	1,706
444	Building material and garden equipment and supplies dealers	253	1,093,488	133,489	4,394
445	Food and beverage stores	676	3,208,071	327,056	13,474
446	Health and personal care stores	384	1,610,027	160,269	5,105
447	Gasoline stations	285	1,509,032	63,424	2,995
448	Clothing and clothing accessories stores	1,248	2,546,443	274,296	13,170
451	Sporting goods, hobby, book, and music stores	238	344,764	44,850	2,094
452	General merchandise stores	93	4,319,272	351,728	12,784
453	Miscellaneous store retailers	636	624,077	101,923	4,636
454	Nonstore retailers	189	226,711	24,940	823

1/ For week including March 12.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 44-45: EC1244A1: Retail Trade: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012  
<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/44A1/0400000US15/naics~ALL-L3-44-45](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/44A1/0400000US15/naics~ALL-L3-44-45)> accessed May 21, 2015.

**Table 23.06-- PRIVATE INDUSTRY RETAIL EMPLOYMENT AND WAGES,  
ANNUAL AVERAGES (NAICS 44-45): 2014**

[Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system]

NAICS code	Retail trade	Average establishments	Average employment	Total wages (\$1,000)	Wages per employee
	Total	4,404	69,804	2,069,012	29,640
441	Motor vehicle and parts dealers	342	6,671	331,512	49,693
442	Furniture and home furnishings stores	154	1,444	50,180	34,763
443	Electronics and appliance stores	117	1,352	56,360	41,673
444	Building material and garden supply stores	206	4,303	140,870	32,739
445	Food and beverage stores	642	14,295	390,216	27,298
446	Health and personal care stores	423	5,492	180,289	32,827
447	Gasoline stations	228	2,168	52,626	24,273
448	Clothing and clothing accessories stores	1,112	11,387	273,583	24,027
451	Sporting goods, hobby, book and music stores	259	3,024	63,326	20,943
452	General merchandise stores	129	13,699	369,296	26,959
453	Miscellaneous store retailers	654	5,460	142,673	26,129
454	Nonstore retailers	138	509	18,081	35,493

Source: U.S. Bureau of Labor Statistics, *Employment and Wages Annual Averages*, table 10, <<http://www.bls.gov/cew/cewbultn14.htm#Tables>> accessed April 11, 2016.

**Table 23.07-- RETAIL TRADE AND FOOD SERVICES SALES, BY  
TYPE OF STORE: 2012**

[In millions of dollars; data are estimates. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system. Under NAICS classification, food service & drinking establishments are no longer included in retail trade]

Kind of store	NAICS code	2012
Total Retail sales and food and drink	44, 45, 722	22,700
All retail stores 1/	44, 45	18,902
Motor vehicle and parts dealers	441	2,743
Furniture and home furnishings	442	265
Electronics and appliances	443	412
Building material and garden equipment and supply dealers	444	1,093
Food and beverage stores	445	3,208
Health and personal care	446	1,610
Gasoline stations	447	1,509
Clothing and clothing accessories	448	2,546
Sporting goods, hobby, book, & music stores	451	345
General merchandise	452	4,319
Miscellaneous store	453	624
Nonstore retailers	454	227
Food services & drinking places	722	3,798

1/ Includes other types of stores, not shown separately.

Source: U.S. Census Bureau, 2012 Economic Census, All sectors: Geographic Area Series: Economy-Wide Key Statistics: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed June 21, 2016.

**Table 23.08-- CHARACTERISTICS OF MAJOR SHOPPING CENTERS: 2002**

[Includes all centers on Oahu with more than 250,000 square feet of gross leaseable area and all centers on other islands with more than 150,000 square feet]

Island and name of center	Location	Year opened	Site area (acres)	Gross leaseable area (1,000 square feet)	Parking spaces	Number of stores
<b>Oahu</b>						
Ala Moana Center	Honolulu	1959	50	1,800	9,000	230
Kahala Mall	Honolulu	1970	20	455	2100+	100
Koko Marina S.C.	Honolulu	1963	15	283	861	58
Moanalua S.C.	Honolulu	1952	15	250	500	50+
Pearl City S.C.	Pearl City	1967	14	255	837	34
Pearl Highlands Center	Pearl City	1993	13	410	2,000	24
Pearlridge Center	Aiea	1972	56	1,400	6,580	170
Royal Hawaiian S.C.	Honolulu	1980	7	293	614	150
Town Center of Mililani	Mililani	1987	45	489	2,502	70+
Victoria Ward Center	Honolulu	1980	65	650	1,200	165
Waikele Center	Waipahu	1993	42	522	2,162	25
Windward Mall S.C.	Kaneohe	1982	32	530	2,300	100
<b>Hawaii</b>						
Keauhou Shopping Center	Kailua	1984	21	170	893	48
Prince Kuhio Plaza	Hilo	1985	46	504	2,831	75
Waiakea Center	Hilo	1997	18	229	1,157	16
<b>Maui</b>						
Lahaina Market Place	Lahaina	1969	2	208	16	17
Maui Mall	Kahului	1971	25	193	700	43
Maui Marketplace	Kahului	1997	20	315	1,400	25
Piilani Village S.C.	Kihei	2000	15	150	750	30
Queen Kaahumanu Center	Kahului	1972	32	573	2,864	102
Shops at Wailea	Wailea	2000	16	161	900	62
<b>Kauai</b>						
Kukui Grove Center	Lihue	1982	35	315	1,568	60

Source: International Council of Shopping Centers, Hawaii Council of Shopping Centers, 2002 *Hawaii Council of Shopping Centers Directory*.

**Table 23.09-- CHARACTERISTICS OF SHOPPING MALLS: 2013 AND 2014**

Subject	Hawaii		United States	Hawaii as percent of U.S.
	2013	2014	2014	
Number of shopping centers 1/	273	273	114,957	0.2
Shopping center space (millions sq ft) 1/	27.9	27.9	7,500	0.4
Shopping center space per capita (sq ft)	19.8	19.7	23.6	(X)
Shopping center jobs per center	211	210	110	(X)
Number of center jobs per 1,000 sq ft	2.1	2.1	1.7	(X)
Number of jobs (in thousands)	58	57	12,700	0.5
Shopping center share of total employment (percent)	9.3	9.2	9.1	(X)
Shopping center retail sales (millions of dollars)	9,300	9,500	2,500,000	0.4
Per capita shopping center sales	6,572	6,696	7,986	(X)
State sales tax revenue (millions of dollars) 2/	370	380	144,700	0.3

X Not applicable.

1/ Copyright, CoStar Realty Information, Inc., <www.costar.com>.

2/ Sales tax revenue generated at shopping centers, excludes states not taxing: Alaska, Delaware, New Hampshire, Montana and Oregon. Local government sales tax revenue not included.

Source: International Council of Shopping Centers, records.

**Table 23.10-- SHOPPING CENTER CHARACTERISTICS: 2011 TO 2014**

<b>Characteristic</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Count	269	272	273	273
Employment (thousands of jobs)	56	57	58	57
Gross leasable area (million square feet)	27	28	28	28
Retail sales (billion dollars)	8.7	9.0	9.3	9.5
Retail sales per square feet (dollars)	317	324	332	340

Source: International Council of Shopping Centers, Hawaii Council of Shopping Centers, *2014 Hawaii Council of Shopping Centers Directory*.

**Table 23.11-- CHARACTERISTICS OF EATING AND DRINKING PLACES:  
2012**

[Includes only establishments of firms with payroll]

<b>Subject</b>	<b>Full-service restaurants</b>	<b>Limited-service restaurants</b>	<b>Cafeterias, buffets, and grill buffets</b>	<b>Drinking places (alcoholic beverages)</b>
Establishments in business at end of year	1,086	1,160	11	209
Sales, calendar year (million dollars)	1968.9	1162.7	D	120.4
Seats, Dec. 31	116,136	36,444	D	11,955
Average cost per meal (establishments)				
Less than \$5.00	2	25	-	(X)
\$5.00 to \$6.99	25	182	-	(X)
\$7.00 to \$9.99	244	685	1	(X)
\$10.00 to \$14.99	309	270	2	(X)
\$15.00 to \$19.99	195	49	4	(X)
\$20.00 to \$29.99	260	4	5	(X)
\$30.00 to \$49.99	116	44	-	(X)
\$50.00 or more	53	0	-	(X)
Menu type or specialty (establishments)				
Italian	53	3	-	(X)
Mexican	17	82	-	(X)
Chinese	166	135	9	(X)
Other ethnic	453	237	1	(X)
Seafood	77	59	1	(X)
Steak	58	18	-	(X)
Pizza	27	64	-	(X)
Chicken	2	48	-	(X)
Hamburger	22	227	-	(X)
Sandwich (Sub shop)	36	178	-	(X)
Other food specialty	86	101	-	(X)
Establishments with no food specialty	207	107	1	(X)

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

X Not applicable.

Source: U.S. Census Bureau, 2012 Economic Census, Accommodation and Food Services, Subject Series: Misc Subjects <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed on June 17, 2016.

**Table 23.12-- DUTY-FREE STORE REVENUES: 1985 TO 2015**

[In dollars. These sales revenues are not included in the general excise and use tax base data cited elsewhere in this volume]

Year	Revenues	Year	Revenues
1985	180,126,919	2001	215,257,193
1986	270,891,959	2002	149,962,722
1987	369,788,429	2003	158,854,936
1988	445,072,755	2004	168,305,421
1989	451,185,041	2005	189,517,794
1990	413,932,037	2006	174,632,693
1991	378,587,469	2007	147,125,047
1992	421,953,644	2008	130,749,679
1993	397,322,968	2009	116,402,544
1994	413,417,555	2010	119,377,140
1995	419,548,514	2011	152,849,776
1996	425,824,748	2012	199,596,711
1997	355,636,355	2013	201,060,547
1998	271,692,798	2014	166,411,033
1999	192,429,772	2015	135,602,039
2000	229,392,900		

Source: DFS Hawaii, records; and for 1995-2015 data Hawaii State Department of Transportation, Airport Division, records.

**Table 23.13-- ALCOHOLIC BEVERAGE SALES, BY TYPE: 2006 TO 2008**

[Fiscal year ending June 30]

Category	Wine gallons of 128 fluid ounces			Wholesale value, 2008 (dollars)
	2006	2007	2008	
All types	36,970,982	37,273,879	38,134,537	518,469,467
Distilled spirits	1,985,998	2,025,171	2,076,423	117,578,919
Sparkling wine	258,108	273,728	267,387	17,451,123
Still wine	3,552,543	3,674,139	3,827,244	140,628,196
Cooler beverage	459,835	401,978	378,096	4,577,391
Draft beer	2,706,714	2,724,226	2,784,432	16,959,536
Beer other than draft	28,007,784	28,174,637	28,800,955	221,274,302

Source: Hawaii State Department of Taxation, Tax Research and Planning, records.

**Table 23.14-- PRODUCT LINE SALES FOR RETAIL TRADE  
(NAICS 44-45): 2012**

<b>Products and services code</b>	<b>Meaning of products and services code</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Line sales as % of sales of establishments with line</b>	<b>Line sales as % of total sales of NAICS</b>
20000	Industry total	4,643	18,901,745	(X)	100.0
20100	Groceries & other food for human consumption off the premises	1,314	3,893,586	36.1	20.6
20140	Packaged liquor, wine, & beer	790	509,365	5.8	2.7
20150	Cigars, cigarettes, etc & smokers' access, excluding sls from vending	836	380,597	4.9	2.0
20160	Drugs, health aids, beauty aids, including cosmetics	1,172	1,830,256	18.5	9.7
20180	Soaps, detergents, & household cleaners	554	197,064	2.7	1.0
20190	Paper & related products, including paper towels, toilet tissue, wraps, etc	495	193,309	2.8	1.0
20200	Men's wear, including accessories	961	572,843	7.6	3.0
20220	Women's, juniors', & misses' wear, including accessories	1,218	1,179,243	17.7	6.2
20240	Children's wear, including boys, girls, & infants & toddlers	624	170,554	4.5	0.9
20250	Costumes & unisex clothing	167	8,834	0.7	(1/)
20260	Footwear, including accessories	834	382,191	6.4	2.0
20270	Sewing, knitting materials & supplies, needlework goods	73	25,466	2.8	0.1
20280	Curtains, draperies, blinds, slipcovers, bed & table coverings	155	99,443	2.7	0.5
20300	Major household appliances	134	150,492	5.8	0.8
20310	Small electric appliances & personal care appliances	204	46,985	0.9	0.2
20320	TVs, video recorders, video cameras, video tapes, DVDs, etc	233	148,356	3.0	0.8
20330	Audio equipment, musical instruments, radios, stereos, CDs, records, etc	323	78,029	2.4	0.4
20340	Furniture, sleep equipment & outdoor/patio furniture	266	211,317	4.1	1.1
20360	Flooring & floor coverings	101	110,784	5.1	0.6
20370	Computer hardware, software, & supplies	128	240,019	6.7	1.3
20380	Kitchenware & home furnishings	588	250,219	4.6	1.3

Continued on next page.

**Table 23.14-- PRODUCT LINE SALES FOR RETAIL TRADE  
(NAICS 44-45): 2012 -- Con.**

<b>Products and services code</b>	<b>Meaning of products and services code</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Line sales as % of sales of establishments with line</b>	<b>Line sales as % of total sales of NAICS</b>
20400	Jewelry, including watches, watch attach, novelty jewelry, etc	1,047	774,616	15.4	4.1
20420	Books	216	32,809	1.2	0.2
20440	Photographic equipment & supplies	227	45,016	0.9	0.2
20460	Toys, hobby goods, & games	382	116,951	3.1	0.6
20490	Optical goods, including eyeglasses, contact lenses, sunglasses, etc	295	97,631	1.9	0.5
20530	Sporting goods & recreational equipment	481	229,845	6.0	1.2
20590	Boats & other sport vehicles, parts & accessories	51	35,318	4.4	0.2
20600	Hardware, tools, & plumbing & electrical supplies	360	319,219	7.4	1.7
20620	Lawn, garden, & farm equipment & supplies	451	224,573	4.4	1.2
20640	Dimensional lumber & other building/ structural materials & supplies	138	346,260	36.9	1.8
20670	Paint & sundries	115	110,357	7.1	0.6
20690	Wallpaper & other flexible wallcoverings	22	2,171	0.4	(1/)
20700	Automobiles, cars, vans, trucks, motorcycles, motor scooters, etc	148	2,007,568	82.8	10.6
20720	Automotive fuels	306	1,380,117	42.9	7.3
20730	Automotive lubricants, including oil, greases, etc	317	31,196	1.1	0.2
20740	Automotive tires, tubes, batteries, parts, accessories	440	459,061	6.6	2.4
20780	Household fuels, including oil, LP gas, wood, coal	108	96,380	8.3	0.5
20800	Pets, pet foods, & pet supplies	319	131,264	2.2	0.7
20810	Baby goods not elsewhere classified, incl bottles, monitors, carriers, swings, etc.	42	20,550	2.3	0.1
20830	Used books, clothing, furniture, & other used items not elsewhere classified	89	35,945	21.1	0.2
20850	All other merchandise	1,440	910,109	11.2	4.8
21100	Meals, unpackaged snacks, sandwiches, unpackaged ice cream & yogurt, bakery items, other food items & nonalcoholic bvg prepared for immediate consumption	445	172,096	3.1	0.9
21220	Meals, snacks, & beverages prepared for catered events	89	51,622	2.1	0.3
29810	All other merchandise	636	112,561	1.9	0.6
29900	All nonmerchandise receipts	873	473,431	5.0	2.5

Continued on next page.

**Table 23.14-- PRODUCT LINE SALES FOR RETAIL TRADE  
(NAICS 44-45): 2012 -- Con.**

X Not applicable.

1/ Less than half the unit shown.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 44: EC1244SLLS1: Retail Trade: Subject Series - Product Lines: Product Lines Statistics by Kind of Business for the United States and States: 2012  
<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/44SLLS1/0400000US15/naics~44-45](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/44SLLS1/0400000US15/naics~44-45)>  
accessed June 17, 2016.

**Table 23.15-- WHOLESALE TRADE ESTABLISHMENTS AND SALES  
(NAICS 42): 1939 TO 2012**

[Coverage has differed somewhat from census to census. Statistics currently based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

Year	Number of establishments	Sales (\$1,000)	Year	Number of establishments	Sales (\$1,000)
1939	704	97,045	1982	1,737	4,084,369
1948	702	480,734	1987	1,998	5,362,490
1954	594	581,940	1992	2,202	8,001,621
1958	793	618,155	1997	1,872	7,147,462
1963	974	735,205	2002	1,876	9,986,355
1967	1,030	1,013,813	2007	1,844	12,672,267
1972	1,336	1,538,429	2012	1,751	13,466,008
1977	1,569	2,571,489			

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (1977), table 20.7; U.S. Census Bureau, *1977 Census of Wholesale Trade*, WC77-A-12 (Rev.), *1982 Census of Wholesale Trade*, WC82-A-12, *1987 Census of Wholesale Trade*, WC87-A-12, *1992 Census of Wholesale Trade*, WC92-A-12, *1997 Economic Census, Wholesale Trade, Hawaii*, EC97W42A-HI(RV) (March 2000), table1, *2002 Economic Census, Wholesale Trade, Geographic Area Series, Hawaii*, EC02-42A-HI (March 2005), table1a and *2007 Economic Census, Sector 42: EC0742A1: Wholesale Trade, Geographic Area Series, Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2007* <[http://factfinder.census.gov/servlet/IBQTable?\\_bm=y&-geo\\_id=04000US15&-fds\\_name=EC0700A1&-skip=100&-ds\\_name=EC0742A1&-\\_lang=en](http://factfinder.census.gov/servlet/IBQTable?_bm=y&-geo_id=04000US15&-fds_name=EC0700A1&-skip=100&-ds_name=EC0742A1&-_lang=en)> accessed April 12, 2010; *2012 Economic Census, Sector 42: EC1242A1: Wholesale Trade, Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012* <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/42A1/0400000US15/naics~42](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/42A1/0400000US15/naics~42)> accessed May 22, 2015.

**Table 23.16-- CHARACTERISTICS OF WHOLESALE ESTABLISHMENTS  
(NAICS 42), BY BROAD GEOGRAPHIC AREA: 2012**

[Includes establishments with payroll. Merchant wholesalers, except manufacturers' sales branches and offices. Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>Subject</b>	<b>State total</b>	<b>Oahu</b>	<b>Neighbor islands</b>
Number of establishments	1,561	1,167	394
Sales (\$1,000)	9,607,982	8,052,799	1,555,183
Annual payroll (\$1,000)	724,517	596,874	127,643
First quarter payroll (\$1,000)	175,328	145,092	30,236
Paid employees for pay period including March 12 (number)	16,686	13,446	3,240
Operating expenses (\$1,000)	1,430,907	1,173,325	257,582
Inventories (\$1,000)			
Beginning of year	936,940	799,816	137,124
End of year	995,699	849,305	146,394

Source: U.S. Census Bureau, 2012 Economic Census, Sector 42: EC1242A1: Wholesale Trade, Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/42A1/0400000US15|0400000US15.05000/naics~42](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/42A1/0400000US15|0400000US15.05000/naics~42)> accessed May 26, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.17-- WHOLESALE TRADE (NAICS 42), BY KIND OF BUSINESS:  
2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

NAICS codes	Kind of business	Number of establishments	Sales (\$1,000)	Annual payroll (\$1000)	Number of employees 1/
42	Wholesale trade	1,751	13,466,008	844,540	18,761
4231	Motor vehicles and parts	55	642,691	38,170	818
4232	Furniture and home furnishings	58	136,694	19,601	439
4233	Lumber and other construction materials	74	377,075	32,060	641
4234	Commercial equipment	135	602,866	77,058	1,322
4235	Metals and minerals, except petroleum	23	104,522	9,887	202
4236	Electrical and electrical goods	104	511,356	50,599	828
4237	Hardware, and plumbing	82	438,736	42,609	702
4238	Machinery, equipment, and supplies	113	344,330	50,308	908
4239	Miscellaneous durable goods	182	331,695	43,883	1,252
4241	Paper and paper products	70	1,064,062	28,735	669
4242	Drugs and druggists' sundries	64	1,172,410	34,505	772
4243	Apparel, piece goods, and notions	95	138,777	21,029	652
4244	Grocery and related products	309	2,984,713	227,482	5,776
4245	Farm product raw materials	3	1,634	379	14
4246	Chemical and allied products	37	(D)	(D)	(2/)
4247	Petroleum and petroleum products	26	(D)	(D)	(2/)
4248	Beer, wine, and distilled alcoholic beverages	34	698,177	62,698	1,248
4249	Miscellaneous nondurable goods	184	(D)	(D)	(3/)
4251	Wholesale electronic markets and agents and brokers	103	901,175	19,789	477

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 250 to 499 employees.

3/ 1,000 to 2,499 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 42: EC1242A1: Wholesale Trade, Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012

<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/42A1/0400000US15/naics~42|4231|4232|4233|4234|4235|4236|4237|4238|4239](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/42A1/0400000US15/naics~42|4231|4232|4233|4234|4235|4236|4237|4238|4239)> accessed May 27, 2015.

**Table 23.18-- WHOLESALE TRADE (NAICS 42), BY COUNTY AND SELECTED PLACE: 2012**

[Includes establishments with payroll. Merchant wholesalers, except manufacturers' sales and offices. Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Hawaii	1,561	9,607,982	724,517	16,686
Hawaii County	178	(D)	(D)	(2/)
Hawaiian Paradise Park	2	(D)	(D)	(3/)
Hilo	71	328,057	31,409	839
Honaunau/Napoopoo	2	(D)	(D)	(3/)
Kailua	26	55,801	5,986	138
Kalaoa	22	96,548	8,841	218
Balance of Hawaii County 4/	55	(D)	(D)	(D)
Honolulu County	1,167	8,052,799	596,874	13,446
Aiea	10	15,547	1,659	48
East Honolulu	33	22,461	2,354	65
Ewa Beach	2	(D)	(D)	(3/)
Halawa	28	162,428	11,532	258
Haleiwa	3	9,907	359	20
Kahaluu	4	2,920	275	7
Kailua	17	21,389	2,769	62
Kaneohe	12	11,469	986	19
Kapolei	7	92,258	7,857	149
Laie	2	(D)	(D)	(5/)
Maili	2	(D)	(D)	(3/)
Makakilo	5	2,163	299	14
Mililani Mauka	5	(D)	(D)	(5/)
Mililani Town	9	2,862	495	16
Pearl City	38	261,860	19,264	463
Pupukea	2	(D)	(D)	(3/)
Urban Honolulu	782	5,712,767	399,801	9,002
Wahiawa	6	7,233	1,019	30
Waialua	3	1,024	209	11
Waimalu	10	51,941	5,871	125
Waimanalo	6	20,326	1,559	61
Waipahu	56	292,465	35,089	790
Waipio	27	383,578	33,430	741
Balance of Honolulu County 4/	98	(D)	(D)	(D)

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**Table 23.18-- WHOLESALE TRADE (NAICS 42), BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Kauai County	76	(D)	(D)	(6/)
Hanapepe	2	(D)	(D)	(3/)
Kalaheo	2	(D)	(D)	(3/)
Kapaa	11	20,715	1,862	80
Lihue	37	153,004	11,577	323
Puhi	14	73,164	7,221	138
Balance of Kauai County 4/	10	(D)	(D)	(D)
Maui County	140	714,580	50,414	1,141
Haiku-Pauwela	10	9,059	2,022	36
Kaanapali	2	(D)	(D)	(3/)
Kahului	52	513,480	31,802	637
Kaunakakai	4	6,015	470	8
Kihei	12	22,473	2,056	65
Kula	3	(D)	(D)	(5/)
Lahaina	5	(D)	(D)	(5/)
Lanai City	1	(D)	(D)	(3/)
Makawao	3	(D)	(D)	(3/)
Pukalani	5	(D)	(D)	(3/)
Waihee/Waiehu	2	(D)	(D)	(3/)
Wailuku	36	124,547	10,918	285
Balance of Maui County 4/	5	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 1,000 to 2,499 employees.

3/ 0 to 19 employees.

4/ This table displays less economic places within each county than the source document. Therefore, the balance of county figures were recalculated and differ from figures shown in the original source.

5/ 20 to 99 employees.

6/ 500 to 999 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 42: EC1242A1: Wholesale Trade: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012

<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/42A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~42](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/42A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~42)> accessed May 27, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.19-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	3,226	3,334,059	1,265,631	21,629
Hawaii County	294	193,315	72,089	1,502
Captain Cook	3	(D)	(D)	(2/)
Hawaiian Paradise Park	3	(D)	(D)	(2/)
Hilo	101	79,436	30,978	653
Holualoa	10	1,170	365	17
Kahaluu-Keauhou	6	1,428	557	10
Kailua	62	27,010	9,806	233
Kalaoa	22	11,254	2,507	125
Waikoloa Village	8	1,440	498	20
Waimea	31	50,466	21,249	282
Balance of Hawaii County 3/	48	(D)	(D)	(D)
Honolulu County	2,399	2,895,066	1,105,443	18,234
Ahuimanu	7	990	374	10
Aiea	16	9,676	3,265	108
East Honolulu	110	33,806	12,233	282
Ewa Beach	3	(D)	(D)	(2/)
Ewa Gentry	3	(D)	(D)	(2/)
Halawa	16	5,884	2,270	42
Haleiwa	3	(D)	(D)	(2/)
Heeia	5	1,143	322	12
Hickam Housing	3	(D)	(D)	(4/)
Kahaluu	6	639	236	6
Kailua	96	(D)	(D)	(5/)
Kaneohe	51	28,938	11,140	299
Kaneohe Station	15	10,303	4,889	74
Kapolei	11	4,887	1,748	102
Laie	3	(D)	(D)	(4/)
Makakilo	7	1,675	461	15
Mililani Mauka	15	13,348	7,485	58
Mililani Town	18	6,220	2,534	81
Nanakuli	3	713	259	15
Ocean Pointe	6	2,642	763	40
Pearl City	36	27,585	10,307	224
Pupukea	6	761	151	8

Continued on next page.

**Table 23.19-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County - Con.				
Royal Kunia	6	(D)	(D)	(4/)
Schofield Barracks	20	39,089	15,213	244
Urban Honolulu	1,709	2,414,461	914,628	14,263
Wahiawa	22	20,856	8,324	149
Waialua	3	1,300	432	15
Waianae	9	3,135	1,112	43
Waikele	3	481	127	15
Waimalu	24	20,599	9,853	193
Waimanalo	7	19,513	7,762	154
Waipahu	20	15,240	5,422	226
Waipio	15	9,977	5,539	121
West Loch	3	363	164	3
Balance of Honolulu County 3/	119	(D)	(D)	(D)
Kauai County	143	59,283	21,110	512
Kalaheo	9	2,450	727	32
Kapaa	17	3,581	974	49
Kekaha	7	6,490	2,223	33
Kilauea	14	1,575	371	16
Lihue	46	21,217	8,244	245
Puhi	5	2,824	1,490	29
Wailua Homesteads	7	3,199	1,034	39
Balance of Kauai County 3/	38	17,947	6,047	69
Maui County	390	186,395	66,989	1,381
Haiku-Pauwela	24	4,635	892	24
Kaanapali	9	4,708	1,295	41
Kahului	43	27,726	9,515	258
Kihei	51	44,605	19,721	258
Kula	29	7,451	2,689	60
Lahaina	21	7,122	1,646	80
Lanai City	2	(D)	(D)	(2/)
Makawao	13	3,568	987	25
Napili-Honokowai	4	969	293	4
Paia	11	2,070	506	14
Pukalani	13	2,243	895	37
Waikapu	3	276	98	2

Continued on next page.

**Table 23.19-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County - Con.				
Wailea	22	4,353	886	25
Wailuku	129	71,070	26,081	524
Balance of Maui County 3/	16	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 0 to 19 employees

3/ This table displays less economic places within each county than the source document. Therefore, the balance of county figures were recalculated and differ from figures shown in the original source.

4/ 20 to 99 employees.

5/ 500 to 999 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 54: EC1254A1: Professional, Scientific, and Technical Services: Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/54A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~54](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/54A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~54)> accessed June 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.20-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY COUNTY AND SELECTED PLACE: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

Geographic area	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
State total	1,799	2,893,771	1,355,113	47,307
Hawaii County	235	275,783	143,164	5,616
Hawaiian Paradise Park	3	(D)	(D)	(2/)
Hilo	62	73,968	40,185	1,669
Holualoa	12	10,193	2,949	89
Kahaluu-Keauhou	6	2,102	602	15
Kailua	41	(D)	(D)	(3/)
Kalaoa	28	39,926	18,817	727
Waikoloa Village	14	6,766	966	32
Waimea	15	4,029	1,464	40
Balance of Hawaii County 4/	54	(D)	(D)	(5/)
Honolulu County	1,169	2,203,990	1,022,281	34,800
Aiea	13	8,804	2,702	100
East Honolulu	50	(D)	(D)	(6/)
Ewa Beach	8	766	350	22
Ewa Gentry	9	(D)	(D)	(7/)
Halawa	19	31,435	6,957	187
Haleiwa	7	(D)	(D)	(7/)
Hauula	3	(D)	(D)	(2/)
Heeia	4	(D)	(D)	(7/)
Kahaluu	4	(D)	(D)	(2/)
Kahuku	3	845	279	11
Kailua	43	26,395	12,008	348
Kaneohe	28	11,673	3,606	186
Kaneohe Station	3	(D)	(D)	(7/)
Kapolei	12	9,534	5,486	297
Maili	4	83	49	2
Makaha	3	162	59	4
Makakilo	10	6,892	1,899	72
Mililani Mauka	11	4,040	1,392	67
Mililani Town	16	4,868	1,563	70
Nanakuli	5	(D)	(D)	(7/)
Pearl City	29	30,447	12,636	488
Pupukea	4	(D)	(D)	(7/)
Royal Kunia	8	(D)	(D)	(7/)

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**Table 23.20-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County - Con.				
Schofield Barracks	5	4,748	2,999	132
Urban Honolulu	706	1,539,531	717,840	25,562
Wahiawa	16	(D)	(D)	(5/)
Waianae	5	(D)	(D)	(7/)
Waimalu	17	27,150	11,915	423
Waimanalo	9	(D)	(D)	(8/)
Waipahu	32	40,924	12,895	572
Waipio	14	15,165	7,493	283
Waipio Acres	4	(D)	(D)	(7/)
Balance of Honolulu County 4/	65	(D)	(D)	(D)
Kauai County	124	110,789	52,290	1,990
Kapaa	11	(D)	(D)	(9/)
Kekaha	7	8,046	3,462	103
Kilauea	10	10,128	5,817	286
Lihue	23	26,119	8,427	366
Puhi	6	3,392	1,590	66
Wailua Homesteads	10	3,917	1,361	54
Balance of Kauai County 4/	57	(D)	(D)	(D)
Maui County	271	303,209	137,378	4,901
Haiku-Pauwela	18	5,880	1,698	54
Kaanapali	6	1,303	658	21
Kahului	53	97,251	56,866	2,052
Kaunakakai	3	1,439	143	11
Kihei	41	28,642	11,969	307
Kula	11	7,564	2,542	109
Lahaina	20	46,539	27,982	969
Lanai City	4	(D)	(D)	(7/)
Makawao	11	5,630	3,207	175
Napili-Honokowai	8	4,747	1,721	56
Paia	4	474	142	6
Pukalani	9	(D)	(D)	(8/)
Waihee/Waiehu	3	(D)	(D)	(2/)
Waikapu	3	538	150	7
Wailea	12	9,449	1,086	57
Wailuku	48	70,854	20,474	746
Balance of Maui County 4/	17	(D)	(D)	(D)

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**Table 23.20-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 0 to 19 employees.

3/ 1,000 to 2,499 employees.

4/ This table displays less economic places within each county than the source document. Therefore, the balance of county figures were recalculated by DBEDT and differ from figures shown in the original source.

5/ 250 to 499 employees.

6/ 2,500 to 4,999 employees.

7/ 20 to 99 employees.

8/ 100 to 249 employees.

9/ 500 to 999 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 56: EC1256A1: Administrative and Support and Waste Management and Remediation Services: Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/56A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~56](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/56A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~56)> accessed June 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.21-- EDUCATIONAL SERVICES ESTABLISHMENTS (NAICS 61),  
BY COUNTY AND SELECTED PLACE: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	347	158,389	51,088	2,410
Hawaii County	29	17,307	5,186	195
Hilo	7	1,080	340	36
Kahaluu-Keauhou	3	1,337	472	12
Kailua	9	7,940	2,323	87
Waimea	4	(D)	(D)	(2/)
Balance of Hawaii County 3/	6	(D)	(D)	(D)
Honolulu County	255	119,855	39,539	1,909
Ahuimanu	2	(D)	(D)	(4/)
Aiea	6	804	224	26
East Honolulu	9	806	269	14
Haleiwa	4	1,114	166	4
Kailua	7	3,081	1,532	39
Kaneohe	7	2,379	1,011	45
Kapolei	2	(D)	(D)	(4/)
Mililani Mauka	3	1,455	459	35
Mililani Town	4	522	143	22
Pearl City	3	798	255	25
Urban Honolulu	163	83,320	29,225	1,399
Wahiawa	6	659	161	34
Waimalu	9	3,020	889	70
Waipahu	6	853	325	32
Waipio	4	1,790	307	48
Balance of Honolulu County 3/	20	(D)	(D)	(D)
Kauai County	16	4,502	1,311	76
Kalaheo	2	(D)	(D)	(4/)
Kapaa	3	495	133	14
Lihue	4	831	277	18
Balance of Kauai County 3/	7	(D)	(D)	(D)

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**Table 23.21-- EDUCATIONAL SERVICES ESTABLISHMENTS (NAICS 61),  
BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County	47	16,725	5,052	230
Haiku/Pauwela	2	(D)	(D)	(4/)
Kahului	10	2,106	738	39
Kihei	9	2,332	682	45
Lahaina	5	4,154	1,214	31
Makawao	4	3,031	726	27
Pukalani	3	139	37	3
Wailea	3	(D)	(D)	(2/)
Wailuku	3	(D)	(D)	(4/)
Balance of Maui County 3/	8	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 20 to 99 employees.

3/ This table displays less economic places within each county than the source document. Therefore, the balance of county figures were recalculated by DBEDT and differ from figures shown in the original source.

4/ 0 to 19 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 61: EC1261A1: Educational Services: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/61A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~61](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/61A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~61)> accessed June 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.22-- ARTS, ENTERTAINMENT, AND RECREATION  
ESTABLISHMENTS (NAICS 71), BY COUNTY AND  
SELECTED PLACE: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenues (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	495	843,628	249,168	10,623
Hawaii County	69	89,358	29,355	1,149
Captain Cook	3	726	282	22
Hilo	11	6,874	1,930	144
Kailua	12	38,708	15,609	538
Waikoloa Village	3	(D)	(D)	(2/)
Waimea	4	464	197	11
Balance of Hawaii County 3/	36	(D)	(D)	(D)
Honolulu County	259	537,106	145,031	6,495
Aiea	4	(D)	(D)	(4/)
East Honolulu	14	32,847	10,313	434
Halawa	4	(D)	(D)	(4/)
Kahaluu	3	(D)	(D)	(5/)
Kailua	13	14,292	4,601	194
Kaneohe	14	13,766	3,553	236
Kapolei	9	20,606	4,609	266
Laie	2	(D)	(D)	(6/)
Mililani Town	3	8,793	1,800	119
Pearl City	3	11,922	2,452	146
Pupukea	6	7,997	2,437	67
Urban Honolulu	137	224,074	59,976	2,747
Wahiawa	3	(D)	(D)	(5/)
Waimalu	4	10,509	2,948	165
Waimanalo Beach	2	(D)	(D)	(5/)
Waipahu	4	(D)	(D)	(4/)
Balance of Honolulu County 3/	34	(D)	(D)	(D)
Kauai County	47	76,112	27,163	951
Hanapepe	3	1,067	178	10
Kalaheo	3	(D)	(D)	(2/)
Kapaa	4	(D)	(D)	(4/)
Lihue	12	13,814	5,918	242
Balance of Kauai County 3/	25	(D)	(D)	(D)

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**Table 23.22-- ARTS, ENTERTAINMENT, AND RECREATION  
ESTABLISHMENTS (NAICS 71), BY COUNTY AND  
SELECTED PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County	120	141,052	47,619	2,028
Haiku-Pauwela	9	3,486	1,100	39
Kaanapali	5	(D)	(D)	(2/)
Kahului	13	19,370	6,839	478
Kaunakakai	1	(D)	(D)	(5/)
Kihei	14	9,403	3,539	185
Kula	7	2,875	398	16
Lahaina	14	(D)	(D)	(7/)
Makawao	3	1,123	326	28
Napili/Honokowai	3	(D)	(D)	(5/)
Pukalani	9	(D)	(D)	(2/)
Wailea	11	17,128	4,622	134
Wailuku	9	4,494	1,660	85
Balance of Maui County 3/	22	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 100 to 249 employees.

3/ This table displays less economic places within each county than the source document. Therefore, the balance of county figures were recalculated by DBEDT and differ from figures shown in the original source.

4/ 20 to 99 employees.

5/ 0 to 19 employees.

6/ 500 to 999 employees.

7/ 250 to 499 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 71: EC1271A1: Arts, Entertainment, and Recreation: Geographic Area Series: U.S., States, Metro Areas, Counties, and Places: 2012  
<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/71A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~71](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/71A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~71)> accessed June 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.23-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)  
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED  
PLACE: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	2,808	2,004,775	538,698	19,348
Hawaii County	288	166,086	41,012	1,387
Hilo	96	57,096	11,261	464
Holualoa	16	(D)	(D)	(2/)
Honaunau/Napoopoo	3	(D)	(D)	(3/)
Kahaluu/Keauhou	16	5,327	1,118	35
Kailua	59	39,556	11,825	391
Kalaoa	9	3,562	749	38
Waikoloa Village	14	7,219	1,653	45
Waimea	15	7,941	1,595	47
Balance of Hawaii County 4/	60	(D)	(D)	(D)
Honolulu County	2,012	1,522,364	411,766	14,967
Ahuimanu	4	1,269	348	18
Aiea	26	9,437	2,828	149
East Honolulu	49	28,220	6,222	252
Ewa Beach	13	(D)	(D)	(2/)
Ewa Gentry	6	(D)	(D)	(2/)
Halawa	18	12,279	3,335	145
Haleiwa	6	1,089	348	13
Hickam Housing	3	(D)	(D)	(2/)
Kailua	65	35,683	9,037	440
Kaneohe	67	32,883	9,885	352
Kaneohe Station	5	(D)	(D)	(3/)
Kapolei	20	12,322	4,063	164
Makaha	5	5,847	1,727	70
Makakilo	11	(D)	(D)	(2/)
Mililani Mauka	11	5,246	1,206	47
Mililani Town	32	19,520	7,371	480
Nanakuli	7	895	206	17
Ocean Pointe	5	2,202	514	20
Pearl City	61	33,131	8,690	292
Royal Kunia	8	2,290	380	33
Urban Honolulu	1,346	1,130,500	302,607	10,410
Wahiawa	25	11,396	3,045	146
Waianae	8	(D)	(D)	(2/)

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**Table 23.23-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)  
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED  
PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County - Con.				
Waimalu	40	37,990	10,525	363
Waimanalo	5	(D)	(D)	(3/)
Waipahu	70	35,325	9,722	474
Waipio	19	16,741	4,381	133
Waipio Acres	5	3,477	454	19
West Loch Estate	3	697	194	7
Balance of Honolulu County 4/	69	(D)	(D)	(D)
Kauai County	125	78,197	23,881	809
Kalaheo	3	(D)	(D)	(3/)
Kapaa	15	11,443	3,531	113
Lihue	40	25,626	8,247	280
Puhi	7	(D)	(D)	(2/)
Balance of Kauai County 4/	60	(D)	(D)	(D)
Maui County	383	238,128	62,039	2,185
Haiku-Pauwela	7	1,400	465	21
Kaanapali	18	24,627	5,144	149
Kahului	60	43,119	12,823	501
Kaunakakai	7	5,445	1,815	54
Kihei	71	29,979	7,453	270
Kula	9	1,690	479	17
Lahaina	45	22,246	1,707	191
Lanai City	1	(D)	(D)	(3/)
Makawao	5	(D)	(D)	(3/)
Napili-Honokawai	21	(D)	(D)	(2/)
Pukalani	9	(D)	(D)	(2/)
Waihee/Waiehu	3	(D)	(D)	(2/)
Wailea	31	35,203	9,175	274
Wailuku	59	31,796	7,650	273
Balance of Maui County 4/	37	(D)	(D)	(D)

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**Table 23.23-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)  
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED  
PLACE: 2012 -- Con.**

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 20 to 99 employees

3/ 0 to 19 employees.

4/ This table displays less economic places within each county than the source document. Therefore, the balance of county figures were recalculated by DBEDT and differ from figures shown in the original source.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 81: EC1281A1: Other Services (Except Public Administration): Geographic Area Series: U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/81A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~81](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/81A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~81)> accessed June 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.24-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES ESTABLISHMENTS (NAICS 54), BY TYPE OF OPERATION OR KIND OF BUSINESS: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

NAICS code	Type of operation or kind of business	Number of establishments	Receipts/ Revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Subject to Federal Income Tax				
54	Professional, scientific, and technical services	3,188	3,229,357	1,225,011	20,998
541	Professional, scientific, and technical services	3,188	3,229,357	1,225,011	20,998
5411	Legal services	668	(D)	(D)	(2/)
5412	Accounting, tax preparation, bookkeeping, and payroll services	618	299,122	126,367	3,385
5413	Architectural, engineering, and related services	549	1,057,649	382,804	5,251
5414	Specialized design services	98	45,774	10,480	256
5415	Computer systems design and related services	389	464,803	200,373	2,847
5416	Management, scientific, and technical consulting services	383	327,642	123,926	2,049
5417	Scientific research and development services	75	115,997	58,672	770
5418	Advertising, public relations, and related services	126	99,215	33,879	1,008
5419	Other professional, scientific, and technical services	282	(D)	(D)	(3/)
	Exempt from Federal Income Tax				
54	Professional, scientific, and technical services	38	104,702	40,620	631
541	Professional, scientific, and technical services	38	104,702	40,620	631
5411	Legal services	17	12,124	5,698	144
5417	Scientific research and development services	21	92,578	34,922	487

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**Table 23.24-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES  
ESTABLISHMENTS (NAICS 54), BY TYPE OF OPERATION  
OR KIND OF BUSINESS: 2012**

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

1/ For week including March 12.

2/ 2,500 to 4,999 employees.

3/ 1,000 to 2,499 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 54: EC1254A1: Professional, Scientific, and Technical Services: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/54A1/0400000US15/naics~54|541|5411|5412|5413|5414|5415|5416|5417|5418|5419](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/54A1/0400000US15/naics~54|541|5411|5412|5413|5414|5415|5416|5417|5418|5419)> accessed May 29, 2015.

**Table 23.25-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY KIND OF BUSINESS: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
56	Administrative and support and waste management and remediation services	1,799	2,893,771	1,355,113	47,307
561	Administrative and support services	1,663	2,543,083	1,267,472	45,401
5611	Office administrative services	55	79,867	29,717	677
5612	Facilities support services	32	58,870	29,302	879
5613	Employment services	141	859,261	628,191	21,757
5614	Business support services	105	59,280	17,626	757
5615	Travel arrangement and reservation services	395	587,493	147,143	3,836
5616	Investigation and security services	158	249,170	153,277	6,588
5617	Services to buildings and dwellings	706	566,245	240,156	10,171
5619	Other support services	71	82,897	22,060	736
562	Waste management and remediation services	136	350,688	87,641	1,906
5621	Waste collection	37	128,390	27,602	704
5622	Waste treatment and disposal	16	114,262	23,651	301
5629	Remediation and other waste management services	83	108,036	36,388	901

1/ For week including March 12.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 56: EC1256A1: Administrative and Support and Waste Management and Remediation Services: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/56A1/0400000US15/naics~56|561|5611|5612|5613|5614|5615|5616|5617|5619|562|5621|5622|5629](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/56A1/0400000US15/naics~56|561|5611|5612|5613|5614|5615|5616|5617|5619|562|5621|5622|5629)> accessed June 1, 2015.

**Table 23.26-- EDUCATIONAL SERVICES ESTABLISHMENTS (NAICS 61),  
BY TYPE OF OPERATION OR KIND OF BUSINESS: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

NAICS code	Type of operation or kind of business	Number of establishments	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Subject to Federal Income Tax				
61	Educational services	274	121,724	37,201	1,877
611	Educational services	274	121,724	37,201	1,877
6114	Business schools and computer and management training	25	10,578	4,477	130
6115	Technical and trade schools	33	19,570	5,694	185
6116	Other schools and instruction	202	84,890	24,465	1,492
6117	Educational support services	14	6,686	2,565	70
	Exempt from Federal Income Tax				
61	Educational services	73	36,665	13,887	533
611	Educational services	73	36,665	13,887	533
6114	Business schools and computer and management training	5	772	348	15
6115	Technical and trade schools	12	8,898	3,264	87
6116	Other schools and instruction	47	16,814	5,864	342
6117	Educational support services	9	10,181	4,411	89

1/ For week including March 12.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 61: EC1261A1: Educational Services: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012

<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/61A1/0400000US15/naics~61|611|6114|6115|6116|6117](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/61A1/0400000US15/naics~61|611|6114|6115|6116|6117)> accessed June 1, 2015.

**Table 23.27-- ARTS, ENTERTAINMENT, AND RECREATION ESTABLISHMENTS  
(NAICS 71), BY TYPE OF OPERATION OR KIND OF BUSINESS: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

NAICS code	Type of operation or kind of business	Number of establishments	Receipts/revenues (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Subject to Federal Income Tax				
71	Arts, entertainment, and recreation	398	571,145	168,184	7,327
711	Performing arts, spectator sports, and related industries	133	128,322	37,878	1,581
7111	Performing arts companies	32	(D)	(D)	(2/)
7112	Spectator sports	12	4,489	779	16
7113	Promoters of performing arts, sports, and similar events	12	(D)	(D)	(3/)
7114	Agents and managers for public figures	8	5,768	391	17
7115	Independent artists, writers, and performers	69	17,716	4,126	125
712	Museums, historical sites, and similar institutions	10	49,495	11,555	465
7121	Museums, historical sites, and similar institutions	10	49,495	11,555	465
713	Amusement, gambling, and recreation industries	255	393,328	118,751	5,281
7131	Amusement parks and arcades	25	30,017	5,741	259
7139	Other amusement and recreation services	230	363,311	113,010	5,022
	Exempt from Federal Income Tax				
71	Arts, entertainment, and recreation	97	272,483	80,984	3,296
711	Performing arts, spectator sports, and related industries	23	28,294	9,028	508
7111	Performing arts companies	18	(D)	(D)	(4/)
7113	Promoters of performing arts, sports, and similar events	5	(D)	(D)	(3/)

Continued on next page.

**Table 23.27-- ARTS, ENTERTAINMENT, AND RECREATION ESTABLISHMENTS  
(NAICS 71), BY TYPE OF OPERATION OR KIND OF BUSINESS: 2012 -- Con.**

NAICS code	Type of operation or kind of business	Number of establishments	Receipts/revenues (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
712	Museums, historical sites, and similar institutions	43	167,043	46,162	1,735
7121	Museums, historical sites, and similar institutions	43	167,043	16,162	1,735
713	Amusement, gambling, and recreation industries	31	77,146	25,794	1,053
7139	Other amusement and recreation services	31	77,146	25,794	1,053

D Withheld to avoid disclosing data of individual companies.

1/ For week including March 12.

2/ 1,000 to 2,499 employees.

3/ 100 to 249 employees.

4/ 250 to 499 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 71: EC1271A1: Arts, Entertainment, and Recreation: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/71A1/0400000US15/naics~71|711|7111|7112|7113|7114|7115|712|7121|713|7131|7139](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/71A1/0400000US15/naics~71|711|7111|7112|7113|7114|7115|712|7121|713|7131|7139)> accessed June 1, 2015.

**Table 23.28-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)  
ESTABLISHMENTS (NAICS 81), BY TYPE OF OPERATION OR KIND OF  
BUSINESS: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

NAICS code	Type of operation or kind of business	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Firms Subject to Federal Income Tax				
81	Other services (except public admin.)	1,519	877,528	278,979	11,014
811	Repair and maintenance	657	378,279	110,707	3,202
8111	Automotive repair and maintenance	473	302,023	85,022	2,507
8112	Electronic and precision equipment repair and maintenance	40	14,115	5,599	145
8113	Commercial machinery repair and maintenance	60	39,012	13,150	295
8114	Personal and household goods repair and maintenance	84	23,129	6,936	255
812	Personal and laundry services	862	499,249	168,272	7,812
8121	Personal care services	462	145,554	58,767	3,030
8122	Death care services	34	47,694	14,298	538
8123	Drycleaning and laundry services	92	139,609	46,785	1,945
8129	Other personal services	274	166,392	48,422	2,299
	Firms Exempt from Federal Income Tax				
81	Other services (except public admin.)	1,289	1,127,247	259,719	8,334
813	Religious/grantmaking/civic/professional and similar organization	1,289	1,127,247	259,719	8,334
8132	Grantmaking and giving services	78	195,649	30,209	694
8133	Social advocacy organizations	93	121,533	35,695	846
8134	Civic and social organizations	88	69,644	26,635	1,487
8139	Professional and similar organizations	1,030	740,421	167,180	5,307

1/ For week including March 12.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 81: EC1281A1: Other Services (Except Public Administration): Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/81A1/0400000US15/naics~81|811|8111|8112|8113|8114|812|8121|8122|8123|8129|813|8132|8133|8134|8139](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/81A1/0400000US15/naics~81|811|8111|8112|8113|8114|812|8121|8122|8123|8129|813|8132|8133|8134|8139)> accessed June 2, 2015.

**Table 23.29-- TRAVEL ARRANGEMENT AND RESERVATION SERVICES  
(NAICS 5615), BY KIND OF BUSINESS: 2012**

[Includes establishments with payroll. Statistics based on the  
2012 North American Industry Classification System (NAICS)]

<b>NAICS code</b>	<b>Kind of business</b>	<b>Number of establishments</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
5615	Travel arrangement and reservation services	395	587,493	147,143	3,836
56151	Travel agencies	176	173,650	53,043	1,358
56152	Tour operators	156	288,329	54,269	1,646
56159	Other travel arrangement & reservation services 2/	63	125,514	39,831	832

1/ For week including March 12.

2/ Includes convention & visitors bureaus (NAICS 561591; 10 establishments). Excludes convention and trade show organizers (NAICS 56192; 23 establishments).

Source: U.S. Census Bureau, 2012 Economic Census, Sector 56: EC1256A1: Administrative and Support and Waste Management and Remediation Services, Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/56A1/0400000US15/naics~ALL-561](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/56A1/0400000US15/naics~ALL-561)> accessed June 22, 2015.

**Table 23.30-- ACCOMMODATION AND FOOD SERVICES (NAICS 72), BY COUNTY AND SELECTED PLACE: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1000)</b>	<b>Number of employees 1/</b>
State total	3,518	9,536,706	2,535,950	98,364
Hawaii County	430	1,124,494	324,743	12,297
Captain Cook	5	(D)	(D)	(2/)
Hilo	146	133,782	33,243	2,239
Holualoa	11	(D)	(D)	(3/)
Kahaluu-Keauhou	18	88,700	28,737	1,089
Kailua	103	382,777	95,755	3,508
Kalaoa	3	(D)	(D)	(2/)
Volcano	5	4,464	1,242	77
Waikoloa Village	14	(D)	(D)	(4/)
Waimea	26	22,466	6,235	362
Balance of Hawaii County 5/	99	(D)	(D)	(D)
Honolulu County	2,355	5,273,221	1,333,021	57,486
Ahuimanu	7	6,707	1,210	93
Aiea	42	34,939	8,969	567
East Honolulu	65	(D)	(D)	(6/)
Ewa Beach	10	10,021	2,218	172
Ewa Gentry	7	5,604	1,414	104
Halawa	12	11,740	2,714	160
Haleiwa	23	33,591	8,092	494
Kailua	86	81,291	20,913	1,446
Kaneohe	74	76,836	17,457	1,140
Kapolei	33	58,742	14,642	915
Laie	8	(D)	(D)	(3/)
Makakilo	4	671	220	13
Mililani Mauka	6	6,348	1,297	87
Mililani Town	41	60,130	15,025	1,055
Nanakuli	6	6,205	1,447	134
Ocean Pointe	16	15,919	3,678	268
Pearl City	74	79,707	19,277	1,346
Pupukea	6	(D)	(D)	(2/)
Royal Kunia	18	13,992	3,019	223
Urban Honolulu	1,471	3,943,956	955,430	38,426
Wahiawa	44	44,497	11,549	704
Waianae	24	20,713	4,540	353
Waikele	14	24,763	6,239	424

Continued on next page.

**Table 23.30-- ACCOMMODATION AND FOOD SERVICES (NAICS 72), BY  
COUNTY AND SELECTED PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1000)</b>	<b>Number of employees 1/</b>
Honolulu County - Con.				
Waimalu	70	91,316	23,950	1,480
Waimanalo	6	3,570	661	53
Waimanalo Beach	4	2,946	684	54
Waipahu	77	64,518	15,016	1,007
Waipio	15	29,426	7,541	492
Balance of Honolulu County 5/	92	(D)	(D)	(D)
Kauai County	234	831,487	252,470	8,638
Hanapepe	4	765	75	6
Kalaheo	6	(D)	(D)	(2/)
Kapaa	39	52,758	10,855	619
Kekaha	3	(D)	(D)	(2/)
Kilauea	4	4,532	1,192	104
Lihue	57	143,312	48,092	1,876
Wailua Homesteads	4	321	75	5
Balance of Kauai County 5/	117	(D)	(D)	(D)
Maui County	499	2,307,504	625,716	19,943
Haiku/Pauwela	4	3,625	1,152	75
Kaanapali	49	718,764	160,067	3,870
Kahului	84	123,307	31,165	1,703
Kaunakakai	8	(D)	(D)	(3/)
Kihei	91	136,593	35,137	1,622
Kula	5	4,945	1,297	82
Lahaina	93	343,924	105,653	3,748
Lanai City	9	(D)	(D)	(7/)
Makawao	10	10,293	4,058	265
Napili/Honokowai	17	55,210	7,734	289
Paia	16	38,935	12,599	509
Pukalani	7	7,026	1,310	123
Wailea	31	554,353	161,090	4,349
Wailuku	47	28,023	7,098	438
Balance of Maui County 5/	28	(D)	(D)	(D)

Continued on next page.

**Table 23.30-- ACCOMMODATION AND FOOD SERVICES (NAICS 72), BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

D Withheld to avoid disclosing data for individual companies; data are included in higher level totals.

1/ For week including March 12.

2/ 20 to 99 employees.

3/ 100 to 249 employees.

4/ 250 to 499 employees.

5/ This table displays fewer economic places within each county than the source document. Therefore, the balance of county figures were recalculated by DBEDT and differ from figures shown in the original source.

6/ 1,000 to 2,499 employees.

7/ 500 to 999 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 72: EC1272A1: Accommodation and Food Services, Geographic Area Series: Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2012<[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/72A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~72](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/72A1/0400000US15|0400000US15.05000|0400000US15.E6000/naics~72)> accessed June 10, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.31-- ACCOMMODATION AND FOOD SERVICES (NAICS 72), BY KIND OF BUSINESS: 2012**

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

NAICS codes	Kind of business	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
72	Accommodation and food services	3,518	9,536,706	2,535,950	98,364
721	Accommodation	309	5,738,872	1,529,385	38,426
7211	Traveler accommodation	300	5,735,924	1,528,665	38,393
72111	Hotels (except casino hotels) and motels	260	5,722,307	1,525,390	38,221
72119	Other traveler accommodation	40	13,617	3,275	172
721191	Bed-and-breakfast inns	20	4,196	1,417	73
721199	All other traveler accommodation	20	9,421	1,858	99
7212	RV (recreational vehicle) parks and recreational camps	4	(D)	(D)	(2/)
7213	Rooming and boarding houses	5	(D)	(D)	(2/)
722	Food services and drinking places	3,209	3,797,834	1,006,565	59,938
7223	Special food services	140	287,277	69,896	3,085
72231	Food service contractors	75	244,449	60,037	2,567
72232	Caterers	39	30,394	7,839	410
72233	Mobile food services	26	12,434	2,020	108
7224	Drinking places (alcoholic beverages)	228	120,448	26,169	1,830
7225	Restaurants and other eating places	2,841	3,390,109	910,500	55,023
72251	Restaurants and other eating places	2,841	3,390,109	910,500	55,023
722511	Full-service restaurants	1,204	1,968,924	595,675	32,893
722513	Limited-service restaurants	1,259	1,162,683	256,867	17,989
722514	Cafeterias, grill buffets, and buffets	12	(D)	(D)	(3/)
722515	Snack & nonalcoholic beverage bars	366	(D)	(D)	(4/)

D Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

1/ For week including March 12.

2/ 0 to 19 employees.

3/ 250 to 499 employees.

4/ 2,500 to 4,999 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 72: EC1272A1: Accommodation and Food Services, Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012 <[http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012\\_US/72A1/0400000US15/naics~ALL-72](http://factfinder.census.gov/bkmk/table/1.0/en/ECN/2012_US/72A1/0400000US15/naics~ALL-72)> accessed June 12, 2015.

**Table 23.32-- PRODUCT LINE SALES FOR ACCOMMODATION AND FOOD SERVICES  
(NAICS 72): 2012**

Products and services code	Meaning of products and services code	Number of establishments	Sales (\$1,000)	Line sales as % of sales of establishments with line	Line sales as % of total sales of NAICS
20000	Industry total	3,209	3,797,834	(X)	100.0
20070	Room or unit accommodation for travelers and others	6	3,403	8.4	0.1
20100	Groceries & other foods for human consumption off the premises	144	7,894	5.0	0.2
20130	Alcoholic beverages served for immediate consumption	1,116	424,294	23.8	11.2
20140	Packaged liquor, wine, & beer	17	655	4.2	(1/)
20150	Cigars, etc & smokers' accessories, excl sales from vending machines operated by others	22	348	1.7	(1/)
20850	All other merchandise	323	19,687	3.1	0.5
21100	Meals, snacks & nonalcoholic bvgs prepared for immediate consumption	3,063	3,023,612	85.6	79.6
21210	Meals, snacks & nonalcoholic bvgs prepared under long-term contract	79	201,985	81.0	5.3
21220	Meals, snacks & nonalcoholic bvgs prepared for catered event	397	80,820	16.5	2.1
29600	Other services	156	23,838	8.6	0.6
29810	All other merchandise	68	9,146	5.4	0.2

X Not applicable.

1/ Less than half the unit shown.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 72: EC1272SLLS1: Accommodation and Food Services: Subject Series - Product Lines: Product Lines Statistics by Kind of Business for the United States and States: 2012 <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed June 22, 2016.

**Table 23.33-- VISITOR ACCOMMODATIONS, BY COUNTY: 1979 TO 2015**

[Number of units]

Year	State total	City & County of Honolulu	Hawaii County	Kauai County	Maui County
1979	49,832	30,065	6,093	4,202	9,472
1980	54,246	34,334	5,889	4,322	9,701
1981	56,769	33,967	6,705	4,738	11,359
1982	57,968	33,492	7,167	5,147	12,162
1983	58,765	34,354	7,469	4,193	12,749
1984	62,448	36,848	7,149	5,313	13,138
1985	65,919	38,600	7,511	5,656	14,152
1986	66,308	39,010	7,280	5,922	14,096
1987	65,318	38,185	7,328	5,956	13,849
1988	69,012	37,841	8,823	7,180	15,168
1989	67,734	36,467	8,161	7,398	15,708
1990	71,266	36,899	8,952	7,546	17,869
1991	72,275	36,623	9,383	7,567	18,702
1992	73,089	36,851	9,170	7,778	19,290
1993	69,502	36,604	9,140	4,631	19,127
1994	70,463	36,194	9,595	5,870	18,804
1995	(NA)	(NA)	(NA)	(NA)	(NA)
1996	70,288	36,146	9,558	6,760	17,824
1997	71,025	35,971	9,913	6,589	18,552
1998	71,480	36,206	9,655	6,969	18,650
1999	71,157	35,861	9,815	6,872	18,609
2000	71,506	36,303	9,774	7,159	18,270
2001	72,204	36,824	9,944	7,202	18,234
2002	70,783	36,457	9,297	7,037	17,992
2003	70,579	35,541	9,478	7,257	18,303
2004	72,176	35,769	9,857	8,105	18,445
2005	72,307	33,926	10,940	8,221	19,220
2006	72,274	33,606	10,831	8,266	19,571
2007	73,220	33,588	11,061	8,692	19,879
2008	74,177	34,081	11,240	9,203	19,653
2009	75,188	34,027	11,541	9,469	20,151
2010	74,988	33,782	11,479	9,344	20,383
2011	77,731	35,001	11,113	9,872	21,745
2012	74,650	35,326	10,594	8,289	20,441
2013	73,959	35,690	10,903	8,675	18,691
2014	73,716	35,864	10,666	8,492	18,694
2015	77,138	36,058	11,085	8,582	21,413

NA Not available.

Source: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *Visitor Plant Inventory* (annual) <<http://hawaii.gov/dbedt/info/visitor-stats/visitor-plant/>>; Hawaii Tourism Authority, *Visitor Plant Inventory* (annual) <<http://www.hawaiitourismauthority.org/research/reports/visitor-plant-inventory/>> accessed June 8, 2016.

**Table 23.34-- VISITOR ACCOMMODATIONS, BY TYPE: 1986 TO 2015**

Year and month	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
1986: Feb.	523	201	322	66,308	43,309	22,999
1987: Feb.	510	196	314	66,318	43,422	21,896
1988: Feb.	481	203	278	69,012	47,892	21,120
1989: Feb.	452	197	255	67,734	48,894	18,840
1990: Feb.	533	264	269	71,266	52,438	18,828
1991: Feb.	595	313	282	72,275	52,688	19,587
1992: Spring	664	374	295	73,089	51,134	21,955
1993: June	698	406	292	69,502	49,111	20,391
1994: Dec.	692	397	295	70,463	49,436	21,027
1995	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1996: May	770	472	298	70,288	49,737	20,551
1997: Spring	821	607	214	71,025	53,735	17,290
1998	882	669	213	71,480	54,055	17,425
1999	832	620	212	71,157	53,954	17,203
2000	873	668	205	71,506	54,859	16,647
2001	914	712	202	72,204	56,021	16,183
2002	860	661	199	70,783	55,052	15,731
2003 3/	1,057	837	220	70,742	54,209	16,533
2004 3/	1,209	970	239	72,614	58,716	13,898
2005 3/	1,266	1,035	231	73,126	57,879	15,247
2006	1,281	1,046	235	72,274	54,800	17,474
2007	1,777	1,605	172	73,220	58,334	14,886
2008	1,697	1,481	216	74,177	57,777	16,400
2009	1,615	1,434	181	75,188	60,757	14,431
2010	1,805	1,632	173	74,988	60,462	14,526
2011	1,974	1,853	121	77,731	65,211	12,520
2012	1,792	1,658	134	74,650	62,462	12,188
2013	1,931	1,832	99	73,959	62,475	11,484
2014	1,700	1,604	96	73,716	63,156	10,560
2015	2,165	2,041	124	77,138	66,196	10,942

NA Not available.

1/ Includes hotels, apartment hotels, bed-and-breakfasts, hostels, Individual vacation units and timeshares. Properties with both condo and hotel units are included with condominiums in 1990 and later years; treatment before 1990 not specified.

2/ Condominium accommodations in rental pools for transient use. Includes condo/hotel units.

3/ Data have been revised, but revised numbers are not available.

Source: Hawaii Visitors & Convention Bureau, *Visitor Plant Inventory*; Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *Visitor Plant Inventory* (annual) <<http://hawaii.gov/dbedt/info/visitor-stats/visitor-plant/>>; Hawaii Tourism Authority, *Visitor Plant Inventory* (annual) <<http://www.hawaiitourismauthority.org/research/reports/visitor-plant-inventory/>> accessed June 8, 2016.

**Table 23.35-- VISITOR ACCOMMODATIONS, BY TYPE AND BY ISLAND: 2015**

[Figures may not add up to totals due to rounding]

Island	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
State total	2,165	2,041	124	77,138	66,196	10,942
Oahu	479	450	29	36,058	31,730	4,328
Waikiki/Honolulu	301	277	24	28,976	26,114	2,862
Rest of Oahu	178	173	5	7,082	5,616	1,466
Other islands	1,686	1,591	95	41,080	34,466	6,614
Hawaii	561	548	13	11,085	10,465	620
Maui	761	703	58	20,972	16,438	4,534
Lanai	3	3	-	252	252	-
Molokai	22	20	2	189	116	73
Kauai	339	317	22	8,582	7,195	1,387

1/ Includes hotels, apartment hotels, bed-and-breakfasts, hostels, individual vacation units and timeshares. Properties with both condo and hotel units are included with condominiums.

2/ Condominium accommodations in rental pools for transient use. Includes condo/hotel units.

Source: Hawaii Tourism Authority, *Visitor Plant Inventory* (annual)

<<http://www.hawaiiitourismauthority.org/research/reports/visitor-plant-inventory/>> accessed June 8, 2016.

**Table 23.36-- VISITOR ACCOMMODATIONS, BY TYPE AND GEOGRAPHIC AREA: 2015**

[Figures may not add up to totals due to rounding]

Type of accommodation	Properties			Units		
	State total	Oahu	Other islands	State total	Oahu	Other islands
All types	2,165	479	1,686	77,138	36,058	41,080
Apartment-hotel	7	3	4	116	55	61
Bed and breakfast	132	26	106	583	48	535
Condominium hotel	124	29	95	10,942	4,328	6,614
Hostels	12	6	6	312	235	77
Hotel	141	64	77	43,304	25,684	17,620
Individual vacation units	1,640	328	1,312	10,768	2,316	8,452
Timeshare	83	19	64	10,680	3,151	7,529
Other	26	4	22	433	241	192

Source: Hawaii Tourism Authority, *Visitor Plant Inventory* (annual)  
 <<http://www.hawaiitourismauthority.org/research/reports/visitor-plant-inventory/>> accessed June 8, 2016.

**Table 23.37-- HOTELS AND OTHER LODGING PLACES (NAICS 721),  
BY COUNTY: 2008 TO 2014**

[Excludes most government employees, railroad employees, and self-employed persons. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in the *County Business Patterns* prior to 1998. Therefore, comparability between the current data and data prior to 1998 may be limited]

<b>County</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
State total	312	304	294	295	307	326	306
Hawaii	63	62	61	61	60	69	65
Honolulu	113	112	98	100	108	107	104
Kauai	47	41	43	46	49	54	47
Maui	89	89	92	88	90	96	90

Source: U.S. Census Bureau, *County Business Patterns, Hawaii* (annual). See also <http://factfinder.census.gov/> accessed May 3, 2016.

**Table 23.38-- VISITOR ACCOMMODATIONS, BY NIGHTLY PRICE: 2015**

<b>Island and type of accommodation</b>	<b>Total</b>	<b>\$100 or less</b>	<b>\$101 to \$250</b>	<b>\$251 to \$500</b>	<b>Over \$500</b>
Available units	77,138	2,931	22,679	25,147	26,304
Island					
Oahu	36,058	1,118	11,611	13,017	10,313
Hawaii	11,085	1,097	3,647	4,046	2,284
Kauai	8,582	232	2,892	2,283	3,175
Maui	20,972	398	4,027	5,285	11,283
Molokai	189	12	162	15	-
Lanai	252	-	11	66	174
Type of unit					
Apartment/hotel	116	35	78	3	-
Bed and breakfast	583	125	391	65	3
Condominium hotel	10,942	274	5,920	3,655	1,083
Hostel	312	312	-	-	-
Hotel	43,304	1,083	9,180	14,767	18,274
Individual vacation unit	10,768	1,281	5,955	2,186	1,346
Timeshare	10,680	182	3,663	2,937	3,898
Other	433	189	221	15	7

Source: Hawaii Tourism Authority, *Visitor Plant Inventory* (annual)  
 <<http://www.hawaiiourismauthority.org/research/reports/visitor-plant-inventory/>> accessed June 8, 2016.

**Table 23.39-- HOTEL ROOMS, OCCUPANCY RATES, AND DAILY ROOM AND GUEST RATES: 1989 TO 2015**

[Includes condominium units in rental pools for transient occupancy]

Year	Hotel units 1/			Percent occupied 2/	Daily rates per room 2/ (dollars)	Guests per room 3/
	State total	Oahu	Other islands			
1989	67,734	36,467	31,267	79.0	95.83	2.00
1990	71,266	36,899	34,367	78.8	102.10	2.01
1991	72,275	36,623	35,652	72.4	101.89	2.01
1992	73,089	37,279	35,810	72.6	105.59	2.02
1993	69,502	37,032	32,470	72.0	103.26	2.04
1994	70,463	36,194	34,269	76.5	105.46	2.04
1995	(NA)	(NA)	(NA)	75.8	109.39	2.05
1996	70,288	36,146	34,142	75.2	116.79	2.07
1997	71,025	35,971	35,054	73.9	124.96	2.08
1998	71,480	36,206	35,274	71.5	129.66	2.09
1999	71,157	35,861	35,296	72.1	131.66	2.09
2000	71,506	36,303	35,203	76.4	140.63	2.08
2001	72,204	36,824	35,380	69.2	144.88	2.05
2002	70,783	36,457	34,326	69.7	140.89	2.12
2003	70,579	35,541	35,038	72.7	144.16	2.09
2004	72,176	35,769	36,407	77.7	152.17	2.13
2005	72,307	33,926	38,381	81.1	166.16	2.15
2006	72,274	33,606	38,668	79.5	187.19	(NA)
2007	73,220	33,588	39,632	75.0	199.96	(NA)
2008	74,177	34,081	40,096	70.5	201.85	(NA)
2009	75,188	34,027	41,161	64.8	177.10	(NA)
2010	74,988	33,782	41,206	70.7	174.84	(NA)
2011	77,731	35,001	42,730	73.2	189.83	(NA)
2012	74,650	35,326	39,324	76.9	204.93	(NA)
2013	73,959	35,690	38,269	76.5	229.90	(NA)
2014	73,716	35,864	37,852	77.0	4/ 234.85	(NA)
2015	77,138	36,058	41,080	78.8	243.93	(NA)

NA Not available.

1/ February data through 1991; Spring 1992; June 1993; December 1994; and May 1996 and thereafter.

2/ Annual averages for hotels in PKF sample for 1989-1994, Smith Travel Research for 1995 and thereafter.

3/ Annual averages for hotels in PKF sample.

4/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development, and Tourism, *Visitor Plant Inventory*, (annual); Hawaii Tourism Authority, *Visitor Plant Inventory*, (annual); PKF-Hawaii, *Trends in the Hotel Industry, Hawaii*, (December issues); Smith Travel Research, Hospitality Advisors LLC, *Hawaii Hotel Flash Report*, (December/Year-End Highlights issues).

**Table 23.40-- HOTEL ROOM OCCUPANCY AND ROOM RATES, BY  
GEOGRAPHIC AREA: 2015**

<b>Geographic area</b>	<b>Percent occupied</b>	<b>Average daily room rate (dollars)</b>	<b>Revenue per available room (dollars)</b>
State total	78.8	243.93	192.22
Oahu	85.3	219.53	187.26
Waikiki	87.0	218.56	190.15
Other Oahu	74.9	226.66	169.77
Maui	74.5	316.26	235.61
Wailea	75.3	469.49	353.53
Lahaina-Kaanapali-Kapalua	76.3	269.29	205.47
Other Maui	72.3	374.14	270.50
Hawaii	65.6	230.26	151.05
Kohala Coast	67.1	317.60	213.11
Kauai	71.3	242.19	172.68

Source: Smith Travel Research, Hospitality Advisors LLC, *Hawaii Hotel Flash Report*, (December/Year-End 2015 Highlights).

**Table 23.41-- GENERAL EXCISE TAX BASE FOR RENTALS:  
1985 TO 2015**

[In thousands of dollars. Data are on a cash basis accounting]

<b>Year reported 1/</b>	<b>Total</b>	<b>Hotel rentals</b>	<b>All other rentals 2/</b>
1985	3,037,254	1,122,268	1,914,986
1986	3,278,450	1,212,782	2,065,668
1987	3,443,271	1,369,401	2,073,870
1988	3,715,546	1,408,891	2,306,655
1989	4,108,740	1,505,071	2,603,669
1990	4,401,733	1,572,994	2,828,739
1991	4,825,777	1,512,990	3,312,787
1992	5,013,293	1,621,751	3,391,542
1993	5,035,581	1,527,037	3,508,544
1994	5,358,587	1,666,406	3,692,182
1995	5,552,792	1,776,527	3,776,265
1996	5,859,454	2,057,800	3,801,655
1997	5,829,772	2,155,319	3,826,024
1998	5,904,196	2,147,217	3,756,979
1999	5,845,772	2,158,193	3,687,580
2000	6,305,325	2,419,287	3,886,038
2001	6,360,999	2,421,813	3,939,186
2002	6,184,616	2,227,341	3,957,275
2003	6,472,542	2,322,434	4,150,108
2004	6,851,888	2,518,058	4,333,830
2005	7,639,189	2,834,838	4,804,351
2006	8,107,018	3,097,961	5,009,057
2007	9,171,835	3,406,579	5,765,256
2008	9,170,330	3,130,759	6,039,571
2009	8,566,148	2,618,860	5,947,287
2010	8,525,923	2,755,013	5,770,910
2011	9,308,705	3,185,483	6,123,222
2012	9,878,662	3,666,325	6,212,337
2013	10,557,258	4,069,865	6,487,392
2014	10,796,148	4,314,087	6,482,060
2015	11,311,388	4,492,983	6,818,405

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

2/ Includes residential, office, automobile, and equipment rentals, and land leases.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release). See also <<http://files.hawaii.gov/tax/stats/monthly/2015cy-ge.pdf>> accessed April 4, 2016.

**Table 23.42-- COMPUTER AND SOFTWARE STORES AND SERVICES: 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

<b>Subject</b>	<b>Establishments (number)</b>	<b>Receipts/ revenue or sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees, pay period including March 12 (number)</b>
Wholesale trade				
Computer and software merchant wholesalers (NAICS 42343)	21	(D)	(D)	(1/)
Services				
Computer and office machine repair and maintenance (NAICS 811212)	27	9,473	2,753	99
Computer systems design and related services (NAICS 5415)	389	464,803	200,373	2,847
Data processing, hosting, and related services (NAICS 5182)	62	167,053	56,866	771
Software publishers (NAICS 5112)	21	73,298	22,615	204

D Withheld to avoid disclosing data for individual companies.

1/ 250 to 499 employees.

Source: U.S. Census Bureau, 2012 Economic Census. EC1200A1 All sectors: Geographic Area Series: Economy-Wide Key Statistics: 2012. See also <<http://factfinder.census.gov/>> accessed April 20, 2015.

**Table 23.43-- MOTION PICTURE AND VIDEO SERVICES: 1987 TO 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

<b>Subject and year</b>	<b>Establishments (number)</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees, pay period including March 12 (number)</b>
Motion picture and video production, distribution, and services (NAICS 51211, 51212, 51219)				
1987	25	10,177	2,394	136
1992	50	20,394	6,028	250
1997	63	33,727	10,660	278
2002	67	(D)	6,021	183
2007	71	(1/)	(2/)	(3/)
2012	59	(1/)	(4/)	(5/)
Motion picture and video exhibition (NAICS 51213)				
1987	35	(D)	(D)	(D)
1992	34	(D)	(D)	(D)
1997	35	62,133	8,866	1,195
2002	42	96,148	10,310	1,079
2007	31	89,283	8,850	806
2012	26	94,582	8,817	781
Video tape and disc rental (NAICS 53223)				
1987	78	12,319	2,456	376
1992	78	26,909	5,252	545
1997	81	23,862	4,346	451
2002	67	37,401	5,813	500
2007	64	37,655	6,947	506
2012	37	9,152	2,364	189

Continued on next page.

**Table 23.43-- MOTION PICTURE AND VIDEO SERVICES: 1987 TO 2012**  
**-- Con.**

D Withheld to avoid disclosing data for individual companies.

1/ Revenue not collected at this level of detail for multiestablishment firms for NAICS 51211 and 51212, and withheld to avoid disclosing data for individual for NAICS 51219.

2/ 5,297 for NAICS 51211 and withheld to avoid disclosing data for individual companies for NAICS 51212 and 51219.

3/ 20 to 99 employees for NAICS 51212 and 0 to 10 employees for NAICS 51219. There were 160 paid employees for NAICS 51211.

4/ 6,273 for NAICS 51211 and withheld to avoid disclosing data for individual companies for NAICS 51212 and 51219.

5/ 0 to 19 employees for NAICS 51212 and NAICS 51219. There were 159 paid employees for NAICS 51211.

Source: U.S. Bureau of the Census, *1987 Census of Service Industries, Hawaii, 'SC87-A-12* (July 1989); *1992 Census of Service Industries, Hawaii, SC92-A-12* (August 1994); *1997 Economic Census, Information, Geographic Area Series, Hawaii, EC97S51A-HI* (October 1999); *1997 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii, EC97F53A-HI* (August 1999); *2002 Economic Census, Information, Geographic Area Series, Hawaii, EC02-51A-HI* (March 2005); *2002 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii, EC02-53A-HI* (December 2004); 2007 Economic Census, Sector 53: EC0753A1: Real Estate and Rental and Leasing: Geographic Area Series: Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2007 <[http://factfinder.census.gov/servlet/IBQTable?\\_bm=y&-geo\\_id=04000US15&-fds\\_name=EC0700A1&-ds\\_name=EC0753A1&-\\_lang=en](http://factfinder.census.gov/servlet/IBQTable?_bm=y&-geo_id=04000US15&-fds_name=EC0700A1&-ds_name=EC0753A1&-_lang=en)> accessed May 21, 2010; 2007 Economic Census, Sector 51: EC0751A1: Information: Geographic Area Series: Summary Statistics for the United States, States, Metro and Micro Areas, Metro Divisions, Consolidated Cities, Counties, and Places: 2007 <[http://factfinder.census.gov/servlet/IBQTable?\\_bm=y&-fds\\_name=EC0700A1&-geo\\_id=04000US15&-ds\\_name=EC0751A1&-\\_lang=en](http://factfinder.census.gov/servlet/IBQTable?_bm=y&-fds_name=EC0700A1&-geo_id=04000US15&-ds_name=EC0751A1&-_lang=en)> accessed April 29, 2010; U.S. Census Bureau, 2012 Economic Census. EC1200A1 All sectors: Geographic Area Series: Economy-Wide Key Statistics: 2012. See also <<http://factfinder.census.gov/>> accessed April 20, 2015.

**Table 23.44-- FILM AND TELEVISION PRODUCTION: 2011 TO 2015**

[In millions of dollars, except for employment which is in number of jobs.  
Figures revised from previous *Data Book*]

<b>Category</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Total production expenditures	184.9	245.6	228.5	221.5	243.5
Expenditures qualified for tax credit	127.7	189.1	163.7	162.3	199.6
Expenditures not qualified for tax credit	57.2	56.5	64.8	59.2	43.9
Economic impact					
Output	320.6	425.8	396.2	384.0	422.2
Earnings	74.1	98.4	91.6	88.8	97.6
State taxes	20.3	26.9	25.1	24.3	26.7
Employment	2,304	2,963	2,670	2,506	2,668

Source: Hawaii Department of Business, Economic Development & Tourism, Creative Industry Division, and records.

## Section 24

# FOREIGN AND INTERSTATE COMMERCE

This section includes data on the flow of goods and services between Hawaii and the rest of the world, and on investment by foreign countries.

Sources for statistics on interstate and foreign commerce, and on foreign investment include the U.S. Census Bureau and the Bureau of Economic Analysis, the Hawaii State Department of Business, Economic Development & Tourism's Foreign Trade Zone No. 9 and its subzones. Additional information is found in waterborne cargo data compiled by the U.S. Army Corps of Engineers in Section 18.

Comparable data for the nation as a whole appear in Section 28 of the *Statistical Abstract of the United States: 2012*. Long-term island trends are summarized in *Historical Statistics of Hawaii*, Section 21.

**Table**  
**Number**   **Table Name**

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Narrative

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**Table 24.01-- FOREIGN TRADE THROUGH THE HAWAII  
CUSTOMS DISTRICT: 1984 TO 2015**

[Value, in millions of dollars, of U.S. imports and exports entered or exported through the Hawaii Customs District. The data may include imports intended for consumption on the Mainland and exports originated on the Mainland]

Year	General imports 1/	Imports for consumption 1/	Exports of domestic and foreign merchandise 2/		
			Total through Hawaii	Origin of movement 3/	Location of exporter 4/
1984	1,614.2	1,397.9	316.9	(NA)	(NA)
1985	1,756.3	1,553.1	388.8	(NA)	(NA)
1986	1,556.9	1,425.4	231.1	(NA)	(NA)
1987	1,770.1	1,558.6	392.8	151.7	(NA)
1988	1,839.6	1,559.1	572.6	130.7	(NA)
1989	1,970.1	1,735.9	537.4	160.0	(NA)
1990	2,260.6	2,100.3	512.2	178.7	(NA)
1991	1,620.9	1,892.4	568.3	147.7	(NA)
1992	2,395.8	2,119.8	604.2	206.2	(NA)
1993	2,426.0	2,218.1	1,099.7	186.6	216.8
1994	2,802.0	2,530.8	985.4	296.5	237.4
1995	3,027.4	2,703.6	1,072.2	241.1	255.7
1996	3,087.4	2,734.8	1,293.9	284.0	295.2
1997	3,176.8	2,695.0	1,628.0	334.0	303.2
1998	2,515.3	2,217.2	1,042.3	276.4	211.4
1999	2,598.7	2,298.7	1,182.7	273.6	243.5
2000	3,439.9	2,875.7	702.7	386.8	368.8
2001	2,606.1	2,285.3	630.9	369.9	319.1
2002	2,480.3	2,130.0	2,691.8	513.7	392.1
2003	2,428.1	2,021.5	2,521.8	368.2	(NA)
2004	2,795.3	2,235.9	1,754.1	404.8	(NA)
2005	3,700.6	2,918.8	2,416.0	1,028.2	(NA)
2006	4,852.6	4,171.7	3,215.8	705.7	(NA)
2007	5,208.4	4,233.9	4,760.5	560.4	(NA)
2008	5,980.2	5,108.1	7,579.1	964.0	(NA)
2009	3,752.3	3,198.5	5,775.3	562.2	(NA)
2010	4,583.3	4,199.9	7,398.1	685.1	(NA)
2011	5,652.3	4,982.8	7,451.6	909.2	(NA)
2012	6,478.2	5,704.1	9,746.9	726.2	(NA)
2013	5,599.6	5,219.0	11,428.7	598.3	(NA)
2014	4,970.6	4,011.5	12,559.7	1,452.1	(NA)
2015	4,052.1	3,569.7	13,913.5	1,895.7	(NA)

Continued on next page.

**Table 24.01-- FOREIGN TRADE THROUGH THE HAWAII  
CUSTOMS DISTRICT: 1984 TO 2015 -- Con.**

NA Not available.

1/ Customs value basis.

2/ Totals are on f.a.s. (free alongside ship) basis.

3/ Includes merchandise exports originated in Hawaii and exported through other customs districts.

Not available before 1987. This methodology is based on an "Origin of Movement" which is designed to measure the transportation origin of exports, i.e. the state from which an export product began its journey to the port of exit.

4/ Not available before 1993 nor after 2002. The methodology is based on "Location of Exporter" (EL) which tracks the sales origin of exports and is best suited for export promotion or marketing purposes. Effective with the January 2003 statistics, the EL series was discontinued.

Source: U.S. Census Bureau, *Highlights of U.S. Export and Import Trade, FT990*, cumulative totals in December issues, 1984-1988; *U.S. Merchandise Trade: Selected Highlights, FT920*, December 1989 to 2015, and beginning with 2004 <[http://www.census.gov/foreign-trade/Press-Release/ft920\\_index.html](http://www.census.gov/foreign-trade/Press-Release/ft920_index.html)> accessed July 8, 2016; *U.S. Merchandise Trade, FT900 Supplement*, December issue 1989 to 2015 <[http://www.census.gov/foreign-trade/Press-Release/current\\_press\\_release/press.html](http://www.census.gov/foreign-trade/Press-Release/current_press_release/press.html)> accessed July 8, 2016; U.S. Census Bureau, *Statistical Abstract of the United States* (annual) and records.

**Table 24.02-- FOREIGN TRADE THROUGH THE HAWAII  
CUSTOMS DISTRICT, BY CLASSIFICATION: 2011 TO 2015**

[In millions of dollars]

<b>Classification</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
General imports by district of entry					
Customs value 1/	5,652.3	6,478.2	5,599.6	4,970.6	4,052.1
C.I.F. value 2/	5,892.4	6,719.8	5,844.5	5,217.5	4,322.1
General imports by district of unloading					
Customs value 1/	7,565.3	8,557.5	7,967.7	8,115.4	7,098.6
C.I.F. value 2/	7,864.5	8,874.7	8,291.7	8,173.2	7,488.5
General imports by state of destination 3/					
Commodities	5,936.0	6,696.0	6,064.6	5,328.0	3,759.7
Manufactured commodities	1,180.3	1,656.3	2,490.5	2,040.0	1,681.7
Non-manufactured commodities	4,755.7	5,039.7	3,574.1	3,287.9	2,078.0
Imports for consumption by district of entry (customs value 1/)	4,982.8	5,704.1	5,219.0	4,011.5	3,569.7
Duty free value	1,285.1	1,659.0	1,680.2	1,644.2	1,882.6
Dutiable value	3,697.7	4,045.1	3,538.8	2,367.3	1,687.1
Exports of domestic & foreign merchandise by dist. of export (F.A.S. value 4/)	7,451.6	9,746.9	11,428.7	12,559.7	13,913.5
Exports of merchandise by origin of movement 5/	909.2	726.2	598.3	1,452.1	1,895.7
Commodities	800.2	673.6	551.3	1,342.0	1,844.5
Manufactured commodities	612.8	512.0	386.6	1,169.0	1,709.8
Non-manufactured commodities	187.4	161.6	164.7	173.0	134.7
Re-exports 6/	109.0	52.6	47.0	110.1	51.2

1/ Prices paid by the buyer to the seller in accordance with 1979 Trade Agreement Act amendments to the 1930 Tariff Act.

2/ Cost, insurance and freight.

3/ New series effective with January 2010 statistics, this new 'State of Destination' (SD) series has been made available back to January 2008.

4/ Free alongside ship value at U.S. port of export, based on transaction price, including inland freight, insurance, and other charges; excludes cost of loading merchandise aboard exporting carrier and also excludes freight, insurance, etc. beyond U.S. port of export.

5/ 1996-1999 had been based on 1987 Standard Industrial Classification (SIC) and beginning in 2000 based on the North American Industry Classification System. Includes merchandise exports originated in Hawaii and exported through other customs districts. Exports are by "point of origin" of their journey to export, a transportation not production basis. The U.S. Census Bureau discontinued the state export series based on the exporter location (exhibit 2a) after the December 2002 estimates.

6/ Not available by state prior to 1996 from U.S. Census Bureau, alternate source is U.S. Department of Commerce, International Trade Administration.

Source: U.S. Census Bureau, *U.S. Merchandise Trade: Selected Highlights, FT920*, December issue (annual) <[http://www.census.gov/foreign-trade/Press-Release/ft920\\_index.html](http://www.census.gov/foreign-trade/Press-Release/ft920_index.html)> accessed July 8, 2016 and *U.S. Merchandise Trade, FT900 Supplement*, December issue (annual) <[http://www.census.gov/foreign-trade/Press-Release/current\\_press\\_release/press.html](http://www.census.gov/foreign-trade/Press-Release/current_press_release/press.html)> accessed July 8, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.03-- FOREIGN TRADE THROUGH THE HAWAII CUSTOMS DISTRICT, BY METHOD OF TRANSPORTATION: 2000 TO 2015**

[Data may include imports intended for consumption on the Mainland and exports originated on the Mainland]

Category and year	Value (million dollars)			Shipping weight (mil. kgs.)	
	Total 1/	Vessel	Air	Vessel	Air
General imports 2/					
2000	5,630.2	1,734.3	3,833.9	6,436.2	30.3
2001	3,453.8	1,412.6	2,032.6	5,847.0	18.8
2002	3,995.9	1,463.6	2,359.9	5,838.9	31.9
2003	4,004.9	1,847.3	2,108.3	6,688.7	28.9
2004	4,800.6	2,390.3	2,389.8	7,019.2	39.8
2005	6,097.4	3,354.3	2,733.5	8,128.1	41.5
2006	6,865.0	4,333.1	2,429.1	8,807.3	35.6
2007	7,198.8	4,731.5	2,321.9	9,131.4	32.8
2008	7,564.9	5,589.5	1,891.1	7,955.9	25.6
2009	5,016.1	3,288.8	1,493.8	7,542.3	23.6
2010	6,870.9	3,949.9	2,554.9	7,062.1	31.6
2011	7,565.3	5,238.6	2,206.1	7,190.8	24.7
2012	8,557.5	5,802.9	2,398.1	7,174.9	30.6
2013	7,967.7	5,053.0	2,696.8	6,492.7	34.0
2014	8,115.4	4,265.0	3,484.8	5,903.4	44.2
2015	7,098.6	3,348.0	3,425.8	6,569.1	47.2
Exports 3/					
2000	702.7	214.1	251.9	695.0	9.4
2001	630.9	161.8	267.5	612.3	10.0
2002	2,691.8	168.6	309.5	502.5	9.3
2003	2,521.8	158.6	316.6	486.3	11.1
2004	1,754.1	238.2	319.1	606.6	8.8
2005	2,416.0	226.5	384.5	535.7	9.8
2006	3,215.8	310.9	584.3	567.4	11.6
2007	4,760.5	344.1	900.0	636.4	15.1
2008	7,579.1	377.8	995.4	583.5	14.8
2009	5,775.3	211.2	738.9	478.1	16.3
2010	7,398.1	259.7	1,138.9	467.0	21.8
2011	7,451.6	286.0	1,322.7	482.2	26.9
2012	9,746.9	263.7	2,055.4	455.3	27.3
2013	11,428.7	281.7	1,635.7	469.0	28.1
2014	12,559.7	791.4	2,516.9	1,093.1	28.6
2015	13,913.5	459.5	2,755.4	1,049.9	30.1

1/ Includes categories not tabulated by method of transportation, not shown separately.

2/ By district of unloading. Value is on customs value basis.

3/ Exports of domestic and foreign merchandise, by district of export. Value is on f.a.s. (free alongside ship) basis.

Source: U.S. Bureau of the Census, *U.S. Merchandise Trade: Selected Highlights, FT920, December* issue (annual) to 2010 exhibits 1 and 6 then, beginning in 2011, exhibits 1 and 4, and beginning with 2004 <[http://www.census.gov/foreign-trade/Press-Release/ft920\\_index.html](http://www.census.gov/foreign-trade/Press-Release/ft920_index.html)> accessed July 9, 2016.

**Table 24.04-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS:  
2012 TO 2014**

[Fiscal year ending September 30. In millions of dollars unless otherwise noted]

Subject	2012	2013	2014
State summary			
Merchandise received	5,000-10,000	5,000-10,000	5,000-10,000
Exports	750-1,000	750-1,000	1,000-5,000
Total shipments	5,000-10,000	5,000-10,000	5,000-10,000
Employees (persons)	1,501-2,000	1,501-2,000	1,501-2,000
Top foreign-status product, by value (percent)			
Oil/petroleum	99	98	98
Petrochemicals	1	2	2
Vehicles [Aircraft/spacecraft in 2014]	<1	<1	<1
Plastic/rubber	<1	<1	<1
Other	<1	<1	<1
Consumer prod. [Textiles/footwear in 2014]	<1	<1	<1
Warehouse/distribution activity			
Number of companies	278	335	345
Merchandise received	1,000-5,000	1,000-5,000	1,000-5,000
Exports	500-750	500-750	500-750
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000
Production activity - zone/subzone			
Zone 9 Pacific Allied Products, Ltd.			
Merchandise received	5-10	1-5	1-5
Exports	-	-	-
Total shipments	5-10	1-5	1-5
Subzone 9A Hawaii Independent Energy, L.L.C. 1/			
Merchandise received	1,000-5,000	1,000-5,000	1,000-5,000
Exports	250-500	100-250	500-750
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000
Subzone 9E Chevron Corporation 2/			
Merchandise received	1,000-5,000	1,000-5,000	1,000-5,000
Exports	25-50	50-75	25-50
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000
Subzone 9F Hawaii Gas 3/			
Merchandise received	50-75	50-75	50-75
Exports	-	-	-
Total shipments	50-75	50-75	25-50

1/ Subzone 9A was Tesoro Hawaii Corporation in 2012.

2/ Subzone 9E was Chevron Products Company in 2012.

3/ Subzone 9F was The Gas Company, LLC in 2012.

Source: United States Foreign-Trade Zones Board, *74th Annual Report of the Foreign-Trade Zones Board to the Congress of the United States*, Appendix D (August 2014); *75th Annual Report of the Foreign-Trade Zones Board to the Congress of the United States*, Appendix D (August 2013); and *76th Annual Report of the Foreign-Trade Zones Board to the Congress of the United States*, Appendix D (August 2015) <<http://enforcement.trade.gov/ftzpage/annual-report.html>> accessed October 28, 2015.

**Table 24.05-- COMMODITY EXPORTS TOTAL AND TO TOP  
25 FOREIGN COUNTRIES: 2012 TO 2015**

[In millions of dollars. Includes merchandise exports originated in Hawaii and exported through other customs districts. Exports are by "point of origin" of their journey to export, a transportation not production basis. Top 25 countries based on 2015 dollar value]

Country	2012	2013	2014	2015
Total	732	598	1,447	1,896
Top 25 foreign countries	712	574	1,394	1,878
Australia	260	114	500	1,278
Singapore	35	103	132	119
Japan	127	86	184	80
China	71	89	221	78
Vietnam	3	4	6	74
Panama	1	11	106	62
Korea, South	45	41	93	40
Canada	30	21	27	30
Hong Kong	23	17	22	21
El Salvador	-	-	-	16
Taiwan	22	26	17	13
India	1	-	1	10
New Zealand	16	7	13	9
Switzerland	2	3	1	7
Philippines	4	4	4	7
Malaysia	11	1	10	6
United Kingdom	4	12	3	5
Malta	-	-	-	4
Guatemala	-	-	-	4
Indonesia	24	3	28	4
Thailand	5	2	3	3
Germany	5	4	16	2
Netherlands	17	20	3	2
France	2	3	3	2
Mexico	4	2	2	2

Source: U.S. Census Bureau, Foreign-Trade Division "Total U.S. Exports (Origin of Movement) via Hawaii - Top 25 6-digit HS Commodities Based on 2015 Dollar Value"  
<<http://www.census.gov/foreign-trade/statistics/state/data/hi.html>> accessed April 14, 2016.

**Table 24.06-- COMMODITY IMPORTS TOTAL AND FROM TOP  
25 FOREIGN COUNTRIES: 2012 TO 2015**

[In millions of dollars. U.S. Imports by State of Final Destination (State Import Series).  
Top 25 countries based on 2015 dollar value]

Country	2012	2013	2014	2015
Total	6,662	6,097	5,330	3,758
Top 25 foreign countries	5,058	5,034	4,835	3,622
Indonesia	301	810	785	816
Russia	855	535	-	477
France	512	606	664	387
Japan	314	438	317	312
China	310	299	262	279
Canada	141	140	255	265
Korea, South	73	536	194	214
Vietnam	380	538	446	193
Argentina	542	265	531	132
Nigeria	-	-	80	111
Taiwan	33	45	46	51
Italy	38	43	43	38
Thailand	839	364	291	38
Ecuador	22	3	38	37
United Arab Emirates	-	-	634	34
United Kingdom	13	30	36	32
Germany	17	31	31	32
Australia	32	57	25	30
Philippines	24	29	27	28
New Zealand	31	32	31	27
Malaysia	6	37	15	19
Netherlands	12	25	19	19
Switzerland	47	35	33	19
Libya	509	105	-	17
Peru	5	32	33	15

Source: U.S. Census Bureau, Foreign-Trade Division "Total U.S. Imports via Hawaii - Top 25 6-digit HS Commodities Based on 2015 Dollar Value"

<<http://www.census.gov/foreign-trade/statistics/state/data/imports/hi.html>> accessed July 11, 2016.

**Table 24.07-- TOTAL AND TOP 25 CATEGORIES OF COMMODITY  
EXPORTS TO FOREIGN COUNTRIES: 2012 TO 2015**

[In millions of dollars. Includes merchandise exports originated in Hawaii and exported through other customs districts. Exports are by "point of origin" of their journey to export, a transportation not production basis]

<b>Commodity</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
All commodities	732	598	1,447	1,896
Top 25 commodities based on 2015 value	517	410	1,211	1,720
Airplane & OT A/C, unladen weight > 15,000 KG	173	-	-	516
Parts of airplanes or helicopters, NESOI 1/	52	83	303	347
Helicopters of an unladen weight > 2,000 kg	-	-	94	307
Petrol oil bitum mineral (NT crude etc NT bio	-	27	292	165
Lt oils, preps GT=70% petroleum/bitum NT biod	65	69	128	125
Gas turbines of a power exceeding 5,000 KW	-	1	-	32
Arom hydc NESOI 65 pct AO DSTLS A 250DC ASTM D 1/	-	10	143	25
Ferrous waste & scrap NESOI 1/	48	33	35	21
Cold-water shrimps and prawns, not frozen	10	18	26	20
Exports of military equipment, not identified	1	6	34	20
Civilian aircraft, engines and parts	83	71	57	15
Aluminum waste and scrap	15	17	18	15
Waters, not sweetened or flavored NESOI; ice, etc. 1/	-	-	9	12
Cocoa preparations, not in bulk form, NESOI 1/	16	15	12	11
Nonconiferous wood in the rough NESOI, not treat 1/	5	7	10	10
Meat of bovine animals, boneless, fresh or chilled	-	-	-	10
Macadamia nuts, in shell, fresh or dried	1	-	1	10
Machines for reception, conversion, transmission or regeneration of voice, images or other data	3	2	1	9
Tank & other armored fight vehicles, motorized; etc.	1	1	8	8
Papayas (papaws), fresh	9	9	10	8
App for the transmission/reception of voice/images/data	-	-	6	8
Coffee, not roasted, not decaffeinated	4	9	4	7
Parts and accessories of shotguns/rifles head	-	-	1	7
Water, mineral & aerated natural/artificial not sweetened	24	23	10	7
Waste, scrap unbleach kraft, corrugated paper	8	7	8	6

1/ NESOI- Not elsewhere specified or indicated.

Source: U.S. Census Bureau, Foreign-Trade Division "Total U.S. Exports (Origin of Movement) via Hawaii - Top 25 6-digit HS Commodities Based on 2015 Dollar Value"

<<http://www.census.gov/foreign-trade/statistics/state/data/hi.html>> accessed April 14, 2016.

**Table 24.08-- TOTAL AND TOP 25 CATEGORIES OF COMMODITY IMPORTS FROM FOREIGN COUNTRIES: 2012 TO 2015**

[In millions of dollars. U.S. Imports by State of Final Destination (State Import Series)]

Commodity	2012	2013	2014	2015
Total Hawaii imports	6,662	6,097	5,330	3,758
Top 25 commodities based on 2015 dollar value	5,755	4,953	4,456	3,000
Crude oil from petroleum and bituminous minerals	4,773	3,307	3,005	1,798
Airplane & other aircraft, unladen weight > 15,000 kg	452	565	636	363
Petrol oil bitum mineral (NT crude) etc NT bio	24	583	276	269
Passenger vehicles SPK-IG INT COM RCPR P ENG > 1500 NOV	133	119	118	128
Passenger vehicles, spark ign eng com RCPR P ENG > 3000 CC	77	86	92	108
Bituminous coal, not agglomerated	38	41	46	43
Aluminum doors, windows & frames & thresholds for doors	1	4	5	31
Photosensitive semiconductor devices, include photovoltaic cells	45	37	30	24
Tuna, skipjack/stripe-bellied bonito fillet	6	4	13	23
Portland cement except white Portland cement	12	14	17	23
Propane, liquified	16	22	29	20
Meat of bovine animals, boneless, frozen	14	14	15	19
Jewelry and parts thereof, of other precious metal	33	27	24	19
Pebbles, gravel etc for concrete aggregates	25	19	35	18
Beer made from malt	16	13	17	16
Wooden kitchen furniture, except seats	11	14	16	15
Wooden furniture, NESOI 1/	13	16	14	12
Food preparations, NESOI 1/	7	7	7	10
Sacks & bags (including cones) of ploymers of ethylene	7	8	8	9
Handbags surface of leather or composition leather	11	11	9	9
Seats with wooden frames, upholstered, NESOI 1/	9	9	10	9
Container bags, cases etc. NESOI, plastic/text 1/	9	8	9	9
Bread, pstry, cakes, etc. NESOI & puddings 1/	7	9	9	8
Waterskis surfboard water-sprt eq ex slbrd; pts & etc.	10	10	10	8
Wine from grape NESOI & grape must with alcohol, Vol < 2L 1/	6	7	6	8

1/ NESOI- Not elsewhere specified or indicated.

Source: U.S. Census Bureau, Foreign-Trade Division "Total U.S. Imports via Hawaii - Top 25 6-digit HS Commodities Based on 2015 Dollar Value"

<<http://www.census.gov/foreign-trade/statistics/state/data/imports/hi.html>> accessed July 11, 2016.

**Table 24.09--FOREIGN AGRICULTURAL EXPORTS FOR HAWAII AND THE UNITED STATES: 1973 TO 2014**

[In millions of dollars. Annual estimates of U.S. exports by State and commodity group based on each State's share of U.S. agricultural production. ERS provided estimates using both old and new methods for 2010, but will update and maintain only the new calendar year farm receipts-based estimates beginning with the 2011 estimates. The 'New' series 2000 to 2013 estimates are revised for Hawaii and 2012 and 2013 for the U.S. For discussion of methodology, see ERS "Documentation" <<http://www.ers.usda.gov/data-products/state-export-data/documentation.aspx>>]

Year	Hawaii	United States	Year	Hawaii	United States
Old series 1/					
1973	19.7	12,043.9	1992	77.0	42,598.3
1974	20.9	20,023.7	1993	70.1	42,831.5
1975	26.6	21,854.3	1994	65.5	43,911.4
1976	24.9	22,760.4	1995	79.8	54,644.0
1977	58.6	24,013.4	1996	84.5	59,751.9
1978	19.1	27,306.2	1997	91.0	57,269.2
1979	19.7	31,982.8	1998	76.7	53,652.9
1980	41.6	40,481.4	1999	76.2	49,043.3
1981	44.6	43,780.1	2000	73.2	51,265.5
1982	39.6	39,094.5	2001	59.9	52,717.1
1983	37.7	34,771.2	2002	51.2	53,319.3
1984	16.1	38,026.8	2003	54.7	56,014.0
1985	36.0	31,200.8	2004	67.3	62,400.4
1986	30.8	26,324.7	2005	83.3	62,517.3
1987	32.0	27,875.2	2006	82.0	68,593.7
1988	38.0	35,378.7	2007	75.4	82,216.8
1989	40.7	39,651.0	2008	146.6	114,909.7
1990	63.7	40,349.4	2009	181.0	96,295.1
1991	76.3	37,756.9	2010	190.2	108,663.7
New series 2/					
2000	151.5	51,265.5	2008	283.8	114,761.4
2001	158.6	53,678.9	2009	301.9	98,453.9
2002	153.3	53,144.2	2010	337.4	115,820.1
2003	160.0	59,392.7	2011	395.4	136,444.4
2004	165.4	61,418.1	2012	415.8	141,550.2
2005	187.1	63,182.3	2013	357.4	144,359.3
2006	199.9	70,950.4	2014	400.4	150,014.5
2007	212.7	89,991.8			

1/ Fiscal year (year ending September 30) exports based on each State's share of U.S. agricultural production. Data from 1990 forward is updated using consistent methodology and commodity coverage. Data for 1989 and prior may be kinked due to differences in methodology and commodity coverage.

2/ A new calendar year series of export estimates based on U.S. farm cash receipts.

Source: U.S. Department of Agriculture, Economic Research Service, "U.S. Agricultural Exports, State detail by commodity [Old series]: FY1973-2010" (June 30, 2011) ; Ibid. "U.S. Agricultural Exports, Commodity detail by State [New series]: CY2000-2014" (October 27, 2015)

<<http://www.ers.usda.gov/data-products/state-export-data.aspx>> accessed June 6, 2016.

**Table 24.10-- FOREIGN AGRICULTURAL EXPORTS, BY COMMODITY GROUP: 1973 TO 2010**

[In millions of dollars. For fiscal year ending September 30. Data from 1990 use consistent methodology and commodity coverage. USDA has discontinued this series]

Year	Total 1/	Wheat & products	Fruit & preps	Tree nuts	Veg. & preps	Live animals & meat	Hides & skins	Poultry & products	Fats, oils, & greases	Dairy products	Feeds & fodders	Seeds	Other 2/
1973	19.7	-	15.9	-	0.1	-	0.4	0.1	-	-	-	-	2.7
1974	20.9	-	15.0	-	0.1	-	0.3	0.2	-	-	-	-	4.5
1975	26.6	-	22.7	-	0.5	-	0.4	0.1	-	-	-	-	2.0
1976	24.9	-	20.1	-	0.8	-	0.6	0.3	-	-	-	-	2.0
1977	58.6	-	49.9	-	0.9	-	0.7	0.4	-	-	-	-	5.3
1978	19.1	-	14.1	-	1.0	-	0.7	0.5	-	-	-	-	1.3
1979	19.7	-	14.2	-	1.0	-	1.1	0.5	-	-	-	-	1.3
1980	41.6	-	26.4	12.4	-	1.0	0.6	-	0.8	-	-	-	0.4
1981	44.6	-	30.7	10.6	-	1.2	0.8	-	0.9	-	-	-	0.4
1982	39.6	-	28.3	8.2	-	1.3	1.0	-	0.4	-	-	-	0.4
1983	37.7	-	27.9	7.4	-	0.8	0.7	-	0.5	-	-	-	0.4
1984	16.1	-	28.8	15.4	-	-	-	-	-	-	-	-	0.9
1985	36.0	-	20.9	14.3	-	-	-	-	-	-	-	-	0.8
1986	30.8	-	20.5	9.5	-	-	-	-	-	-	-	-	0.8
1987	32.0	-	19.0	12.1	-	-	-	-	-	-	-	-	0.9
1988	38.0	-	22.0	14.9	-	-	-	-	-	-	-	-	1.1
1989	40.7	-	28.4	10.7	-	-	-	-	-	-	-	-	1.6
1990	63.7	-	45.4	4.1	0.1	3.9	2.7	0.5	0.7	-	0.3	0.8	5.1
1991	76.3	-	53.5	4.8	0.2	4.0	1.9	0.6	0.6	-	0.3	0.7	9.7
1992	77.0	-	50.0	10.3	0.2	4.2	1.6	0.6	0.6	-	0.4	1.3	7.9
1993	70.1	-	46.2	9.2	0.4	3.4	1.2	0.6	0.5	-	0.4	1.4	6.8
1994	65.5	-	46.0	7.5	0.4	2.0	0.7	0.6	0.3	-	0.3	1.0	6.8
1995	79.8	-	56.4	10.3	0.4	2.0	0.7	0.9	0.4	0.7	0.2	1.0	6.8
1996	84.5	-	60.1	11.2	0.4	1.8	0.6	0.9	0.2	0.6	0.2	0.6	7.8
1997	91.0	-	63.0	13.3	0.4	1.9	0.6	0.9	0.2	0.7	0.3	0.9	8.7
1998	76.7	-	56.0	7.4	0.5	2.1	0.6	0.9	0.3	0.8	0.3	0.8	7.1
1999	76.2	-	55.9	7.9	0.6	1.9	0.4	0.7	0.2	0.7	0.3	0.4	7.4
2000	73.2	-	47.9	11.3	1.2	2.1	0.5	0.6	0.2	0.7	0.3	0.9	7.8
2001	59.9	-	39.9	-	1.2	1.8	0.5	0.5	0.1	-	0.3	0.8	14.8
2002	51.2	-	32.5	-	-	1.6	0.4	0.4	0.1	-	0.2	0.8	15.1
2003	54.7	-	35.6	-	-	1.4	0.4	0.4	0.1	-	0.2	0.5	16.0
2004	67.3	-	46.4	-	-	1.5	0.4	0.3	0.2	-	0.2	0.5	17.8
2005	83.3	7.7	54.2	-	-	0.8	0.4	0.4	0.1	-	0.2	0.5	19.0
2006	82.0	8.9	49.9	-	-	1.1	0.5	0.3	0.1	-	0.2	0.3	20.7
2007	75.4	10.5	38.6	0.2	-	1.2	0.5	0.3	0.2	-	0.2	0.6	23.0
2008	146.6	11.5	43.2	62.8	-	1.5	0.5	0.3	0.3	-	0.3	0.9	25.2
2009	181.0	13.3	38.1	103.4	-	1.7	0.4	0.3	0.2	-	0.3	1.3	21.8
2010	190.2	14.2	35.1	113.2	-	1.7	0.6	0.4	0.3	-	0.3	0.5	23.9

1/ Rice, feed grains, soybeans and products, sunflowerseed and products, peanuts and products, cotton and lint, cottonseed and products, unmanufactured tobacco are zero.

2/ Other includes sugar & tropical products, minor oilseeds, essential oils, beverages other than juice, nursery & greenhouse, wine, & misc. horticultural & vegetable products.

Source: U.S. Department of Agriculture, Economic Research Service, "U.S. Agricultural Exports, State detail by commodity [Old series]: FY1973-2010" (June 30, 2011)

<<http://www.ers.usda.gov/data-products/state-export-data.aspx>> accessed July 2, 2012.

**Table 24.11--FOREIGN AGRICULTURAL EXPORTS, BY COMMODITY GROUP: 2000 TO 2014**

[In millions of dollars. Annual estimates of U.S. exports by State and commodity group based on each state's share of U.S. agricultural production. ERS is provided estimates using both old and new methods for 2010, but beginning with 2011 updates and maintains only this new calendar year farm receipts-based estimates. For discussion of methodology, see ERS "Documentation" <<http://www.ers.usda.gov/data-products/state-export-data/documentation.aspx>>]

Export 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total agricultural exports	151.5	158.6	153.3	160.0	165.4	187.1	199.9	212.7	283.8	301.9	337.4	395.4	415.8	357.4	400.4
Total animal products	18.5	18.5	19.1	13.9	12.5	12.5	11.4	16.2	30.5	25.8	31.7	41.7	50.2	15.0	44.3
Beef and veal	1.7	1.5	1.5	1.5	0.4	0.6	1.1	1.4	1.6	2.0	2.5	4.0	4.4	4.6	5.4
Pork	0.5	0.6	0.8	0.6	0.7	0.8	0.8	0.8	1.0	0.9	1.0	0.7	0.7	0.6	0.8
Hides and skins	0.7	0.9	0.8	0.7	0.8	0.7	1.0	1.0	0.9	0.8	1.1	1.6	1.7	1.8	1.7
Other livestock products 2/	12.9	13.1	14.0	9.0	8.4	8.0	6.3	11.3	25.4	20.1	24.8	32.9	41.2	5.2	33.7
Dairy products	1.3	1.2	1.0	1.0	1.1	1.1	1.1	0.8	0.6	0.7	1.0	1.2	1.3	1.7	1.5
Broiler meat	0.2	0.2	0.2	0.2	0.1	-	-	-	-	-	-	-	-	-	-
Other poultry products 3/	1.0	1.0	0.8	0.9	1.0	1.2	1.1	0.9	1.1	1.3	1.3	1.3	0.9	1.1	1.2
Total plant products	133.0	140.2	134.2	146.1	152.9	174.6	188.5	196.5	253.3	276.1	305.8	353.7	365.5	342.4	356.0
Vegetables, fresh	13.2	13.0	12.8	13.4	13.1	13.7	14.2	11.0	1.5	1.1	1.2	1.4	1.1	1.0	1.1
Vegetables, processed	20.0	19.5	18.1	17.5	17.7	17.9	18.7	15.1	2.5	1.8	1.9	2.2	2.1	1.9	2.1
Fruits, fresh	9.8	9.5	9.1	9.8	8.6	12.3	11.8	12.9	12.3	12.6	13.4	13.3	15.2	18.5	19.0
Fruits, processed	9.0	8.4	8.0	8.7	8.2	10.1	10.9	12.3	11.3	11.1	11.9	12.3	13.0	16.4	17.1
Tree nuts	21.7	24.8	19.0	21.1	24.3	29.3	31.1	18.1	30.5	26.8	23.1	29.6	27.5	26.0	32.3
Other plant products 4/	59.2	64.9	67.2	75.7	80.9	91.2	101.7	127.0	195.2	222.8	254.2	294.9	306.7	278.6	284.4

1/ Rice, wheat, corn, grain products processed, feeds and other feed grains, processed grain products, soybeans, soybean meal, vegetable oils, other oilseeds and products, cotton, and tobacco are zero over the period.

2/ Includes other nonpoultry meats, animal fat, live farm animals, and other animal parts.

3/ Includes turkey meat, eggs, and other fowl products.

4/ Includes sweeteners and products, other horticulture products, planting seeds, cocoa, coffee, and other processed foods.

Source: U.S. Department of Agriculture, Economic Research Service, "U.S. Agricultural Exports, Commodity detail by State [New series]: CY2000-2014" (October 27, 2015) <<http://www.ers.usda.gov/data-products/state-export-data.aspx>> accessed June 6, 2016.

**Table 24.12-- PROFILE OF IMPORTING AND EXPORTING COMPANIES,  
UNITED STATES AND HAWAII: 2012 TO 2014**

[In number, millions of dollars, and percent]

Characteristic	2012		2013		2014	
	U.S.	Hawaii	U.S.	Hawaii	U.S.	Hawaii
Exports by state of origin of movement 1/						
Value of exports	1,545,709	732	2/ 1,579,593	598	1,620,532	1,447
Value as percent of total	100.0	(3/)	100.0	(3/)	100.0	(3/)
Known value 4/	1,381,728	455	2/ 1,406,438	458	1,441,914	913
Percent of known value	100.0	(3/)	100.0	(3/)	100.0	(3/)
Number of identified exporters	305,669	891	2/ 305,026	863	304,466	883
Percent of number of ident. exp.	100.0	0.3	100.0	0.3	100.0	0.3
Percent change from previous year						
Value of exports	4.4	-17.2	2.2	-18.3	2.6	142.0
Known value 4/	4.3	-37.2	2/ 1.8	2/ 0.7	2.5	99.3
Number of exporters	0.7	1.3	2/ -0.2	2/ -3.1	-0.2	2.3
Imports by state of destination 5/						
Value of imports	2,275,320	6,771	2,268,321	6,097	2,347,685	5,330
Value as percent of total	100.0	0.3	100.0	0.3	100.0	0.2
Known value 4/	2,007,762	6,540	1,986,142	5,836	2,057,714	5,145
Percent of known value	100.0	0.3	100.0	0.3	100.0	0.3
Number of identified exporters	185,729	2,081	184,208	2,031	187,825	2,054
Percent of number of ident. imp.	100.0	1.1	100.0	1.1	100.0	1.1
Percent change from previous year						
Value of imports	3.1	13.3	-0.3	-10.0	3.5	-12.6
Known value 4/	3.2	13.3	-1.1	-10.8	3.6	-11.8
Number of importers	1.0	3.4	-0.8	-2.4	2.0	1.1

1/ The Exporter Location designation has not been reported as of the 2000-2001 publication and had been discontinued as of January 2003. See <<http://www.census.gov/foreign-trade/Press-Release/notice.html>>.

2/ Revised from previous *Data Book*.

3/ Represents zero or one-half unit of measurement shown.

4/ Defined as portion of total U.S. exports that could be matched to specific companies.

5/ Series introduced with the 2008 data.

Source: U.S. Census Bureau, *Profile of U.S. Importing and Exporting Companies, 2011-2012* (pp. 49-53) <<http://www.census.gov/foreign-trade/Press-Release/edb/2012/edbrel.pdf>> accessed June 10, 2014; *Ibid. 2012-2013* (pp. 49-53) <<http://www.census.gov/foreign-trade/Press-Release/edb/2013/edbrel.pdf>> accessed April 10, 2015; *Ibid. 2013-2014* <<http://www.census.gov/foreign-trade/Press-Release/edb/2014/edbrel.pdf>> accessed April 14, 2016; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.13-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS  
OF FOREIGN OWNERS: 2004 TO 2013**

[The source report is required annually under section 5 of the U.S. Agricultural Foreign Investment Disclosure Act of 1978. Under the Act, any person who holds an Immigration and Naturalization Service Form I-151 or I-551 (green card) is exempt from filing. For 2004 and 2005, approximate landarea as established by the U.S. Census Bureau in conjunction with the 1990 Census of Population there were 4,111,000 acres of land in the state and for 2006 through 2010, 4,110,720 acres with the 2000 Census. Data are as of February 28, 2004 through 2007 and 2009- 2010, and February 29, 2008, reflecting the leap year. A second report was issued for 2010, which contains data gathered between March 1, 2010 and December 31, 2010. Beginning with the 2011, the report will be published only as of the end of each calendar year]

<b>Closing date</b>	<b>Parcels owned by foreigners</b>	<b>Privately owned agricultural land 1/</b>	<b>Acres owned by foreigners</b>	<b>Percent of all privately owned agric. land 2/</b>	<b>Agricultural acres owned by foreigners</b>
Feb. 28, 2004	100	1,986,000	172,186	8.4	167,206
Feb. 28, 2005	103	1,986,000	172,211	8.4	167,600
Feb. 28, 2006	104	1,803,038	172,238	9.3	167,627
Feb. 28, 2007	105	1,803,038	172,619	9.3	168,008
Feb. 29, 2008	106	1,803,038	162,590	8.8	157,974
Feb. 28, 2009	114	1,803,038	163,495	8.8	158,874
Feb. 28, 2010	114	1,803,038	163,495	8.8	158,874
Dec. 31, 2010	115	1,803,038	163,527	8.8	158,884
Dec. 31, 2011	116	1,803,038	163,530	8.8	158,887
Dec. 31, 2012	116	1,803,038	163,530	8.8	158,887
Dec. 31, 2013	115	1,803,038	163,498	8.8	158,887

1/ Preliminary estimate based on unpublished USDA, Economic Research Service 1997 data through 2005, and for 2006-2010, similar unpublished 2002 data of Ruben Lubowski, Economic Research Service. Total land area minus federal, state, county and municipal; Indian Trust; rural transportation; and urban lands. Includes forest land, pasture land, cropland, range, and miscellaneous. Estimates of urban and rural transportation lands are from U.S. Department of Agriculture, Economic Research Service, 2006 and estimates of federal and other public lands are from the General Services Administration, 2001 and National Resource Conservation Service, 2002 respectively.

2/ The December 31, 2013 percentage for Hawaii ranked 2nd (rank of 1 assigned to the highest) among the 50 States, exceeded only by Maine at 16.5 percent and well above the national percentage of 2.0 percent.

Source: U.S. Department of Agriculture, Farm Service Agency, *Foreign Ownership of U. S. Agricultural Land Through February 28* (annual except 2008 when it was through February 29), reports 1 and 3 and *Ibid. Foreign Holdings of U.S. Agricultural Land Through December 31* (annual), reports 1, 2 and 3 <<http://www.fsa.usda.gov/programs-and-services/economic-and-policy-analysis/afida/index>> accessed June 23, 2016.

**Table 24.14-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS, BY COUNTRY AND BY COUNTY: 2012 AND 2013**

[The source report is required annually under section 5 of the U.S. Agricultural Foreign Investment Disclosure Act of 1978. Under the Act, any person who holds an Immigration and Naturalization Service Form I-151 or I-551 (green card) is exempt from filing. Based on a 2000 estimate from the U.S. Census Bureau Geography Division, there were 4,111,720 acres of land. Privately-owned: land area minus federal, state, county and municipal; Indian Trust; rural transportation; and urban lands. Includes forest land, pasture land, cropland, range, and miscellaneous]

Subject	State total	Honolulu	Hawaii	Kauai	Maui
December 31, 2012					
Parcels owned by foreigners	116	11	75	7	23
Use of landholdings of foreign owners	163,530	6,153	96,082	7,927	53,368
Agriculture	158,887	2,960	94,885	7,886	53,156
Cropland	38,847	1,843	34,149	133	2,722
Pasture	78,852	-	28,332	2,849	47,671
Forest	7,081	-	1,740	4,201	1,140
Other agriculture	34,107	1,117	30,664	703	1,623
Non agriculture	4,643	3,193	1,197	41	212
Acres owned by foreigners	163,530	6,153	96,082	7,927	53,368
Canada	82	-	66	-	16
Germany	434	-	23	384	27
Netherlands	37,410	-	37,408	-	2
United Kingdom	3,128	-	3,128	-	-
All others	122,476	6,153	55,457	7,543	53,323
December 31, 2013					
Parcels owned by foreigners	115	11	74	7	23
Use of landholdings of foreign owners	163,498	6,153	96,050	7,927	53,368
Agriculture	158,877	2,960	94,875	7,886	53,156
Cropland	38,847	1,843	34,149	133	2,722
Pasture	78,852	-	28,332	2,849	47,671
Forest	7,071	-	1,730	4,201	1,140
Other agriculture	34,107	1,117	30,664	703	1,623
Non agriculture	4,621	3,193	1,175	41	212
Acres owned by foreigners	163,498	6,153	96,050	7,927	53,368
Canada	82	-	66	-	16
Germany	434	-	23	384	27
Netherlands	37,378	-	37,376	-	2
United Kingdom	3,128	-	3,128	-	-
All others	122,476	6,153	55,457	7,543	53,323

Source: U.S. Department of Agriculture, Farm Service Agency, *Foreign Ownership of U. S. Agricultural Land Through December 31* (annual) reports 2 and 3

<<http://www.fsa.usda.gov/programs-and-services/economic-and-policy-analysis/afida/index>> accessed June 23, 2016.

**Table 24.15-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES, BY COUNTRY OF ULTIMATE BENEFICIAL OWNER: 1977 TO 2006**

[Data for Hawaii nonbank affiliates owned 10 percent or more, directly or indirectly, by a foreign person. Amounts are book values, in millions of dollars. 1981-1983 Hawaii totals are estimated based on historical shares and growth rates]

Year	All countries	Asia & Pacific	Japan	Australia, etc. 1/	Other Asia & Pacific	Canada	Europe	Lat. Amer. & other W. Hem.	Other, subtotal 2/
1977	672	(NA)	374	1	(NA)	31	83	(D)	(D)
1978	742	(NA)	407	1	(NA)	37	69	3	225
1979	789	(NA)	445	1	(NA)	51	109	5	178
1980	1,020	(NA)	565	(D)	(NA)	115	119	18	(D)
1981	1,158	(NA)	664	2	(NA)	94	134	16	(D)
1982	1,366	(NA)	758	(D)	(NA)	96	213	17	(D)
1983	1,460	(NA)	1,098	(D)	(NA)	93	(D)	18	(D)
1984	1,691	(NA)	1,203	(D)	(NA)	96	187	18	(D)
1985	1,777	(NA)	1,278	102	(NA)	99	129	20	149
1986	2,013	(NA)	1,442	109	(NA)	113	171	32	146
1987	3,474	3,201	2,969	125	107	66	134	66	7
1988	4,990	4,570	4,235	136	199	78	261	73	8
1989	8,224	7,660	6,757	666	237	88	368	97	11
1990	11,830	10,872	9,960	(D)	(D)	68	759	119	(D)
1991	13,921	12,853	11,866	736	251	80	837	139	12
1992	15,454	14,630	13,601	738	291	121	487	209	7
1993	16,030	15,137	13,935	867	335	183	487	217	6
1994	16,185	15,289	13,948	858	483	198	454	230	14
1995	15,972	14,958	13,372	(D)	(D)	227	507	218	(D)
1996	15,324	14,342	12,980	(D)	(NA)	55	677	172	(NA)
1997	14,805	13,478	12,516	(D)	(D)	108	870	222	127
1998	12,453	11,033	10,552	34	447	119	900	274	127
1999	11,460	10,113	9,689	35	389	118	823	274	132
2000	10,369	8,983	8,452	36	495	28	948	272	138
2001	9,787	8,354	7,924	38	392	28	1,049	246	110
2002 3/	7,816	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2003 3/	7,579	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2004 3/	6,741	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2005 3/	5,838	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2006 3/ 4/	8,007	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.

NA Not available.

1/ Figures for Australia include New Zealand and South Africa for 1977-86 but exclude these countries thereafter.

2/ Figures for Other subtotal include New Zealand and South Africa for 1987-1998 but exclude these countries for 1977-86. Figures for Other subtotal include Middle East, Africa less South Africa, Other Asia and Pacific less New Zealand, and United States for those years.

3/ Beginning with 2002, the survey data was largely tabulated for majority-owned (50 percent or more foreign direct investor) affiliates.

4/ The Nonbank U.S. Affiliates series ended with 2006. Beginning with 2007, it was replaced by a series that includes both bank and nonbank affiliates. See Tables 24.20 and 24.21 for 2007- 2010 Hawaii data.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey* (various years) and <<http://www.bea.gov/international/di1fdiop.htm>> accessed July 4, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.16-- EMPLOYMENT OF NONBANK AFFILIATES IN HAWAII, BY COUNTRY OF AFFILIATE: 1977 TO 2006**

[Data for Hawaii nonbank affiliates owned 10 percent or more, directly or indirectly, by a foreign person. Employment in thousands]

Year	All countries	Asia & Pacific	Japan	Australia, etc. 1/	Other Asia & Pacific	Canada	Europe	Lat. Amer. & other W. Hem.	Other, subtotal 2/
1977	11.4	(NA)	7.3	0.1	(NA)	0.3	0.5	(D)	(D)
1978	11.9	(NA)	7.2	(D)	(NA)	0.4	0.8	(D)	3.1
1979	14.7	(NA)	8.6	(D)	(NA)	0.6	1.3	(D)	3.4
1980	15.5	(NA)	9.0	(D)	(NA)	0.7	1.5	(D)	(D)
1981	17.0	(NA)	9.1	(D)	(NA)	0.7	1.6	1.1	(D)
1982	16.4	(NA)	9.3	0.4	(NA)	0.6	2.2	(D)	(D)
1983	16.3	(NA)	9.7	(D)	(NA)	0.6	1.7	0.7	(D)
1984	16.5	(NA)	9.8	(D)	(NA)	0.5	2.2	0.8	(D)
1985	18.7	(NA)	11.7	(D)	(NA)	0.5	1.6	0.8	(D)
1986	18.4	(NA)	10.9	1.1	(NA)	0.7	1.8	2.1	1.8
1987	27.3	22.8	20.6	1.4	0.8	0.7	1.0	(D)	(D)
1988	34.8	27.2	24.3	1.5	1.4	0.8	3.2	3.5	1.5
1989	45.0	36.1	30.3	2.6	3.2	0.8	4.0	3.7	3.6
1990	53.0	42.3	36.0	2.7	3.6	0.7	6.2	3.6	3.8
1991	56.0	44.8	38.3	3.2	3.3	0.7	6.1	4.0	3.7
1992	53.8	42.1	36.5	3.3	2.3	0.5	6.5	4.0	3.0
1993	52.4	43.1	37.5	3.5	2.1	1.5	3.6	4.0	2.3
1994	50.8	40.4	37.0	1.4	2.0	1.4	4.0	4.7	0.3
1995	48.9	37.7	34.3	1.7	1.7	1.6	4.3	4.6	0.7
1996	47.5	36.0	32.6	1.5	1.9	0.9	6.8	2.9	0.9
1997	50.2	37.5	34.0	(D)	(D)	1.5	7.0	2.9	(D)
1998	43.4	31.4	30.0	(D)	(D)	1.1	6.2	3.7	1.0
1999	44.3	31.5	29.9	(3/)	(D)	0.9	7.1	3.7	1.1
2000	44.8	29.9	28.5	(D)	(D)	1.3	8.5	3.8	1.3
2001	41.0	27.5	26.2	(D)	(NA)	0.8	7.9	3.9	0.9
2002 4/	37.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2003 4/	35.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2004 4/	31.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2005 4/	29.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2006 4/ 5/	28.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.

NA Not available.

1/ Figures for Australia include New Zealand and South Africa for 1977-86 but exclude these countries thereafter.

2/ Figures for Other subtotal include New Zealand and South Africa for 1987-1998 but exclude these countries for 1977-86. Figures for Other subtotal include Middle East, Africa less South Africa, Other Asia and Pacific less New Zealand, and United States for those years.

3/ Fewer than 50 employees.

4/ Beginning with 2002, the survey data was largely tabulated for majority-owned (50 percent or more foreign direct investor) affiliates. See also Table 24.20.

5/ The Nonbank U.S. Affiliates series ended with 2006. Beginning with 2007, it was replaced by a series that includes both bank and nonbank affiliates. See Tables 24.20 and 24.21 for 2007- 2010 Hawaii data.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey* (various years) and <<http://www.bea.gov/international/di1fdiop.htm>> accessed July 4, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.17-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES, BY INDUSTRY OF AFFILIATE: 1977 TO 2006**

[Investment by Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or indirectly, by a foreign person. In millions of dollars. Data for 1996 are the last year presented according to the International Survey Industry based on the 1987 Standard Industrial Classification. See Table 24.16 for detailed 1997-2001 estimates]

Year	All industries	Petroleum	Manufacturing	Wholesale trade	Retail trade	Finance, nonbank	Insurance	Real estate	Services & other	Services	Other
1977	672	16	8	5	54	-	1	233	354	(NA)	(NA)
1978	742	17	12	8	57	1	1	246	400	(NA)	(NA)
1979	789	17	14	7	65	1	1	256	427	(NA)	(NA)
1980	1,020	(D)	(D)	17	52	(D)	2	431	474	(NA)	(NA)
1981	1,158	(D)	24	(D)	(D)	1	2	494	501	(NA)	(NA)
1982	1,366	21	38	24	80	(D)	1	584	(D)	(NA)	(NA)
1983	1,460	22	40	28	253	10	1	558	(D)	(NA)	(NA)
1984	1,691	23	73	56	274	3	3	605	653	(NA)	(NA)
1985	1,777	26	103	60	281	3	2	584	719	(NA)	(NA)
1986	2,013	31	157	61	280	4	1	713	767	(NA)	(NA)
1987	3,474	26	129	44	297	3	(D)	991	(D)	1,860	(D)
1988	4,990	28	201	91	322	3	8	1,739	2,598	2,371	227
1989	8,224	(D)	247	179	340	10	15	2,380	(D)	4,309	(D)
1990	11,830	(D)	368	189	490	17	15	3,868	(D)	5,855	(D)
1991	13,921	(D)	386	212	535	82	13	4,069	(D)	7,385	(D)
1992	15,454	(D)	290	(D)	564	222	17	5,075	8,450	7,939	511
1993	16,030	(D)	296	258	570	300	(D)	4,907	8,970	8,454	516
1994	16,185	(D)	308	257	597	306	18	4,615	(D)	8,863	(D)
1995	15,972	(D)	319	168	626	(D)	21	4,374	9,255	8,480	775
1996	15,324	(D)	279	181	739	205	(D)	4,167	8,830	8,072	758
1997	14,805	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1998	12,453	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1999	11,460	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2000	10,369	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2001	9,787	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2002 1/	7,816	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2003 1/	7,579	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2004 1/	6,741	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2005 1/	5,838	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2006 1/ 2/	8,007	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.

NA Not available.

1/ Beginning with 2002, the survey data was largely tabulated for majority-owned (50 percent or more foreign direct investor) affiliates. See also table 24.20.

2/ The Nonbank U.S. Affiliates series ended with 2006. Beginning with 2007, it was replaced by a series that includes both bank and nonbank affiliates. See Tables 24.20 and 24.21 for 2007 Hawaii data.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey* (various years) and <<http://www.bea.gov/international/di1fdiop.htm>> accessed July 4, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.18-- EMPLOYMENT OF NONBANK AFFILIATES IN HAWAII,  
BY INDUSTRY OF AFFILIATE: 1977 TO 2006**

[Data for Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or indirectly, by a foreign person. Employment in thousands. Employment less than 500 are rounded to zero. Data for 1996 are the last year presented according to the International Survey Industry based on the 1987 Standard Industrial Classification. See Table 24.16 for detailed 1997-2001 estimates]

Year	All industries	Petroleum	Manufacturing	Wholesale trade	Retail trade	Finance, nonbank	Insurance	Real estate	Services & other	Services	Other
1977	11.4	(D)	0.6	0.4	2.9	-	0.2	0.2	(D)	(NA)	(NA)
1978	11.9	(D)	0.8	0.6	3.2	-	0.2	0.2	(D)	(NA)	(NA)
1979	14.7	(D)	1.3	0.7	4.0	-	0.2	0.3	(D)	(NA)	(NA)
1980	15.5	(D)	1.3	0.8	4.0	(D)	0.3	0.5	(D)	(NA)	(NA)
1981	17.0	(D)	1.3	0.8	5.4	0.1	0.3	0.8	(D)	(NA)	(NA)
1982	16.4	(D)	1.9	0.7	4.2	0.3	(D)	0.7	8.4	(NA)	(NA)
1983	16.3	(D)	1.4	0.8	4.5	0.3	0.2	0.7	(D)	(NA)	(NA)
1984	16.5	(D)	2.0	2.0	4.4	0.2	0.3	0.5	(D)	(NA)	(NA)
1985	18.7	(D)	2.0	1.8	5.0	0.2	0.3	1.0	(D)	(NA)	(NA)
1986	18.4	(D)	2.4	2.0	4.5	0.2	0.2	1.3	(D)	(NA)	(NA)
1987	27.3	-	1.3	1.3	5.1	0.2	1.4	0.6	17.4	11.0	6.4
1988	34.8	-	2.1	2.9	5.3	0.2	0.4	1.8	22.2	13.2	9.0
1989	45.0	0.8	2.3	4.0	5.3	0.2	1.0	2.0	29.5	16.9	12.6
1990	53.0	0.9	2.8	4.2	7.1	0.2	1.0	3.5	33.4	21.2	12.2
1991	56.0	(D)	2.7	4.7	(D)	0.2	1.1	(D)	35.5	23.0	12.5
1992	53.8	(D)	3.5	4.1	7.8	0.2	(D)	3.1	32.9	23.8	9.1
1993	52.4	1.3	2.3	4.2	7.8	0.1	1.0	3.4	32.4	25.0	7.4
1994	50.8	1.0	2.4	3.5	7.8	0.2	0.9	2.6	32.5	26.0	6.5
1995	48.9	(1/)	2.4	1.9	9.1	0.1	(2/)	2.6	30.6	23.4	7.2
1996	47.5	(1/)	2.2	1.5	(3/)	0.1	0.9	2.2	29.5	22.2	7.3
1997	50.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1998	43.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1999	44.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2000	44.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2001	41.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2002 4/	37.1	(NA)	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2003 4/ 5/	35.6	(NA)	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2004 4/	31.5	(NA)	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2005 4/	29.0	(NA)	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2006 4/ 6/	28.7	(NA)	1.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.

NA Not available.

1/ Employment range 1,000 to 2,499.

2/ Employment range 500 to 999.

3/ Employment range 10,000 to 49,999.

4/ Beginning with 2002, the survey data was largely tabulated for majority-owned (50 percent or more foreign direct investor) affiliates. See also table 24.20.

5/ Manufacturing employment revised from previous *Data Book*.

6/ The Nonbank U.S. Affiliates series ended with 2006. Beginning with 2007, it was replaced by a series that includes both bank and nonbank affiliates. See Tables 24.20 and 24.21 for 2007 Hawaii data.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey* (various years) and <<http://www.bea.gov/international/di1fdiop.htm>> accessed July 4, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.19-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES AND EMPLOYMENT, BY INDUSTRY OF AFFILIATE: 1997 TO 2006**

[Foreign Direct Investment (FDI) by Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or indirectly, by a foreign person. In millions of dollars and thousands of employees]

Subject	All industries 1/	Manufacturing	Wholesale trade	Retail trade	Information	Finance (exc. depository inst) & insur.	Real estate, rental & leasing	Professional, scientific, & technical services	Other industries
FDI									
1997	14,805	228	203	705	146	199	4,049	2	9,274
1998	12,453	336	184	810	178	76	3,312	1	7,555
1999	11,460	284	177	939	238	58	3,228	2	6,534
2000	10,369	245	228	601	337	81	3,053	4	5,821
2001	9,787	245	277	631	259	76	2,909	4	5,386
2002 2/	7,816	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2003 2/	7,579	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2004 2/	6,741	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2005 2/	5,838	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2006 2/ 3/	8,007	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Employment									
1997	50.2	2.0	2.0	6.6	0.5	1.0	3.2	0.1	34.9
1998	43.4	2.4	1.8	6.4	0.7	1.0	1.8	0.1	29.3
1999	44.3	2.4	1.7	6.6	0.8	1.0	1.7	0.1	29.8
2000	44.8	2.5	3.5	6.5	0.9	1.1	1.8	0.1	28.4
2001	41.0	2.2	3.9	6.2	0.7	1.1	1.9	0.1	24.9
2002 2/	37.1	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2003 2/ 4/	35.6	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2004 2/	31.5	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2005 2/	29.0	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2006 2/ 3/	28.7	1.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Effective with 1997 the data are classified according to the 1997 International Survey Industry which is based on the 1997 North American Industry Classification System (NAICS). Petroleum is no longer shown as a separate industry, instead the various petroleum-related activities are distributed among the major NAICS-based industries to which they belong, e.g. gas stations are in retail trade. Services is no longer shown as a separate industry, instead the various services-related activities are distributed among the major NAICS-based industries such as Information, Professional, Other industries, etc. See Tables 24.12 and 24.13 for 1977-96 detailed estimates.

2/ Beginning with 2002, survey data was largely tabulated for majority-owned (50 percent or more foreign direct investor) affiliates. See also table 24.20.

3/ The Nonbank U.S. Affiliates series ended with 2006. Beginning with 2007, it was replaced by a series that includes both bank and nonbank affiliates. See Tables 24.20 and 24.21 for 2007 Hawaii data.

4/ Manufacturing employment revised from previous *Data Book*.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey* (various years) and <<http://www.bea.gov/international/di1fdiop.htm>> accessed July 4, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.20-- FOREIGN DIRECT INVESTMENT IN MAJORITY-OWNED AFFILIATES: 2007 TO 2013**

[Investment by Hawaii nonbank affiliates of U.S. business enterprises owned 50 percent or more, directly or indirectly, by a foreign person. There is no 'Gross property, plant, and equipment' beyond 2007]

Category	Gross property, plant, & equipment (million dollars)	Employment (1,000 employees)						
		2007	2007	2008	2009	2010	2011	2012 1/
All countries	6,184	31.0	27.6	26.7	26.8	29.8	33.7	34.1
Japan	4,320	16.6	13.2	12.8	12.7	14.2	15.5	15.8
Canada	18	0.6	0.9	0.9	1.0	0.8	0.8	0.7
France	680	4.6	4.3	4.5	4.4	5.9	6.0	6.1
Germany	250	0.9	0.8	0.7	0.7	0.7	0.9	0.9
Netherlands	(D)	0.1	0.1	0.1	0.1	0.3	0.4	0.4
Switzerland	39	0.8	0.9	1.0	0.9	1.0	1.2	1.1
United Kingdom	58	2.4	3.0	2.3	2.7	2.5	2.4	2.3
Other	(D)	5.0	4.4	4.4	4.3	4.4	6.5	6.8
All industries	6,184	31.0	27.6	26.7	26.8	29.8	33.7	34.1
Manufacturing	303	2.8	3.4	2.8	3.3	2.8	3.6	3.2
Wholesale trade	434	2.5	1.9	1.4	1.3	1.3	1.0	1.0
Retail trade	363	3.2	3.3	4.2	4.3	5.5	5.6	5.9
Information	150	0.3	0.5	0.4	0.4	0.3	0.3	0.4
Finance & insurance	(D)	3.1	2.6	2.6	2.5	2.8	2.9	2.9
Real estate & rental & leasing	763	1.3	1.2	1.2	1.2	1.1	(2/)	1.2
Prof., scientific & technical services	12	0.2	0.1	0.1	0.1	0.3	0.2	0.2
Other industries	(D)	17.6	14.5	14.1	13.8	15.6	(3/)	19.4

D Withheld to avoid disclosing data for individual companies.

1/ Revised from previous *Data Book*.

2/ Size ranges are given in employment cells that are suppressed. This size range is 1,000 to 2,499.

3/ Size ranges are given in employment cells that are suppressed. This size range is 10,000 to 24,999.

Source: U.S. Bureau of Economic Analysis, International Data, Direct Investment & MNC, "Foreign Direct Investment" "Employment by State and Country 2007-2013 (Excel)"; "Employment by State and Industry 2007-2013 (Excel)"; "Gross Property, Plant, and Equipment by State and Country 2007 (Excel)" and "Gross Property, Plant, and Equipment by State and Industry 2007 (Excel)"

<<http://www.bea.gov/iTable/iTable.cfm?ReqID=2&step=1>> accessed July 8, 2016.

**Table 24.21-- FOREIGN DIRECT INVESTMENT IN ALL AFFILIATES:  
2007 TO 2013**

[Investment by all Hawaii affiliates of U.S. business enterprises , owned directly or indirectly, by a foreign person. There is neither country nor industry detail available by state, nor is there 'Gross property, plant, and equipment' beyond 2007]

<b>Category</b>	<b>Gross property, plant, and equipment (million dollars)</b>	<b>Employment (1,000 employees)</b>
2007	6,990	32.4
2008	(NA)	29.2
2009	(NA)	28.1
2010	(NA)	28.5
2011	(NA)	31.1
2012 1/	(NA)	34.6
2013	(NA)	34.9

NA Not available.

1/ Revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, International Data, Direct Investment & Multinational Enterprises (MNEs), Foreign direct investment in the United States, Data on activities of multinational enterprises <<http://www.bea.gov/iTable/iTable.cfm?ReqID=2&step=1#reqid=2&step=1&isuri=1>> accessed July 8, 2016.

# BIBLIOGRAPHY

This volume is the 48th of its type compiled by the Hawaii State Department of Business, Economic Development & Tourism (DBEDT) and its predecessor agencies. The first was *Statistical Abstract of Hawaii, 1962*, issued by the Department of Planning and Research in 1962. After a four-year hiatus, updated versions titled *The State of Hawaii Data Book* were published by the Department of Planning and Economic Development in 1967, 1968, and annually beginning in 1970. The 1987 edition was the first one issued by DBEDT. Copies can be consulted in the Hawaii State Library, University of Hawaii and community college libraries, and other collections throughout the state.

Additional information regarding specific statistical sources can be found in the introductory statements to each section of the *Data Book*, in footnotes and source references to the various tables, and in the underlying reports.

Although most of the series in the *Data Book* are shown only for recent years, many earlier figures appear in *Historical Statistics of Hawaii*, by Robert C. Schmitt. This book, published by the University Press of Hawaii in 1977, contains 711 pages of narrative and tables on the development of statistics in Hawaii since the 18th century. Permitted by the University of Hawaii Press, the electronic copy of this book can be found at [http://files.hawaii.gov/dbedt/economic/data\\_reports/Historical-Statistics-of-Hawaii.pdf](http://files.hawaii.gov/dbedt/economic/data_reports/Historical-Statistics-of-Hawaii.pdf).

Statistical abstracts have also been published for the counties of Hawaii and Maui. The Hawaii County Department of Research and Development's *Hawaii County Data Book 2015* was created by the Small Business Development Center's Business Research Library and may be found only online at <http://www.hisbdc.org/BusinessResearchLibrary/HawaiiCountyDataBook2015.aspx> and <http://www.hawaiicounty.gov/research-and-development/>. *Maui County Data Book 2015*, 250 pages, a joint production of the Maui County Office of Economic Development and the Hawaii Business Research Library, a division of the Hawaii Small Business Development Center Network, will be issued in June 2016. The price per print copy is \$20.00 when picked up in person. The online version and archives of previous editions is available at <http://hisbdc.org/BusinessResearchLibrary.aspx>.

Persons interested in historical data for other states or the nation as a whole should consult the *Statistical Abstract of the United States* and other Census Bureau resources such as the *State and Metropolitan Area Data Book*, *County and City Data Book* and *USA Counties* at [http://www.census.gov/library/publications/time-series/statistical\\_abstracts.html](http://www.census.gov/library/publications/time-series/statistical_abstracts.html). The *Abstract* was initiated in 1878 and was an annual publication of the U.S. Census Bureau. The last edition, its 131<sup>th</sup>, was dated 2012. As of October 1, 2011, the U.S. Census Bureau terminated the collection of data for the Statistical Compendia program which affects the *Statistical Abstract of the United States*, *State and Metropolitan Area Data Book*, and the *County and City Data Book*. Accessing and ordering information for U.S. Census Bureau products may be viewed at the website <http://www.census.gov>.

**Table A.-- PRINTING HISTORY OF THE STATE OF HAWAII DATA BOOK:  
1993-94 TO 2015**

[For earlier years, see *Data Book 1996*, p. 632]

Edition	Number of pages	Number of tables	Price (dollars)		Printing costs (dollars)	Number of copies printed
			Hawaii	Outside State		
1993-94	571	639	8.00	1/ 12.00	20,430.00	3,000
1995	629	697	15.00	2/ 19.00	23,000.00	3,000
1996	664	705	15.00	2/ 19.00	27,040.00	3,000
1997	679	711	18.00	3/ 22.00	17,140.00	1,500
1998	718	736	20.00	4/ 24.00	18,244.32	1,250
1999	5/	749	5/	5/	5/	5/
2000	760	739	20.00	6/ 27.00	19,164.32	1,000
2001	5/	744	5/	5/	5/	5/
2002	5/	778	5/	5/	5/	5/
2003	5/	744	5/	5/	5/	5/
2004	5/	796	5/	5/	5/	5/
2005	5/	797	5/	5/	5/	5/
2006	786	790	7/	7/	11,312.00	400
2007	5/	807	5/	5/	5/	5/
2008	5/	802	5/	5/	5/	5/
2009	5/	800	5/	5/	5/	5/
2010	5/	801	5/	5/	5/	5/
2011	5/	819	5/	5/	5/	5/
2012	5/	8/ 833	5/	5/	5/	5/
2013	5/	8/ 850	5/	5/	5/	5/
2014	5/	8/ 844	5/	5/	5/	5/
2015	5/	864	5/	5/	5/	5/

1/ U.S. Mainland price; \$15.00 for Canada, \$20.00 for Mexico, and \$40.00 for all other countries.

2/ U.S. Mainland price; \$21.00 for Canada, \$28.00 for Mexico, and \$48.00 for all other countries.

3/ U.S. Mainland price; \$25.00 for Canada, \$38.00 for Mexico, and \$51.00 for all other countries.

4/ U.S. Mainland price; \$27.00 for Canada, \$40.00 for Mexico, and \$53.00 for all other countries.

5/ The *State of Hawaii Data Book* was not printed. It is available electronically on the Internet. It is also available on CD-ROM for selected *Data Books*.

6/ U.S. Mainland price; \$36.00 for Canada, \$41.00 for Mexico, and \$53.00 for all other countries.

7/ 2006 *Data Book* was not available for purchase.

8/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism records.

# AVAILABILITY OF ELECTRONIC VERSIONS OF THE DATA BOOK TABLES

Selected *State of Hawaii Data Books* are available to the public on CD-ROMs and the Internet.

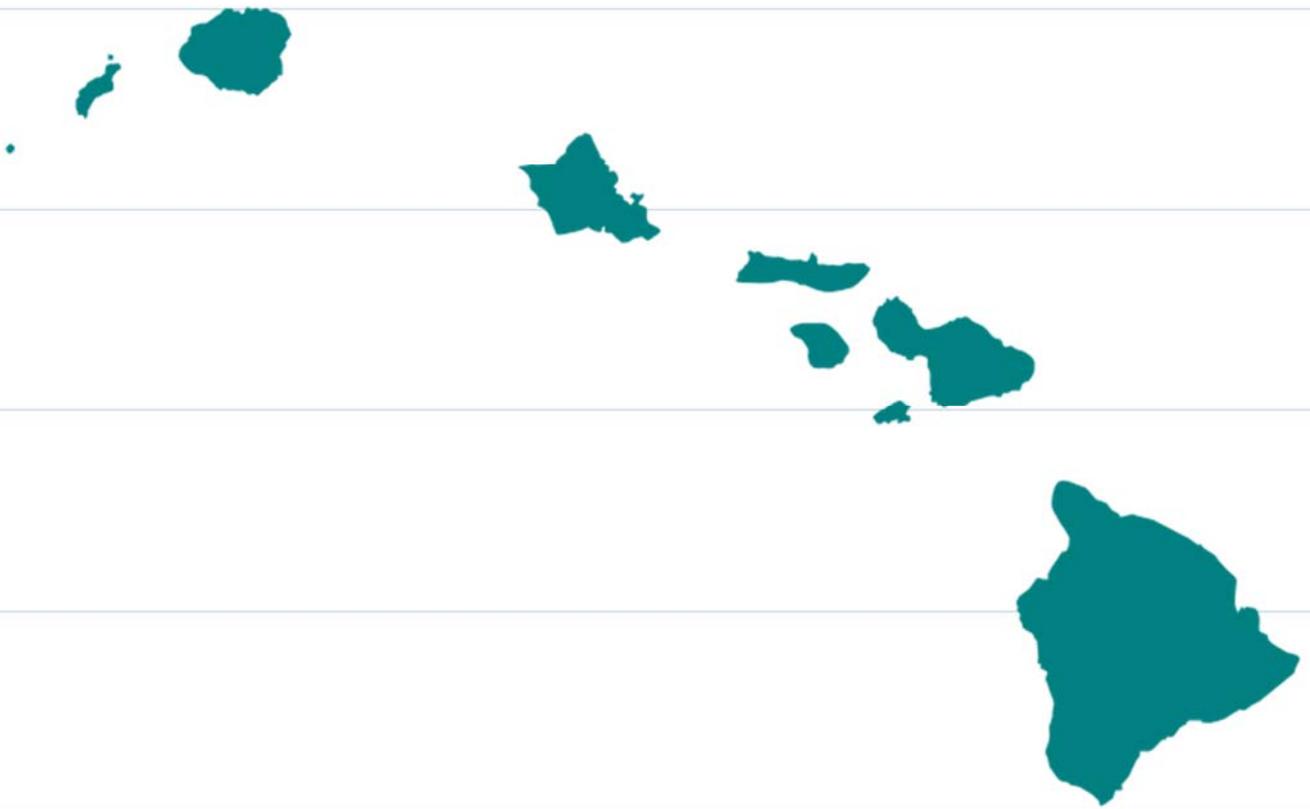
Electronic versions of the *Data Book* on CD-ROM were distributed on the Hawai'i Data Disc series. The first Hawai'i Data Disc, produced by the Research and Economic Analysis Division of DBEDT in 1993, contained the 1989 through 1992 *Data Books*. The 2002 Hawai'i Data Disc became available in September 2002 and included the *Data Books* for 1998 through 2001; the 2003 Hawai'i Data Disc in November 2003 with the *Data Books* for 2001 and 2002; the 2004 Hawai'i Data Disc in November 2004 with the *Data Books* for 2002 and 2003; the 2005 Hawai'i Data Disc in August 2005 with the *Data Books* for 2000 through 2004; and the 2006 Hawai'i Data Disc in August 2006 with the *Data Books* for 2001 through 2005. There were two releases of the 2007 Hawai'i Data Disc. The first, Version 1.0, was released in August 2007 and the second, Version 2.0, was released in January 2008. Both versions included the *Data Books* for 2002 through 2006, but Version 2.0 also included revised and updated *Data Book* tables. The 2008 Hawai'i Data Disc became available in August 2008 and included the *Data Books* for 2003 through 2007. The last CD-ROM, the 2009 Hawai'i Data Disc, was released in August 2009 and included the *Data Books* for 2004 through 2008. From 2010, the Hawai'i Data Disc was no longer produced.

Since 1996, the *Data Book* and other DBEDT publications and information have been made available on the Internet. The current DBEDT Internet site is <<http://dbedt.hawaii.gov/>>. *Data Book* tables may be viewed or downloaded from this website. Updates and revisions to the tables will also be accessible throughout the year on the DBEDT Internet site.

A related online product is the *State of Hawaii Data Book Time Series*. Information from *Data Books* published between 1969 to the present were combined to produce a time series for selected tables. Only tables that had at least five years of continuous data were selected. This product is also found on the current DBEDT Internet site.

Time-series data from the *Data Book* can also be obtained using the custom search function from the DBEDT Data Warehouse, a web-based data query platform. The Internet site which hosts the DBEDT Data Warehouse is at <<http://www.hawaiieconomicdata.com/>>.

For further information about available data and sources, users should call the Research and Economic Analysis Division at (808) 586-2466.



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