

State Population Total

1,420,491

City & County of Honolulu

980,080

Hawaii County

200,983



2018

The State of Hawaii

DATA BOOK

A Statistical Abstract



Kauai County

72,133

Maui County

167,295



DBEDT

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

2018

The State of Hawaii

DATA BOOK

A Statistical Abstract

November 2019

Update



DBEDT
THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
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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; Carlie Liddell, Paul Oshiro, and Jin Dong, Research Statisticians; with assistance from Ashley Fossett, Research Statistician. 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 (DBEDT) is pleased to present the 2018 edition of the State of Hawaii *Data Book*, the official summary of statistics on the social, economic, and political organization of Hawaii.

This edition, the 51st in the series, places major emphasis on statewide data and less on counties, islands, urban places, and smaller areas. Source references for additional statistical detail are provided in the section introduction and at the end of each table.

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



Mike McCartney
Director
State of Hawaii
Department of Business, Economic Development & Tourism

STATE OF HAWAII

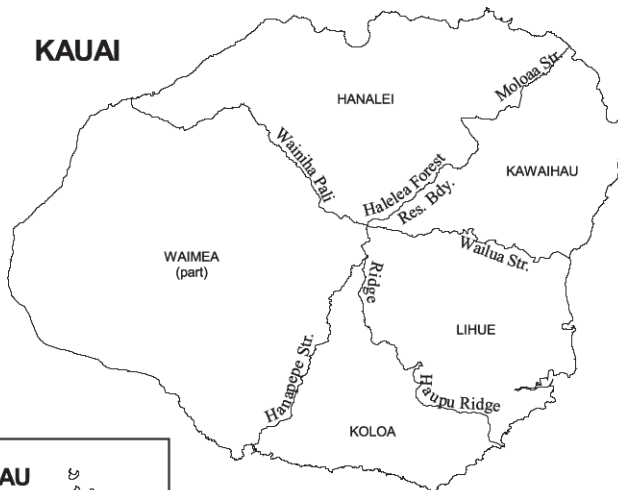
COUNTIES and DISTRICTS



NOTE: The Northwestern Hawaiian Islands, from Nihoa to Kure Atoll (exclusive of the Midway Islands, a U.S. possession) are part of the Honolulu District.

INSET A KAUAI COUNTY

KAUAI



NIHAU



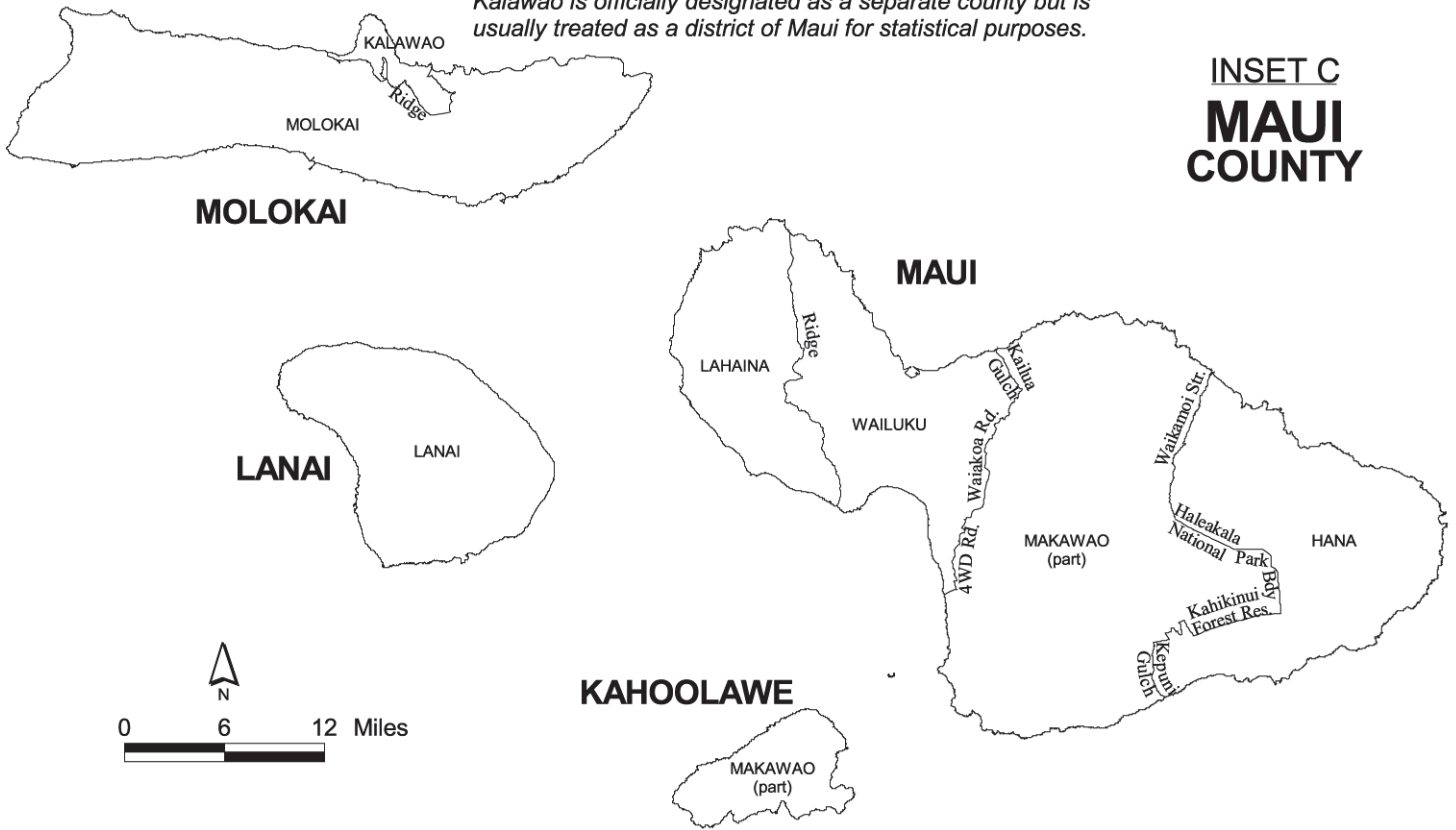
INSET B HONOLULU CITY AND COUNTY

OAHU



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

INSET C MAUI COUNTY

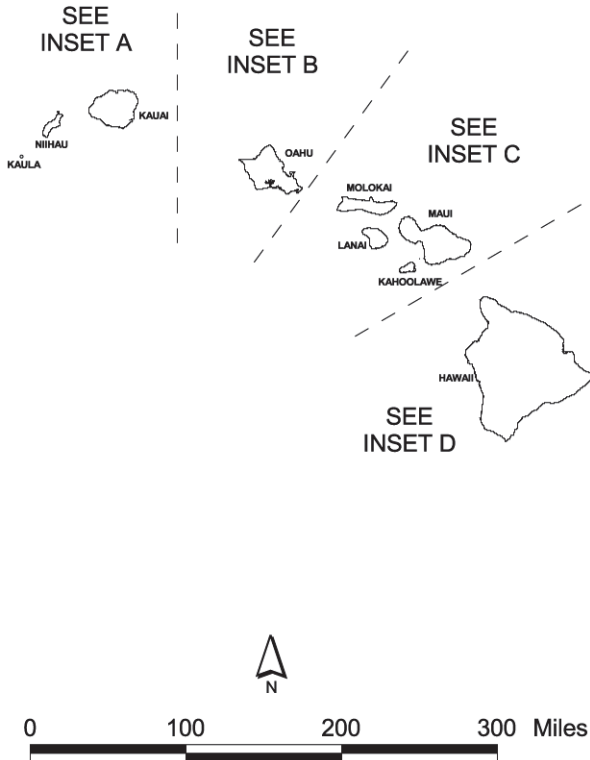


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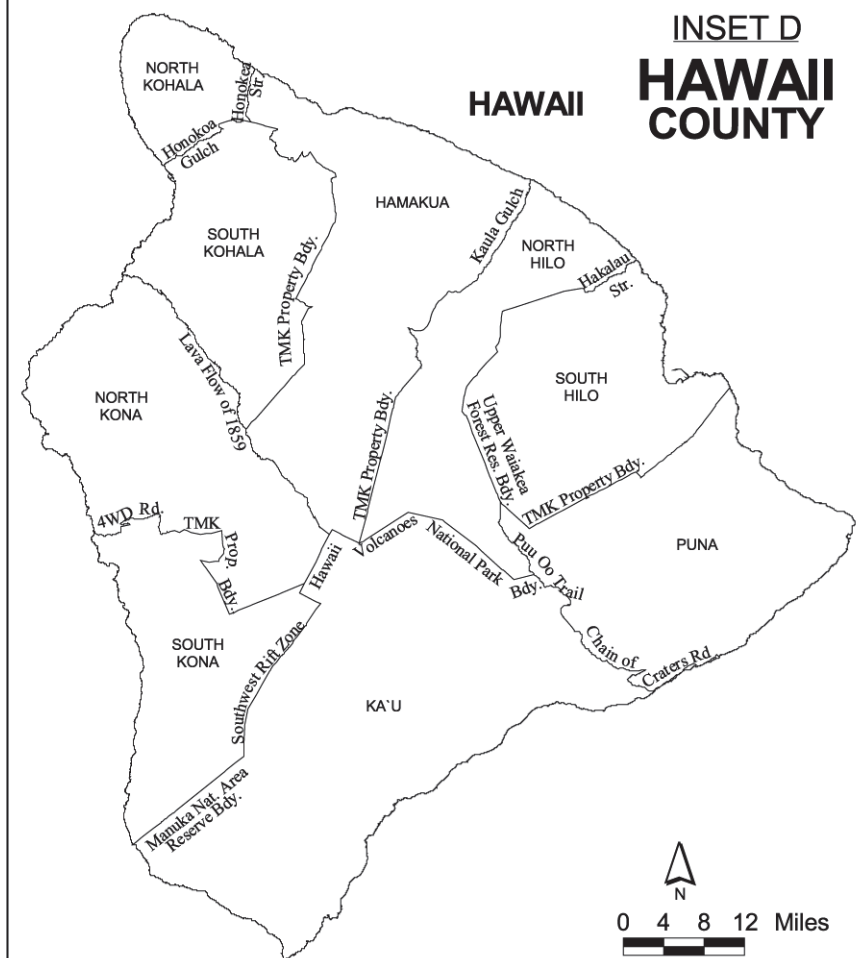
STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT & TOURISM

OFFICE OF PLANNING

2001

INSET D HAWAII COUNTY



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.

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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 annual population estimates by the U.S. Census Bureau; the Hawaii Health Survey conducted regularly since 1969 by the Hawaii State Department of Health; the ongoing series on visitors present and residents absent 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*.

Tables 01.04 and 01.09 were updated in November 2019.

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: 2010 TO 2018

[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/
2010: April 1 4/	1,360,307	40,797	1,319,510	5/ 65,063	1,254,447
July 1	1,363,963	39,373	1,324,590	62,322	1,262,268
2011: July 1	1,379,252	39,797	1,339,455	59,849	1,279,606
2012: July 1	1,394,905	43,084	1,351,821	60,271	1,291,550
2013: July 1	1,408,453	46,145	1,362,308	60,490	1,301,818
2014: July 1	1,414,862	47,203	1,367,659	63,228	1,304,431
2015: July 1	1,422,484	48,199	1,374,285	64,493	1,309,792
2016: July 1	1,428,105	47,583	1,380,522	64,342	1,316,180
2017: July 1	1,424,203	46,673	1,377,530	58,548	1,318,982
2018: July 1	1,420,491	45,286	1,375,205	60,383	1,314,822

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. Figures for "total resident population," "all civilians," and "civilian population - not military dependent" are based on population estimate revisions released in June 2019 and may differ somewhat from earlier figures cited in other tables.

2/ These figures are the estimates developed by the U.S. Census Bureau. They are based on the 2010 Census data and 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.

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, 2018" (SC-EST2018-AGESEX-CIV) (released June 2019) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed June 20, 2018; U.S. Census Bureau, 2010 decennial census; annual survey of local commanding officers (Data Book Table 1.24); and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.04-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 2000 TO 2018

Date	Resident population 1/		De facto population 2/		De facto-resident ratio 2/
	Total	Temporarily absent	Total	Visitors present 3/	
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	1,363,963	73,217	1,468,695	177,949	1.077
2011: July 1	1,379,252	73,863	1,491,213	185,824	1.081
2012: July 1	1,394,905	75,985	1,520,187	201,267	1.090
2013: July 1	1,408,453	68,946	1,542,383	202,876	1.095
2014: July 1	1,414,862	64,898	1,556,181	206,217	1.100
2015: July 1	1,422,484	62,389	1,574,029	213,934	1.107
2016: July 1	1,428,105	63,093	1,582,687	217,675	1.108
2017: July 1	1,424,203	62,693	1,590,574	229,063	1.117
2018: July 1	1,420,491	65,647	1,595,186	240,341	1.123

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 in September 2011. Population estimates after 2009 were based on data released in December 2018 and may differ somewhat from earlier figures cited in other tables or earlier versions of the *Data Book*.

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/ Average daily census.

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 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, 2018" (NST-EST2018-01) (December 2018) <<https://www2.census.gov/programs-surveys/popest/tables/2010-2018/state/totals/nst-est2018-01.xlsx>> accessed December 21, 2018; Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual) and records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.05-- RESIDENT POPULATION OF ISLANDS: 1970 TO 2013-2017

[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 2013-2017 are estimates and based on a sample and are subject to sampling variability; all others are from the decennial censuses]

Island	1970	1980	1990	2000	2010	2013-2017
State of Hawaii	769,913	964,691	1,108,229	1,211,537	1,360,301	1,421,658
Hawaii	63,468	92,053	120,317	148,677	185,079	196,325
Kahoolawe	-	-	-	-	-	-
Maui 1/	38,691	62,823	91,361	117,644	144,444	153,997
Lanai	2,204	2,119	2,426	3,193	3,135	3,203
Molokai 2/	5,261	6,049	6,717	7,404	7,345	6,980
Oahu 3/	630,497	762,534	836,231	876,151	953,207	990,060
Kauai	29,524	38,856	50,947	58,303	66,921	71,093
Niihau 4/	237	226	230	160	170	(4/)
Northwestern Hawaiian Islands	31	31	(5/)	5	-	-
Necker Island	(NA)	-	-	5	-	-
French Frigate Shoals	(NA)	4	-	-	-	-
Laysan Island	(NA)	5	-	-	-	-
Kure Atoll	(NA)	22	(5/)	-	-	-
Other islands 6/	(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).

2/ Including Kalawao County (86 for 2013-2017).

3/ 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). These offshore islands were not reported separately in other years.

4/ Including Lehua and Kaula (uninhabited). For Niihau, estimates for 2013-2017 are shown as 0; actually, there were no responses from the people surveyed on the island.

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

6/ 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 2013-2017 American Community Survey 5-Year Estimates, Table B01003
<<https://factfinder.census.gov>> accessed January 28, 2019.

Table 1.06-- RESIDENT POPULATION, BY COUNTY: 2000 TO 2018

[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. July 1, 2010 and later data revised from previous *Data Book*]

Date 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 2/
2000: April 1	1,211,537	876,156	148,677	58,463	128,241
July 1	1,213,519	876,629	149,244	58,568	129,078
2001: July 1	1,225,948	882,755	151,690	59,075	132,428
2002: July 1	1,239,613	890,473	154,576	59,981	134,583
2003: July 1	1,251,154	894,311	158,442	60,805	137,596
2004: July 1	1,273,569	907,997	162,852	62,095	140,625
2005: July 1	1,292,729	918,181	168,237	62,863	143,448
2006: July 1	1,309,731	926,954	173,536	63,465	145,776
2007: July 1	1,315,675	925,335	177,733	64,490	148,117
2008: July 1	1,332,213	933,680	181,506	65,603	151,424
2009: July 1	1,346,717	943,177	183,629	66,518	153,393
2010: April 1	1,360,301	953,207	185,079	67,091	154,924
July 1	1,363,963	956,296	185,358	67,213	155,096
2011: July 1	1,379,252	967,287	187,066	67,898	157,001
2012: July 1	1,394,905	978,073	189,164	68,691	158,977
2013: July 1	1,408,453	986,222	191,466	69,660	161,105
2014: July 1	1,414,862	987,649	193,736	70,324	163,153
2015: July 1	1,422,484	991,339	195,941	71,074	164,130
2016: July 1	1,428,105	992,692	198,126	71,575	165,712
2017: July 1	1,424,203	986,429	199,503	71,780	166,491
2018: July 1	1,420,491	980,080	200,983	72,133	167,295

1/ April 1, 2000 and April 1, 2010 are decennial census figures. Population estimates for July 1, 2000 through July 1, 2009 are based on data revised and released in September 2011. Population estimates for July 1, 2010 through July 1, 2018 are based on revisions released in April 2019 and may differ somewhat from earlier figures cited in other tables.

2/ Including Kalawao County (Kalaupapa Settlement). Kalawao had 147 in 2000, 90 in 2010 and 88 in 2018.

Source: U.S. Bureau of the Census, 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) (released September 2011) and "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2018" (PEPANNRES) (released April 2019) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed April 26, 2019.

Table 1.07 -- PERCENTAGE CHANGE IN RESIDENT POPULATION, BY COUNTY: 2000 TO 2018

[July 1 population. Based on place of usual residence, regardless of physical location on the estimate date. Includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present. 2010 and later data revised from previous *Data Book*]

Date 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 2/
Growth from previous year:					
2000	0.3	-0.3	1.5	0.5	2.3
2001	1.0	0.7	1.6	0.9	2.6
2002	1.1	0.9	1.9	1.5	1.6
2003	0.9	0.4	2.5	1.4	2.2
2004	1.8	1.5	2.8	2.1	2.2
2005	1.5	1.1	3.3	1.2	2.0
2006	1.3	1.0	3.1	1.0	1.6
2007	0.5	-0.2	2.4	1.6	1.6
2008	1.3	0.9	2.1	1.7	2.2
2009	1.1	1.0	1.2	1.4	1.3
2010	1.3	1.4	0.9	1.0	1.1
2011	1.1	1.1	0.9	1.0	1.2
2012	1.1	1.1	1.1	1.2	1.3
2013	1.0	0.8	1.2	1.4	1.3
2014	0.5	0.1	1.2	1.0	1.3
2015	0.5	0.4	1.1	1.1	0.6
2016	0.4	0.1	1.1	0.7	1.0
2017	-0.3	-0.6	0.7	0.3	0.5
2018	-0.3	-0.6	0.7	0.5	0.5
Annual growth rate:					
2005 - 2010	1.1	0.8	2.0	1.3	1.6
2010 - 2015	0.8	0.7	1.1	1.1	1.1
1990 - 2000	0.9	0.4	2.1	1.3	2.4
2000 - 2010	1.2	0.9	2.2	1.4	1.9
2010 - 2018	0.5	0.3	1.0	0.9	1.0

1/ Population estimates for 2000 through 2009 are based on data revised and released in September 2011. Population estimates for 2010 through 2018 are based on revisions released in April 2019 and may differ somewhat from earlier figures cited in other tables.

2/ Maui County includes Kalawao County.

Source: U.S. Bureau of the Census, 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) (released September 2011) and "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2018" (PEPANNRES) (released April 2019) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed April 26, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.08 -- COUNTY POPULATION AS A SHARE OF THE STATE
TOTAL: 2000 TO 2018**

[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. July 1, 2010 and later data revised from previous *Data Book*]

Date 1/	City and County of Honolulu	Hawaii County	Kauai County	Maui County 2/
2000: April 1	72.3	12.3	4.8	10.6
July 1	72.2	12.3	4.8	10.6
2001: July 1	72.0	12.4	4.8	10.8
2002: July 1	71.8	12.5	4.8	10.9
2003: July 1	71.5	12.7	4.9	11.0
2004: July 1	71.3	12.8	4.9	11.0
2005: July 1	71.0	13.0	4.9	11.1
2006: July 1	70.8	13.2	4.8	11.1
2007: July 1	70.3	13.5	4.9	11.3
2008: July 1	70.1	13.6	4.9	11.4
2009: July 1	70.0	13.6	4.9	11.4
2010: April 1	70.1	13.6	4.9	11.4
July 1	70.1	13.6	4.9	11.4
2011: July 1	70.1	13.6	4.9	11.4
2012: July 1	70.1	13.6	4.9	11.4
2013: July 1	70.0	13.6	4.9	11.4
2014: July 1	69.8	13.7	5.0	11.5
2015: July 1	69.7	13.8	5.0	11.5
2016: July 1	69.5	13.9	5.0	11.6
2017: July 1	69.3	14.0	5.0	11.7
2018: July 1	69.0	14.1	5.1	11.8

1/ April 1, 2000 and April 1, 2010 are decennial census figures. Population estimates for July 1, 2000 through July 1, 2009 are based on data revised and released in September 2011. Population estimates for July 1, 2010 through July 1, 2018 are based on revisions released in April 2019 and may differ somewhat from earlier figures cited in other tables.

2/ Including Kalawao County (Kalaupapa Settlement).

Source: U.S. Bureau of the Census, 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) (released September 2011) and "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2018" (PEPANNRES) (released April 2019) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed April 26, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.09-- DE FACTO POPULATION, BY COUNTY: 2000 TO 2018

[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]

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	1,468,695	988,378	202,407	83,194	194,716
2011: July 1	1,491,213	1,001,460	205,703	85,205	198,845
2012: July 1	1,520,187	1,020,857	209,498	87,301	202,531
2013: July 1	1,542,383	1,032,591	212,692	89,602	207,498
2014: July 1	1,556,181	1,038,480	215,959	90,424	211,318
2015: July 1	1,574,029	1,047,009	219,855	92,322	214,843
2016: July 1	1,582,687	1,049,052	222,162	93,176	218,297
2017: July 1	1,590,574	1,047,171	227,268	94,964	221,171
2018: July 1	1,595,186	1,044,799	227,560	97,105	225,722

1/ Maui County including Kalawao County.

Source: Estimations by the Hawaii State Department of Business, Economic Development & Tourism, based on 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, 2018" (PEPANNRES) (April 2019) <<https://factfinder.census.gov>> accessed October 30, 2019; and Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual) and records.

Table 1.10-- POPULATION, 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 1.11-- RESIDENT POPULATION OF COUNTIES AND JUDICIAL DISTRICTS: 1990 TO 2013-2017

[Data for 2013-2017 are based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2013 to 2017. Earlier data are from the decennial censuses]

County and judicial district (see maps)	April 1, 1990	April 1, 2000	April 1, 2010	2013-2017
State total	1,108,229	1,211,537	1,360,301	1,421,658
Hawaii County	120,317	148,677	185,079	196,325
Puna	20,781	31,335	45,326	47,352
South Hilo	44,639	47,386	50,927	52,584
North Hilo	1,541	1,720	2,041	1,617
Hamakua	5,545	6,108	6,513	7,295
North Kohala	4,291	6,038	6,322	6,310
South Kohala	9,140	13,131	17,627	19,657
North Kona	22,284	28,543	37,875	41,369
South Kona	7,658	8,589	9,997	11,193
Kau	4,438	5,827	8,451	8,948
Maui County 1/	100,504	128,241	154,924	164,180
Hana	1,895	1,855	2,291	1,726
Makawao	29,207	36,476	41,887	43,295
Wailuku	45,685	61,346	78,110	85,408
Lahaina	14,574	17,967	22,156	23,568
Lanai	2,426	3,193	3,135	3,203
Molokai	6,587	7,257	7,255	6,894
Kalawao	130	147	90	86
City & County of Honolulu	836,231	876,156	953,207	990,060
Honolulu	377,059	372,279	390,738	402,452
Koolaupoko	117,694	117,994	115,164	115,160
Koolauloa	18,443	18,899	21,406	20,788
Waialua	11,549	14,027	13,046	12,733
Wahiawa	43,886	38,370	41,216	45,685
Waianae	37,411	42,259	48,519	49,089
Ewa	230,189	272,328	323,118	344,153
Kauai County	51,177	58,463	67,091	71,093
Hanalei	4,631	6,348	7,828	5,844
Kawaihau	15,627	18,525	20,992	21,792
Lihue	10,663	12,022	14,683	18,252
Koloa	11,368	12,845	14,086	15,735
Waimea	8,888	8,723	9,502	9,470

1/ Including Kalawao County.

Source: U.S. Census Bureau, *1990 Census of Population and Housing, Population and Housing Unit Counts, Hawaii*, 1990 CPH-2-13; Census 2000 and 2010 Redistricting Data (Public Law 94-171) Summary File, and 2013-2017 American Community Survey 5-Year Estimates, Table B01003 <<https://factfinder.census.gov>> accessed March 4, 2019.

Table 1.12-- RESIDENT POPULATION OF ISLANDS AND CENSUS DESIGNATED PLACES: 2013-2017

[This table presents data for the 151 "census designated places" (CDPs) 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 the authority granted by Sec. 26-18, Hawaii Revised Statutes. Although described in the legislation as "cities, towns, and villages," none of these places are an independent municipality with separate government and taxing powers; the boundaries determined for the CDPs are statistical rather than political. CDPs do not cover all land areas with populations, so the island totals displayed are not the sum of only their CDPs. Based on a sample and subject to sampling variability. Figures displayed are the average values between the years 2013 to 2017]

Island and 2010 place	Resident population	House-holds	Island and 2010 place	Resident population	House-holds
Hawaii	196,325	67,054	Hawaii (con.)		
Ainaloa	3,099	1,079	Orchidlands Estates	3,310	1,065
Captain Cook	3,949	1,181	Paaui	596	201
Discovery Harbour	1,005	372	Pahala	1,719	388
Eden Roc	709	304	Pahoa	772	284
Fern Acres	1,560	582	Papaikou	1,121	388
Fern Forest	838	342	Paukaa	570	241
Halaula	632	161	Pepeekeo	1,605	564
Hawaiian Acres	2,889	958	Puako	869	393
Hawaiian Beaches	5,302	1,591	Volcano	3,060	1,341
Hawaiian Ocean View	4,726	1,624	Waikoloa Village	6,014	2,383
Hawaiian Paradise Park	11,564	3,961	Waimea	12,064	3,243
Hawi	1,242	368	Wainaku	1,278	463
Hilo	45,703	15,955	Waiohinu	179	72
Holualoa	8,732	3,232			
Honalo	2,288	771	Maui	153,997	50,787
Honaunau-Napoopoo	2,844	896	Haiku-Pauwela	7,420	2,739
Honokaa	2,299	645	Haliimaile	1,031	309
Honomu	433	163	Hana	1,047	276
Kahaluu-Keauhou	3,500	1,413	Kaanapali	968	463
Kailua	14,140	4,413	Kahului	30,706	7,726
Kalaoa	11,107	4,068	Kapalua	303	135
Kapaau	1,782	550	Keokea	2,282	691
Keaau	2,627	688	Kihei	22,220	8,196
Kealahou	1,938	712	Kula	7,520	2,911
Kukuihaele	335	89	Lahaina	13,223	3,565
Kurtistown	1,381	483	Launiupoko	528	207
Laupahoehoe	541	200	Maalaea	253	169
Leilani Estates	1,655	801	Mahinahina	1,075	409
Mountain View	3,836	1,407	Makawao	6,832	2,403
Naalehu	943	241	Makena	150	59
Nanawale Estates	1,766	582	Napili-Honokowai	7,311	2,790

Continued on next page.

Table 1.12-- RESIDENT POPULATION OF ISLANDS AND CENSUS DESIGNATED PLACES: 2013-2017 -- Con.

Island and 2010 place	Resident population	House-holds	Island and 2010 place	Resident population	House-holds
Maui (con.)			Oahu (con.)		
Olinda	957	411	Ko Olina	1,655	728
Olowalu	116	61	Laie	6,168	904
Paia	2,638	794	Maili	10,190	2,536
Pukalani	8,340	2,926	Makaha	8,832	2,298
Waihee-Waiehu	9,017	2,448	Makaha Valley	1,576	505
Waikapu	3,294	945	Makakilo	20,615	5,816
Wailea	5,602	2,563	Maunawili	2,020	667
Wailuku	16,995	6,142	Mililani Mauka	20,393	6,901
			Mililani Town	28,343	8,919
Lanai	3,203	1,246	Mokuleia	1,780	727
Lanai City	3,185	1,236	Nanakuli	11,757	2,601
Manele	18	10	Ocean Pointe	13,579	3,887
			Pearl City	46,259	14,016
Molokai	6,980	2,401	Punaluu	1,226	388
Kaunakakai	3,494	1,199	Pupukea	4,823	1,595
Kualapuu	2,013	614	Royal Kunia	14,396	3,908
Maunaloa	424	127	Schofield Barracks	20,229	4,370
Ualapue	403	139	Urban Honolulu	350,788	128,935
			Wahiawa	17,555	5,600
Oahu	990,060	311,451	Waialua	3,733	1,127
Ahuimanu	8,085	2,641	Waianae	13,636	3,092
Aiea	9,332	2,641	Waikane	477	138
East Honolulu	47,868	16,698	Waikele	7,446	2,736
Ewa Beach	15,047	3,017	Waimalu	13,158	5,359
Ewa Gentry	24,181	7,183	Waimanalo	6,578	1,442
Ewa Villages	8,087	1,842	Waimanalo Beach	3,860	983
Halawa	14,335	4,098	Waipahu	41,715	8,293
Haleiwa	3,625	1,088	Waipio	11,607	3,907
Hauula	3,464	857	Waipio Acres	5,432	1,828
Heeia	4,811	1,546	West Loch Estate	4,949	1,455
Hickam Housing	8,931	2,522	Wheeler AFB	2,672	899
Iroquois Point	3,710	1,073	Whitmore Village	4,496	1,045
Kaaawa	1,119	418			
Kahaluu	4,926	1,354	Kauai	71,093	22,563
Kahuku	2,353	533	Anahola	1,986	591
Kailua	38,088	12,771	Eleele	2,863	781
Kalaeloa	24	14	Haena	162	91
Kaneohe	34,123	10,572	Hanalei	254	110
Kaneohe Station	11,198	2,521	Hanamaulu	5,386	1,161
Kapolei	21,086	5,409	Hanapepe	2,876	884
Kawela Bay	260	121	Kalaheo	5,416	1,686

Continued on next page.

Table 1.12-- RESIDENT POPULATION OF ISLANDS AND CENSUS DESIGNATED PLACES: 2013-2017 -- Con.

Island and 2010 place	Resident population	House-holds	Island and 2010 place	Resident population	House-holds
Kauai (con.)			Kauai (con.)		
Kalihiwai	219	91	Poipu	1,068	479
Kapaa	10,505	3,602	Princeville	1,945	741
Kaunakani	854	215	Puhi	4,013	981
Kekaha	3,243	1,037	Wailua	2,906	1,031
Kilauea	2,261	769	Wailua Homesteads	6,212	2,037
Koloa	2,741	821	Waimea	1,870	650
Lawai	1,985	803	Wainiha	150	44
Lihue	7,064	2,428			
Omao	1,352	449	Niihau	(1/)	(1/)
Pakala Village	363	119			

1/ Estimates for 2013-2017 are shown as 0; actually, there were no responses from the people surveyed on the island.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Tables B01003 and B08201 <<https://factfinder.census.gov>> accessed January 28, 2019.

**Table 1.13-- POPULATION AND PERCENTAGE CHANGE RANKINGS:
2010 AND 2018**

[Population and rankings for 2010 based on April 1 estimates base. Population and rankings for 2018 based on July 1 population estimates]

Comparison 1/	Resident population		Ranking		
			Population 2/		Percent change, 2010-2018 3/
	2010	2018	2010	2018	
Among the 50 states and D.C.					
State of Hawaii	1,360,307	1,420,491	40	40	26
Among counties 4/					
City and County of Honolulu	953,206	980,080	43	48	978
Hawaii County	185,076	200,983	334	335	425
Kalawao County	90	88	3,141	3,142	2,005
Kauai County	67,095	72,133	782	752	492
Maui County	154,840	167,207	402	391	455
Among incorporated places 5/					
City and County of Honolulu	953,206	980,080	10	11	489
Urban Honolulu CDP 6/	337,721	347,397	53	56	486
Among MSAs 7/					
Urban Honolulu MSA 8/	953,206	980,080	54	56	242
Kahului-Wailuku-Lahaina MSA 9/	154,930	167,295	257	255	125
Among Micropolitans 10/					
Hilo Micropolitan 11/	185,076	200,983	3	2	35
Kapaa Micropolitan 12/	67,095	72,133	109	94	48

Continued on next page.

**Table 1.13-- POPULATION AND PERCENTAGE CHANGE RANKINGS:
2010 AND 2018 -- Con.**

1/ MSA, Metropolitan Statistical Area; CDP, Census Designated Place, that is, an unincorporated urban place.

2/ Largest population ranking 1.

3/ Ranking of the area in regard to 2010-2018 population percent change, greatest percent change ranking 1.

4/ There were 3,142 counties in 2018.

5/ Hawaii is the only state that has no incorporated places recognized by the U.S. Census Bureau. Through an agreement with the Bureau, Urban Honolulu Census Designated Place (CDP) is the only subcounty area in Hawaii for which the Bureau provides population estimates on an annual basis. There were 780 incorporated places with a population of 50,000 or more in 2018. Comparison rankings including the City and County of Honolulu are also included with incorporated places.

6/ Urban Honolulu CDP encompasses an area bordered by Nimitz Highway, Aliamanu Drive, the Koolau Ridge, Waialae Nui Stream and Waialae Nui Canal.

7/ Metropolitan Statistical Areas (MSAs) contains a core urban area of 50,000 or more population. There were 390 metropolitan statistical areas in 2018.

8/ The Urban Honolulu MSA consists of the City and County of Honolulu.

9/ The Kahului-Wailuku-Lahaina MSA consists of Maui County and Kalawao County.

10/ Micropolitan statistical areas contains an urban core of at least 10,000 (but less than 50,000) population. There were 555 micropolitan statistical areas in 2018.

11/ Hilo Micropolitan consists of Hawaii County.

12/ Kapaa Micropolitan consists of Kauai County.

Source: U.S. Census Bureau, Population Division <<https://www.census.gov/popest/data/index.html>> accessed May 23, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.14-- RESIDENT POPULATION FOR OAHU NEIGHBORHOODS:
2010 AND 2012-2016**

Neighborhood area 1/ (see maps)	2010 2/	2012-2016 3/	Percent change
Oahu total	911,841	986,999	8.2
1 Hawaii Kai	29,814	29,151	-2.2
2 Kuliouou-Kalani Iki	15,786	16,193	2.6
3 Waialae-Kahala	9,854	9,764	-0.9
4 Kaimuki	18,491	18,717	1.2
5 Diamond Head/Kapahulu/St. Louis Heights	17,598	18,561	5.5
6 Palolo	12,039	13,170	9.4
7 Manoa	21,114	23,854	13.0
8 McCully/Moiliili	25,734	27,121	5.4
9 Waikiki	20,095	19,365	-3.6
10 Makiki/Lower Punchbowl/Tantalus	29,733	31,676	6.5
11 Ala Moana/Kakaako	19,014	19,640	3.3
12 Nuuanu/Punchbowl	16,303	17,245	5.8
13 Downtown	15,620	13,365	-14.4
14 Liliha/Kapalama	19,766	23,055	16.6
15 Kalihi-Palama	38,113	44,113	15.7
16 Kalihi Valley	17,412	21,661	24.4
17 Moanalua	10,245	9,517	-7.1
18 Aliamanu/Salt Lake/Foster Village	35,969	38,579	7.3
19 Airport Area	20,626	23,023	11.6
20 Aiea	29,104	38,929	33.8
21 Pearl City	47,879	41,006	-14.4
22 Waipahu	61,879	76,100	23.0
23 Ewa	59,877	68,881	15.0
24 Waianae Coast 4/	43,420	26,737	(4/)
25 Mililani/Waipio/Melemanu	37,419	33,629	-10.1
26 Wahiawa	38,690	46,355	19.8
27 North Shore	17,724	17,744	0.1
28 Koolauloa	14,156	15,329	8.3
29 Kahaluu	13,891	14,083	1.4
30 Kaneohe	33,788	39,786	17.8
31 Kailua	43,876	41,314	-5.8
32 Waimanalo	11,141	10,781	-3.2
33 Mokapu	11,513	11,072	-3.8
34 Makakilo/Kapolei/Honokai Hale	35,697	45,588	27.7
35 Mililani Mauka-Launani Valley	18,461	20,330	10.1
36 Nanakuli-Maili 4/	(4/)	21,565	(4/)

Continued on next page.

**Table 1.14-- RESIDENT POPULATION FOR OAHU NEIGHBORHOODS:
2010 AND 2012-2016 -- 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 Board numbers are displayed next to the Neighborhood Board names.

2/ As of June 30, estimated population based on traffic zone data.

3/ Based on the Census Bureau's 2012-2016 American Community Survey 5-year estimates. Data are a sample and are subject to sampling variability. Figures displayed describe the average housing units in Hawaii between the years 2012 and 2016.

4/ Waianae Coast Neighborhood (Board No. 24) was amended on January 28, 2008 to provide for the creation of Nanakuli-Maili Neighborhood (Board No. 36). However, census blocks used to approximate the new boundaries were not available until 2011.

Source: City and County of Honolulu, Neighborhood Plan 2008 (April 2013) <https://www.honolulu.gov/rep/site/nco/nco_docs/2013_RNP_Print.pdf> accessed March 8, 2019; City and County of Honolulu Planning and Permitting Department, Planning Division, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

2008 NEIGHBORHOOD AREAS

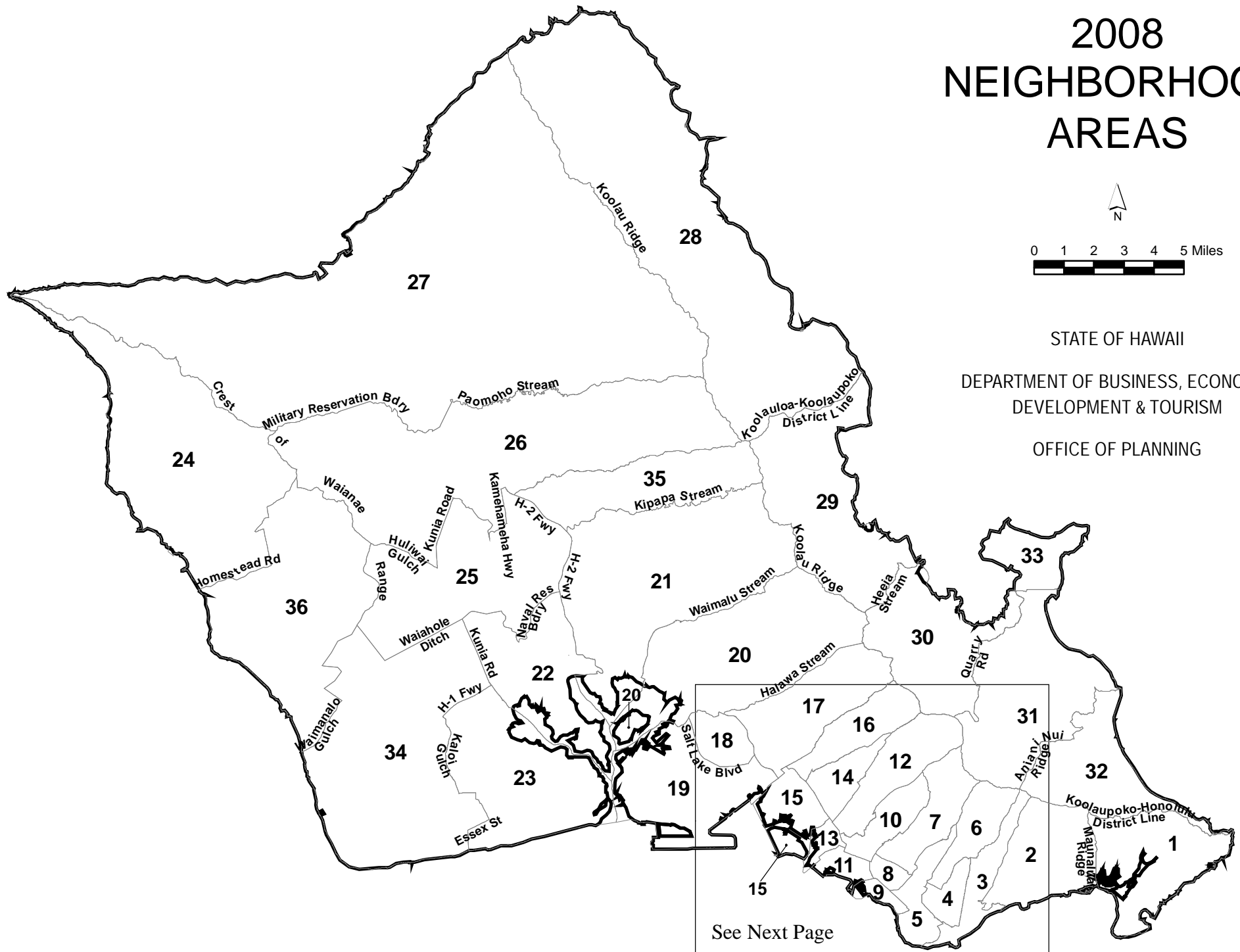


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STATE OF HAWAII

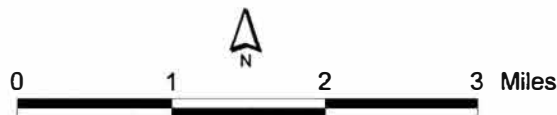
DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT & TOURISM

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

2008 NEIGHBORHOOD AREAS

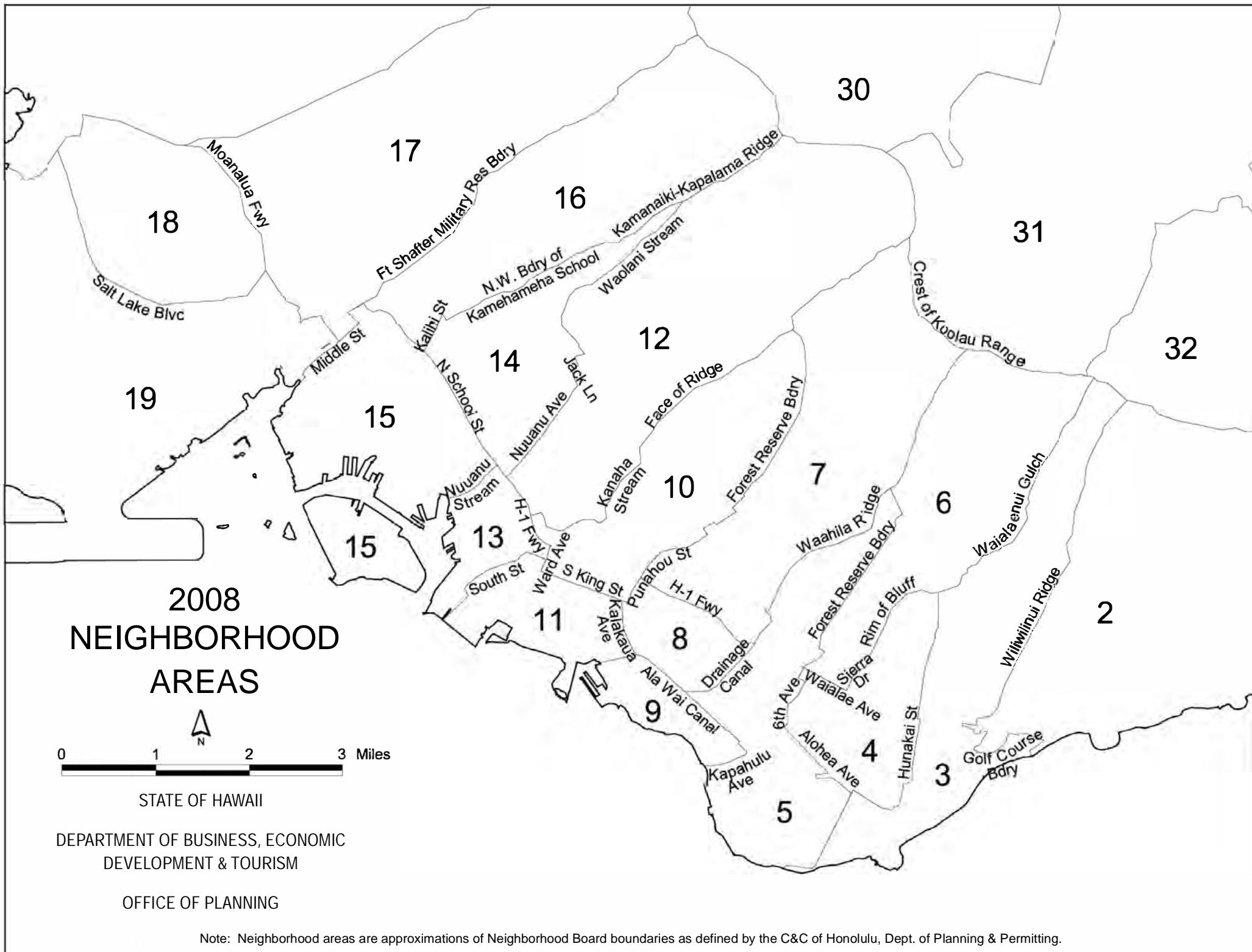


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Note: Neighborhood areas are approximations of Neighborhood Board boundaries as defined by the C&C of Honolulu, Dept. of Planning & Permitting.



**Table 1.15-- POPULATION CHARACTERISTICS OF OAHU
NEIGHBORHOODS: 2012-2016**

[Based on the Census Bureau's 2012-2016 American Community Survey 5-year estimates.
Data are a sample and are subject to sampling variability. Figures displayed describe
the average population characteristics in Hawaii between the years 2012 and 2016]

Neighborhood area (see maps) 1/	Resident population	Households	Average household size	Average family size
Oahu total	986,999	309,548	3.07	3.79
1 Hawaii Kai	29,151	10,517	2.77	3.19
2 Kuliouou-Kalani Iki	16,193	5,332	3.02	3.40
3 Waialae-Kahala	9,764	3,793	2.55	3.19
4 Kaimuki	18,717	6,183	2.96	3.60
5 Diamond Head/Kapahulu/ St. Louis Heights	18,561	7,316	2.51	3.29
6 Palolo	13,170	4,076	3.19	3.81
7 Manoa	23,854	7,032	2.79	3.50
8 McCully/Moiliili	27,121	12,628	2.10	3.00
9 Waikiki	19,365	10,857	1.71	2.45
10 Makiki/Lower Punchbowl/ Tantalus	31,676	15,678	1.99	2.92
11 Ala Moana/Kakaako	19,640	10,037	1.95	2.77
12 Nuuanu/Punchbowl	17,245	6,242	2.72	3.57
13 Downtown	13,365	7,018	1.89	2.84
14 Liliha/Kapalama	23,055	6,534	3.29	4.03
15 Kalihi-Palama	44,113	10,945	3.78	4.56
16 Kalihi Valley	21,661	4,433	4.79	5.18
17 Moanalua	9,517	3,084	2.92	3.52
18 Aliamanu/Salt Lake/ Foster Village	38,579	11,927	3.19	3.86
19 Airport	23,023	5,901	3.32	3.47
20 Aiea	38,929	12,647	3.01	3.70
21 Pearl City	41,006	11,751	3.29	3.88
22 Waipahu	76,100	19,151	3.89	4.53
23 Ewa	68,881	18,471	3.71	4.22
24 Waianae Coast 2/	26,737	6,390	4.01	4.83
25 Mililani/Waipio/Melemanu	33,629	10,717	3.14	3.65
26 Wahiawa	46,355	12,069	3.44	3.96
27 North Shore	17,744	5,639	3.09	3.67
28 Koolauloa	15,329	3,517	3.90	4.66
29 Kahaluu	14,083	4,254	3.29	3.95
30 Kaneohe	39,786	12,356	3.16	3.66
31 Kailua	41,314	13,451	3.00	3.49
32 Waimanalo	10,781	2,402	4.46	5.08

Continued on next page.

**Table 1.15-- POPULATION CHARACTERISTICS OF OAHU
NEIGHBORHOODS: 2012-2016 -- Con.**

Neighborhood area (see maps) 1/	Resident population	Households	Average household size	Average family size
33 Mokapu	11,072	2,527	3.07	3.22
34 Makakilo/Kapolei/ Honokai Hale	45,588	12,542	3.55	4.10
35 Mililani Mauka-Launani Valley	20,330	7,041	2.89	3.40
36 Nanakuli-Maili 2/	21,565	5,090	4.03	4.62

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the neighborhood board boundaries.

2/ Waianae Coast Neighborhood (Board No. 24) was amended on January 28, 2008 to provide for the creation of Nanakuli-Maili Neighborhood (Board No. 36).

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, records; and City and County of Honolulu, *Neighborhood Plan 2008* (April 2013)

<https://www.honolulu.gov/rep/site/nco/nco_docs/2013_RNP_Print.pdf> accessed March 8, 2019.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2013 to 2017]

Island and 2010 census tract	Name	Resident population	Households
State total		1,421,658	455,502
Oahu		990,060	311,451
1.06	Hahaione-Mariners Ridge	7,893	3,156
1.07	Kuapa Isle	2,723	869
1.08	Hawaii Kai Marina	2,933	1,197
1.1	Kalama Valley	4,146	1,378
1.11	Lunalilo Park Subdivision	4,568	1,437
1.12	Koko Marina	5,382	1,971
1.14	Portlock	1,533	461
2	Kuliouou	5,648	1,742
3.01	Aina Haina-Hawaii Loa Ridge	3,180	1,006
3.02	Wailupe	2,765	875
4.01	Waialae Nui Ridge-Ainakoa	2,526	964
4.02	Waialae Iki	3,731	1,315
5	Waialae-Kahala	3,813	1,347
6	Diamond Head	1,412	488
7	Kaimuki: 22nd Avenue	3,145	1,011
8	Kaimuki: Kapiolani Community College	3,601	1,151
9.01	Waialae Nui Valley	2,699	1,242
9.02	Maunalani Heights	4,122	1,350
9.03	Lower Wilhelmina	2,943	986
10	Upper Palolo	3,191	1,007
11	Central Palolo	3,200	1,145
12.01	Waialae Avenue-Pukele Avenue	3,174	1,022
12.02	Lower Palolo	2,891	957
13	Kaimuki: 6th Avenue	4,875	1,617
14	Kapaolono Field	2,811	876
15	Upper Kapahulu	3,493	1,146
16	Lower Kapahulu	3,914	1,324
17	Kapiolani Park	1,866	1,090
18.01	Koa Avenue	1,079	633
18.03	Tusitala Street	2,790	1,682
18.04	Jefferson School	1,437	782
19.01	Waikiki Beach	260	183
19.03	Ena Road	2,791	1,537
19.04	Hobron Lane	2,962	1,825
20.03	Seaside Avenue	1,944	931

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
20.04	International Market Place	1,308	735
20.05	Ala Wai-Niu Street	1,770	1,099
20.06	Ala Wai-Olohana Street	1,623	993
21	Olokele Avenue	3,730	1,719
22.01	Kamoku Street-Iolani School	3,713	1,797
22.02	Ala Wai Park-Lauiki Street	3,473	1,633
23	Moiliili	5,350	2,593
24.01	Lower McCully	3,329	1,387
24.02	Upper McCully	3,127	1,558
25	Lower Pawaa	4,252	1,987
26	Bingham Tract	4,132	1,752
27.01	UH Manoa Campus	5,539	585
27.02	Punahou School	5,111	1,992
28	St. Louis Heights	3,822	1,400
29	East Manoa	2,392	893
30	Judd Hillside-Lowrey Avenue	4,761	1,564
31.01	Woodlawn	4,282	1,355
31.02	Upper Manoa	3,584	1,148
32	Round Top-Tantalus	802	336
33	Makiki Heights	1,233	398
34.03	Thurston Street	5,740	2,946
34.04	Makiki Fire Station	4,942	2,310
34.05	Poki Street	3,522	1,896
34.06	Lower Makiki	6,113	2,840
34.07	Maryknoll School	891	502
35.01	Academy of Arts	2,320	1,257
35.02	Upper Pawaa	3,974	2,174
36.01	Sheridan Street	3,747	1,788
36.03	Ahana Street	3,144	1,710
36.04	Kaheka Street-Makaloa Street	2,285	1,321
37	Ala Moana	6,816	3,311
38	Kakaako	4,902	2,559
39	Civic Center	256	239
40	Financial District	1,240	687
41	Queen's Hospital	4,039	2,254
42	Queen Emma Gardens	3,371	1,816
43	Punchbowl	5,222	2,255
44	Pauoa	5,866	1,573
45	Dowsett Highlands	5,580	2,251
46	Puunui-Waokanaka Street	3,966	1,230

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
47	Alewa-Kawananakoa	4,951	1,450
48	Kamehameha Heights	7,150	1,656
49	Lanakila	3,159	934
50	Kuakini	4,716	1,534
51	Foster Botanical Garden	3,139	1,623
52	Chinatown	2,699	1,317
53	Aala	4,153	1,630
54	Mayor Wright Housing	1,670	427
55	Palama	2,048	615
56	Kapalama	7,161	1,897
57	Iwilei-Anuenue	2,534	885
58	Waiakamilo Road	3,170	1,012
59	Mokauea Street	3,935	591
60	Umi Street	6,983	1,287
61	Kalihi Waena	4,566	851
62.01	Kam IV Road	6,169	1,517
62.02	Linapuni Street	1,578	361
63.01	Kalihi Valley Park	4,086	850
63.02	Kalena Drive	2,976	628
64.01	Gulick Avenue-Likelike	2,461	426
64.02	Kamanaiki Street	7,185	1,454
65	Upper Kalihi Valley	4,708	1,068
66	Kahauiki Street	681	136
67.01	Tripler-Moanalua	6,005	1,841
67.02	Red Hill	2,507	1,113
68.02	Aliamanu	8,250	1,649
68.04	Aliamanu Crater	5,334	1,487
68.05	Salt Lake Country Club	6,287	2,486
68.06	Ala Lilikoi	1,912	561
68.08	Ala Ilima Mauka	4,942	2,034
68.09	Ala Ilima Makai	5,547	2,037
69	Arizona Road	4,048	1,146
70	Navy Marine Golf Course	4,491	1,580
71	Nimitz Elementary School	3,369	920
73.02	Hangar Avenue-Vickers Avenue	5,135	1,602
73.03	Hickam Air Force Base	427	-
74	Ford Island	5,126	798
75.02	Halawa Valley	846	8
75.03	Halawa Heights	4,832	1,548
75.04	Aloha Stadium	3,516	832
75.05	Foster Village	5,828	1,710

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
75.06	Red Hill Military Housing	618	161
77.01	Lower Aiea	4,376	1,132
77.02	Aiea Heights	4,956	1,509
78.04	Lower Pearl City	2,212	580
78.05	Waiau Townhouses	4,830	1,651
78.07	Pearl Ridge High Rise	5,058	2,641
78.08	Pearlridge Center	3,517	1,069
78.09	Newtown	3,654	1,117
78.1	Royal Summit	5,639	1,867
78.11	Pearl Country Club	4,583	1,649
80.01	Hale Mohalu Hospital	2,018	690
80.02	Lower Waiau	2,857	768
80.03	Manana	4,533	1,686
80.05	Pacific Palisades	6,492	1,943
80.06	Pearl City	4,644	1,433
80.07	Pearl City Highlands	5,815	1,580
83.01	Iroquois Point	5,050	1,468
83.02	Campbell High School	6,880	1,260
84.02	Ewa Beach	8,167	1,757
84.05	Holomua School	4,150	1,165
84.06	Hawaii Prince Golf Course	6,544	1,722
84.07	Ocean Pointe	4,073	1,125
84.08	Hoakalei Country Club	8,075	2,369
84.1	Coral Creek Golf Course	4,666	1,311
84.11	Geiger Road	3,465	1,100
84.12	Ewa Gentry	6,787	2,278
85.02	Kalaehoa	2,673	610
86.06	Kapolei Golf Course	12,181	2,946
86.09	Ko Olina-Honokai Hale	2,054	593
86.1	Ko Olina Resort	962	431
86.11	Kahe	92	30
86.12	Upper Makakilo	6,248	1,955
86.13	Makakilo: Wainohia Street	1,057	230
86.14	Kunia West	9,416	2,815
86.17	Ewa Villages	10,895	2,749
86.22	Lower Makakilo	4,670	1,027
87.01	Leeward Community College	8,703	1,723
87.02	St. Joseph School	5,971	1,631
87.03	West Loch	7,093	1,619
88	Managers Drive	9,802	1,558
89.06	Mililani Golf Course	4,108	1,302

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
89.07	Mililani High School	4,247	1,268
89.08	Mililani Marketplace	5,964	1,833
89.09	Mililani District Park	4,085	1,286
89.12	August Ahrens School	2,804	465
89.13	Robinson Heights	4,453	781
89.14	Honowai School	5,399	1,177
89.15	Waipio Acres	5,432	1,828
89.17	Mililani Town Center	4,477	1,481
89.18	Mililani: Nob Hill	5,462	1,749
89.2	Waipio Gentry	4,378	1,554
89.21	Waipio	2,503	568
89.22	Waikele	7,446	2,736
89.23	Seaview	4,826	1,811
89.24	Royal Kunia	7,420	2,026
89.25	Village Park	6,976	1,882
89.26	Laulani Valley-Mililani Technology Park	1,661	691
89.27	Koolani Drive	5,221	1,653
89.28	Mililani Mauka Middle School	3,982	1,112
89.29	Mililani Mauka-Meheula Parkway	4,313	1,846
89.3	Mililani: Ainamakua Drive	2,260	796
89.31	Waiawa	3,419	803
90	Wheeler-East Range	2,672	899
91	Kaukonahua Road	5,216	1,149
92	Wahiawa Mauka	7,867	2,367
93	Wahiawa Waena	4,748	1,530
94	Wahiawa Makai	4,953	1,703
95.01	Kolekole Avenue	6,393	1,569
95.02	Menoher Street	4,789	1,258
95.03	Foote Avenue	4,064	304
95.04	Leilehua Avenue	1,395	446
95.07	Schofield: McCarthy Field	3,588	793
96.03	Maili	10,600	2,646
96.08	Lualualei Transmitter	5,058	1,141
97.01	Waianae Kai	5,955	1,580
97.03	Lualualei-Camp Waianae	7,052	1,595
97.04	Lualualei: Halona Road	3,667	686
98.01	Makua Valley	2,480	972
98.02	Makaha	7,303	1,510
99.02	Haleiwa	3,518	1,036
99.04	Kaena Point	5,868	1,826
100	Kawailoa	3,347	1,172

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
101	Waimea-Kahuku	7,520	2,274
102.01	Hauula-Kaaawa	5,318	1,549
102.02	Laie	7,950	1,308
103.03	Kahaluu-Waikane	4,443	1,312
103.05	Ahuimanu	4,438	1,371
103.06	Haiku	6,470	2,092
103.08	Kapunahala	3,378	1,024
105.03	Kaneohe District Park	1,798	507
105.04	Waikalua Road	4,514	1,313
105.05	Heeia Kea	3,253	1,064
105.07	Kahuhipa Street	5,622	1,729
105.08	Lilipuna Road	2,483	984
106.01	Puohala	3,473	1,021
106.02	Castle High School-Halekou Road	5,478	1,529
107.01	Kokokahi	3,813	1,303
107.02	Mokulele Drive	3,564	1,162
108.01	Mokapu West	3,716	698
108.02	Mokapu East	7,482	1,823
109.01	Kalaheo Hillside	3,008	967
109.03	Oneawa Street-Kawainui	4,156	1,394
109.04	Maluniu Avenue	3,236	1,059
109.05	Ulupaina Street	2,482	865
110	Maunawili	4,120	1,097
111.03	Olomana	3,897	1,176
111.04	Enchanted Lakes	4,669	1,483
111.05	Kailua Town	3,378	1,461
111.06	Keolu	5,680	1,791
112.01	Kalaheo Avenue	4,590	1,567
112.02	Lanikai	1,556	578
113	Waimanalo	6,578	1,442
114	Waipio Peninsula	3,653	720
115	Kapolei	8,905	2,463
9400.01	Waimanalo Beach-Homesteads	3,860	983
9400.02	Nanakuli	6,974	1,513
9800	Hanauma Bay	-	-
9802	Honolulu International Airport	741	-
9803	Campbell Industrial Park	-	-
9806	Schofield Forest Reserve	-	-
9807	Schofield Barracks East Range	-	-
9808	Hoomaluhia Botanical Garden	-	-
9810	Kawainui Marsh	-	-

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
9811	Bellows Air Force Base	25	-
9813	Mapunapuna Industrial	-	-
9814	Nimitz-Airport Commercial	4	4
Northwestern Hawaiian Islands			
9812	Northwestern Hawaiian Islands	-	-
Hawaii		196,325	67,054
201	Paukaa-Wailea	4,646	1,716
202.02	Hilo: Upper Waiakea Forest Reserve	2,319	645
203	Hilo: Puueo-Downtown	4,193	1,582
204	Hilo: Villa Franca-Kaikoo	3,813	1,303
205	Hilo: University-Houselots	5,965	2,123
206	Hilo: Keaukaha-Panaewa	6,224	1,853
207.01	Hilo: Puainako	4,191	1,757
207.02	Hilo: Kawaiiani	5,017	1,744
208.01	Hilo: Kahuku-Kaumana	5,031	1,582
208.02	Hilo: Piihonua-Kaumana	6,533	2,267
209	Hilo: Haihai	4,652	1,700
210.03	Orchidland-Ainaloa	6,911	2,327
210.05	Hawaiian Paradise Park	11,325	3,884
210.1	Upper Puna (Puna Mauka)	8,066	3,137
210.11	Volcano-Mt. View	4,403	1,577
210.13	Keaau	5,419	1,700
211.01	Kalapana-Kapoho	3,196	1,650
211.06	Pahoa	8,032	2,621
212.02	Kau	8,948	2,876
213	South Kona	7,276	2,322
214.02	Konawaena	3,917	1,343
215.02	Hualalai	4,479	1,639
215.04	Kealakehe	5,096	1,333
215.07	Kalaoa	9,530	3,445
215.09	Kaumalumalu-Keauhou	5,170	1,942
216.01	Kailua	9,011	3,062
216.04	Holualoa	8,083	2,974
217.02	Waimea-Puu Anahulu	12,292	3,348
217.04	Kawaihae-Waikoloa	7,365	3,018
218	North Kohala	6,310	1,980
219.02	Honokaa-Kukuihaele	4,292	1,157

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Hawaii (con.)			
220	Paauhau-Paauilo	3,003	870
221.02	North Hilo	1,617	577
Maui		153,997	50,787
301	Hana	1,726	527
302.01	Huelo	1,978	846
302.02	Haiku	7,248	2,613
303.01	Kula	9,800	3,583
303.03	Wailea	3,706	1,697
304.02	Pukalani	8,809	3,179
304.03	Makawao	3,645	1,255
304.04	Haliimaile	5,449	1,832
305.01	Paia	2,660	801
307.05	Kihei Mauka	4,322	1,069
307.06	Kealia	2,583	1,039
307.07	Waipuilani	8,813	3,182
307.08	Halama	3,071	1,088
307.09	Kamaole	3,431	1,818
307.1	Keawakapu	2,009	909
308	Waihee-Waikapu	7,647	2,239
309.01	West Central Wailuku	2,772	1,092
309.02	East Central Wailuku	3,641	1,296
309.03	North Wailuku	6,705	1,684
310	South Wailuku	9,116	3,354
311.01	West Kahului	9,461	2,202
311.02	Central Kahului	6,024	1,617
311.03	Southeast Kahului	9,749	2,339
314.02	Kahoma	2,982	891
314.04	Lahaina	3,819	1,229
314.05	Lahainaluna	6,422	1,445
315.01	Kapalua	2,345	760
315.02	Honokahua	5,148	2,074
315.03	Honokowai	2,208	1,007
319	Spreckelsville	5,811	1,683
320	Launiupoko	897	437
9800	Kahoolawe	-	-
Lanai		3,203	1,246
316.01	Lanai	3,203	1,246

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Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2013-2017 -- Con.

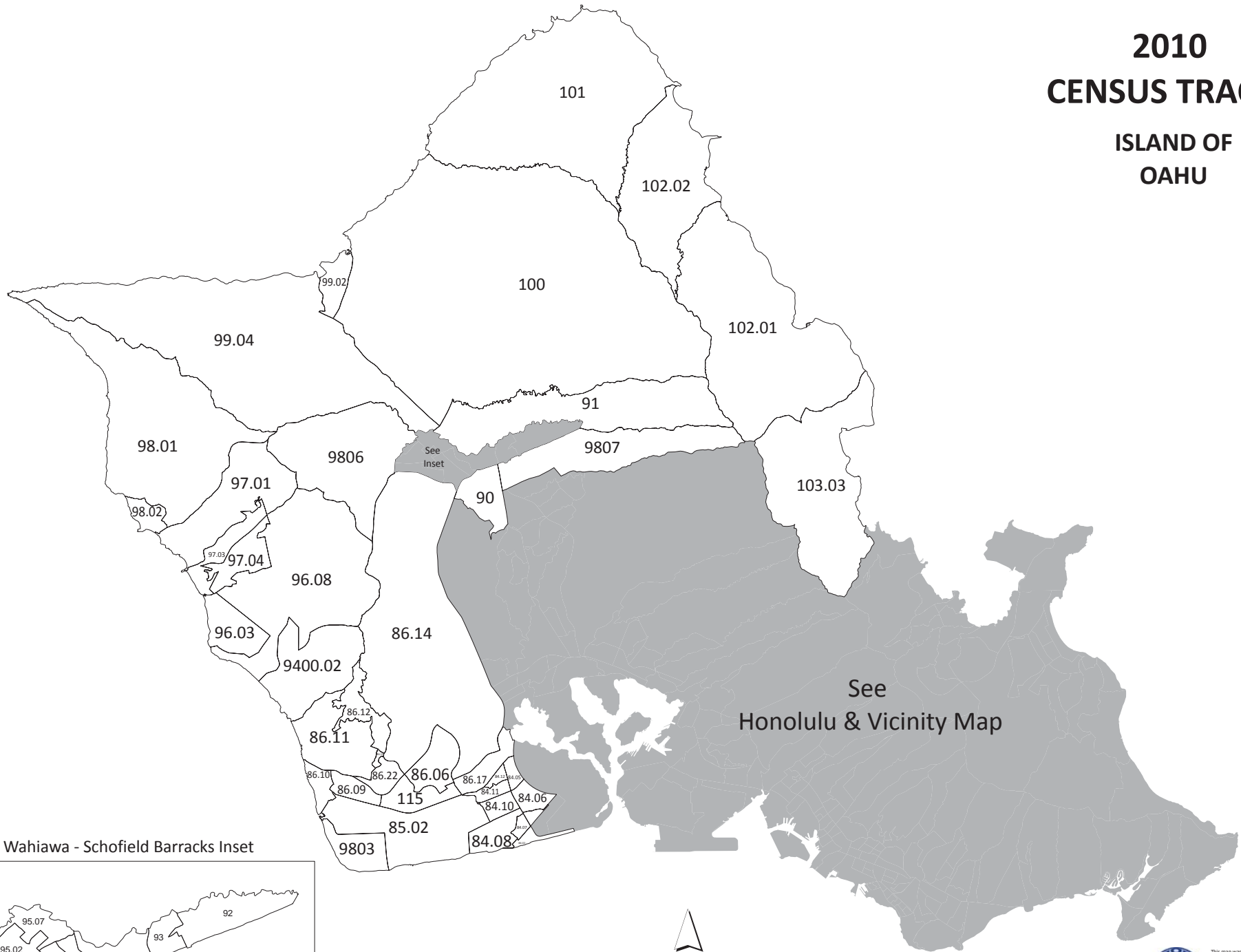
Island and 2010 census tract	Name	Resident population	Households
Molokai		6,980	2,401
317	East Molokai	4,143	1,470
318.01	West Molokai	2,751	878
319	Kalawao	86	53
Kauai		71,093	22,563
401.03	Princeville-Kilauea	5,127	1,825
401.04	Haena-Hanalei	717	286
402.04	Wailua Houselots	6,286	1,993
402.05	Wailua Homesteads	4,204	1,549
403	Kapaa	8,105	2,717
404	Puhi-Hanamaulu	11,374	2,686
405	Lihue	6,878	2,328
406.03	Koloa-Poipu	3,047	1,005
406.04	Omao-Kukuiula	3,161	1,189
407	Eleele-Kalaheo	9,527	2,928
408	Kaumakani-Hanapepe	4,133	1,227
409	Kekaha-Waimea	5,337	1,749
9400	Anahola	3,197	1,081
Niihau and Kaula		(1/)	(1/)
412	Niihau-Kaula	(1/)	(1/)

1/ In the source 2013-2017 estimate table, the population was shown as zero. There were, however, actually no responses from the people surveyed on that island.

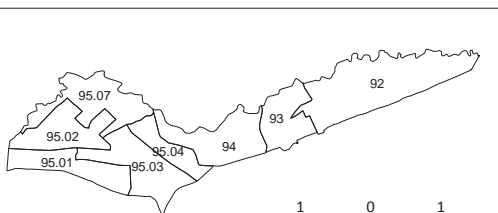
Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Tables B01003 and B11001 <<https://factfinder.census.gov>> accessed March 4, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

2010 CENSUS TRACTS

ISLAND OF OAHU



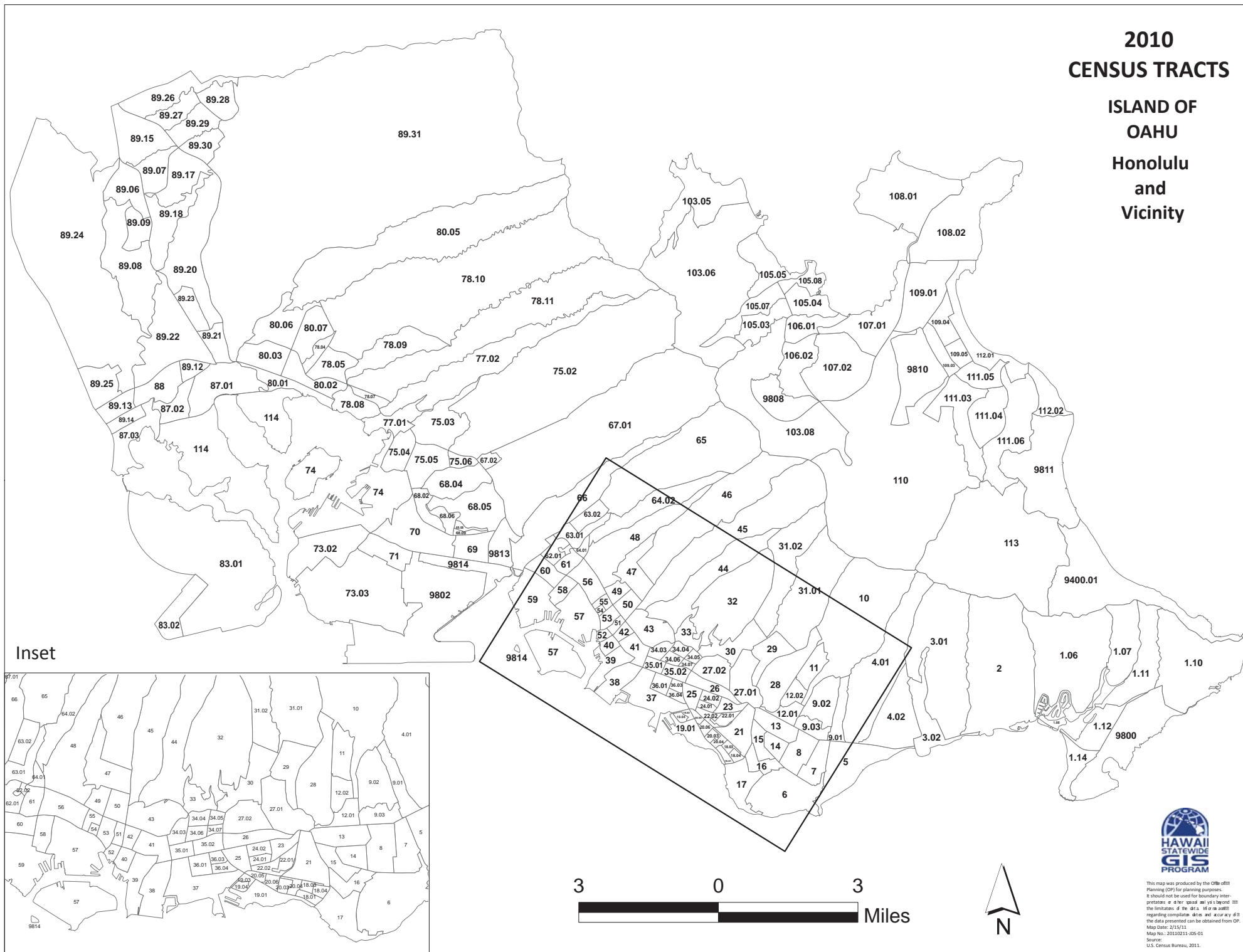
Wahiawa - Schofield Barracks Inset



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 completion dates and accuracy of the data presented can be obtained from OP.
Map Date: 2/13/11
Map No.: 2010211-09-02
Source: U.S. Census Bureau, 2011.

2010 CENSUS TRACTS

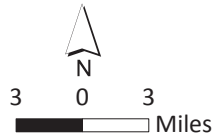
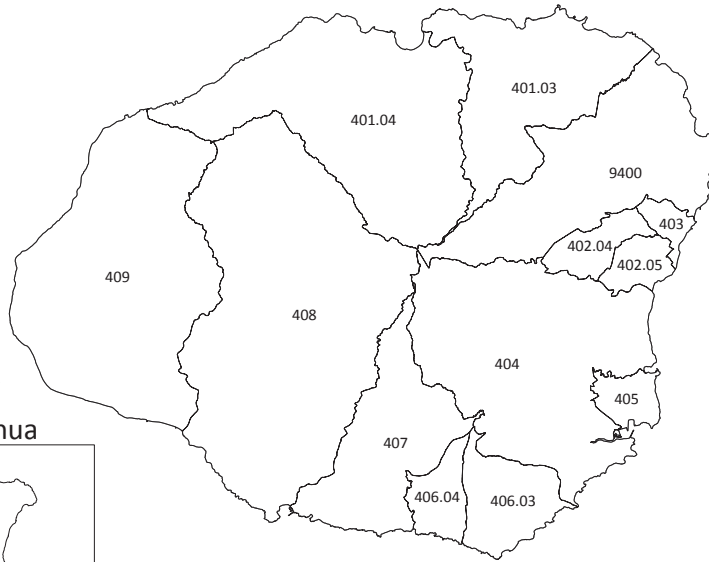
ISLAND OF
OAHU
Honolulu
and
Vicinity



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Map Date: 2/15/11
Map No.: 2010211-009-01
Source: U.S. Census Bureau, 2011.

Island of Kauai

Islands of Niihau & Lehua

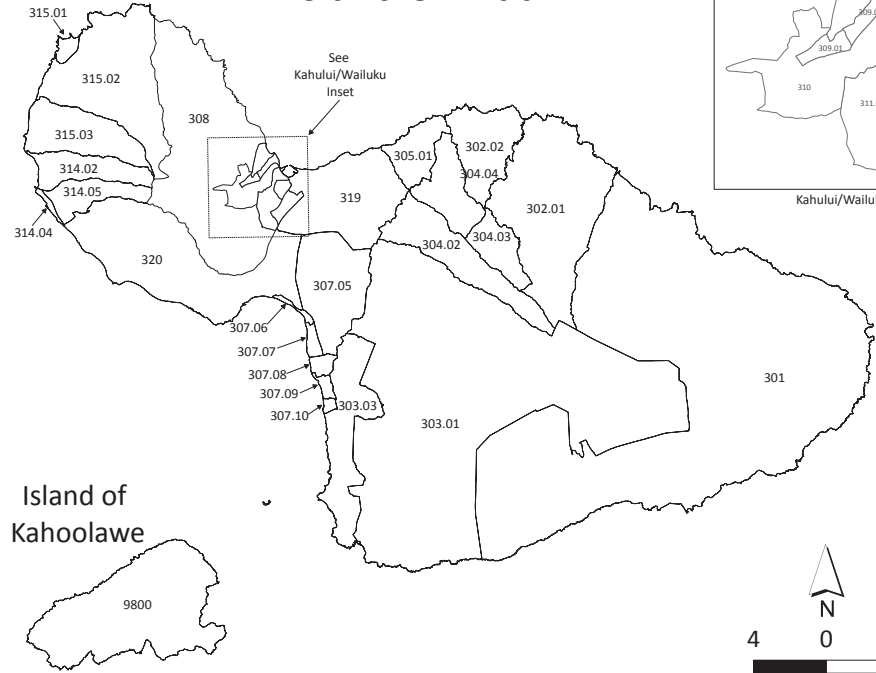


Note: Census Tract 412 includes the island of Kaula (not shown).

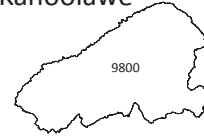
Island of Maui



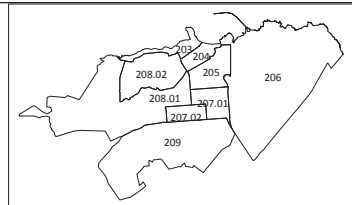
Kahului/Wailuku Inset



Island of Kahoolawe

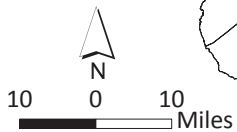
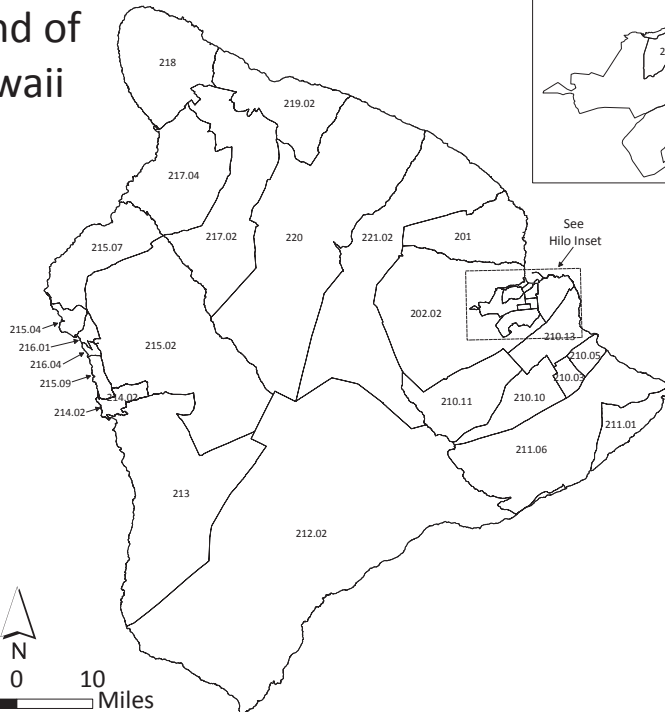


Island of Hawaii



Hilo Inset

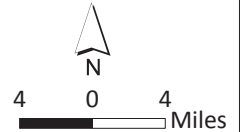
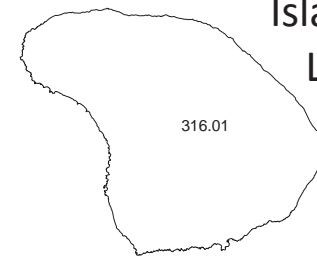
See Hilo Inset



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-J05-03
Source: U.S. Census Bureau, 2011.



**Table 1.17-- RESIDENT POPULATION OF HAWAIIAN HOME LANDS,
BY ISLAND: 2013-2017**

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period 2013 to 2017]

Island and Hawaiian Home Lands	Total	Island and Hawaiian Home Lands	Total
State of Hawaii	36,924	Kauai	2,342
Hawaii	6,665	Anahola (Agricultural)	200
Homoula-Upper Piihonua	7	Anahola (Residential)	1,519
Honokaia	-	Hanapepe	40
Honou	-	Kapaa	-
Kamoa-Puueo	13	Kekaha	576
Kamoku-Kapulena	33	Molooa	7
Kaohe-Olaa	-	Wailua	-
Kaumana	161	Waimea	-
Kawaihae	573	Lanai	67
Keahuolu	-	Lanai City	67
Kealakehe	1,015	Maui	4,818
Keaukaha	1,738	Honokowai	-
Keoniki	-	Kahikinui	-
Kolaoa	-	Kanae-Wailua	20
Lalamilo	89	Keokea (Agricultural)	215
Makuu	75	Leialii	521
Nienie	40	Paukukalo	871
Panaewa (Agricultural)	677	Pulehunui	-
Panaewa (Residential)	1,354	South Maui	-
Pauahi	-	Waiehu	1,812
Piihonua	50	Waiku-Hana	-
Ponohawaii	13	Waiohuli (Residential)	1,379
Puukapu	827	Molokai	2,266
Upolu	-	Hoolehua-Palaaau	1,433
Waiakea	-	Kalamaula	445
Wailau	-	Kalaupapa	86
Waimanu	-	Kamiloloa-Makakupaia	84
Waiohinu	-	Kapaakea	205
Kahoolawe	-	Ualapue	13

Continued on next page.

**Table 1.17-- RESIDENT POPULATION OF HAWAIIAN HOME LANDS,
BY ISLAND: 2013-2017 -- Con.**

Island and Hawaiian Home Lands	Total	Island and Hawaiian Home Lands	Total
Oahu	20,766	Oahu (con.)	
East Kapolei	72	Mali	531
Haiku	-	Makaha Valley	-
Honolulu Makai	-	Maluohai	1,278
Kakaina-Kumuhau	223	Nanakuli	5,107
Kalaeloa	19	Papakolea	1,654
Kalawahine	414	Pearl City	53
Kanehili	1,697	Princess Kahanu Estates	1,575
Kapolei	-	Waiahole	21
Kaupea	1,458	Waianae	2,444
Kewalo	393	Waianae Kai	725
Lualualei	29	Waimanalo	3,073

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Table B01003
<<https://factfinder.census.gov>> accessed May 24, 2019, and calculations by the Hawaii State Department of
Business, Economic Development & Tourism.

Table 1.18-- RESIDENT POPULATION, BY ISLAND AND ZIP CODE
TABULATION AREA: 2013-2017

[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 2013 to 2017]

Zip code tabulation area	Name 1/	Resident population	Zip code tabulation area	Name 1/	Resident population
State of Hawaii		1,421,658	Maui		
Hawaii			96708	Haiku	9,519
96704	Captain Cook	7,733	96713	Hana	1,323
96710	Hakalau	237	96732	Kahului	28,159
96719	Hawi	1,649	96753	Kihei	27,935
96720	Hilo (Main Office)	48,575	96761	Lahaina Main Office	23,516
96725	Holualoa	2,963	96768	Makawao	18,035
96726	Honauunau	1,012	96779	Paia	2,954
96727	Honokaa	5,750	96790	Kula	9,800
96728	Honomu	515	96793	Wailuku	32,704
96737	Ocean View	4,755	Kauai		
96738	Waikoloa	6,333	96703	Anahola	2,006
96740	Kailua-Kona	37,474	96705	Eleele	2,790
96743	Kamuela	14,844	96714	Hanalei	821
96749	Keaau	17,764	96716	Hanapepe	2,989
96750	Kealahakua	3,380	96722	Princeville	2,089
96755	Kapaau	3,214	96741	Kalaheo	6,603
96760	Kurtistown	2,861	96746	Kapaa	19,752
96764	Laupahoehoe	665	96747	Kaumakani	854
96771	Mountain View	8,515	96751	Kealia	27
96772	Naalehu	2,192	96752	Kekaha	3,467
96773	Ninole	56	96754	Kilauea	2,941
96774	Ookala	182	96756	Koloa	5,823
96776	Paauilo	1,407	96765	Lawai	446
96777	Pahala	1,987	96766	Lihue	18,252
96778	Pahoa	15,081	96769	Makaweli	363
96780	Papaaloa	738	96796	Waimea	1,870
96781	Papaikou	1,350	Molokai		
96783	Pepeekeo	1,948	96729	Hoolehua	1,433
96785	Volcano	3,145	96742	Kalaupapa	86
Lanai			96748	Kaunakakai	4,143
96763	Lanai City	3,203	96757	Kualapuu	580
			96770	Maunaloa	738

Continued on next page.

**Table 1.18-- RESIDENT POPULATION, BY ISLAND AND ZIP CODE
TABULATION AREA: 2013-2017 -- Con.**

Zip code tabulation area	Name 1/	Resident population	Zip code tabulation area	Name 1/	Resident population
Oahu			Oahu (con.)		
96701	Aiea	39,925	96813	Downtown	23,449
96706	Ewa Beach	71,392	96814	Downtown	19,775
96707	Kapolei	47,482	96815	Waikiki	25,611
96712	Haleiwa	7,511	96816	Waialae Kahala	50,518
96717	Hauula	5,177	96817	Kapalama	57,160
96730	Kaawa	1,286	96818	Main Office	58,777
96731	Kahuku	3,101	96819	Sand Island	54,368
96734	Kailua	51,923	96821	Hawaii Kai	18,806
96744	Kaneohe	52,653	96822	Makiki	46,999
96759	Kunia	277	96825	Hawaii Kai	29,178
96762	Laie	6,450	96826	Makiki	31,694
96782	Pearl City	38,387	96850	Honolulu	-
96786	Wahiawa	44,719	96853	Hickam AFB	595
96789	Mililani	54,482	96857	Schofield Barracks	2,878
96791	Waialua	7,844	96859	Tripler Army Med. Center	119
96792	Waianae	49,089	96860	Pearl Harbor	2,110
96795	Waimanalo	10,463	96863	MCBH Kaneohe Bay	47
96797	Waipahu	75,815			

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

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Table B01003
<<https://factfinder.census.gov>> accessed May 24, 2019, Hawaii Telcome, *The Official Hawaiian Telcom White Pages 2011 Oahu* and United States Postal Service, *Zip Code Lookup*
<<https://tools.usps.com/zip-code-lookup.htm>> accessed May 24, 2019.

Table 1.19-- 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/	13,124	17,384	19,768	19,720	23,073	25,254.9	25,193.6	29,814.5
Temporarily absent 3/	176	174	327	763	1,242	417.8	974.8	1,604.7
De facto population 4/	34,874	63,710	95,979	(NA)	96,859	122,619.6	(NA)	125,159.6
Visitors present 3/	21,926	46,500	76,538	73,751	75,028	97,782.4	94,221.8	96,949.8
Employed persons 5/								
Living in Waikiki	7,866	9,593	11,065	9,898	6/ 12,466	14,136.3	12,645.4	16,108.3
Working in Waikiki	(NA)	30,011	(NA)	(NA)	26,085	(NA)	(NA)	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 by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.20-- URBAN AND RURAL AREAS, BY COUNTY: 2010

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

Geography and subject 1/	State total	Honolulu	Hawaii	Kauai	Maui 2/
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 1.20-- 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; percent population that was rural population was 100%; land area of the rural areas was 31.1 square kilometers which was 12.0 square miles; percent 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> accessed May 31, 2013; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.21-- 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]

County	North latitude (degrees)	West longitude (degrees)	Approximate location
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	157.524450	Kaiwi Channel
Hawaii County	19.690126	155.415730	21.5 mi. W of Hilo
Maui County	20.868419	156.500230	1.3 mi. SE of Wailuku Post Office
Kalawao County	21.192297	156.980230	Kalaupapa
Honolulu County	21.376294	157.908850	0.8 mi. NW of Red Hill Elementary School
Kauai County	22.021112	159.447510	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> 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 1.22-- MILITARY PERSONNEL AND DEPENDENTS, BY SERVICE AND ISLAND: JULY 1, 2018

Service and island	Personnel and dependents	Military personnel				Dependents in Hawaii
		Total	Living ashore		Living aboard ship	
			In hsg. units 1/	In barracks		
State total 2/	112,305	51,922	(NA)	(NA)	7/ 219	60,383
Air Force 3/	11,948	5,334	(NA)	(NA)	-	6,614
Oahu	(NA)	(NA)	(NA)	(NA)	-	(NA)
Maui	(NA)	(NA)	(NA)	(NA)	-	(NA)
Army 4/	50,580	18,576	11,843	6,733	-	32,004
Oahu 4/	50,556	18,567	11,834	6,733	-	31,989
Hawaii 4/	24	9	9	-	-	15
Coast Guard 2/	2,713	1,326	1,194	66	66	1,387
Oahu	2,617	1,270	1,138	66	66	1,347
Hawaii	10	3	3	-	-	7
Maui	40	25	25	-	-	15
Kauai	46	28	28	-	-	18
Marine Corps	15,713	8,779	3,016	5,763	-	6,934
Oahu	15,699	8,776	3,013	5,763	-	6,923
Hawaii	9	2	2	-	-	7
Maui	5	1	1	-	-	4
Navy 5/	31,351	17,907	6/ 15,196	2,558	7/ 153	13,444
Oahu	31,117	17,826	6/ 15,127	2,546	7/ 153	13,291
Hawaii	34	-	-	-	-	34
Maui	29	-	-	-	-	29
Kauai	170	81	6/ 69	12	-	89
Lanai	1	-	-	-	-	1

NA Not available.

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

2/ Figures are estimated.

3/ Military personnel and dependent figures are DBEDT estimates.

4/ As of July 31, 2018. In housing units, in barracks and dependent figures are estimated.

5/ Estimated. Some dependents of military personnel receiving housing entitlements may live in another state.

6/ For the state, 3,642 Navy personnel live in PPV (Public Private Venture) privatized housing; 3,603 in Oahu and 39 in Kauai. The remainder of Navy personnel were assumed to live in the civilian community.

7/ This figure is a significant reduction from previous years' figures for 'Living aboard ship' for the Navy. It represents only those living aboard a ship on the report date. Thus, Navy personnel are counted in only one place.

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

Table 1.23-- MILITARY PERSONNEL BY ACCOMPANIMENT STATUS: 2018

[As of April 2018 unless otherwise specified. Estimates. Data for Oahu military personnel only]

Service	Permanent party personnel	Military families 1/	Military couples 2/	Unaccompanied 3/
Total	48,148	25,660	(NA)	21,584
Air Force	4,944	2,875	(4/)	2,069
Army	21,209	11,900	563	8,746
Coast Guard 5/	1,173	754	37	382
Marine Corps	9,413	4,399	304	4,710
Navy	11,409	5,732	(4/)	5,677

NA Not available.

1/ The military families figure is comprised of military personnel accompanied by dependents (i.e. spouses, children).

2/ Both spouses are permanent-party military personnel and form one family. Only one spouse is counted in the military families column and the other spouse is counted in the military couples category unless otherwise specified.

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

4/ No figures were available separately for military couples. Both spouses were counted under the military families category.

5/ Data as of February 2017.

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

**Table 1.24-- RESIDENT POPULATION PROJECTIONS, BY COUNTY:
2010 TO 2045**

[As of July 1]

Type of population and year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui 1/
Resident population 2/						
2010 3/	1,363,945	956,325	407,620	185,339	67,209	155,072
2016 3/	1,428,557	992,605	435,952	198,449	72,029	165,474
2020	1,466,632	1,010,123	456,508	209,000	74,747	172,762
2025	1,514,723	1,032,705	482,018	222,396	78,045	181,577
2030	1,556,843	1,050,077	506,766	235,601	81,218	189,947
2035	1,592,684	1,062,059	530,625	248,486	84,303	197,836
2040	1,622,480	1,069,269	553,212	260,935	87,237	205,040
2045	1,648,609	1,073,796	574,814	273,232	90,044	211,537
Annual growth rate (%)						
2010-2016 3/	0.8	0.6	1.1	1.1	1.2	1.1
2016-2020	0.7	0.4	1.2	1.3	0.9	1.1
2020-2025	0.6	0.4	1.1	1.3	0.9	1.0
2025-2030	0.6	0.3	1.0	1.2	0.8	0.9
2030-2035	0.5	0.2	0.9	1.1	0.7	0.8
2035-2040	0.4	0.1	0.8	1.0	0.7	0.7
2040-2045	0.3	0.1	0.8	0.9	0.6	0.6
Share of state resident population (%)						
2010 3/	100.0	70.1	29.9	13.6	4.9	11.4
2016 3/	100.0	69.5	30.5	13.9	5.0	11.6
2020	100.0	68.9	31.1	14.3	5.1	11.8
2025	100.0	68.2	31.8	14.7	5.2	12.0
2030	100.0	67.4	32.6	15.1	5.2	12.2
2035	100.0	66.7	33.3	15.6	5.3	12.4
2040	100.0	65.9	34.1	16.1	5.4	12.6
2045	100.0	65.1	34.9	16.6	5.5	12.8

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/ Population estimate figure for July 1 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 2045 - DBEDT 2045 Series*, Tables A-2 to A-6 (June 2018) <<http://dbedt.hawaii.gov/economic/economic-forecast/2045-long-range-forecast/>> accessed June 29, 2018.

Table 1.25-- RESIDENT POPULATION PROJECTIONS, BY AGE AND SEX: 2010 TO 2045

[As of July 1]

Age group (in years)	2010 1/			2016 1/			2020		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total	1,363,621	682,892	680,729	1,428,557	717,615	710,942	1,466,632	736,736	729,896
Under 5	87,180	44,890	42,290	91,535	46,908	44,627	95,648	48,516	47,132
5 to 9	83,269	42,811	40,458	87,086	44,747	42,339	89,267	46,383	42,884
10 to 14	81,629	41,751	39,878	81,715	42,286	39,429	83,490	43,473	40,017
15 to 19	85,649	44,420	41,229	78,701	40,824	37,877	75,149	39,468	35,681
20 to 24	95,834	52,001	43,833	97,750	54,642	43,108	91,614	50,529	41,085
25 to 29	96,929	50,562	46,367	105,887	56,085	49,802	109,914	59,032	50,883
30 to 34	88,280	45,053	43,227	102,016	52,737	49,279	103,876	54,173	49,703
35 to 39	86,374	43,779	42,595	93,592	47,768	45,824	98,199	49,606	48,592
40 to 44	89,757	45,343	44,414	83,636	42,316	41,320	88,747	44,525	44,222
45 to 49	95,595	48,104	47,491	87,599	43,773	43,826	82,887	42,112	40,775
50 to 54	98,262	49,004	49,258	90,672	45,316	45,356	85,171	42,573	42,598
55 to 59	93,653	46,302	47,351	93,955	46,331	47,624	91,566	45,102	46,463
60 to 64	83,116	41,315	41,801	90,451	44,088	46,363	91,418	44,481	46,937
65 to 69	59,670	29,086	30,584	81,361	39,640	41,721	84,247	40,750	43,497
70 to 74	41,757	19,355	22,402	57,649	27,504	30,145	73,350	35,201	38,150
75 to 79	35,048	15,143	19,905	37,740	17,099	20,641	49,351	22,651	26,700
80 to 84	30,716	12,341	18,375	28,260	11,665	16,595	30,785	13,063	17,722
85 & over	30,903	11,632	19,271	38,952	13,886	25,066	41,954	15,099	26,855

Continued on next page.

Table 1.25-- RESIDENT POPULATION PROJECTIONS, BY AGE AND SEX: 2010 TO 2045 -- Con.

Age group (in years)	2030			2040			2045		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total	1,556,843	783,072	773,771	1,622,480	817,109	805,371	1,648,609	831,493	817,116
Under 5	97,892	49,689	48,203	96,332	48,891	47,441	98,365	49,950	48,415
5 to 9	96,005	49,186	46,819	93,263	47,785	45,479	93,117	47,703	45,414
10 to 14	90,801	47,253	43,548	93,074	48,441	44,632	91,683	47,736	43,947
15 to 19	80,574	43,263	37,311	87,322	46,074	41,248	85,981	45,382	40,599
20 to 24	88,777	49,699	39,078	96,101	53,489	42,612	99,723	55,373	44,350
25 to 29	98,350	52,998	45,353	103,790	56,800	46,991	106,938	57,745	49,193
30 to 34	103,594	54,554	49,040	100,825	53,770	47,055	105,018	56,627	48,391
35 to 39	107,930	56,075	51,855	96,532	50,159	46,374	97,811	51,124	46,686
40 to 44	98,470	49,299	49,171	98,305	49,756	48,549	94,356	48,072	46,284
45 to 49	94,079	46,787	47,292	103,850	53,265	50,585	96,624	49,182	47,442
50 to 54	84,747	42,932	41,815	94,532	47,753	46,779	101,672	52,332	49,340
55 to 59	80,665	40,558	40,107	91,918	45,311	46,608	94,656	47,257	47,399
60 to 64	82,718	40,236	42,482	82,901	40,968	41,933	89,983	43,888	46,094
65 to 69	84,341	40,665	43,675	74,950	37,046	37,903	79,235	38,985	40,250
70 to 74	81,658	38,894	42,764	74,826	35,808	39,018	71,508	35,034	36,474
75 to 79	72,120	33,436	38,683	73,530	34,154	39,377	69,239	32,318	36,921
80 to 84	57,418	25,506	31,912	65,606	29,195	36,411	65,054	29,071	35,983
85 & over	56,704	22,042	34,662	94,823	38,446	56,377	107,648	43,713	63,935

1/ Population estimates for July 1 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 2045 - DBEDT 2045 Series*, Tables A-7 to A-9 (June 2018) <<http://dbedt.hawaii.gov/economic/economic-forecast/2045-long-range-forecast/>> accessed June 29, 2018.

**Table 1.26-- DE FACTO POPULATION PROJECTIONS, BY COUNTY:
2010 TO 2045**

[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					
2010 2/	1,468,677	988,095	202,682	83,516	194,384
2016 2/	1,583,139	1,048,965	222,485	93,630	218,059
2020 3/	1,638,617	1,070,437	236,684	99,048	232,448
2025 3/	1,695,167	1,093,992	252,073	103,758	245,344
2030 3/	1,746,731	1,112,667	267,463	108,457	258,143
2035 3/	1,792,080	1,125,876	282,588	113,071	270,545
2040 3/	1,829,981	1,133,609	297,097	117,362	281,913
2045 3/	1,866,457	1,139,437	311,869	121,803	293,348
Annual growth rate (%)					
2010-2016 3/	1.3	1.0	1.6	1.9	1.9
2016-2020	0.9	0.5	1.6	1.4	1.6
2020-2025	0.7	0.4	1.3	0.9	1.1
2025-2030	0.6	0.3	1.2	0.9	1.0
2030-2035	0.5	0.2	1.1	0.8	0.9
2035-2040	0.4	0.1	1.0	0.7	0.8
2040-2045	0.4	0.1	1.0	0.7	0.8

1/ Maui County including Kalawao County.

2/ Population estimates for July 1 from the U.S. Census Bureau.

3/ DBEDT projections.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2045 - DBEDT 2045 Series* (June 2018), Tables A-2 to A-6

<<http://dbedt.hawaii.gov/economic/economic-forecast/2045-long-range-forecast/>>

accessed June 29, 2018.

Table 1.27-- RESIDENT POPULATION, BY AGE AND SEX: 2000 AND 2010

Age group	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 1.28-- RESIDENT POPULATION, BY AGE AND SEX: 2010 AND 2018

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

Age group	April 1, 2010 1/			July 1, 2018		
	Both sexes	Male	Female	Both sexes	Male	Female
Total	1,360,307	681,247	679,060	1,420,491	711,002	709,489
Under 5 years	87,407	45,019	42,388	87,704	45,005	42,699
5 to 9 years	83,362	42,848	40,514	86,869	44,581	42,288
10 to 14 years	81,538	41,699	39,839	81,954	42,015	39,939
15 to 19 years	85,993	44,590	41,403	77,179	39,834	37,345
20 to 24 years	95,831	51,982	43,849	90,951	50,160	40,791
25 to 29 years	97,302	50,683	46,619	103,977	54,937	49,040
30 to 34 years	88,031	44,921	43,110	99,029	50,897	48,132
35 to 39 years	86,758	43,995	42,763	96,796	49,065	47,731
40 to 44 years	89,617	45,253	44,364	83,714	42,192	41,522
45 to 49 years	95,788	48,213	47,575	85,505	43,118	42,387
50 to 54 years	97,978	48,831	49,147	85,119	42,248	42,871
55 to 59 years	93,341	46,148	47,193	90,807	45,061	45,746
60 to 64 years	82,223	40,880	41,343	89,920	43,651	46,269
65 to 69 years	59,170	28,849	30,321	82,492	39,932	42,560
70 to 74 years	41,353	19,140	22,213	66,441	31,897	34,544
75 to 79 years	34,675	14,940	19,735	42,395	19,670	22,725
80 to 84 years	29,702	11,904	17,798	28,595	12,079	16,516
85 and over	30,238	11,352	18,886	41,044	14,660	26,384
5 to 17	216,410	110,994	105,416	215,710	110,542	105,168
18 to 24	130,314	70,125	60,189	121,243	66,048	55,195
25 to 44	361,708	184,852	176,856	383,516	197,091	186,425
45 to 64	369,330	184,072	185,258	351,351	174,078	177,273
16 years and over	1,091,086	543,088	547,998	1,148,014	571,073	576,941
18 years and over	1,056,490	525,234	531,256	1,117,077	555,455	561,622
21 years and over	1,003,517	497,218	506,299	1,070,283	530,423	539,860
65 years and over	195,138	86,185	108,953	260,967	118,238	142,729
85 years and over	30,238	11,352	18,886	41,044	14,660	26,384
Median age	38.6	37.2	39.9	39.2	37.8	40.8

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, 2018" (PEPAGESEX) (June 2019) 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, 2018" (PEPSYASEX) (June 2019) <<https://factfinder.census.gov>> accessed June 20, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.29-- RESIDENT POPULATION ESTIMATES BY AGE AND MILITARY STATUS: 2010 AND 2018

[Total includes military personnel stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present]

Age group	April 1, 2010 1/			July 1, 2018		
	Total	Military personnel	Civilian 2/	Total	Military personnel	Civilian 2/
Total	1,360,307	40,797	1,319,510	1,420,491	45,286	1,375,205
Under 5 years	87,407	-	87,407	87,704	-	87,704
5 to 9 years	83,362	-	83,362	86,869	-	86,869
10 to 14 years	81,538	-	81,538	81,954	-	81,954
15 to 19 years	85,993	1,542	84,451	77,179	1,555	75,624
20 to 24 years	95,831	12,363	83,468	90,951	13,946	77,005
25 to 29 years	97,302	10,430	86,872	103,977	11,384	92,593
30 to 34 years	88,031	6,261	81,770	99,029	7,607	91,422
35 to 39 years	86,758	5,089	81,669	96,796	5,661	91,135
40 to 44 years	89,617	3,178	86,439	83,714	2,945	80,769
45 to 49 years	95,788	1,403	94,385	85,505	1,501	84,004
50 to 54 years	97,978	422	97,556	85,119	557	84,562
55 to 59 years	93,341	89	93,252	90,807	118	90,689
60 to 64 years	82,223	20	82,203	89,920	12	89,908
65 to 69 years	59,170	-	59,170	82,492	-	82,492
70 to 74 years	41,353	-	41,353	66,441	-	66,441
75 to 79 years	34,675	-	34,675	42,395	-	42,395
80 to 84 years	29,702	-	29,702	28,595	-	28,595
85 and over	30,238	-	30,238	41,044	-	41,044
5 to 17	216,410	1	216,409	215,710	1	215,709
18 to 24	130,314	13,904	116,410	121,243	15,500	105,743
25 to 44	361,708	24,958	336,750	383,516	27,597	355,919
45 to 64	369,330	1,934	367,396	351,351	2,188	349,163
16 years and over	1,091,086	40,797	1,050,289	1,148,014	45,286	1,102,728
18 years and over	1,056,490	40,796	1,015,694	1,117,077	45,285	1,071,792
21 years and over	1,003,517	37,252	966,265	1,070,283	41,285	1,028,998
65 years and over	195,138	-	195,138	260,967	-	260,967
85 years and over	30,238	-	30,238	41,044	-	41,044
Median age	38.6	27.8	39.4	39.2	27.9	40.2

Continued on next page.

Table 1.29-- RESIDENT POPULATION ESTIMATES BY AGE AND MILITARY STATUS: 2010 AND 2018 -- Con.

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, 2018" (PEPSYASEX) (June 2019) <<https://factfinder.census.gov>> accessed June 20, 2019 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, 2018" (SC-EST2018-AGESEX-CIV) (June 2019)

<<https://www.census.gov/programs-surveys/popest/data/data-sets.html>> accessed June 20, 2019; and Department of Business, Economic Development & Tourism, "Population Estimates by Military Status by Single Years of Age for the State of Hawaii: 2010 to 2018" <<https://census.hawaii.gov/home/population-estimate/>> accessed June 25, 2019 and calculations.

Table 1.30-- RESIDENT POPULATION BY AGE GROUP, BY COUNTY: 2018

[As of July 1. 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	1,420,491	980,080	200,983	72,133	167,295
Under 5 years	87,704	61,601	11,890	4,375	9,838
5 to 9 years	86,869	59,369	12,621	4,521	10,358
10 to 14 years	81,954	55,318	12,109	4,348	10,179
15 to 19 years	77,179	53,103	11,047	3,850	9,179
20 to 24 years	90,951	69,305	10,039	3,517	8,090
25 to 29 years	103,977	77,917	11,769	4,318	9,973
30 to 34 years	99,029	71,217	12,178	4,441	11,193
35 to 39 years	96,796	67,535	12,579	4,841	11,841
40 to 44 years	83,714	57,545	11,429	4,218	10,522
45 to 49 years	85,505	58,804	11,531	4,442	10,728
50 to 54 years	85,119	57,891	11,771	4,464	10,993
55 to 59 years	90,807	59,813	13,939	5,005	12,050
60 to 64 years	89,920	56,869	16,049	5,254	11,748
65 to 69 years	82,492	51,002	15,611	5,120	10,759
70 to 74 years	66,441	43,423	11,114	3,748	8,156
75 to 79 years	42,395	28,897	6,284	2,292	4,922
80 to 84 years	28,595	20,319	3,953	1,346	2,977
85 years and over	41,044	30,152	5,070	2,033	3,789
16 years and over	1,148,014	793,106	161,969	58,045	134,894
18 years and over	1,117,077	772,315	157,430	56,384	130,948
Under 18 years	303,414	207,765	43,553	15,749	36,347
18 to 64 years	856,110	598,522	115,398	41,845	100,345
65 years and over	260,967	173,793	42,032	14,539	30,603
In percent					
Under 18 years	21.4	21.2	21.7	21.8	21.7
18 to 64 years	60.3	61.1	57.4	58.0	60.0
65 years and over	18.4	17.7	20.9	20.2	18.3
Median age	39.2	38.1	42.7	42.1	41.3
Dependency ratio 2/	65.9	63.8	74.2	72.4	66.7

Continued on next page.

**Table 1.30-- RESIDENT POPULATION BY AGE GROUP, BY COUNTY:
2018 -- Con.**

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 persons.

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, 2018" (PEPAGESEX) (June 2019) <<https://factfinder.census.gov>> accessed June 20, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.31-- 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; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

Table 1.32-- POPULATION BY MAJOR RACE: 2000 AND 2010

Subject	2000 Census		2010 Census		Race alone (change between 2000 and 2010) 1/		Race alone or in combination (change 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 race	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); and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.33-- RACE AND HISPANIC ORIGIN, BY COUNTY: 2010

Race and Hispanic origin	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
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 1.34- RESIDENT POPULATION FOR SELECTED RACES: 2010

Race	Race alone 1/	Race	Race alone or in combin- ation 2/
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
Marshallse	6,316	Vietnamese	13,266
Tongan	4,830	Tongan	8,085
American Indian and Alaska Native	4,164	Marshallse	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

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Table 1.34- RESIDENT POPULATION FOR 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 1.35-- RESIDENT POPULATION FOR SELECTED RACES: 2013-2017

[Based on a sample and subject to sampling variability. Figures displayed describes the average characteristics of people living in Hawaii between the years 2013 and 2017]

Race alone 1/			Race alone or in combination 2/		
Race	Estimate	Margin of error 3/	Race	Estimate	Margin of error 3/
White	357,308	+/- 1,794	White	609,981	+/- 4,369
Filipino	211,189	+/- 4,664	Filipino	364,147	+/- 5,004
Japanese	178,444	+/- 3,006	Japanese	314,601	+/- 4,425
Native Hawaiian	88,969	+/- 2,743	Native Hawaiian	304,343	+/- 5,271
Chinese, excluding Taiwanese	56,523	+/- 1,969	Chinese, excluding Taiwanese	200,323	+/- 4,104
Black or African American	25,884	+/- 923	Korean	49,339	+/- 2,317
Korean	23,925	+/- 1,702	Black or African American	47,890	+/- 1,289
Samoan	14,864	+/- 1,643	Samoan	35,477	+/- 2,506
Vietnamese	11,480	+/- 1,334	American Indian and Alaska Native	33,975	+/- 1,642
Marshallese	7,884	+/- 1,797	Vietnamese	15,501	+/- 1,522
Tongan	3,190	+/- 1,001	Marshallese	8,678	+/- 1,862
American Indian and Alaska Native	2,756	+/- 326	Okinawan	7,423	+/- 842
Asian Indian	2,750	+/- 511	Guamanian or Chamorro	6,915	+/- 905
Guamanian or Chamorro	2,699	+/- 556	Tongan	6,659	+/- 1,174
Okinawan	2,138	+/- 329	Asian Indian	4,819	+/- 630
Thai	2,067	+/- 393	Thai	4,117	+/- 698
Laotian	1,855	+/- 637	Laotian	2,897	+/- 835
Taiwanese	658	+/- 178	Indonesian	1,460	+/- 462
Indonesian	537	+/- 234	Cambodian	855	+/- 300
Cambodian	401	+/- 135	Taiwanese	841	+/- 198
Nepalese	336	+/- 171	Fijian	493	+/- 209
Sri Lankan	198	+/- 138	Nepalese	375	+/- 184
Fijian	190	+/- 112	Sri Lankan	263	+/- 194
Burmese	162	+/- 116	Mongolian	225	+/- 139
Mongolian	110	+/- 90	Burmese	191	+/- 125
Pakistani	68	+/- 86	Pakistani	162	+/- 95
Hmong	47	+/- 33	Malaysian	119	+/- 61
Malaysian	31	+/- 29	Bangladeshi	104	+/- 164
Bangladeshi	-	+/- 26	Hmong	47	+/- 33

Continued on next page.

**Table 1.35-- RESIDENT POPULATION FOR SELECTED RACES:
2013-2017 -- Con.**

1/ People who chose only one race.

2/ People who chose only one race or those who have chosen two or more races. Figures 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/ 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. Caution should be taken, however, when using estimates which have large margin of errors because their reliability may be questionable. In addition to sampling variability, the estimates are subject to nonsampling error. The effect of nonsampling error is not represented in these tables.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Tables B02001, B02008, B02009, B02010, B02015, B02016, B02018, and B02019 <<https://factfinder.census.gov>> accessed January 14, 2019.

Table 1.36-- POPULATION BY SELECTED DETAILED ASIAN RACE: 2000 AND 2010

Detailed population	2000 Census		2010 Census		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		Race alone or in combination	
					Numerical	Percent	Numerical	Percent
Total population	952,194	1,211,537	1,039,672	1,360,301	87,478	9.2	148,764	12.3
Total Asian	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" is included with both the Filipino and Japanese 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 & Tourism, Hawaii State Data Center.

Table 1.37-- POPULATION BY SELECTED DETAILED NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER RACE: 2000 AND 2010

Detailed population	2000 Census		2010 Census		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		Race alone or in combination	
					Numerical	Percent	Numerical	Percent
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	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 & Tourism, Hawaii State Data Center.

Table 1.38-- ETHNIC STOCK BY COUNTY: 2012

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

Ethnic stock 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
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
Samoaan/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 1.39-- 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 combina- tion 2/	Race alone 1/	Race alone or in combina- tion 2/	Race alone 1/	Race alone or in combina- tion 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 1.40-- SELECTED ANCESTRY: 2013-2017

[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 2013 to 2017]

Ancestry group 1/	Number	Percent of total population
Total	2/ 1,421,658	(3/)
German	83,594	5.9
Irish	62,517	4.4
English	54,679	3.8
Portuguese	48,735	3.4
Italian	30,877	2.2
American	18,835	1.3
French (except Basque)	17,873	1.3
Scottish	15,452	1.1
European	12,403	0.9
Polish	12,259	0.9
Norwegian	10,437	0.7
Swedish	9,756	0.7
Dutch	8,334	0.6
Scotch-Irish	6,685	0.5
Russian	5,733	0.4
Danish	3,880	0.3
Welsh	3,841	0.3
British	3,558	0.3
Subsaharan African	2,798	0.2
Hungarian	2,758	0.2
French Canadian	2,751	0.2
Greek	2,518	0.2
Arab	2,460	0.2
Czech	2,354	0.2
Swiss	2,271	0.2
Scandinavian	2,254	0.2
West Indian (except Hispanic groups)	2,086	0.1

1/ Ancestry groups containing 2,000 or more people. The categories of "Other groups" and "Unclassified or not reported" were not a part of this ranking even though they contained more than 2,000 people.

2/ People could choose more than one ancestry. The total population count for the State of Hawaii was 1,421,658 persons. There were a total of 1,639,163 ancestry responses represented.

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, 2013-2017 American Community Survey 5-Year Estimates, Table B04006 <<https://factfinder.census.gov>> accessed January 14, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.41-- PLACE OF BIRTH AND CITIZENSHIP: 2013-2017

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2013 to 2017]

Place of birth and citizenship	Number	Percent
Total population	1,421,658	100.0
Native	1,164,947	81.9
Born in Hawaii	762,893	53.7
Born in other state in the U.S.	357,550	25.2
Northeast	53,927	3.8
Midwest	67,287	4.7
South	84,346	5.9
West	151,990	10.7
Born outside United States	44,504	3.1
Puerto Rico	1,761	0.1
U.S. Island Areas	12,151	0.9
Born abroad of American parent(s)	30,592	2.2
Foreign born	256,711	18.1
Naturalized U.S. citizen	148,632	10.5
Not a U.S. citizen	108,079	7.6
18 years and over	1,114,075	100.0
Native	871,899	78.3
Foreign born	242,176	21.7
Naturalized U.S. citizen	144,569	13.0
Not a U.S. citizen	97,607	8.8

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Tables B05002 and B05003 <<https://factfinder.census.gov>> accessed January 15, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.42-- RANKING OF PLACE OF BIRTH FOR FOREIGN BORN PERSONS: 2011-2015

[Excludes population born at sea. Figures displayed describes the average characteristics of people living in Hawaii between the years 2011 and 2015. Based on a sample and subject to sampling variability]

Rank 1/	Place of birth	Number 2/	Percent of total
	Total	249,319	100.0
1	Philippines	113,175	45.4
2	Japan	23,146	9.3
3	China, excluding Hong Kong and Taiwan	18,358	7.4
4	Korea	16,480	6.6
5	Vietnam	9,506	3.8
6	Mexico	5,235	2.1
7	Canada	4,190	1.7
8	Hong Kong	3,565	1.4
9	Taiwan	3,083	1.2
10	Germany	2,946	1.2
11	Thailand	1,939	0.8
12	Laos	1,629	0.7
13	Brazil	1,307	0.5
14	India	1,256	0.5

1/ An estimate from a sample may vary from the actual population value had the entire population been surveyed. Testing statistical uncertainty allows data users to compare estimates to each other and determine whether they may conclude that the perceived difference is simply due to chance or that two estimates are different from each other. Statistical testing at a specified level, such as the 90% confidence level, allows users to assess whether areas are not statistically significantly different from each other at that level. Margins of errors needed to do this testing may be found in the source data.

2/ Place of birth areas with 1,000 or more of the foreign-born population from that specific area.

Source: U.S. Census Bureau, 2011-2015 ACS 5-Year Selected Population Tables, Table B05006 <<https://factfinder.census.gov>> and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.43-- LANGUAGE SPOKEN AT HOME BY ABILITY TO SPEAK ENGLISH, BY AGE: 2013-2017

[Persons 5 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 2013 to 2017]

Language spoken at home	Total	5 to 17 years	18 to 64 years	65 years and over
Total	1,330,241	216,166	875,949	238,126
Speak English only	986,478	173,933	642,763	169,782
Spanish	27,328	4,256	21,148	1,924
Speak English "very well"	19,305	3,203	14,751	1,351
Speak English "well"	5,848	948	4,487	413
Speak English less than "well"	2,175	105	1,910	160
Other Indo-European 1/	15,226	2,029	10,174	3,023
Speak English "very well"	11,892	1,538	7,980	2,374
Speak English "well"	2,651	447	1,739	465
Speak English less than "well"	683	44	455	184
Asian and Pacific Island 2/	294,804	35,351	197,093	62,360
Speak English "very well"	142,193	23,013	98,426	20,754
Speak English "well"	92,123	9,698	63,964	18,461
Speak English less than "well"	60,488	2,640	34,703	23,145
Other	6,405	597	4,771	1,037
Speak English "very well"	5,489	501	4,189	799
Speak English "well"	781	92	541	148
Speak English less than "well"	135	4	41	90

1/ Includes French (including Cajun), Haitian, Italian, Portuguese, German, Yiddish, Pennsylvania Dutch or other West Germanic languages, Greek, Russian, Polish, Serbo-Croatian, Ukrainian or other Slavic languages, Armenian, Persian (including Farsi and Dari), Gujarati, Hindi, Urdu, Punjabi, Bengali, Nepali, Marathi or other Indic languages, Telugu, Tamil, Malayalam, Kannada or other Dravidian languages and other Indo-European languages.

2/ Includes Chinese (including Mandarin and Cantonese), Japanese, Korean, Hmong, Vietnamese, Khmer, Thai, Lao, or other Tai-Kadai languages, Tagalog (including Filipino), Ilocano, Samoan, Hawaiian, or other Austronesian languages, and other languages of Asia.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Table B16004 <<https://factfinder.census.gov>> accessed January 15, 2019, and American Community Survey and Puerto Rico Community Survey Subject Definitions; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.44-- LANGUAGE SPOKEN AT HOME, BY COUNTY: 2011-2015

[Persons 5 years old and over. The 2011-2015 ACS 5-year dataset that was used describes the average characteristics of people living in Hawaii between the years 2011 and 2015. 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	1,315,242	919,700	179,519	65,159	150,864
Speak only English	983,565	667,508	146,822	51,197	118,038
Spanish or Spanish Creole	25,776	16,899	3,939	1,040	3,898
French (incl. Patois, Cajun)	3,340	2,149	313	242	636
French Creole	113	106	-	7	-
Italian	643	459	10	38	136
Portuguese or Portuguese Creole	2,048	1,400	296	45	307
German	3,782	2,525	383	408	466
Yiddish	40	2	35	3	-
Other West Germanic languages	284	186	48	35	15
Scandinavian languages	689	426	101	19	143
Greek	134	100	3	16	15
Russian	1,124	708	273	101	42
Polish	494	351	87	46	10
Serbo-Croatian	250	222	13	15	-
Other Slavic languages	702	464	99	25	114
Armenian	17	17	-	-	-
Persian	715	568	53	-	94
Gujarati	19	13	-	6	-
Hindi	543	401	57	42	43
Urdu	44	40	4	-	-
Other Indic languages	561	502	5	2	52
Other Indo-European languages	1,912	1,182	496	134	100
Chinese	32,758	31,120	608	592	438
Japanese	45,190	38,133	3,865	971	2,221
Korean	18,337	16,485	1,147	286	419
Mon-Khmer, Cambodian	196	112	84	-	-
Hmong	41	41	-	-	-
Thai	1,815	1,457	126	129	103
Laotian	1,999	1,943	22	-	34
Vietnamese	9,389	8,772	215	70	332
Other Asian languages	1,011	849	66	4	92
Tagalog	59,627	45,389	5,078	2,971	6,189
Other Pacific Island languages	115,208	76,932	15,021	6,594	16,661
Navajo	48	38	-	-	10
Other Native North American languages	967	904	45	-	18

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Table 1.44-- LANGUAGE SPOKEN AT HOME, BY COUNTY: 2011-2015 -- Con.

Language spoken at home 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 2/
Hungarian	129	106	3	8	12
Arabic	472	297	95	-	80
Hebrew	433	220	34	70	109
African languages	580	546	11	4	19
Other and unspecified languages	247	128	62	39	18

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, 2011-2015 American Community Survey 5-Year Estimates, B16001
<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed January 13, 2017.

Table 1.45-- LANGUAGE SPOKEN AT HOME, BY EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS: 2013-2017

[Persons 25 years old and over. Based on a sample and subject to sampling variability. Figures describe the average characteristics of people living in Hawaii between the years 2013 and 2017]

Subject	Only English	Asian and Pacific Island 1/	Spanish	Other Indo-European 2/	Other languages
Educational attainment					
Total	711,685	236,524	19,186	11,831	5,094
Less than high school graduate	34,206	45,284	1,922	642	406
High school graduate 3/	196,795	68,850	4,377	1,815	1,325
Some college or associate's degree	236,208	64,870	7,225	2,968	2,077
Bachelor's degree or higher	244,476	57,520	5,662	6,406	1,286
Percent	100.0	100.0	100.0	100.0	100.0
Less than high school graduate	4.8	19.1	10.0	5.4	8.0
High school graduate 3/	27.7	29.1	22.8	15.3	26.0
Some college or associate's degree	33.2	27.4	37.7	25.1	40.8
Bachelor's degree or higher	34.4	24.3	29.5	54.1	25.2
Employment status					
Total	711,685	236,524	19,186	11,831	5,094
In labor force	469,151	152,399	13,718	7,409	3,562
Not in labor force	242,534	84,125	5,468	4,422	1,532
Percent	100.0	100.0	100.0	100.0	100.0
In labor force	65.9	64.4	71.5	62.6	69.9
Not in labor force	34.1	35.6	28.5	37.4	30.1

1/ Chinese (including Mandarin, Cantonese); Japanese; Korean; Hmong; Vietnamese; Khmer; Thai, Lao, or other Tai-Kadai languages; Other languages of Asia; Tagalog (including Filipino); and Ilocano, Samoan, Hawaiian, or other Austronesian languages.

2/ French (including Cajun); Haitian; Italian; Portuguese; German; Yiddish, Pennsylvania Dutch or other West Germanic languages; Greek; Russian; Polish; Serbo-Croatian; Ukrainian or other Slavic languages; Armenian; Persian (including Farsi, Dari); Gujarati; Hindi; Urdu; Punjabi; Bengali; Nepali, Marathi, or other Indic languages; Other Indo-European languages; Telugu; Tamil; and Malayalam, Kannada, or other Dravidian languages.

3/ Includes equivalency.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, B16010 <<https://factfinder.census.gov>> accessed March 25, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.46-- RANKING OF SELECTED DETAILED LANGUAGE SPOKEN
AT HOME: 2013-2017**

[Persons 5 years old and over. Based on a sample and subject to sampling variability. Figures describe the average characteristics of people living in Hawaii between the years 2013 and 2017]

Language spoken at home 1/ 2/	Total	Ability to speak English	
		"Very well"	Less than "very well"
Total	1,330,241	(X)	(X)
Spoke only English at home	986,478	(X)	(X)
Spoke a language other than English at home	343,763	178,879	164,884
Ilocano, Samoan, Hawaiian, or other Austronesian lang.	123,177	62,455	60,722
Tagalog (incl. Filipino)	58,455	29,374	29,081
Japanese	45,415	24,731	20,684
Chinese (incl. Mandarin, Cantonese)	33,285	12,838	20,447
Spanish	27,328	19,305	8,023
Korean	18,910	7,062	11,848
Vietnamese	10,604	3,260	7,344
Other and unspecified languages	4,372	3,903	469
Thai, Lao, or other Tai-Kadai languages	3,717	1,653	2,064
French (incl. Cajun)	3,434	2,968	466
German	3,174	2,568	606
Portuguese	1,630	1,323	307
Russian	1,338	880	458
Italian	1,029	776	253
Other Indo-European languages	836	695	141
Hindi	695	481	214
Arabic	660	577	83
Ukrainian or other Slavic languages	612	400	212
Polish	537	465	72
Nepali, Marathi, or other Indic languages	497	280	217
Hebrew	493	463	30
Persian (incl. Farsi, Dari)	403	207	196
Khmer	376	295	81
Other languages of Asia	336	148	188
Yoruba, Twi, Igbo, or other languages of Western Africa	306	252	54
Telugu	255	151	104
Yiddish, Pennsylvania Dutch or other West Germanic lang.	231	205	26
Serbo-Croatian	209	157	52
Swahili or other lang. of Central, Eastern, & Southern Africa	194	95	99
Amharic, Somali, or other Afro-Asiatic language	180	64	116
Tamil	175	175	-

Continued on next page.

Table 1.46-- RANKING OF SELECTED DETAILED LANGUAGE SPOKEN AT HOME: 2013-2017 -- Con.

Language spoken at home 1/ 2/	Total	Ability to speak English	
		"Very well"	Less than "very well"
Spoke a language other than English at home (con.)			
Haitian	162	132	30
Other Native languages of North America	137	89	48
Greek	135	125	10
Armenian	94	82	12
Bengali	83	75	8
Gujarati	64	40	24
Navajo	63	46	17
Malayalam, Kannada, or other Dravidian languages	59	25	34
Hmong	40	26	14
Punjabi	40	10	30
Urdu	23	23	-

X Not applicable.

1/ Methodological changes to data collection in 2013 may have affected language data for 2013 or multi-year data containing data from 2013.

2/ Beginning with 2016 1-year and 2012-2016 5-year American Community Survey (ACS) data, coding of specific languages reflects languages in accordance with the International Organization for Standardization's ISO-639-3 standard.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Table B16001 <<https://factfinder.census.gov>> accessed June 3, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.47-- 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	Percent of total speakers	Speak English less than "very well"	Percent speak English less than "very well"
	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	Micronesia	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 1.48-- 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 1.49-- 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*, 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 1.50-- HOUSEHOLDS, POPULATION IN HOUSEHOLDS AND
AVERAGE HOUSEHOLD SIZE: 2000 TO 2017**

[Based on a sample and subject to sampling variability. Survey and sampling methodologies changed in 2005; therefore, caution should be used when comparing estimates for 2000 through 2004 to later estimates]

Year	Households	Population in households	Average household size
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
2015	445,936	1,387,570	3.11
2016	455,868	1,384,270	3.04
2017	458,078	1,383,103	3.02

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates (annual), Table DP02
<<https://factfinder.census.gov>> accessed March 25, 2019.

Table 1.51-- 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 1.52-- 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 1.53-- POPULATION IN GROUP QUARTERS, BY TYPE OF GROUP QUARTER, BY COUNTY: 2010

Type of group quarter	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
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 1.53-- 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 1.54-- SUBFAMILIES, BY COUNTY: 2013-2017

[Population in subfamilies. Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2013 to 2017]

Subfamily type 1/	State 2/	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Total	125,063	89,763	15,362	6,234	13,704
In married-couple subfamilies	71,225	53,935	7,627	2,903	6,760
Married couple without children	25,340	19,226	2,782	1,385	1,947
Married couple with child(ren)	24,693	18,442	2,860	885	2,506
Child	21,192	16,267	1,985	633	2,307
In mother-child subfamilies	39,713	27,014	5,063	2,490	5,146
Parent	16,085	10,794	2,197	968	2,126
Child	23,628	16,220	2,866	1,522	3,020
In father-child subfamilies	14,125	8,814	2,672	841	1,798
Parent	6,007	3,655	1,135	388	829
Child	8,118	5,159	1,537	453	969

1/ A subfamily does not maintain its own household, but lives in a household where the householder or householder's spouse is a relative. 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.

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

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Table B11014
<<https://factfinder.census.gov>> accessed June 3, 2019.

Table 1.55-- MARITAL STATUS, BY SEX: 2013-2017

[Persons 15 years old and over. Based on a sample and subject to sampling variability. Figures are the average of people living in Hawaii between the years 2013 and 2017]

Marital status	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
Total	1,161,603	100.0	580,219	100.0	581,384	100.0
Never married	384,785	33.1	217,448	37.5	167,337	28.8
Now married	594,056	51.1	299,383	51.6	294,673	50.7
Married, spouse present	523,160	45.0	264,168	45.5	258,992	44.5
Married, spouse absent	70,896	6.1	35,215	6.1	35,681	6.1
Separated	15,102	1.3	6,598	1.1	8,504	1.5
Other	55,794	4.8	28,617	4.9	27,177	4.7
Widowed	72,817	6.3	15,228	2.6	57,589	9.9
Divorced	109,945	9.5	48,160	8.3	61,785	10.6

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Table B12001
 <<https://factfinder.census.gov>> accessed March 25, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.56-- MARITAL STATUS, BY SEX AND BY COUNTY: 2013-2017

[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 2013 to 2017]

Subject	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total	1,161,603	810,063	160,111	57,769	133,660
Never married	384,785	271,839	52,068	18,249	42,629
Male	217,448	154,872	28,787	10,069	23,720
Female	167,337	116,967	23,281	8,180	18,909
Males per 100 females	129.9	132.4	123.7	123.1	125.4
Now married, spouse present	523,160	367,189	70,257	26,415	59,299
Male	264,168	186,054	35,187	13,103	29,824
Female	258,992	181,135	35,070	13,312	29,475
Males per 100 females	102.0	102.7	100.3	98.4	101.2
Now married, spouse absent 2/	70,896	50,310	9,323	3,395	7,868
Male	35,215	24,998	4,597	1,626	3,994
Female	35,681	25,312	4,726	1,769	3,874
Males per 100 females	98.7	98.8	97.3	91.9	103.1
Widowed	72,817	50,689	9,998	4,147	7,983
Male	15,228	10,107	2,232	1,247	1,642
Female	57,589	40,582	7,766	2,900	6,341
Males per 100 females	26.4	24.9	28.7	43.0	25.9
Divorced	109,945	70,036	18,465	5,563	15,881
Male	48,160	30,466	8,267	2,415	7,012
Female	61,785	39,570	10,198	3,148	8,869
Males per 100 females	77.9	77.0	81.1	76.7	79.1

1/ Maui County including Kalawao County.

2/ 'Spouse absent' includes Separated.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, Table B12001

<<https://factfinder.census.gov>> accessed June 3, 2019; and calculations by the Hawaii State

Department of Business, Economic Development & Tourism.

**Table 1.57-- 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]

Component	State total	Honolulu	Hawaii	Kauai	Maui 1/
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> 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 1.58-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION,
BY COUNTY: 2010 TO 2018**

Component	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Resident population					
April 1, 2010 (estimates base) 2/	1,360,307	953,206	185,076	67,095	154,930
July 1, 2018 (estimate)	1,420,491	980,080	200,983	72,133	167,295
Net change 3/	60,184	26,874	15,907	5,038	12,365
Resident births	152,292	109,256	19,714	7,156	16,166
Resident deaths	90,763	62,703	13,721	4,777	9,562
Foreign migrants (net) 4/	55,050	42,604	3,961	2,493	5,992
Domestic migrants (net) 5/	-55,599	-61,702	6,031	224	-152

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 domestic migration includes: (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, 2018" (PEPANNRES) and "Estimates of the Components of Resident Population Change: April 1, 2010 to July 1, 2018" (PEPTCOMP) (released April 2019)

<<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed April 26, 2019.

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

[Not comparable to tables in *Data Books* prior to 2004 due to 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	64,856	7,376	-570	58,050	11,057	100.0
Natural increase	45,461	-166	17,875	27,752	5,286	47.8
Live births	98,583	(X)	18,284	80,299	15,295	(X)
Deaths	53,122	166	409	52,547	10,009	(X)
Net mil. separations 2/	} 19,395	7,542	-18,445	30,298	5,771	52.2
Net migration 3/						

X Not applicable.

1/ April 1, 2010 to June 30, 2015.

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 and Table 2.02 (current edition); Department of Health, Office of Health Status Monitoring, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.60-- INTENDED DOMESTIC RESIDENTS TO HAWAII AND NEW INTERNATIONAL RESIDENTS ADMITTED TO HAWAII: 2001 TO 2017

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	47,556	41,815	5,741
2015	49,941	43,428	6,513
2016	49,315	43,030	6,285
2017	46,255	40,859	5,396

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

Source: Hawaii Tourism Authority, Tourism Research, records; U.S. Department of Homeland Security, Office of Immigration Statistics, *Yearbook of Immigration Statistics* (annual) <<https://www.dhs.gov/immigration-statistics/yearbook>> accessed June 25, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.61-- LEGAL PERMANENT RESIDENTS, BY COUNTRY OF BIRTH:
2013 TO 2017**

[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 years' *Data Book* tables]

Country of birth	2013	2014	2015	2016	2017
All countries	6,226	5,741	6,513	6,285	5,396
Australia	23	34	26	42	25
Brazil	32	31	56	59	46
Canada	94	80	102	76	74
China, People's Republic	560	544	487	618	492
France	13	23	25	17	28
Germany	41	42	48	42	34
Hong Kong	29	30	24	41	28
India	16	35	25	21	21
Japan	429	500	516	444	328
Korea 1/	219	224	247	208	170
Mexico	66	62	100	107	71
Nepal	14	17	47	60	49
New Zealand	19	23	16	16	20
Philippines	3,761	3,156	3,805	3,533	3,256
Russia	29	28	10	26	18
Samoa	35	33	40	29	16
Taiwan	42	35	37	36	25
Thailand	102	145	132	92	79
Tonga	33	34	45	26	27
United Kingdom	30	29	26	39	30
Vietnam	151	151	194	274	211
Other countries 2/	488	485	505	479	348

1/ For the years 2013 and 2015 through 2017, there were no legal permanent residents from North Korea. There were 5 legal permanent residents from North Korea in 2014.

2/ The detailed list of countries was expanded; thus, data are revised from previous *Data Book*.

Source: U.S. Department of Homeland Security, Office of Immigration Statistics, *Yearbook of Immigration Statistics* (annual) <<https://www.dhs.gov/immigration-statistics/yearbook>> accessed June 3, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.62-- PERSONS NATURALIZED, BY COUNTRY OF FORMER ALLEGIANCE: 1998 TO 2017

[Persons aged 18 and over. Fiscal year ending September 30]

Year	All countries	China, People's Republic	Japan	Korea	Philippines	Taiwan	Vietnam	Other countries 1/
1998	4,493	299	(NA)	362	2,083	(NA)	419	1,330
1999	3,600	395	(NA)	332	1,542	53	304	974
2000	4,372	415	(NA)	431	1,813	92	346	1,275
2001	2,885	196	(NA)	296	1,280	73	161	879
2002	2,884	235	121	309	1,265	64	124	766
2003	2,287	157	132	243	943	26	75	711
2004	2,050	132	112	220	825	26	83	652
2005	4,663	448	313	563	1,893	86	235	1,125
2006	5,276	408	250	502	2,140	80	195	1,701
2007	4,521	370	209	492	2,061	50	207	1,132
2008	5,205	348	234	354	2,766	70	204	1,229
2009	3,744	279	161	262	1,652	61	173	1,156
2010	3,190	222	110	187	1,378	36	114	1,143
2011	3,450	258	156	189	1,644	42	127	1,034
2012	3,144	205	142	185	1,553	32	116	911
2013	3,494	216	168	205	1,790	51	137	927
2014	2,931	211	154	2/ 203	1,387	25	94	857
2015	3,698	253	166	2/ 194	1,877	32	149	1,027
2016	3,673	305	154	160	2,019	26	128	881
2017	3,491	370	152	205	1,865	32	116	751

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/immigration-statistics/yearbook>> accessed March 4, 2019.

Table 1.63-- IN-MIGRATION SUMMARY, BY COUNTY: 2017

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

Movement status	State total 1/	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Total population	1,410,750	976,980	197,618	71,342	164,740
Same house (nonmovers)	1,231,340	843,097	176,903	64,028	147,242
Total movers into the area 2/	179,410	133,883	20,715	7,314	17,498
Movers within the U.S.	162,140	119,496	19,704	6,636	16,304
Within the same county	108,377	80,832	12,833	4,880	9,832
To another county within state	7,306	2,986	926	422	2,972
From a different state	46,457	35,678	5,945	1,334	3,500
Abroad	17,270	14,387	1,011	678	1,194
In percent					
Same house (nonmovers)	87.3	86.3	89.5	89.7	89.4
Total movers into the area 2/	12.7	13.7	10.5	10.3	10.6
Movers within the U.S.	11.5	12.2	10.0	9.3	9.9
Within the same county	7.7	8.3	6.5	6.8	6.0
To another county in Hawaii	0.5	0.3	0.5	0.6	1.8
From a different state	3.3	3.7	3.0	1.9	2.1
Abroad	1.2	1.5	0.5	1.0	0.7

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, 2017 American Community Survey 1-Year Estimates, Table DP02

<<https://factfinder.census.gov>> accessed July 1, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.64-- IN-MIGRATION SUMMARY, BY AGE: 2017

[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	To another county in state	From a different state	From abroad
Total	1,410,750	1,231,340	179,410	108,377	7,306	46,457	17,270
1-4	72,785	60,345	12,440	7,783	330	3,435	892
5-17	216,424	189,413	27,011	19,266	462	5,433	1,850
18-19	30,365	23,864	6,501	2,370	189	2,467	1,475
20-24	93,432	75,618	17,814	9,089	676	6,811	1,238
25-29	104,970	81,353	23,617	12,001	1,416	7,210	2,990
30-34	101,094	82,691	18,403	11,697	777	4,684	1,245
35-39	95,529	77,454	18,075	10,129	768	5,465	1,713
40-44	86,308	74,895	11,413	7,723	710	2,119	861
45-49	86,219	76,135	10,084	6,741	74	2,076	1,193
50-54	87,389	80,311	7,078	4,192	474	1,358	1,054
55-59	94,201	85,910	8,291	4,970	634	1,696	991
60-64	88,284	81,729	6,555	3,820	220	1,815	700
65-69	84,228	80,786	3,442	1,702	432	715	593
70-74	60,633	57,378	3,255	2,634	72	425	124
75+	108,889	103,458	5,431	4,260	72	748	351

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

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates, Table B07001
<<https://factfinder.census.gov>> accessed July 1, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.65-- SELECTED CHARACTERISTICS OF DOMESTIC MIGRANTS
AND NONMOVERS: 2017**

[In percent, except for population base, which is number. Percentage is calculated within each migrant and nonmover group by the characteristic group (e.g. gender). The subpopulation base figures utilized for the calculations are shown at the bottom of the table. Based on place of residence 1 year ago. Also based on a sample and subject to sampling variability]

Subject	Total	Non-movers 1/	Movers within state 2/	In-migrants 3/	Out-migrants 4/
Gender (Population 1 year & over)					
Male	50.2	49.8	52.6	52.1	51.5
Female	49.8	50.2	47.4	47.9	48.5
Age (Population 1 year & over)					
1 to 17 years	20.5	20.3	24.1	19.1	22.6
18 to 64 years	61.5	60.1	68.0	76.8	68.5
65 years and over	18.0	19.6	7.9	4.1	8.9
Marital status (Population 15 years & over)					
Never married	33.6	32.7	40.5	38.0	41.4
Now married, except separated	49.3	49.9	42.0	51.2	46.9
Divorced	9.7	9.6	12.0	7.6	8.0
Separated	1.1	1.0	2.3	2.1	1.5
Widowed	6.3	6.8	3.2	1.1	2.2
Educational attainment (Population 25 years & over)					
Less than high school graduate	7.7	7.8	8.3	1.4	5.7
High school graduate 5/	28.1	28.8	25.8	17.4	16.2
Some college or associate's degree	31.2	30.9	33.2	35.4	34.3
Bachelor's degree	21.7	21.4	23.2	27.3	26.2
Graduate or professional degree	11.2	11.1	9.5	18.6	17.5
Tenure of householder in housing unit (Population 1 year & over, in households)					
Owner-occupied	62.0	66.0	35.4	28.2	39.7
Renter-occupied	38.0	34.0	64.6	71.8	60.3

Continued on next page.

**Table 1.65-- SELECTED CHARACTERISTICS OF DOMESTIC MIGRANTS
AND NONMOVERS: 2017 -- Con.**

Subject	Total	Non-movers 1/	Movers within state 2/	In-migrants 3/	Out-migrants 4/
Individual income 6/ (Population 15 years & over)					
No income	12.4	11.9	15.2	14.2	15.1
With income	87.6	88.1	84.8	85.8	84.9
\$1 to \$9,999 or less	13.2	12.9	13.9	18.5	17.0
\$10,000 to \$14,999	6.2	6.3	5.9	5.7	9.7
\$15,000 to \$24,999	12.5	12.6	11.7	11.4	15.3
\$25,000 to \$34,999	11.6	11.7	13.0	8.1	8.8
\$35,000 to \$49,999	14.4	14.6	12.5	14.2	10.9
\$50,000 to \$64,999	10.5	10.7	9.0	10.2	6.3
\$65,000 to \$74,999	4.3	4.4	4.4	4.2	4.0
\$75,000 or more	14.8	15.0	14.6	13.5	12.9
Poverty status in the past 12 months (Population 1 year old & over, for whom poverty status can be determined)					
Below 100% of poverty level	9.5	8.7	15.5	13.6	10.1
100 to 149% of poverty level	5.4	5.5	4.4	6.4	7.0
At or above 150% of poverty level	85.1	85.8	80.2	80.0	82.9
Population base for categories above					
1 year & over	1,410,750	1,231,340	115,683	46,457	66,597
1 year & over, in households	1,366,519	1,199,744	106,956	43,410	60,875
1 year & over, poverty status determ.	1,372,708	1,202,562	109,883	43,817	61,108
15 years & over	1,167,820	1,022,489	92,317	38,360	53,419
25 years & over	997,744	882,100	75,518	28,311	39,333

1/ Individuals who lived in at the same resident 1 year ago.

2/ Includes individuals who lived at a difference residence within the State of Hawaii 1 year ago.

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

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

5/ Includes equivalency.

6/ Individual income in the past 12 months (in 2017 inflation-adjusted dollars).

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates, Tables B07001, B07003, B07008, B07009, B07010, B07012, B07013, B07401, B07403, B07408, B07409, B07410, B07412, and B07413 <<https://factfinder.census.gov>> accessed July 1, 2019; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

Table 1.66-- TOP DOMESTIC IN-MIGRATION STATES: 2017

[Ranked by largest estimate. Population 1 year and over. State of residence in 2017 was Hawaii, but different state of residence in 2016. Based on a sample and subject to sampling variability]

Rank	State	Estimate	Percent
	Total in-migrants 1/	46,457	100.0
1	California	8,843	19.0
2	Texas	4,078	8.8
3	Georgia	2,915	6.3
4	Washington	2,837	6.1
5	Virginia	2,656	5.7
6	Florida	2,460	5.3
7	Arizona	1,666	3.6
8	Colorado	1,584	3.4
9	Nevada	1,525	3.3
10	North Carolina	1,399	3.0
11	South Carolina	1,262	2.7
12	Pennsylvania	1,218	2.6
13	Oregon	1,103	2.4
14	Illinois	1,062	2.3
15	Ohio	1,053	2.3
16	Utah	962	2.1
17	Massachusetts	862	1.9
18	Alabama	844	1.8
19	New York	804	1.7
20	New Mexico	784	1.7
21	Iowa	779	1.7
22	Missouri	700	1.5
23	Kansas	637	1.4
24	Maryland	629	1.4
25	Tennessee	495	1.1
26	Idaho	466	1.0

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

Source: U. S. Census Bureau, 2017 American Community Survey 1-Year Estimates, "Table 1. State-to-State Migration Flows: 2017" <<http://www.census.gov/data/tables/time-series/demo/geographic-mobility/state-to-state-migration.html>> accessed July 6, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.67-- TOP DOMESTIC OUT-MIGRATION STATES: 2017

[Ranked by largest estimate. Population 1 year and over. State of residence in 2016 was Hawaii, but different state of residence in 2017. Based on a sample and subject to sampling variability]

Rank	State	Estimate	Percent
	Total out-migrants 1/	66,597	100.0
1	California	12,776	19.2
2	Texas	6,376	9.6
3	Virginia	4,947	7.4
4	Washington	4,855	7.3
5	Nevada	4,231	6.4
6	Colorado	3,512	5.3
7	Maryland	3,167	4.8
8	Oregon	2,671	4.0
9	Arizona	2,651	4.0
10	Florida	2,092	3.1
11	New York	1,740	2.6
12	Pennsylvania	1,639	2.5
13	Missouri	1,573	2.4
14	Utah	1,532	2.3
15	Georgia	1,482	2.2
16	North Carolina	1,463	2.2
17	Mississippi	942	1.4
18	Idaho	765	1.1

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

Source: U. S. Census Bureau, 2017 American Community Survey 1-Year Estimates, "Table 1. State-to-State Migration Flows: 2017" <<http://www.census.gov/data/tables/time-series/demo/geographic-mobility/state-to-state-migration.html>> accessed July 6, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

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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.

Table 2.01-- BIRTHS AND DEATHS: 2000 TO 2016

[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	13.1	7.5	373.2	7.2	4.5
2015	18,391	10,903	12.9	7.6	375.2	(NA)	5.8
2016	17,996	10,747	12.6	7.5	375.8	(NA)	6.0

NA Not available.

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 2018. 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, 2018" (NST-EST2018-01) (December 2018) <<https://www.census.gov/data/tables/time-series/demo/popest/2010s-state-total.html>> accessed February 4, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 2012 TO 2016

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births 2/						
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
2015	18,461	-	18,461	3,404	15,057	3,404
2016	18,068	-	18,068	3,360	14,708	3,360
Deaths						
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
2015	11,215	41	11,174	82	11,092	123
2016	11,057	41	11,016	81	10,935	122
Birth rates 3/						
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	30.6
2015	11.7	0.0	12.1	52.8	10.3	30.2
2016	11.4	0.0	11.8	52.2	10.0	30.0
Death rates 3/						
2012	6.8	0.8	7.0	1.3	7.3	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
2015	7.1	0.9	7.3	1.3	7.6	1.1
2016	7.0	0.9	7.2	1.3	7.4	1.1

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 2017.

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 2016

[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	15.0	18,506	754	2,109
2015	(NA)	(NA)	18,391	766	(NA)
2016	(NA)	(NA)	17,996	(NA)	(NA)

NA Not available.

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2017. 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, 2017" (NST-EST2017-01) (December 2017) <<https://www.census.gov/data/tables/2017/demo/popest/state-total.html>> accessed December 20, 2017; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 2004 TO 2016

[Place of occurrence basis]

Event and year	Total	Resident 1/	Nonresident and unknown
Births			
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
2015	18,461	18,391	70
2016	18,068	17,996	72
Deaths			
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
2015	11,215	10,903	312
2016	11,057	10,747	310

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: 2014 TO 2016

[Place of residence basis]

Subject	2014	2015	2016
Number of resident births	18,506	18,391	17,996
City and County of Honolulu	13,197	13,233	12,928
Percent in City and County of Honolulu	71.3	72.0	71.8
Hawaii County	2,438	2,371	2,348
Kauai County	893	887	842
Maui County (incl. Kalawao)	1,978	1,900	1,878
Percent attended by M.D. or D.O. in hospital	88.0	87.5	82.7
 Males per 100 females	 107.3	 103.3	 110.7
 Median weight of single births (grams) 1/	 3,286	 3,285	 3,280
Percent low birth weight (under 2,500 grams) 1/	7.9	8.3	8.6
Percent single births under 40 weeks gestation	70.1	70.0	70.7
Percent plural births	3.1	2.8	3.5
Percent with 1 or more congenital malformations	(NA)	(NA)	(NA)
 Percent to unmarried mothers	 37.4	 37.5	 37.6
Percent with prenatal visit in first three months	(NA)	(NA)	(NA)
Percent first child born to mother 2/	32.4	33.0	30.7
Percent first child born alive to mother	37.4	39.3	39.3
Median age of mothers (years)	29	29	29
Median age of known fathers (years)	31	31	31

NA Not available.

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

2/ 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 HAWAII AND THE UNITED STATES: 2013 TO 2017

[Registered births. Excludes births to nonresidents of the United States. Fertility rates are births per 1,000 women aged 15-44. Birth rates are per 1,000 population. Population estimated as of July 1.

Type of rate	Hawaii	United States	Rank 1/
2013			
Birth rate	13.5	12.4	11
Fertility rate	71.5	62.5	7
2014			
Birth rate	13.1	12.5	13
Fertility rate	69.3	62.9	11
2015			
Birth rate	12.9	12.4	2/ 14
Fertility rate	68.7	62.5	11
2016			
Birth rate	12.6	12.2	3/ 14
Fertility rate	67.6	62.0	10
2017			
Birth rate	12.3	11.8	4/ 15
Fertility rate	65.9	60.3	7

1/ Hawaii's rank among the 50 states and the District of Columbia, highest rate ranking 1.

2/ Tied with 1 other state.

3/ Tied with 4 other states.

4/ Tied with 3 other states.

Source: U.S. National Center for Health Statistics, National Vital Statistics Reports (NVSr), *Births: Final Data* (annual) <<https://www.cdc.gov/nchs/products/nvsr.htm>> accessed February 4, 2019.

**Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE, BY
MILITARY STATUS OF PARENT: 2016**

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

Military status of parent	Total births	Unmixed	Mixed 1/	Not reported 2/	Percent mixed 3/
Total	17,996	7,521	9,697	778	56.3
Military 4/	3,350	2,350	957	43	28.9
All others 5/	14,646	5,171	8,740	735	62.8

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: 2016**

[Place of occurrence basis. A total of 8,918 first names, including variant spellings, was reported for the 18,068 babies born in Hawaii in 2016]

Boys' names			Girls' names		
Rank	Name	Number	Rank	Name	Number
1	Noah	77	1	Olivia	57
2	Liam	72	2	Mia	55
3	Elijah	61	3	Emma	53
4	Ethan	60	4	Isabella	50
5	William	55	5	Ava	47
6	Logan	51	6	Riley	46
6	Luke	51	7	Aria	45
8	Aiden	50	8	Sophia	43
8	Ezekiel	50	9	Amelia	42
10	James	49	10	Grace	36

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

Table 2.09-- MOST COMMON SURNAMES ON BIRTH AND DEATH CERTIFICATES: 2016

Birth certificates			Death certificates		
Rank	Surname	Number	Rank	Surname	Number
1	Smith	81	1	Lee	81
2	Lee	76	2	Wong	51
3	Johnson	65	3	Kim	46
4	Brown	46	4	Higa	40
4	Garcia	46	5	Nakamura	38
4	Williams	46	6	Yamamoto	36
7	Kim	44	6	Young	36
8	Davis	41	8	Chang	33
9	Rivera	39	8	Smith	33
10	Nguyen	37	10	Tanaka	31

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 AND 2010

[In years]

Year	All races	White	Chinese	Filipino	Hawaiian and Part-Hawaiian	Japanese	Other
1910	44.0	54.8	54.2	(NA)	32.6	49.3	15.6
1920	45.7	56.5	53.8	28.1	33.6	50.5	28.4
1930	54.0	61.9	60.1	46.1	41.9	60.1	32.6
1940	62.0	64.0	65.3	56.9	51.8	66.3	59.5
1950	69.5	69.2	69.7	69.1	62.5	72.6	68.3
1960	72.4	72.8	74.1	71.5	64.6	75.7	62.2
1970	74.2	73.2	76.1	72.6	67.6	77.4	76.7
1980	77.9	75.8	81.7	79.3	71.8	80.9	79.0
1990	78.9	75.5	82.9	78.9	74.3	82.1	80.4
2000	80.5	79.0	86.1	80.9	74.3	82.8	(NA)
Female	83.6	81.8	88.6	85.9	77.1	85.7	(NA)
Male	77.5	76.7	83.5	78.0	71.5	79.7	(NA)
2010	82.4	80.6	87.7	84.3	76.6	84.7	(NA)
Female	85.6	83.4	90.0	88.1	79.4	88.0	(NA)
Male	79.2	78.3	85.3	80.8	73.9	81.2	(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; and Yanyan Wu PhD., Kathryn Braun DrPH, Alvin T. Onaka PhD, Brian Y. Horiuchi, MPH, Caryn J. Tottori MA, and Lynne Wilkens DrPH, *Life Expectancies in Hawaii: A Multi-Ethnic Analysis of 2010 Life Tables* (Hawaii Journal of Medicine & Public Health, Vol. 76, No. 1, January 2017) <<http://hjmph.org/76.01.htm>> accessed January 11, 2017.

Table 2.11-- EXPECTATION OF LIFE AT BIRTH, BY SEX, FOR HAWAII AND THE UNITED STATES: 1920 TO 2010

[Average expectation of life in years]

Year of birth	Hawaii			United States		
	Both sexes	Male	Female	Both sexes	Male	Female
1920	45.7	45.6	45.8	54.1	53.6	54.6
1930	54.0	52.7	55.9	59.7	58.1	61.6
1940	62.0	59.9	64.9	62.9	60.8	65.2
1950	69.5	67.8	71.7	1/ 68.2	1/ 65.6	1/ 71.1
1960	72.4	70.4	74.8	1/ 69.7	1/ 66.6	1/ 73.1
1970	74.2	72.1	76.4	70.8	67.1	74.7
1980	77.9	74.5	81.5	73.7	70.0	77.4
1990	78.9	75.9	82.1	75.4	71.8	78.8
2000	80.5	77.5	83.6	76.8	74.1	79.3
2010	82.4	79.2	85.6	78.7	76.2	81.0

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; and Yanyan Wu PhD., Kathryn Braun DrPH, Alvin T. Onaka PhD, Brian Y. Horiuchi, MPH, Caryn J. Tottori MA, and Lynne Wilkens DrPH, *Life Expectancies in Hawaii: A Multi-Ethnic Analysis of 2010 Life Tables* (Hawaii Journal of Medicine & Public Health, Vol. 76, No. 1, January 2017) <<http://hjmph.org/76.01.htm>> accessed January 11, 2017.

**Table 2.12-- EXPECTATION OF LIFE AT BIRTH, BY SEX,
BY COUNTY: 2014**

[Average expectation of life in years. 2013-2015 average used to calculate the death rate]

County	Both sexes	Male	Female
State of Hawaii	81.5	78.7	84.4
Hawaii	80.2	77.2	83.4
Honolulu	81.8	79.0	84.6
Kauai	81.9	79.4	84.4
Maui 1/	81.1	78.2	84.1

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 2045 - DBEDT 2045 Series* (June 2018)

<<http://dbedt.hawaii.gov/economic/economic-forecast/2045-long-range-forecast/>> accessed June 29, 2018 and records.

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

[Average of the three years]

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> accessed June 24, 2012.

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

[Average of the three years]

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: 2014

[Average expectation of life in years. 2013-2015 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	
	Male	Female	Male	Female
0	78.7	84.4	100,000	100,000
1	78.2	83.8	99,437	99,519
5	74.2	79.8	99,356	99,429
10	69.3	74.9	99,298	99,380
15	64.3	69.9	99,233	99,345
20	59.5	65.0	98,988	99,207
25	54.7	60.1	98,554	99,043
30	50.0	55.2	98,084	98,864
35	45.3	50.3	97,507	98,602
40	40.6	45.5	96,706	98,244
45	36.0	40.8	95,734	97,678
50	31.6	36.2	93,982	96,669
55	27.5	31.7	91,276	95,102
60	23.5	27.3	87,651	93,062
65	19.8	23.1	82,620	90,272
70	16.1	19.0	76,503	86,364
75	12.8	15.3	68,255	80,405
80	9.8	11.8	56,911	71,603
85	7.2	8.6	42,840	59,716
90	4.7	5.8	27,890	43,728
95	3.1	4.0	11,125	22,367
100	2.2	2.9	1,851	6,884

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2045 - DBEDT 2045 Series*, Tables A-27 to A-28 (June 2018) <<http://dbedt.hawaii.gov/economic/economic-forecast/2045-long-range-forecast/>> accessed July 13, 2018.

Table 2.16-- CHARACTERISTICS OF RESIDENT DEATHS: 2014 TO 2016

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

Subject	2014	2015	2016
Number of resident deaths	10,591	10,903	10,747
City and County of Honolulu	7,387	7,504	7,451
Hawaii County	1,559	1,678	1,687
Kauai County	514	564	551
Maui County (incl. Kalawao)	1,131	1,157	1,058
Males per 100 females	112.5	110.3	113.4
Median age (years)	79	79	79
Centenarian deaths:	148	172	171
Male	39	38	44
Female	109	134	127
Oldest (age in years):	108	108	110
Male	106	104	105
Female	108	108	110
Percent married	37.9	37.2	37.5
Deaths under 1 year	81	105	105
Per 1,000 live births	4.4	5.7	5.8
Fetal deaths 1/	2,863	(NA)	(NA)
Per 1,000 deliveries	135.0	(NA)	(NA)
Fetal deaths, 20 or more weeks gestation 2/	125	(NA)	(NA)
Per 1,000 live births	6.8	(NA)	(NA)
Standard fetal deaths 3/	754	766	(NA)
Elective abortions	2,109	(NA)	(NA)
Per 1,000 live births	114	(NA)	(NA)

NA Not available.

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: 2016

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

Causes of death 1/	Both sexes	Males 2/	Females
Total deaths	10,747	5,710	5,037
Malignant neoplasm 3/	2,345	1,271	1,074
Stomach	81	45	36
Colon, rectum and anus	226	110	116
Pancreas	191	95	96
Trachea, bronchus and lung	538	326	212
Breast (female)	137	-	137
Cervix uteri, corpus uteri and ovary	107	-	107
Prostate	117	117	-
Urinary tract	107	69	38
Non-Hodgkin's lymphoma	80	43	37
Leukemia	81	46	35
Other malignant neoplasms	680	420	260
Diabetes mellitus	280	149	131
Alzheimer's disease	440	144	296
Diseases of the heart	2,435	1,368	1,067
Hypertensive heart disease	182	118	64
Ischemic heart disease	1,203	765	438
Other forms of heart disease	1,050	485	565
Hypertension	114	47	67
Cerebrovascular disease	662	277	385
Other circulatory system diseases (including atherosclerosis)	90	45	45
Influenza/pneumonia	505	260	245
Chronic lower respiratory diseases	334	190	144
Peptic ulcer	22	11	11
Chronic liver disease and cirrhosis	119	79	40
Nephritis and nephrosis	212	97	115
Pregnancy, Childbirth and Puerperium	5	-	5
Perinatal conditions	57	29	28
Congenital anomalies	24	14	10
Symptoms and ill-defined conditions (inc. sudden infant death syndrome)	246	135	111
Other diseases 4/	2,067	1,042	1,025
Motor vehicle accidents	124	81	43
All other and unspecified accidents and adverse effects	435	287	148
Intentional self-harm (suicide)	171	143	28
Assault	36	24	12
All other external causes	24	17	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 2019**

[Complete through June 1, 2019]

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	Kau; 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	Waialua	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 2019

[Includes all accidents, natural disasters, and other events causing five or more deaths.
Complete through June 1, 2019]

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 2016

[Place of occurrence basis]

Method	1980	1990	2000	2010	2015	2016
All methods	5,204	7,055	8,511	9,654	11,215	11,057
Cremation	2,241	3,564	5,092	6,661	8,097	8,012
Burial	2,343	2,798	2,767	2,322	2,399	2,375
Removal	567	656	591	562	559	501
Medical science	-	-	40	91	141	150
All others 1/	53	37	21	18	19	19

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 2018, AND BY LEVEL OF VISUAL IMPAIRMENT, 2018**

[As of June 30. Register data reflect blind and visually impaired individuals who have signed up for Ho'opono Services for the Blind]

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 2/	3,502	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
2016	2,802	2,203	307	116	176
2017	2,943	2,319	324	123	177
2018	3,020	2,385	333	124	178
Level of visual impairment: 2018					
Total	3,020	2,385	333	124	178
Blind 3/	2,626	2,075	285	105	161
Visually impaired 4/	394	310	48	19	17

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

2/ For the City and County of Honolulu, 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]

Selected chronic conditions	Prevalence of condition 1/	Conditions per 1,000 persons 2/
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: 2012 TO 2016

[2016 data reported for deaths as of June 29, 2018; earlier deaths data not updated]

Disease	2012	2013	2014	2015	2016
Cases 1/					
AIDS	87	130	34	35	19
Campylobacteriosis	617	825	737	572	524
E. coli 0157:H7	20	28	25	42	28
Fish poisoning 2/	21	3/ 16	24	3/ 30	30
Giardiasis	34	60	43	43	41
Gonorrhea	815	718	1,020	1,252	1,463
Hansen's Disease 4/	24	14	14	7	15
Hepatitis A	5	16	5	3/ 8	296
Hepatitis B (acute)	5	4	3/ 5	3/ 10	1
Influenza 5/	3/ 2,811	3/ 5,086	5,382	7,477	5,129
Leptospirosis 6/	11	3/ 19	3/ 23	3/ 23	33
Malaria 7/	4	1	5	1	1
Measles (rubeola) 7/	-	-	15	-	1
Meningitis, bacterial	2	1	2	5	2
Mumps 8/	1	-	1	4	10
Pertussis (whooping cough) 5/	3/ 71	50	38	3/ 46	56
Pneumococcal disease	3/ 79	82	89	67	101
Rubella 7/	-	2	-	-	-
Salmonellosis	341	349	323	3/ 299	327
Shigellosis	27	42	29	82	41
Syphilis (primary & secondary)	23	46	68	92	112
Tuberculosis	119	115	136	127	119
Deaths 9/					
AIDS	16	8	18	13	14
Hepatitis B (acute)	(10/)	6	6	(10/)	6
Influenza	5	10	13	38	16
Meningitis, bacterial	(10/)	(10/)	(10/)	-	(10/)
Pneumococcal disease	(10/)	(10/)	(10/)	(10/)	-
Salmonellosis	-	(10/)	-	-	(10/)
Syphilis	-	-	-	-	-
Tuberculosis	(10/)	(10/)	6	(10/)	5

Continued on next page.

Table 2.23--SPECIFIED COMMUNICABLE DISEASES: 2012 TO 2016 -- Con.

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

Source: Hawaii State Department of Health, Office of Health Status Monitoring and Disease Outbreak Control Division, Disease Investigation Branch and AIDS Surveillance Program, "Historical Summary of Reported Cases of Notifiable Diseases, Hawaii, 2008-2017"

<https://health.hawaii.gov/docd/files/2018/06/Disease-Summary-Table-2008_2017_State.pdf> accessed July 18, 2018.

**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS
18 YEARS AND OLDER, BY COUNTY: 2017**

[Weighted percent of adults who reported the health risk behaviors or conditions. Based on sample and subject to sampling variability]

Risk factor	State	Hawaii	Honolulu	Kauai	Maui
Seatbelt non-use 1/	6.1	5.3	5.8	6.1	5.2
Lack of physical activities 2/	23.5	24.7	24.0	24.0	20.3
Less consumption of vegetables 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Less consumption of fruit or fruit juice 4/	85.1	81.1	86.0	85.0	86.1
Binge drinking 5/	19.5	19.0	19.0	21.8	20.5
Current smoker 6/	12.8	14.9	12.3	13.1	12.5
Current use of e-cigarettes 7/	4.7	5.1	4.6	3.8	4.1
Diagnosed with asthma	17.1	18.1	17.1	16.5	17.9
Diagnosed with kidney disease 8/	3.1	3.6	3.1	2.2	3.5
Diagnosed with diabetes	10.9	10.6	11.5	7.9	10.8
Diagnosed with high cholesterol	31.8	28.9	33.1	27.8	30.9
Diagnosed with hypertension	30.6	31.5	31.9	27.6	28.1
Overweight 9/	35.0	34.4	35.5	34.4	35.2
Obese I 9/	14.9	14.5	15.4	14.2	13.9
Obese II 9/	5.4	5.9	5.3	4.9	5.1
Obese III 9/	3.5	3.0	3.7	2.3	4.0

NA Not available.

1/ Adults who do not always wear seatbelts in cars.

2/ Other than your regular job, did not participate in any physical activities or exercise such as running, calisthenics, golf, gardening, or walking for exercise in the past month.

3/ Eat vegetables less than three times per day.

4/ Eat fruit or drink fruit juice less than three times per day.

5/ Five or more drinks for men, or four or more drinks for women, on one occasion in the past 30 days.

6/ Adults who ever smoked 100 cigarettes and who now smoke some days or every day.

7/ Adults who use e-cigarettes some days or every day.

8/ Does not include kidney stone, bladder infection or incontinence.

9/ Overweight has BMIs greater than or equal to 25 but less than 30. 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, Hawaii Indicator-Based Information System (Hawaii-IBIS) <http://ibis.hhdw.org/ibisph-view/query/selection/brfss/_BRFSSSelection.html> accessed May 20, 2019.

Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES, BY TYPE OF FACILITY: 2003 TO 2017

[Figures based on facilities that reported their activity]

Category and year	Facility type			
	Total 1/	Acute care	Long-term care	Specialty care
Number of facilities 1/				
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	67	16	46	15
2014	65	17	44	15
2015	86	23	50	29
2016	85	23	48	28
2017	90	23	49	30
Number of licensed beds				
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	7,200	2,297	4,101	802
2014	7,200	2,362	4,027	811
2015	7,529	2,455	4,079	995
2016	7,939	2,495	4,402	1,042
2017	7,755	2,535	4,225	995

1/ Institutions providing more than one type of care are counted only once in the total number of facilities.

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Health Care Utilization Report* (annual) <<http://health.hawaii.gov/shpda/>> accessed February 4, 2019 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: 2003 TO 2017**

[Figures based on facilities that reported their activity]

Type of facility and year	Admissions	Average daily census	Average daily percent occupancy
Acute care			
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	113,907	1,595	69.4
2014	109,643	1,622	68.7
2015	116,816	1,715	69.9
2016	110,713	1,667	66.8
2017	110,093	1,683	66.4
Long-term care			
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	9,034	3,633	88.6
2014	8,922	3,580	88.9
2015	9,961	3,417	83.8
2016	9,682	3,698	84.0
2017	10,025	3,581	84.8

Source: State Health Planning & Development Agency, *Health Care Utilization Report* (annual) <<http://health.hawaii.gov/shpda/>> accessed February 6, 2019 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: 2017

[Figures based on facilities that reported their activity]

Category and island	Facilities			
	Total 1/	Acute care	Long-term care	Specialty care
Number of facilities 1/				
State total	90	23	49	30
Oahu	61	10	31	23
Hawaii	14	6	9	3
Kauai	6	3	5	-
Maui	6	2	3	3
Molokai	2	1	-	1
Lanai	1	1	1	-
Number of licensed beds				
State total	7,755	2,535	4,225	995
Oahu	5,516	1,874	2,733	909
Hawaii	1,024	308	700	16
Kauai	444	111	333	-
Maui	737	223	449	65
Molokai	20	15	-	5
Lanai	14	4	10	-

1/ Institutions providing more than one type of care are counted only once in the total number of facilities.

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2017 Data* <<http://health.hawaii.gov/shpda/>> accessed February 6, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.28-- 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 2.29-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED
ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLAND: 2017**

[Figures based on facilities that reported their activity]

Type of facility and island	Admissions	Average daily census	Occupancy (%)
Acute care 1/			
State total	110,093	1,683	66.4
Oahu	81,805	1,293	69.0
Hawaii	13,595	172	55.8
Kauai	5,272	61	55.0
Maui	9,345	156	70.0
Molokai	72	1	7.9
Lanai	4	-	0.8
Long-term care 1/			
State total	10,025	3,581	84.8
Oahu	7,742	2,302	84.2
Hawaii	1,330	637	90.9
Kauai	394	280	84.1
Maui	546	355	79.2
Molokai	-	-	0.0
Lanai	13	8	76.5

1/ Acute/SNF swing beds are now classified under acute care.

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency,
Health Care Utilization Report 2017 Data <<https://health.hawaii.gov/shpda/>> accessed May 20, 2019.

**Table 2.30-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE
CHILD AND ADOLESCENT MENTAL HEALTH SERVICES: 2014 TO 2018**

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

Subject	2014	2015	2016	2017	2018
Total	2,225	2,405	2,496	2,405	2,372
Youths registered with services procured 1/ Number	1,337	1,505	1,528	1,420	1,397
Percent	60.1	62.6	61.2	59.0	58.9
Mean age (years)	13.9	13.6	13.5	13.3	13.2
Sex (%)					
Male	62.0	62.0	61.2	60.6	61.7
Female	38.0	38.0	38.8	39.4	38.3
County					
Hawaii	801	846	869	712	731
Honolulu	898	946	1,058	1,061	1,019
Kauai	225	262	190	202	232
Maui	248	320	348	319	329
Special populations 2/	53	31	31	111	61
Selected services procured (%) 3/					
Out-of-home	27.2	23.9	22.0	22.2	20.0
Out-of-state	1.6	2.3	2.5	2.0	1.5
Hospital-based residential	5.5	4.7	4.5	6.0	5.9
Community high risk 4/	1.0	0.7	0.5	0.6	0.6
Community residential	10.4	8.5	(4/)	(4/)	(4/)
Community-based residential II	(4/)	(4/)	0.7	0.6	0.5
Community-based residential III	(4/)	(4/)	8.3	7.8	5.7
Transitional family home 5/	(NA)	(NA)	9.5	9.4	9.5
Intensive home & community	77.4	76.8	82.1	84.5	86.0
Multi-systemic therapy	15.5	12.3	12.2	11.1	12.2
Intensive in-home	65.7	67.5	68.3	70.1	70.5
Outpatient 6/	20.2	22.5	15.4	10.0	7.9
Supportive services 7/	12.9	12.1	11.8	11.7	13.1
Crisis stabilization	2.8	2.5	20.1	1.5	1.6

Continued on next page.

**Table 2.30-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE
CHILD AND ADOLESCENT MENTAL HEALTH SERVICES: 2014 TO 2018 -- Con.**

NA Not available.

1/ Youths receiving one or more services procured from contracted provider agencies. Percent figure for the youths receiving one or more services procured from contracted provider agencies is out of the total number of youths registered.

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

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/ In 2016, the "Community residential" category was split into "Community-based residential II" and "Community-based residential III." The category of "Community high risk" is considered to be "Community-based residential I."

5/ There is no longer a category called "Therapeutic group home". There is a category called "Transitional family home" which used to be under the category "Therapeutic group home."

6/ Previously under the category "therapeutic group home."

7/ 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, *Fiscal Year Annual Fact Book* (annual) <<https://health.hawaii.gov/camhd/resource-library/research-and-evaluation/>> accessed May 20, 2019.

Table 2.31-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 2005 TO 2018

Facilities and year	Persons active, Dec. 31	Admissions	Discharges	Persons served
Hawaii State Hospital				
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
2015	190	211	220	482
2016	189	247	245	481
2017	194	219	213	477
2018	187	214	222	503
State-supported outpatient community mental health centers				
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
2015 1/	2,625	1,095	1,368	2,899
2016 1/	2,525	917	1,139	2,571
2017 1/	2,491	1,165	1,336	2,561
2018 1/	2,439	1,250	1,443	2,495

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 2.32-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:
2000 TO 2018**

[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	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	299	131	196	204
2015	202	304	112	205	198
2016	202	349	148	203	209
2017	202	319	115	203	202
2018	202	351	125	203	201

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. Prior to the 2015 data, 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 fiscal year 2018, 5.6 percent of patients went on leave or absent without leave.

Source: Hawaii State Hospital, records.

Table 2.33-- HANSEN'S DISEASE PATIENTS REGISTERED: 2012 TO 2016

Subject	2012	2013	2014	2015	2016
Patients on register, Dec. 31	298	304	304	285	296
Department of Health, Hansen's Disease					
Community Program 1/	281	288	288	270	283
Kalaupapa	17	16	16	15	13
New cases	25	16	15	7	15
Deaths	-	1	-	1	2

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 2.34-- ESTIMATED USE OF SELECTED SUBSTANCES, FOR HAWAII AND THE UNITED STATES: 2016-2017

[Data in this table are annual averages based on the 2016-2017 National Survey on Drug Use and Health. Current users are those persons 12 years old and over. The figures in this table are based on national design-based estimates and are subject to sampling variability]

Substance and time period	Hawaii		United States	
	Number (1,000)	Percent 1/	Number (1,000)	Percent 1/
Use in the past month				
Marijuana	95	8.2	24,988	9.2
Any illicit drug use other than marijuana 2/	31	2.7	9,139	3.4
Binge alcohol 3/	237	20.4	65,982	24.4
Tobacco product 4/	198	17.1	62,250	23.0
Cigarette	158	13.6	50,013	18.5
Use in the past year				
Marijuana	152	13.1	39,252	14.5
Cocaine	22	1.9	5,507	2.0
Methamphetamine	9	0.8	1,512	0.6
Pain reliever misuse 5/	39	3.3	11,297	4.2

1/ Percent of the population 12 years old and over.

2/ Illicit drug use other than marijuana includes the misuse of prescription psychotherapeutics or the use of cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. See Footnote 5 for definition of misuse of prescription psychotherapeutics.

3/ Binge alcohol use is defined as drinking five or more drinks (for males) or four or more drinks (for females) 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.

4/ Tobacco products include cigarettes, smokeless tobacco (i.e., snuff, dip, chewing tobacco, or "snus"), cigars, or pipe tobacco.

5/ Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.

Source: U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services Administration, Center for Behavioral Health Statistics and Quality, "National Survey on Drug Use and Health, 2016-2017" <<https://www.samhsa.gov/data/nsduh/state-reports-NSDUH-2017>> accessed July 5, 2019.

Table 2.35-- PREVALENCE OF VARIOUS SUBSTANCES WITH STUDENTS IN HAWAII, 2013 TO 2017, AND THE UNITED STATES, 2017

[In percentages. The survey is administered in odd-numbered years to Hawaii public school students in middle school (grade 6-8) and high school (grade 9-12). Does not include charter or special public schools. Based on a sample and subject to sampling variability]

Substance and education stage	Hawaii			U.S.
	2013	2015	2017	2017
Middle school				
Marijuana use 1/	7.5	7.9	7.6	(NA)
Ever used any form of cocaine	2.5	3.2	3.3	(NA)
Ever used inhalants 2/	7.7	6.5	(NA)	(NA)
Ever used heroin	(NA)	(NA)	(NA)	(NA)
Ever used methamphetamines	2.5	2.7	2.1	(NA)
Ever used hallucinogenic drugs 3/	(NA)	(NA)	(NA)	(NA)
Ever used ecstasy	1.9	1.7	1.5	(NA)
Ever took prescription drugs without a doctor's prescription	4.0	4.6	6.8	(NA)
Current drinker 4/	9.5	10.4	11.6	(NA)
Binge drinking 5/	4.4	5.3	5.4	(NA)
Current smoker 6/	5.2	5.0	5.0	(NA)
Electronic vapor product use 7/	(NA)	15.7	15.7	(NA)
High school				
Marijuana use 1/	18.9	19.4	18.1	19.8
Ever used any form of cocaine	6.5	5.7	7.1	4.8
Ever used inhalants 2/	9.2	8.0	(NA)	6.2
Ever used heroin	3.4	3.3	4.5	1.7
Ever used methamphetamines	4.3	3.8	4.8	2.5
Ever used hallucinogenic drugs 3/	6.0	8.1	7.6	6.6
Ever used ecstasy	8.0	8.0	6.0	4.0
Ever took prescription drugs without a doctor's prescription	12.9	12.3	12.2	(NA)
Current drinker 4/	25.2	25.1	24.5	29.8
Binge drinking 5/	12.7	13.4	(NA)	13.5
Current smoker 6/	10.4	9.7	8.1	8.8
Electronic vapor product use 7/	(NA)	25.1	25.5	13.2

Continued on next page.

**Table 2.35-- PREVALENCE OF VARIOUS SUBSTANCES WITH STUDENTS
IN HAWAII, 2013 TO 2017, AND THE UNITED STATES, 2017 -- Con.**

NA Not available.

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

2/ Used inhalants such as glue, aerosol spray can, or some paints or spray to get high.

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

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

5/ For middle school and high school students, 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. For the U.S. data for high school students in 2017, four or more drinks of alcohol in a row (if they were female) or five or more drinks of alcohol in a row (if they were male), within a couple of hours, on at least 1 day during the 30 days before the survey.

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

7/ Electronic vapor products (e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens such as blu, NJOY, or Starbuzz) used at least 1 day during the 30 days before the survey.

Source: Hawaii State Department of Education and Hawaii State Department of Health, Hawaii Youth Risk Behavior Survey, State of Hawaii, "Hawaii School Health Survey: Youth Risk Behavior Survey Module for 2013, 2015 and 2017" <<http://hhdw.org/>> accessed June 8, 2018 and Centers for Disease Control and Prevention, "Youth Risk Behavior Surveillance System," <<https://nccd.cdc.gov/Youthonline/App/Default.aspx>> accessed July 3, 2018.

**Table 2.36-- SELECTED HEALTH CARE PROVIDERS LICENSED IN HAWAII, BY PLACE OF ADDRESS:
APRIL 11, 2019**

[Permanent licenses only. Does not include interns, residents, or providers who provide state government services only. Excludes inactive licenses]

Type of provider	Total	State of Hawaii							Mainland U.S.	Foreign
		Total	Oahu	Hawaii	Maui	Kauai	Molokai	Lanai		
Physicians and surgeons 1/	2/ 10,263	5,045	3,875	518	446	194	10	2	5,169	48
Certified physician assistants	386	271	185	34	42	10	-	-	115	-
Advanced practice registered nurses	1,670	1,190	899	146	81	54	8	2	473	7
Registered nurses	28,426	16,796	12,370	2,001	1,583	779	37	26	11,539	91
Pharmacists	2,629	1,445	1,086	162	122	72	3	-	1,180	4
Dentists	1,454	1,099	833	111	102	49	3	1	344	11
Optometrists	433	297	230	30	24	13	-	-	135	1
Physical therapists	1,484	1,025	715	125	120	62	3	-	451	8
Psychologists	1,103	793	618	89	56	30	-	-	306	4
Mental health counselors	476	400	280	69	34	14	3	-	76	-

1/ Includes physicians, osteopathic physicians and surgeons, and podiatrists.

2/ Includes one provider whose place of address was listed as "Other."

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Licensing Branch, "Geographic Report (Current Licenses) as of April 11, 2019" <<https://cca.hawaii.gov/pvl/reports/>> accessed June 27, 2019; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism

Table 2.37-- HEALTH CARE & 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)]

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

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Table 2.37-- HEALTH CARE & 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 (number) 1/
	Establishments exempt from federal income tax					
62	Health care & social assistance	765	4,956,503	4,574,389	1,943,397	39,984
621	Ambulatory health care services 3/	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)	(5/)
6219	Other ambulatory health care services	6	(D)	(D)	(D)	(7/)
622	Hospitals	27	3,658,192	3,388,299	1,381,923	21,720
6221	General medical & surgical	20	3,181,904	2,973,638	1,187,630	18,519
6222	Psychiatric & substance abuse	2	(D)	(D)	(D)	(5/)
6223	Specialty (except psychiatric & substance abuse)	5	(D)	(D)	(D)	(6/)
623	Nursing & 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	Res. intellectual & dev. disabled, mental health & subst. abuse	42	(D)	(D)	(D)	(6/)
6233	Continue care retirement community & assisted living for elderly	8	68,513	63,895	31,758	1,094
6239	Other residential care facilities	9	(D)	(D)	(D)	(7/)
624	Social assistance	541	516,997	488,674	215,098	9,763
6241	Individual & family services	209	267,300	252,846	117,219	5,473
6242	Community food & housing, & emergency & other relief services	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 2.37-- HEALTH CARE & 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/ Paid employees for pay period including March 12.

2/ Not available or not comparable.

3/ 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.

4/ 2,500 to 4,999 employees.

5/ 500 to 999 employees.

6/ 1,000 to 2,499 employees.

7/ 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) <<https://factfinder.census.gov/>> accessed June 5, 2015.

**Table 2.38-- 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)]

Geographic area	Establishments (number)	Receipts/ Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
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 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), BY COUNTY AND PLACE: 2012 -- Con.**

Geographic area	Establishments (number)	Receipts/ Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
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
Mailli	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
Waikale	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 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), BY COUNTY AND PLACE: 2012 -- Con.**

Geographic area	Establishments (number)	Receipts/ Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
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 2.39-- MARRIAGES: 2004 TO 2015

[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
2015	22,834	8,870	6.2	61.2	54.8

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 2016.

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, 2016" (NST-EST2016-01) (December 2016) <<https://www2.census.gov/programs-surveys/popest/tables/2010-2016/state/totals/nst-est2016-01.xlsx>> accessed December 20, 2016 and earlier population estimates; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

Table 2.40-- CHARACTERISTICS OF MARRIAGES: 2012 TO 2015

[Place of occurrence basis]

Subject	2012	2013	2014	2015
Number	24,207	22,902	25,175	22,834
Percent on Oahu	49.9	49.9	49.5	50.8
Percent Hawaii residents				
Both partners	33.0	34.3	33.5	35.1
One partner only	3.6	3.7	3.7	3.8
Neither partner	63.4	62.0	62.8	61.2
Median age (years)				
Males	34.0	34.0	35.0	35.0
Females	31.0	32.0	33.0	32.0
Percent previously married				
Males	36.9	36.5	33.7	34.6
Females	35.1	35.0	33.5	33.9

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

Table 2.41-- MARRIAGES, RESIDENT AND NONRESIDENT, BY RACE MIXTURE AND TYPE OF CEREMONY: 2015

[Place of occurrence basis]

Race mixture and type of ceremony	Total	At least one partner Hawaii resident	Both partners nonresidents
All marriages	22,834	8,870	13,964
Race of partners			
Both partners same race 1/	12,205	3,478	8,727
Different race 2/	6,319	4,217	2,102
Percent different race 3/	34.1	54.8	19.4
Not reported 4/	4,310	1,175	3,135
Type of ceremony			
Civil ceremony	2,808	2,389	419
Religious ceremony	20,026	6,481	13,545

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 2.42-- MARITAL DISSOLUTION: 2000 TO 2015

[Place of residence basis]

Subject	2000	2010	2015	Percent of married couples		
				2000	2010	2015
Married couples	216,077	1/ 224,402	1/ 232,451	100.0	100.0	100.0
Marriages ended 2/	8,365	(NA)	(NA)	3.9	(NA)	(NA)
By divorce 2/	4,707	(3/)	(3/)	2.2	(NA)	(NA)
By death	3,658	3,757	4,053	1.7	1.7	1.7
Husbands	2,574	2,672	2,805	1.2	1.2	1.2
Wives	1,084	1,085	1,248	0.5	0.5	0.5

NA Not available.

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 2015, the lower bound of the 90 percent confidence interval is 227,363 while the upper bound is 237,539.

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, 2015 American Community Survey 1-Year Estimates" (September 2016) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed September 15, 2016.

Table
Number **Table Name**

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

Narrative

03.01	School Enrollment, by Type of School and Age by Sex: 2017
03.02	Educational Attainment, by Age and Sex: 2017
03.03	Educational Attainment of Persons 25 Years Old and Over: 1940 to 2017
03.04	Educational Attainment of Persons 25 Years Old and Over, by County: 2017
03.05	Educational Attainment of Persons 25 Years Old and Over, for Hawaii and the United States: 2017
03.06	Private Educational Services (NAICS 61), by Type of Service: 2012
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03.08	Top 20 Largest Private Schools by Campus, Enrollment and Tuition: 2017-2018
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03.10	Appropriated Funds and Expenditures by Category and Fund Type: 2016 to 2018
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03.13	Public School Enrollment by Grade, by County: 2018-2019
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03.15	Hawaii State High School Graduates from Public and Private High School: 1990 to 2018
03.16	Private Schools, Teachers, and Enrollment, 1993-1994 to 2017-2018 and Private High School Graduates, 1991-1992 to 2016-2017
03.17	Selected Characteristics of Public School Teachers: 2001-2002 to 2017-2018
03.18	Selected Characteristics of Public School Students: 2001-2002 to 2017-2018
03.19	Ethnicity of Public School Students: 2016-2017
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03.21	SAT Score Average for Hawaii and the United States: 2006 to 2018
03.22	Hawaii Smarter Balanced Assessment Results for English Language Arts and Mathematics: 2017-2018
03.23	Headcount Enrollment at the University of Hawaii, by Campus: Fall 2010 to 2018
03.24	Degrees, Diplomas, and Certificates Awarded by the University of Hawaii: 2010 to 2018
03.25	University of Hawaii Curricula, Tuition, Finances, and Faculty and Staff: 2015 to 2018

Table
Number **Table Name**

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

<u>03.26</u>	Enrollment and Earned Degrees Conferred, for Private Colleges and Universities: 2010 to 2018
<u>03.27</u>	Residence and Migration of Freshmen Students in Institutions of Higher Education and Freshmen Students Graduating from High School in the Past 12 Months: Fall 2014 and Fall 2016
<u>03.28</u>	Characteristics of the Hawaii State Library System: 2014 to 2018
<u>03.29</u>	Characteristics of the Hawaii State Library System, by County: 2018
<u>03.30</u>	University of Hawaii Library System Holdings and Circulation, by Campus: 2017 and 2018

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.

**Table 3.01-- SCHOOL ENROLLMENT, BY TYPE OF SCHOOL AND AGE
BY SEX: 2017**

[Based on a sample and subject to sampling variability]

Subject	Total	Male	Female
TYPE OF SCHOOL			
Persons 3 years and over enrolled	324,608	164,674	159,934
Enrolled in nursery school, preschool	23,360	12,279	11,081
Public school	10,315	5,503	4,812
Enrolled in kindergarten	17,003	9,044	7,959
Public school	14,026	7,673	6,353
Enrolled in grade 1 to grade 4	62,754	31,833	30,921
Public school	54,653	27,701	26,952
Enrolled in grade 5 to grade 8	67,349	34,477	32,872
Public school	54,470	27,978	26,492
Enrolled in grade 9 to grade 12	61,609	31,722	29,887
Public school	49,202	25,371	23,831
Enrolled in college undergraduate years	75,435	37,182	38,253
Public school	59,046	28,948	30,098
Enrolled in graduate or professional school	17,098	8,137	8,961
Public school	11,148	5,564	5,584
AGE			
Persons 3 years and over enrolled	324,608	164,674	159,934
3 and 4 years	17,037	8,700	8,337
Public school	7,093	3,730	3,363
5 to 9 years	80,762	40,722	40,040
Public school	67,554	34,111	33,443
10 to 14 years	82,061	42,784	39,277
Public school	66,379	34,796	31,583
15 to 17 years	44,237	22,815	21,422
Public school	34,789	17,661	17,128
18 and 19 years	18,076	9,068	9,008
Public school	14,633	7,161	7,472
20 to 24 years	31,774	15,672	16,102
Public school	24,924	12,019	12,905
25 to 34 years	28,710	13,733	14,977
Public school	22,585	11,484	11,101
35 years and over	21,951	11,180	10,771
Public school	14,903	7,776	7,127

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates, Tables B14002 and B14003 <<https://factfinder.census.gov>> accessed January 25, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 3.02-- EDUCATIONAL ATTAINMENT, BY AGE AND SEX: 2017

[Based on a sample and subject to sampling variability]

Age and educational attainment	Total	Male	Female
Persons 18 to 24 years	123,797	68,746	55,051
Less than 9th grade	1,190	1,055	135
9th to 12th grade, no diploma	6,829	4,258	2,571
High school graduate (includes equivalency)	50,218	30,181	20,037
Some college, no degree	47,512	25,429	22,083
Associate's degree	7,632	3,128	4,504
Bachelor's degree	9,584	4,478	5,106
Graduate or professional degree	832	217	615
Persons 25 to 34 years	206,064	106,764	99,300
Less than 9th grade	2,813	1,080	1,733
9th to 12th grade, no diploma	6,087	3,067	3,020
High school graduate (includes equivalency)	59,887	34,389	25,498
Some college, no degree	48,287	27,275	21,012
Associate's degree	25,659	13,266	12,393
Bachelor's degree	48,414	21,077	27,337
Graduate or professional degree	14,917	6,610	8,307
Persons 35 to 44 years	181,837	92,993	88,844
Less than 9th grade	2,022	1,002	1,020
9th to 12th grade, no diploma	6,327	3,574	2,753
High school graduate (includes equivalency)	46,665	25,438	21,227
Some college, no degree	36,887	20,277	16,610
Associate's degree	22,423	11,409	11,014
Bachelor's degree	43,118	20,704	22,414
Graduate or professional degree	24,395	10,589	13,806
Persons 45 to 64 years	356,093	176,167	179,926
Less than 9th grade	11,427	4,794	6,633
9th to 12th grade, no diploma	16,277	9,637	6,640
High school graduate (includes equivalency)	100,547	51,942	48,605
Some college, no degree	72,824	37,021	35,803
Associate's degree	37,867	17,508	20,359
Bachelor's degree	75,811	35,082	40,729
Graduate or professional degree	41,340	20,183	21,157

Continued on next page.

Table 3.02-- EDUCATIONAL ATTAINMENT, BY AGE AND SEX: 2017 -- Con.

Age and educational attainment	Total	Male	Female
Persons 65 years and over	253,750	114,132	139,618
Less than 9th grade	18,233	5,995	12,238
9th to 12th grade, no diploma	13,945	5,236	8,709
High school graduate (includes equivalency)	73,395	30,174	43,221
Some college, no degree	46,454	22,529	23,925
Associate's degree	21,038	9,460	11,578
Bachelor's degree	49,650	23,662	25,988
Graduate or professional degree	31,035	17,076	13,959

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates, Table B15001
<<https://factfinder.census.gov>> accessed January 25, 2019; and calculations by the Hawaii State
Department of Business, Economic Development & Tourism.

Table 3.03-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER: 1940 TO 2017

Year	Percent high school graduate or higher 1/	Percent bachelor's degree or higher 1/
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
2015	90.9	31.4
2016	92.0	31.9
2017	92.3	32.9

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 American Community Survey 1-Year Estimates (annual), Table DP02 <<https://factfinder2.census.gov/>> accessed January 25, 2019.

**Table 3.04-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS
OLD AND OVER, BY COUNTY: 2017**

[Based on a sample and subject to sampling variability]

Subject	State	Hawaii	Honolulu	Kauai	Maui
Population 25 years and over	997,744	142,146	685,924	50,706	118,898
Percent					
High school graduate or higher 1/	92.3	93.2	92.3	90.3	91.8
With bachelor's degree or higher	32.9	30.7	34.7	28.8	27.0

1/ Includes equivalency.

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates, Table DP02

<<https://factfinder.census.gov>> accessed January 25, 2019.

Table 3.05-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER, FOR HAWAII AND THE UNITED STATES: 2017

[Based on a sample and subject to sampling variability]

Geographic area	Population 25 years and over	High school graduate or higher 1/	Bachelor's degree or higher
Hawaii	997,744	92.3	32.9
United States	221,250,083	88.0	32.0
Hawaii rank 2/	40	3/ 8	19

1/ Includes equivalency.

2/ Among the 50 states and District of Columbia.

3/ Tied with Maine.

Source: U.S. Census Bureau, 2017 American Community Survey, 1-Year Estimates, Tables B15002, R1501, and R1502 <<https://factfinder.census.gov>> accessed January 25, 2019.

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)]

NAICS code	Type of service	Establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12
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: Educational Services: Geographic Area Series: Summary Statistics: 2012" (EC1200A1) <<http://factfinder.census.gov>> accessed May 1, 2015.

Table 3.07-- PRIVATE EDUCATIONAL SERVICES (NAICS 611), BY TYPE OF SERVICE: 2016

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS)]

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	536	117	18,190	629,686
6111	Elementary & secondary schools	123	68	9,729	416,887
6112	Junior colleges	5	2	160	5,218
6113	Colleges, universities & professional schools	33	13	5,451	145,813
6114	Business schools, & computer & management training	27	1	108	6,501
6115	Technical & trade schools	46	2	265	10,227
6116	Other schools & instruction	265	27	2,173	35,447
6117	Educational support services	37	4	304	9,593

Source: U.S. Census Bureau, 2016 County Business Patterns, Table CB1600A13
 <<https://factfinder.census.gov>> accessed March 20, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.08-- TOP 20 LARGEST PRIVATE SCHOOLS BY CAMPUS,
ENROLLMENT AND TUITION: 2017-2018**

[Schools are K-12 Coed, unless otherwise noted. Enrollment and tuition are for school year. Sorted for highest enrollment]

School	Enrollment	Tuition	
		Average (dollars)	Median (dollars)
Punahou School	3,742	23,850	23,850
Kamehameha Schools - Kapalama	3,192	4,839	4,374
Iolani School	1,903	22,550	22,550
Mid-Pacific Institute 1/	1,569	23,185	23,185
Kamehameha Schools - Hawaii	1,156	4,839	4,374
Maryknoll School	1,144	17,100	17,100
Kamehameha Schools - Maui	1,068	4,839	4,374
Hawaii Baptist Academy	1,015	16,300	16,300
Sacred Hearts Academy 2/	897	12,278	10,912
Saint Louis School 3/	885	12,933	12,775
Le Jardin Academy 1/	815	20,875	20,875
Hanalani Schools 1/	724	11,851	11,495
Damien Memorial School 4/	650	12,168	13,625
Hawaii Preparatory Academy	626	22,258	22,150
Island Pacific Academy	534	15,020	14,925
St. Francis School 5/	491	9,934	8,540
Seabury Hall 4/	454	19,910	19,910
St. Andrew's Schools 7/	445	17,017	17,185
Holy Family Catholic Academy 6/	444	8,405	8,625
Island School 1/	402	14,350	14,700

1/ Preschool-12 Coed.

2/ Preschool-12 Girls.

3/ K-12 Boys.

4/ 6-12 Coed.

5/ Early Childhood-12 Coed.

6/ Preschool-8 Coed.

7/ Includes St. Andrew's Priory School for Girls, K-12; St. Andrew's Preparatory School for Boys, K-5; and Queen Emma Preschool, Coed.

Source: Hawaii Association of Independent Schools, *Private School Enrollment Report (2017-2018)* and *Private School Tuition Report (2017-2018)*

<<https://www.hais.us/RelId/622589/ISvars/default/Reports.htm>> accessed April 23, 2019.

**Table 3.09-- EXPENDITURES, TOTAL AND PER PUPIL, BY FUNCTION:
2014-2015 AND 2015-2016**

[For school year. In thousands of dollars unless otherwise indicated. Excludes expenditures for state education agencies]

Expenditure type	2014-2015		2015-2016	
	Total	Per pupil (\$)	Total	Per pupil (\$)
Total	2,521,003	13,741	2,733,092	14,938
Elementary/secondary expenditures, total	2,344,496	12,855	2,502,117	13,748
Instruction	1,377,713	7,554	1,468,044	8,066
Support services, total	835,930	4,583	901,508	4,953
Student support 1/	225,975	1,239	240,765	1,323
Instructional staff 2/	81,416	446	80,451	442
General administration	12,762	70	17,736	97
School administration	158,895	871	168,086	924
Operation and maintenance	231,340	1,268	268,754	1,477
Student transportation	67,779	372	67,598	371
Other support services	57,763	317	58,118	319
Food services	130,853	717	132,566	728
Enterprise operations 3/	-	-	-	-
Current expenditures for other programs 4/	14,707	(NA)	14,326	(NA)
Capital outlay 5/	161,800	886	216,649	1,190
Interest on school debt	-	-	-	-

NA Not available.

1/ Includes expenditures for guidance, health, attendance, and speech pathology services.

2/ Includes expenditures for curriculum development, staff training, libraries, and media and computer centers.

3/ Includes expenditures for operations funded by sales of products or services (e.g., school bookstore or computer time). Also includes small amounts for direct program support made by state education.

4/ Includes expenditures for adult education, community colleges, private school programs funded by local and state education agencies, and community services.

5/ Includes expenditures for property and for buildings and alterations completed by school district staff or contractors.

Source: U.S. Department of Education, National Center for Education Statistics, Institute of Education Sciences, *Digest of Education Statistics* (annual), Tables 236.30 and 236.75

<https://nces.ed.gov/programs/digest/current_tables.asp> accessed March 15, 2019.

Table 3.10-- APPROPRIATED FUNDS AND EXPENDITURES BY AND FUND TYPE: 2016 TO 2018

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

Item	Total	General	Federal	Special	Trust
2016					
State budget appropriation	2,868	2,493	260	97	18
Total expenditures	1/ 2,716	1/ 2,445	217	47	7
Personnel services	1,871	1,733	109	27	2
Other	845	712	108	20	5
Funds carried over	48	48	-	-	-
Lapsed ceiling	104	-	43	50	11
2017					
State budget appropriation	2,954	2,585	267	84	18
Total expenditures	2,825	2,514	260	44	7
Personnel services	1,931	1,792	136		3
Other	894	722	124	44	4
Funds carried over	70	70	-	-	-
Lapsed ceiling	59	1	7	40	11
2018					
State budget appropriation	3,141	2,766	275	84	16
Total expenditures	3,002	2,717	222	52	11
Personnel services	2,083	1,961	120	-	2
Other	919	756	102	52	9
Funds carried over	48	48	-	-	-
Lapsed ceiling	91	1	53	32	5

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Education, Office of Fiscal Services, records.

Table 3.11-- BUDGETED FUNDS, EXPENDITURES, PUPIL COST, ENROLLMENT AND NUMBER OF SCHOOLS: 2016 AND 2017

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

Item	2016	2017	Percent change, 2016 to 2017
Appropriated funds total	2,868	2,953	3.0
General funds	2,493	2,584	3.7
Federal funds	260	267	2.7
Special funds	97	84	-13.4
Trust funds	18	18	0.0
Expenditures total	2,717	2,822	3.9
General funds	2,446	2,511	2.7
Federal funds	217	260	19.8
Special funds	47	44	-6.4
Trust funds	7	7	0.0
Per pupil cost (dollars) 1/	(NA)	(NA)	(NA)
Enrollment total (number) 1/	180,409	179,902	-0.3
Regular/special schools (number)	169,987	169,268	-0.4
Charter schools (number)	10,422	10,634	2.0
Schools (number)	290	290	0.0
Regular/special schools	256	256	0.0
Charter schools	34	34	0.0

NA Not available.

1/ Based on official enrollment.

Source: Hawaii State Department of Education, Office of Superintendent, *Hawaii Department of Education Data Book* (annual) <<http://arch.k12.hi.us/state/databook/databook.html>> accessed July 18, 2018; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 3.12-- GENERAL FUND BUDGET AND EXPENDITURES: 2016 TO 2018

[In dollars. Fiscal year ending June 30. Includes public charter schools]

Programs	2016	2017	2018
General fund budget	2,492,780,564	2,584,292,527	2,765,174,363
Total expenditures	2,151,534,527	2,214,172,070	2,411,829,844
Instruction and related services	1,757,564,142	1,800,391,057	1,964,009,738
Instructional support	46,566,250	52,224,789	53,851,040
School support services	290,468,527	300,647,069	323,430,414
Support services	56,935,608	60,909,155	70,538,652
Exclusions 1/	293,678,250	300,232,669	304,913,009
Adult education	2,729,033	4,696,986	6,121,813
Capitalized equipment expenditures	16,680,984	13,592,231	17,375,964
Debt service	274,268,233	281,943,362	281,415,232
Total expenditures & exclusions	2,445,212,777	2,514,404,739	2,716,742,853
Ending budget balance	47,567,787	69,887,788	48,431,510

1/ 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, records.

**Table 3.13-- PUBLIC SCHOOL ENROLLMENT BY GRADE, BY COUNTY:
2018-2019**

[For school year]

Grade	State total	Hawaii	Maui	Honolulu	Kauai	Charter schools
All grades	181,278	23,563	21,185	115,600	9,365	11,565
Nursery	1,580	203	184	1,102	72	19
Kindergarten	13,485	1,608	1,595	8,679	632	971
1	13,641	1,767	1,635	8,650	656	933
2	13,572	1,731	1,618	8,569	716	938
3	13,745	1,744	1,588	8,832	624	957
4	10,666	1,396	1,322	6,533	610	805
5	13,835	1,833	1,610	8,692	699	1,001
6	13,196	1,577	1,472	8,375	684	1,088
7	12,789	1,498	1,456	8,195	633	1,007
8	11,911	1,507	1,381	7,480	629	914
9	13,024	1,746	1,614	8,345	667	652
10	11,681	1,629	1,357	7,462	678	555
11	11,008	1,471	1,288	7,154	632	463
12	9,554	1,265	1,066	6,290	596	337
Special Ed.	17,591	2,588	1,999	11,242	837	925

Source: Hawaii State Department of Education, Official Enrollment Count SY 18-19
<<http://www.hawaiipublicschools.org/VisionForSuccess/SchoolDataAndReports/SchoolReports/Pages/home.aspx>> accessed April 23, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.14-- FEDERALLY-CONNECTED STUDENTS IN PUBLIC SCHOOLS:
FALL, 1996 TO 2018**

Year	All federally- connected students	Percent of total enrollment	Students whose parents live and work on federal property	Students whose parents live on or work on federal property
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	26,537	14.5	10,107	16,430
2016	25,626	14.0	10,116	15,510
2017 1/	24,273	13.3	9,547	14,726
2018 2/	22,601	12.4	8,169	14,432

1/ Final data. Revised from previous *Data Book*.

2/ Preliminary data as of May 2019.

Source: Hawaii State Department of Education, records.

Table 3.15-- HAWAII STATE HIGH SCHOOL GRADUATES FROM PUBLIC AND PRIVATE HIGH SCHOOLS: 1990 TO 2018

[Excludes home schoolers and students who earned high school diplomas through the General Development (GED) examination]

Year	Total graduates	Public school graduates	Private school graduates
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
2016	13,732	10,907	2,825
2017	13,581	10,670	2,911
2018	14,145	11,168	2,977

Source: University of Hawaii, Institutional Research and Analysis Office, *High School Background of First-Time Students* (annual) <<https://www.hawaii.edu/institutionalresearch/home.action>> accessed April 23, 2019, and records.

Table 3.16-- PRIVATE SCHOOLS, TEACHERS, AND ENROLLMENT, 1993-1994 TO 2017-2018 AND PRIVATE HIGH SCHOOL GRADUATES, 1991-1992 TO 2016-2017

[Based on a survey and subject to sampling variability. Data limited to schools that offer first grade or above]

School year	Number of schools	Enrollment	FTE teachers 1/	High school graduates	
				School year	Number
1993-1994	121	30,537	2,144	1991-1992	1,886
1995-1996	127	34,541	2,532	1994-1995	2,603
1997-1998	126	33,300	2,658	1996-1997	2,618
1999-2000	130	32,193	2,475	1998-1999	2,533
2001-2002	137	40,199	3,269	2000-2001	3,388
2003-2004	133	37,228	3,070	2002-2003	2,780
2005-2006	115	29,721	2,506	2004-2005	1,674
2007-2008	136	33,441	2,880	2006-2007	2,385
2009-2010	135	33,536	3,044	2008-2009	2,659
2011-2012	134	33,994	3,013	2010-2011	2,760
2013-2014	127	30,827	2,850	2012-2013	2,614
2015-2016	142	41,703	3,726	2014-2015	3,513
2017-2018	132	37,270	3,566	2016-2017	3,510

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

Source: National Center for Education Statistics, *Private School Universe Survey (PSS)*, Table 15
 <<https://nces.ed.gov/surveys/pss/>> accessed June 25, 2019.

Table 3.17-- SELECTED CHARACTERISTICS OF PUBLIC SCHOOL TEACHERS: 2001-2002 TO 2017-2018

[For school year. Includes all public schools, with the exception of public charter schools]

School year	FTE 1/	Head count	Licensed 2/ (percent)	Average years experience	5+ years at same school (percent)	Advanced degree 3/ (percent)
2001-2002	10,727	10,846	(NA)	12.7	69.0	22.3
2002-2003	10,727	10,857	87.0	12.5	56.0	23.5
2003-2004	10,884	11,010	84.9	12.0	53.0	25.6
2004-2005	10,972	11,103	84.6	11.6	52.0	26.9
2005-2006	10,960	11,075	86.0	11.5	52.0	28.1
2006-2007	11,052	11,154	86.3	11.4	52.0	29.0
2007-2008	10,963	11,151	87.5	11.4	53.0	30.0
2008-2009	10,885	11,094	90.3	11.6	55.0	31.0
2009-2010	10,888	10,967	93.4	12.1	58.0	32.3
2010-2011	10,809	10,871	95.5	13.1	61.0	33.9
2011-2012	10,863	10,927	96.5	12.2	62.0	34.8
2012-2013	10,826	10,886	96.8	13.2	62.0	35.3
2013-2014	10,922	10,984	96.7	13.2	60.0	36.1
2014-2015	10,810	10,864	96.5	13.4	60.0	36.8
2015-2016	10,882	10,942	95.9	12.4	59.0	36.6
2016-2017	10,902	10,955	95.9	12.5	58.0	36.9
2017-2018	11,014	11,060	95.4	13.3	58.0	37.4

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*,
<<http://arch.k12.hi.us/school/trends/trends.html#>> accessed March 14, 2019.

**Table 3.18-- SELECTED CHARACTERISTICS OF PUBLIC SCHOOL:
STUDENTS: 2001-2002 TO 2017-2018**

[For school year. In percent unless otherwise noted. Includes all public schools, schools with the exception of public charter]

School year	Average daily attendance		Students without suspensions 1/	9th grade retention rate 2/	Dropout rate 3/ 4/	Graduate on-time 4/ 5/
	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	96.1	9.4	14.1	82.5
2014-2015	94.8	93.3	95.8	9.1	14.0	82.4
2015-2016	94.8	93.5	96.2	8.6	13.7	82.7
2016-2017	94.7	93.1	96.3	8.4	14.4	82.5
2017-2018	94.6	93.0	96.0	9.1	13.7	83.4

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.

Source: Hawaii State Department of Education, *Trend Report: Educational and Fiscal Accountability*, <<http://arch.k12.hi.us/school/trends/trends.html#>> accessed March 14, 2019.

Table 3.19-- ETHNICITY OF PUBLIC SCHOOL STUDENTS: 2016-2017

Ethnicity 1/	Students	Percent
Total	179,902	100.0
Native Hawaiian	45,506	25.3
Filipino	40,183	22.3
White 2/	32,587	18.1
Japanese	16,417	9.1
Other Micronesian	7,991	4.4
Samoan	6,029	3.4
Chinese	5,588	3.1
Hispanic	5,557	3.1
Black or African American	5,250	2.9
Portuguese	2,984	1.7
Indo-Chinese	2,160	1.2
Korean	2,042	1.1
Multiple, two or more ethnicities	1,964	1.1
Tongan	1,429	0.8
Other Pacific Islander 3/	1,357	0.8
Other Asian 4/	1,220	0.7
Native American	1,088	0.6
Guamanian or Chamorro	550	0.3

1/ Ethnicities are self-reported on enrollment forms.

2/ Includes "White two or more," which is defined as having two or more white ethnicities.

3/ Includes "Pacific Islander two or more," which is defined as having two or more Pacific Islander ethnicities.

4/ Includes "Asian two or more," which is defined as having two or more Asian ethnicities.

Source: Hawaii State Department of Education, Office of the Superintendent, *2017 Hawaii Department of Education Data Book* (May 2018), Appendix C, Table 7

<<http://arch.k12.hi.us/state/databook/databook2017.html>> accessed May 16, 2018; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 3.20-- ETHNICITY OF PUBLIC SCHOOL TEACHERS: SCHOOL YEAR 2016-2017

Ethnicity	Teachers	Percent
Total	11,322	100.0
Other 1/	2,885	25.5
White	2,771	24.5
Japanese	2,757	24.4
Hawaiian/Part-Hawaiian	1,143	10.1
Filipino	775	6.8
Chinese	386	3.4
Hispanic	286	2.5
Korean	134	1.2
African-American	113	1.0
Samoan	56	0.5
Native American	16	0.1

1/ Includes teachers reporting multiple ethnicities.

Source: Hawaii State Department of Education, Office of the Superintendent, *2017 Hawaii Department of Education Data Book* (May 2018), Appendix C, Table 7
 <<http://arch.k12.hi.us/state/databook/databook2017.html>> accessed May 16, 2018; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 3.21-- SAT SCORE AVERAGES FOR HAWAII AND THE UNITED STATES: 2006 TO 2018

[The College Board made content, format, and scoring changes to the SAT in March 2016. Scores between the 'Old' SAT and 'New' SAT are not comparable]

Year and test type	Hawaii average			U.S. average			Year and test type	Hawaii average		U.S. average	
	Math	Reading	Writing	Math	Reading	Writing		Math	Evidence-based Reading and Writing (ERW)	Math	Evidence-based Reading and Writing (ERW)
Old SAT 1/							New SAT 3/				
2006	509	482	472	518	503	497	2017	541	544	527	533
2007	506	484	473	514	501	493	2018	549	550	531	536
2008	502	481	470	514	500	493					
2009	502	479	469	514	499	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					
2016 2/	511	491	476	508	494	482					

1/ The 'Old' SAT was administered from 2005 to January 2016. It included three sections and an essay which was scored as a part of the Writing section. Each section had a score range of 200-800. Each year, scores are reported for the seniors who took the SAT at any time during their high school years through January 2016. If a student took the SAT more than once, the most recent score was used.

2/ Includes test-takers through January 2016 only.

3/ The 'New' SAT was first administered in March 2016. It includes two sections, each with a score range of 200-800. There is an optional essay which is scored and reported separately. Each year, scores are reported for that year's high school graduates who took the new SAT during high school. If a student took the SAT more than once, the most recent score is used.

Source: College Board, "College-Bound Seniors Report" (annual through 2016) and "SAT Suite of Assessments Annual Report" (annual) <<https://research.collegeboard.org/programs/sat/data>> accessed April 24, 2019.

**Table 3.22-- HAWAII SMARTER BALANCED ASSESSMENT RESULTS FOR
ENGLISH LANGUAGE ARTS AND MATHEMATICS: 2017-2018**

[For school year]

Grade	English Language Arts			Mathematics		
	Number tested	Number proficient	Met/ exceeded achievement standard (%)	Number tested	Number proficient	Met/ exceeded achievement standard (%)
Total	87,688	47,397	54.1	88,135	37,162	42.2
Grade 3	10,903	5,739	52.6	10,984	6,001	54.6
Grade 4	14,189	7,186	50.6	14,257	6,769	47.5
Grade 5	14,186	7,975	56.2	14,237	6,151	43.2
Grade 6	13,331	7,027	52.7	13,377	5,570	41.6
Grade 7	12,830	6,715	52.3	12,911	4,804	37.2
Grade 8	12,288	6,723	54.7	12,361	4,639	37.5
Grade 11	9,961	6,032	60.6	10,008	3,228	32.3

Source: Hawaii State Department of Education, Smarter Balanced Assessment Results
<<http://www.hawaiipublicschools.org/TeachingAndLearning/Testing/StateAssessment/Pages/home.aspx>>
accessed April 24, 2019; and calculations by the Hawaii State Department of Business, Economic
Development & Tourism.

**Table 3.23-- HEADCOUNT ENROLLMENT AT THE UNIVERSITY OF HAWAII,
BY CAMPUS: FALL 2010 TO 2018**

[Fall headcount of credit students. Includes special students, classified as early admits, concurrent registrants and auditors]

Year	Total, all campuses	University of Hawaii at Manoa					Univ. of Hawaii at Hilo	Univ. of Hawaii- West Oahu
		Total	Classified		Unclassi- fied	Others 1/		
			Under- graduates	Gradu- ates				
2010	60,090	20,337	13,599	5,726	971	41	4,079	1,471
2011	60,330	20,429	14,054	5,475	842	58	4,139	1,662
2012	60,295	20,426	14,279	5,243	822	82	4,157	1,997
2013	58,941	20,006	14,097	5,017	799	93	4,043	2,361
2014	57,052	19,507	13,667	4,893	836	111	3,924	2,661
2015	55,756	18,865	13,320	4,754	718	73	3,829	2,692
2016	53,418	18,056	12,767	4,514	686	89	3,666	2,939
2017	51,674	17,612	12,583	4,322	624	83	3,539	3,082
2018	51,063	17,710	12,609	4,330	667	104	3,406	3,128
	UH Community Colleges							
Year	Total	Honolulu	Kapiolani	Leeward	Windward	Hawaii	Kauai	Maui
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
2016	28,757	3,903	7,382	7,262	2,511	2,956	1,401	3,342
2017	27,441	3,563	7,095	6,805	2,511	2,819	1,346	3,302
2018	26,819	3,541	6,899	6,709	2,460	2,632	1,486	3,092

1/ Includes "Home-based at Other UH Campus" and "No Data."

Source: University of Hawaii, Institutional Research and Analysis Office, "Enrollment Table 0. Headcount Enrollment, Multi-year, University of Hawaii" and "Enrollment Table 6. Headcount Enrollment of Credit Students by Educational Level, UH Manoa"

<<https://www.hawaii.edu/institutionalresearch/cnrReport.action?reportId=ENRT00>> accessed April 24, 2019.

Table 3.24-- DEGREES, DIPLOMAS, AND CERTIFICATES AWARDED BY THE UNIVERSITY OF HAWAII: 2010 TO 2018

[Fiscal year ending June 30]

Year	Total	University of Hawaii at Manoa					University of Hawaii West Oahu	
		Bachelor's	Master's	Doctorate	Professional practice 1/	Other 2/	Bachelor's	
2010	8,291	2,834	1,169	184	167	60	242	
2011	8,988	2,957	1,232	212	199	75	255	
2012	9,628	3,026	1,223	196	210	112	301	
2013	10,001	3,202	1,049	229	192	65	349	
2014	11,278	3,378	1,121	194	190	66	352	
2015	11,104	3,404	975	239	244	61	439	
2016	11,680	3,600	1,077	204	174	3/ 49	474	
2017	11,408	3,298	978	190	197	3/ 49	623	
2018	11,215	3,273	958	204	229	62	613	

Year	University of Hawaii at Hilo					UH Community Colleges		
	Certificates 4/	Bachelor's	Master's 5/	Doctorate	Professional practice 6/	Certificates 3/ 7/	Associate's degree	Bachelor's
2010	46	508	47	-	-	419	2,606	9
2011	28	581	37	1	84	477	2,847	3
2012	42	721	64	1	87	584	3,054	7
2013	-	676	46	1	86	761	3,336	9
2014	-	665	58	-	83	718	4,440	13
2015	-	749	60	-	96	900	3,930	7
2016	-	750	49	2	92	1,079	4,113	17
2017	-	798	62	4	91	1,155	3,947	16
2018	-	785	77	2	78	1,089	3,823	22

1/ Includes Doctor of Jurisprudence (JD), Doctor of Medicine (MD), and Doctor of Architecture (DArch). Effective 2014, includes Doctor of Nursing Practice (DNP). Effective 2015, also includes Doctor of Education (EdD). Referred to as First Professional degree prior to 2012.

2/ Includes Post-Baccalaureate Certificates.

3/ Revised from previous *Data Book*.

4/ Includes Certificate in Teacher Education (PDN).

5/ Includes MS in Pharmacy effective 2013.

6/ Includes Doctor of Pharmacy (PharmD) effective 2011, and Doctor of Nursing Practice (DNP) effective 2015. Referred to as First Professional degree prior to 2012.

7/ Includes Advanced Professional Certificates (APC).

Source: University of Hawai'i, Institutional Research and Analysis Office, Degree Table 0 (annual) <<https://manoa.hawaii.edu/miro/degrees/>> accessed June 3, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.25-- UNIVERSITY OF HAWAII CURRICULA, TUITION, FINANCES,
AND FACULTY AND STAFF: 2015 TO 2018**

Subject		2015	2016	2017	2018
Curricula offered at Manoa Campus, fall semester		304	332	312	315
Bachelor's degree programs		99	112	100	101
Master's degree programs		85	88	87	87
Doctoral programs		53	60	54	54
Other programs 1/		67	72	71	73
Total tuition and fees per semester 2/					
Manoa Campus:	Resident	5,582	5,866	5,877	5,985
	Nonresident	15,758	16,882	16,893	17,001
Hilo:	Resident	3,666	3,825	3,824	3,824
	Nonresident	9,894	10,305	10,304	10,340
West Oahu:	Resident	3,575	3,720	3,720	3,720
	Nonresident	9,804	10,200	10,200	10,236
Community colleges:	Resident 3/	1,474	1,547	1,547	1,577
	Nonresident 3/ 4/	3,970	4,115	4,115	4,145
Finances, fiscal year ending June 30					
Current fund revenues (\$1,000) 5/		1,380,807	1,451,214	1,485,461	1,531,928
Current fund expenditures (\$1,000)		1,421,525	1,458,988	1,485,614	1,534,328
Faculty and staff, fall semester 6/		10,167	10,106	10,051	10,038
Board of Regents appointees		8,770	8,716	8,699	8,707
Full-time		5,919	5,915	5,921	5,906
Part-time		2,851	2,801	2,778	2,801
Civil service personnel		1,397	1,390	1,352	1,331
Full-time		1,322	1,321	1,290	1,273
Part-time		75	69	62	58

1/ Includes undergraduate and graduate certificate programs, first professional degree programs (JD, MD, DArch, DNP, EdD, DrPH), and post-baccalaureate in education and professional diploma in education.

2/ For a full-time undergraduate. Per-semester tuition data are reported for a regular session by academic years (e.g. 2015 = AY 2015-2016). Data for 2015 to 2017 revised to include fees in addition to tuition. Not comparable to earlier data in previous editions of the *Data Book*.

3/ Average tuition for UH 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/ Data for 2015 to 2018 revised to include fringe benefits paid by the state. Not comparable to earlier data in previous editions of the *Data Book*.

6/ Includes persons on leave without pay.

Source: University of Hawai'i, General Accounting Office, records; University of Hawai'i, Institutional Research and Analysis Office <<https://www.hawaii.edu/institutionalresearch/home.action>> accessed June 28, 2019; and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 3.26-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR
PRIVATE COLLEGES AND UNIVERSITIES: 2010 TO 2018**

[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
2010, total	13,892	11,874	2,018	298	1,884	620
Brigham Young	2,780	2,780	(X)	19	479	(X)
Chaminade	2,773	2,036	737	106	319	246
Hawaii Pacific	8,339	7,058	1,281	173	1,086	374
2011, total	13,673	11,581	2,092	272	1,729	647
Brigham Young	2,775	2,775	(X)	51	565	(X)
Chaminade	2,827	2,066	761	78	300	257
Hawaii Pacific	8,071	6,740	1,331	143	864	390
2012, total	13,168	11,090	2,078	306	1,840	667
Brigham Young	2,799	2,799	(X)	56	540	(X)
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	(X)	117	659	(X)
Chaminade	2,752	2,036	716	112	315	259
Hawaii Pacific	6,736	5,582	1,154	146	925	421
2014, total	11,105	9,412	1,693	344	2,117	689
Brigham Young	2,522	2,522	(X)	102	697	(X)
Chaminade	2,756	2,055	701	89	379	298
Hawaii Pacific	5,827	4,835	992	153	1,041	391
2015, total	10,053	8,615	1,438	337	1,976	612
Brigham Young	2,557	2,557	(X)	133	714	(X)
Chaminade	2,715	2,065	650	87	420	215
Hawaii Pacific	4,781	3,993	788	117	842	397
2016, total	9,156	7,914	1,242	343	1,724	570
Brigham Young	2,601	2,601	(X)	174	595	(X)
Chaminade	2,474	1,877	597	56	385	231
Hawaii Pacific	4,081	3,436	645	113	744	339

Continued on next page.

Table 3.26-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR PRIVATE COLLEGES AND UNIVERSITIES: 2010 TO 2018-- Con.

Year and institution 1/	Fall enrollment 2/			Earned degrees conferred 3/		
	Total	Undergrad.	Graduate	Associate's	Bachelor's	Master's
2017, total	9,390	8,225	1,165	401	1,708	502
Brigham Young	2,855	2,855	(X)	243	651	(X)
Chaminade	2,389	1,810	579	76	390	249
Hawaii Pacific	4,146	3,560	586	82	667	253
2018, total	9,354	8,308	1,046	340	1,595	476
Brigham Young	3,040	3,040	(X)	194	596	(X)
Chaminade	2,228	1,723	505	72	350	232
Hawaii Pacific	4,086	3,545	541	74	649	244

X Not applicable

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.

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 2014 AND FALL 2016

Category	All freshman students 2/	Freshmen students who received high school diplomas in past 12 months 1/	
		Total	In 4-year colleges
Fall 2014			
Students enrolled in state 3/	9,613	7,037	4,034
Student residents of any state 4/	11,129	8,551	5,551
Students remaining in state 5/	7,395	5,300	2,473
Migration of students			
Out of state	3,734	3,251	3,078
Into state	2,218	1,737	1,561
Net migration	-1,516	-1,514	-1,517
Fall 2016			
Students enrolled in state 3/	8,414	6,373	3,895
Student residents of any state 4/	10,355	8,238	5,683
Students remaining in state 5/	6,452	4,842	2,485
Migration of students			
Out of state	3,903	3,396	3,198
Into state	1,962	1,531	1,410
Net migration	-1,941	-1,865	-1,788

1/ Freshman students, graduating from high school in the past 12 months, who are enrolled at the reporting institution for the first time.

2/ Freshman students 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* (annual), Tables 309.10-309.30, <<https://nces.ed.gov/programs/digest/>> accessed May 25, 2018.

Table 3.28-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM: 2014 TO 2018

Subject	2014	2015	2016	2017	2018 1/
Library locations, June 30					
State	50	50	50	50	51
Oahu	24	24	24	24	25
Other islands	26	26	26	26	26
Personnel, June 30	548	548	550	559	566
Hours open 2/	92,285	92,616	95,597	93,968	98,835
Collections, June 30 (1,000)	3,724	3,670	3,452	3,397	3,400
Circulation, year ended June 30 (1,000)	6,520	6,446	6,343	5,965	5,888
eBooks/audio/music circulation, year ended June 30 3/	356,120	475,652	635,464	754,482	863,183
Customer visits (1,000)	4,875	4,941	4,490	4,135	3,456
Reference questions (1,000) 4/	674	664	552	537	480
Public computers	775	760	775	745	779
Sites with wireless service	50	50	50	50	51
Internet sessions	900,662	1,051,831	1,401,297	1,261,855	5/ 1,167,782
Library programs	3,956	4,305	5,130	5,241	6,108
Attendance	128,671	139,423	153,052	143,974	147,025
Group visits	5,564	5,195	5,034	5,390	5,145
Attendance	119,454	114,649	103,552	117,933	107,647

1/ Aina Haina Public Library was closed for 11 weeks for repairs after the April 2018 flooding. Pahala Public & School Library was closed for 3 weeks due to staffing shortages.

2/ The total annual service hours for all Hawaii State Public Library System libraries are included. For 2018, includes the new Nanakuli Library which opened on April 14, 2018.

3/ Starting in Q3 of FY2014, includes eMagazines.

4/ In 2016, the definition of a reference question was redefined in accordance with the federal Public Library Survey.

5/ Because of technical issues, wireless sessions from Kaimuki, Kapolei, and Nanakuli libraries were not included.

Source: Hawaii State Public Library System, Office of the State Librarian, records.

**Table 3.29-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM,
BY COUNTY: 2018**

[As of June 30]

County	Library locations	Personnel	Circulation	
State total	51	565.50	5,887,611	
Oahu	25	419.00	3,238,832	
Hawaii	12	66.50	867,111	
Kauai	6	33.00	349,978	
Maui 1/	8	47.00	568,507	
Statewide eBooks/eAudio	(X)	(X)	863,183	
County	Collections			
	Books	Periodical subscriptions	DVDs and video tapes	Sound recordings
State total	2,930,439	2,615	171,406	170,386
Oahu	1,890,807	1,212	87,169	64,935
Hawaii	450,181	453	38,609	24,481
Kauai	215,063	217	17,615	7,211
Maui 1/	332,750	720	27,846	16,359
State Library for the Blind and Physically Handicapped 2/	41,638	13	167	57,400

X Not applicable.

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: 2017 AND 2018

Campus	Number of volumes, June 30 1/		Circulation, year ended June 30		Number of electronic titles, June 30 2/ 3/		Number of electronic full-text items retrieved 2/	
	2017	2018	2017	2018	2017	2018	2017	2018
All campuses	3,938,383	3,872,173	251,947	225,043	472,106	505,605	3,449,235	2,310,470
UH Manoa, total	3,312,882	3,322,716	162,535	133,274	321,022	327,067	1,983,438	1,479,252
UH at Manoa	3,264,891	3,274,153	157,840	129,065	284,966	291,498	1,392,333	831,515
Law Library	40,824	41,328	4,483	3,905	33,320	32,934	430,171	471,260
Health Sciences Library 4/	7,167	7,235	212	304	2,736	2,635	160,934	176,467
UH-West Oahu	29,248	30,638	5,163	4,893	55,782	86,834	203,856	139,513
UH at Hilo 5/	227,389	177,570	26,249	33,189	29,735	25,788	735,292	130,379
UH Maui College 6/	55,320	43,726	7,216	8,526	50	41	125,449	99,805
Community colleges, total 5/	313,544	297,523	50,784	45,161	65,517	65,875	401,200	461,521
Honolulu	63,604	64,317	5,466	5,115	55,304	53,147	47,318	63,585
Kapiolani	78,780	62,709	15,278	12,622	467	756	135,227	114,984
Leeward	68,801	68,431	19,057	13,642	8,326	10,091	160,412	227,933
Windward	46,469	46,218	8,782	10,921	570	979	42,773	14,656
Kauai	53,522	53,504	1,705	2,461	850	902	15,470	23,191
Hawaii CC - Palamanui	2,368	2,344	496	400	(NA)	-	(NA)	17,172

NA Not available.

1/ Number of volumes in monographs only and excludes microforms.

2/ Electronic titles include books, journals, databases.

3/ Consortium titles, which are accessed by all campuses, are included with UH at Manoa. For 2017, the consortium total was 235,191. For 2018, the total was 235,002.

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.

Source: University of Hawaii at Manoa Library, records.

Table
Number **Table Name**

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Narrative

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Section 4

LAW ENFORCEMENT, COURTS, AND PRISONS

Statistics in this section refer to crimes, 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 4.01-- INDEX OFFENSES, BY COUNTY: 1996 TO 2017

[Index Offenses include murder, rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Excludes arson and human trafficking offenses]

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	33.5	31,781	5,799	2,803	6,414
2013	48,569	34.5	33,820	5,833	2,762	6,154
2014	48,651	34.4	32,936	7,182	2,224	6,309
2015	48,919	34.4	33,522	7,096	1,739	6,562
2016	45,805	32.1	32,558	5,395	1,661	6,191
2017	43,969	30.9	29,917	5,881	1,996	6,175

1/ Annual rate per 1,000 resident population based on July 1 estimates by the U.S. Census Bureau, as revised through December 2018. 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 January 30, 2019; 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) <<http://www.census.gov/popest/data/intercensal/statetables/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, 2018" (NST-EST2018-01) <<https://www2.census.gov/programs-surveys/popest/tables/2010-2018/state/totals/nst-est2018-01.xlsx>> accessed January 30, 2018; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

Table 4.02-- INDEX OFFENSES, BY TYPE OF OFFENSE: 2013 TO 2017

Offense	2013	2014	2015	2016	2017
Total Index Offenses 1/	48,569	48,651	48,919	45,805	43,969
Violent Crime Index 2/	3,438	3,420	3,530	3,452	3,577
Murder	29	27	29	35	39
Rape 3/	(NA)	544	538	601	567
Rape (legacy) 3/	341	306	357	317	366
Robbery	951	957	1,085	985	1,077
Aggravated assault	2,117	1,892	1,878	1,831	1,894
Property Crime Index	45,131	45,231	45,389	42,353	40,392
Burglary	7,727	7,458	6,810	5,983	5,549
Larceny-theft	32,741	32,451	33,140	30,871	29,574
Motor vehicle theft	4,663	5,322	5,439	5,499	5,269
Arson	333	249	417	485	507
Human trafficking -					
Commercial sex acts	(NA)	1	4	2	2
Human trafficking -					
Involuntary servitude	(NA)	-	-	-	-

NA Not available.

1/ Excludes arson and human trafficking offenses. From 2014 onward, it also excludes rape (legacy). Rape under the legacy definition, however, is included in the rape count under the revised definition.

2/ From 2014 onward, excludes rape (legacy). Rape under the legacy definition, however, is included in the rape count under the revised definition.

3/ On January 1, 2014, the State of Hawaii began the collecting rape data using a revised definition. The State of Hawaii will continue to also collect rape data under the legacy definition so that comparative trends can be established. See source for more information.

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 January 30, 2019.

Table 4.03-- OFFENSES AND OFFENSES CLEARED BY ARREST OR OTHERWISE, BY CLASS OF OFFENSE: 1998 TO 2017

Year	Offenses		Number cleared by arrest or otherwise 1/		Clearances per 100 offenses 1/	
	Index 2/	Part II 3/	Index 2/	Part II 3/	Index 2/	Part II 3/
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	4/ 104,925	(NA)	(NA)	16.3	(NA)
2014	48,651	101,152	(NA)	(NA)	16.2	(NA)
2015	48,919	102,087	(NA)	(NA)	15.3	(NA)
2016	45,805	99,115	(NA)	(NA)	13.5	(NA)
2017	43,969	106,394	(NA)	(NA)	11.6	(NA)

NA Not available.

1/ Annual data on clearances include prior years' offenses cleared in the current year.

2/ Index Offenses include murder, 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 and human trafficking offenses.

3/ Part II Offenses include all offenses, except traffic, that are not included in the Index Offenses. The list of these Part II Offenses includes 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, weapons offenses, and others. See source for comprehensive definition.

4/ 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 January 30, 2019.

**Table 4.04-- OFFENSES, BY CLASS OF OFFENSE AND COUNTY:
2013 TO 2017**

Class of offense and county	2013	2014	2015	2016	2017
Index Offenses, total 1/	48,569	48,651	48,919	45,805	43,969
Honolulu	33,820	32,936	33,522	32,558	29,917
Hawaii	5,833	7,182	7,096	5,395	5,881
Kauai	2,762	2,224	1,739	1,661	1,996
Maui	6,154	6,309	6,562	6,191	6,175
Part II Offenses, total 2/	104,925	101,152	102,087	99,115	106,394
Honolulu	57,035	57,405	58,911	56,678	61,591
Hawaii	14,216	13,639	14,623	13,435	14,202
Kauai	6,450	4,056	3,877	4,030	6,288
Maui	27,224	26,052	24,676	24,972	24,313

1/ Index Offenses include murder, rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Excludes arson in the Index Offenses total.

2/ Part II Offenses 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.

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 January 30, 2019.

Table 4.05-- INDEX OFFENSES AND INDEX OFFENSES CLEARED BY ARREST OR OTHERWISE, FOR THE STATE AND OAHU: 2017

Type of offense	Offenses known to police		Percent cleared by arrest or otherwise 1/	
	State	Oahu	State	Oahu
Total Index Offenses	43,969	29,917	11.6	8.2
Violent Crime Index 2/	3,577	2,440	36.9	27.5
Murder	39	32	69.2	75.0
Rape 3/	567	285	27.9	21.8
Rape (legacy) 3/	366	188	(NA)	(NA)
Robbery	1,077	908	25.3	19.7
Aggravated assault	1,894	1,215	45.6	33.4
Property Crime Index	40,392	27,477	9.3	6.5
Burglary	5,549	3,331	7.9	3.5
Larceny-theft	29,574	20,540	9.8	7.9
Motor vehicle theft	5,269	3,606	8.0	1.1
Arson	507	327	5.3	2.8
Human trafficking -				
Commercial sex acts	2	2	50.0	50.0
Human trafficking -				
Involuntary servitude	-	-	(X)	(X)

NA Not available.

X Not applicable.

1/ Includes clearances of offenses committed in prior years.

2/ Excludes arson and human trafficking offenses. From 2014 onward, it also excludes rape (legacy). Rape under the legacy definition, however, is already included in the rape count under the revised definition.

3/ On January 1, 2014, the State of Hawaii began the collection of rape data using a revised definition. The State of Hawaii will continue to also collect rape data under the legacy definition so that comparative trends can be established. See source for more information.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Uniform Crime Reports* (2017) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed January 30, 2019.

Table 4.06--REPORTED OFFENSES, BY HONOLULU POLICE DEPARTMENT DISTRICT: 2016 TO 2018

[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]

Offense	Central Hono-lulu	Wahia-wa	Pearl City	Kailua-Kaneohe-Kahuku	Kalihi	Waikiki	East Hono-lulu	Kapolei/Waianae
2016, total	6,529	2,425	5,014	3,402	4,083	3,068	4,389	4,467
Murder	7	1	-	2	5	2	2	6
Rape	71	47	40	41	69	34	40	81
Robbery	220	29	139	54	122	93	70	91
Aggravated assault	248	99	133	142	161	103	76	231
Burglary	459	359	598	412	460	155	704	624
Larceny	4,880	1,566	3,287	2,240	2,676	2,475	2,839	2,892
Auto theft	644	324	817	511	590	206	658	542
2017, total	6,869	2,690	4,992	3,112	4,320	3,342	3,836	5,199
Murder	5	4	2	2	6	5	-	3
Rape	77	63	39	54	53	42	52	81
Robbery	253	55	130	47	127	112	89	131
Aggravated assault	248	120	143	143	195	109	92	284
Burglary	477	317	547	379	499	146	750	615
Larceny	5,255	1,813	3,487	2,192	2,973	2,780	2,517	3,440
Auto theft	554	318	644	295	467	148	336	645
2018, total	6,808	2,472	4,525	3,104	4,917	3,510	4,120	4,723
Murder	8	3	4	2	2	1	-	4
Rape	55	50	69	45	41	47	47	83
Robbery	263	31	104	46	171	86	56	87
Aggravated assault	246	104	148	97	212	134	106	220
Burglary	428	344	518	458	497	171	782	578
Larceny	5,112	1,632	3,125	2,203	3,364	2,807	2,563	3,186
Auto theft	696	308	557	253	630	264	566	565

Source: City and County of Honolulu, Honolulu Police Department, *Annual Report* (annual)
<<http://www.honolulu.org/information/index.php>> accessed July 11, 2019.

**Table 4.07-- PERSONS ARRESTED FOR INDEX AND PART II OFFENSES,
BY AGE AND SEX, AND BY COUNTY: 2017**

Subject	State total	Honolulu	Hawaii	Maui	Kauai
Index Offenses 1/					
Total	5,012	2,622	972	1,042	376
Juveniles	735	457	82	117	79
Male	507	329	56	64	58
Female	228	128	26	53	21
Adults	4,277	2,165	890	925	297
Male	3,170	1,609	628	708	225
Female	1,107	556	262	217	72
Part II Offenses 2/					
Total	33,045	15,424	6,920	8,213	2,488
Juveniles	4,572	2,749	694	584	545
Male	2,763	1,681	374	368	340
Female	1,809	1,068	320	216	205
Adults	28,473	12,675	6,226	7,629	1,943
Male	21,838	10,072	4,529	5,783	1,454
Female	6,635	2,603	1,697	1,846	489

1/ Index Offenses include murder, rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Total Index Offense arrests include arrests for arson.

2/ Part II Offenses include all offenses, except traffic, that are not included in the Index Offenses. The list of these Part II Offenses includes 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, weapons offenses, and others. See source for comprehensive definition.

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 March 11, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 4.08-- CHILD ABUSE AND NEGLECT REPORTS: 1975 TO 2017

[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	1990	4,407	2,392	2005	5,207	2,645
1976	1,325	634	1991	4,365	2,318	2006	3,974	1,928
1977	1,794	841	1992	4,568	2,485	2007	4,690	2,082
1978	1,845	1,110	1993	4,753	2,411	2008	4,628	1,850
1979	2,290	1,109	1994	5,186	2,334	2009	5,939	2,174
1980	2,106	1,059	1995	4,984	2,317	2010	4,199	1,575
1981	2,360	1,137	1996	4,775	2,268	2011	3,751	1,424
1982	2,685	1,379	1997	5,235	2,531	2012	3,948	1,392
1983	3,635	1,621	1998	4,762	2,242	2013	3,752	1,329
1984	4,388	2,180	1999	5,962	2,935	2014	3,681	1,406
1985	4,359	2,391	2000	6,184	3,533	2015	3,747	1,568
1986	4,900	2,629	2001	7,210	3,930	2016	3,626	1,355
1987	4,741	2,555	2002	7,318	3,744	2017	3,702	1,297
1988	3,893	2,315	2003	7,835	3,868			
1989	4,054	2,386	2004	6,823	3,396			

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 June 29, 2018.

Table 4.09-- CHARACTERISTICS OF CHILD ABUSE AND NEGLECT VICTIMS: 2014 TO 2017

[Confirmed, unduplicated count of children. A child is only counted once, regardless of how many times he/she was reported]

Subject	2014	2015	2016	2017
Total	1,382	1,546	1,351	1,274
Type 1/				
Physical abuse	147	166	139	102
Neglect	209	224	205	149
Medical neglect	17	29	8	17
Sexual abuse	67	69	67	60
Psychological abuse	9	14	10	17
Threatened harm	1,145	1,296	1,190	1,149
County				
Hawaii	335	418	343	354
Honolulu	718	759	709	605
Kauai	105	108	98	76
Maui	224	261	201	239
Victim characteristics				
Age (percent)				
Less than one year to 4 years	44.1	42.9	44.0	44.3
5 to 11 years	33.4	33.2	35.5	33.0
12 to 17 years	22.4	23.5	20.5	22.4
Unknown	0.1	0.3	0.1	0.3
Females (percent)	52.6	51.6	50.4	50.9
Race (percent)				
Hawaiian or Part Hawaiian	42.6	45.4	44.6	42.2
Mixed	16.6	12.5	17.5	12.2
White	14.0	14.8	14.0	17.1
Filipino	6.4	7.8	7.0	7.8
Micronesian	3.0	2.7	3.5	4.0
Samoan	2.8	2.7	2.7	2.9
Black	2.8	3.4	2.7	2.0
Hispanic/Spanish	2.2	1.6	1.9	3.8
Other	4.4	3.6	4.1	4.9
Unknown/unable to determine	5.1	5.6	2.0	3.1

1/ Each type of abuse and neglect is counted only once, regardless of how many times the abuse/neglect has 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 June 29, 2018.

Table 4.10-- VALUE OF PROPERTY REPORTED STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED, BY CATEGORY: 1990 TO 2017

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
2014	28,055.1	16,358.5	58.3	50,702.9	3,865.3	7.6
2015	32,486.4	20,779.9	64.0	52,615.4	4,327.9	8.2
2016	33,261.0	22,124.0	66.5	46,858.1	3,635.4	7.8
2017	18,218.3	13,644.4	74.9	47,579.9	2,413.3	5.1

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 March 11, 2019 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 4.11-- VALUE OF PROPERTY STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED, BY COUNTY: 2016 AND 2017

[In thousands of dollars unless otherwise specified]

Subject	State total	Honolulu	Hawaii	Maui	Kauai
2016					
Value of property stolen	80,119.1	57,114.8	8,201.6	12,844.0	1,958.8
Motor vehicles	33,261.0	24,167.2	3,034.1	5,652.5	407.3
Other property	46,858.1	32,947.6	5,167.5	7,191.5	1,551.5
Value of stolen property recovered 1/	25,759.4	19,108.5	1,972.0	4,260.8	418.0
Motor vehicles	22,124.0	16,506.0	1,550.3	3,746.6	321.1
Other property	3,635.4	2,602.5	421.8	514.2	96.9
Percent of value recovered	32.2	33.5	24.0	33.2	21.3
Motor vehicles	66.5	68.3	51.1	66.3	78.8
Other property	7.8	7.9	8.2	7.1	6.2
2017					
Value of property stolen	65,798.2	33,210.4	17,574.7	12,496.5	2,516.6
Motor vehicles	18,218.3	7,263.1	4,519.2	5,712.6	723.4
Other property	47,579.9	25,947.3	13,055.5	6,783.8	1,793.2
Value of stolen property recovered 1/	16,057.7	8,243.3	1,832.0	5,428.3	554.1
Motor vehicles	13,644.4	6,678.9	1,728.5	4,820.0	417.0
Other property	2,413.3	1,564.4	103.4	608.2	137.2
Percent of value recovered	24.4	24.8	10.4	43.4	22.0
Motor vehicles	74.9	92.0	38.2	84.4	57.6
Other property	5.1	6.0	0.8	9.0	7.6

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 March 11, 2019 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 4.12-- CRIME RATES FOR HAWAII AND THE UNITED STATES:
2016 AND 2017**

[Offenses per 100,000 estimated population. Type of offenses include murder, rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Excludes arson and human trafficking]

Type of offense	Hawaii 1/		United States 1/	
	2016	2017	2016 2/	2017
Violent crime	241.6	250.6	386.6	382.9
Property crime	2,964.7	2,829.5	2,451.6	2,362.2

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, *2017 Crime in the U.S.*, Table 1 <<https://ucr.fbi.gov/crime-in-the-u.s/2017/crime-in-the-u.s.-2017>> accessed March 21, 2019; 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 March 21, 2019.

Table 4.13-- AUTHORIZED POLICE PERSONNEL, BY COUNTY: 2018

[As of December 31]

Status	State total	Honolulu	Hawaii	Kauai	Maui
Total	4,570	3,253	610	236	471
Sworn, active	3,041	2,143	434	137	327
Sworn, reserve	170	150	18	-	2/ 2
Training pool	429	360	28	26	15
Not sworn (civilian)	930	600	130	73	127
Police radio dispatcher	217	1/ 142	32	20	3/ 23

1/ Excludes operators who handle 911 calls only.

2/ Unfunded; no paid county positions.

3/ Includes emergency services dispatchers. Does not include supervisors.

Source: County police departments, records.

**Table 4.14-- COURTS, JUDGES, MAGISTRATES, AND ATTORNEYS:
2016 TO 2018**

[As of June 30 unless otherwise specified]

Subject	2016	2017	2018
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/	7,804	7,881	7,991
Active	4,858	4,879	4,931
Inactive	2,946	3,002	3,060

1/ Authorized full-time positions.

2/ Authorized and funded full-time positions.

3/ Includes judges assigned to the Family Courts, 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/ Figures shown in the Hawaii State Bar Association annual report. No specific date for the data is listed in the report.

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) <https://hsba.org/HSBA/ABOUT_US/Statistics/HSBA/About_Us/Statistics.aspx> accessed March 21, 2019.

Table 4.15-- UNITED STATES DISTRICT COURT CASES: 2014 to 2018

[Fiscal year ending September 30]

Subject	2014	2015	2016	2017	2018
Civil cases					
Commenced (filings)	710	576	759	700	522
Terminated 1/	748	614	630	713	629
Pending 1/	559	520	646	2/ 632	525
Criminal cases 3/					
Commenced (filings)	211	160	157	204	203
Terminated	289	239	191	162	190
Pending 4/	390	327	402	450	467
Bankruptcy					
Commenced (filings)	1,805	1,593	1,463	1,388	1,503
Business	68	80	58	38	68
Nonbusiness	1,737	1,513	1,405	1,350	1,435
Terminated	1,920	1,783	1,710	1,516	1,510
Pending	2,624	2,435	2,178	2,050	2,043

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 defendants in all cases filed as felonies or Class A misdemeanors, but includes only those defendants in cases filed as petty offenses that were assigned to district judges rather than magistrate judges.

4/ Excludes defendants who 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 April 29, 2019.

Table 4.16-- UNITED STATES BANKRUPTCY COURT CASES FILED UNDER CHAPTER 7, 11 AND 13 OF THE BANKRUPTCY CODE: 2004 TO 2018

[Based upon original chapter designation at the time the case is originally filed. Table includes cases filed in 2018 which were on the caseload as of December 31, 2018]

Year	Chapter 7 1/			Chapter 11 2/			Chapter 13 3/		
	Total	Business	Personal	Total	Business	Personal	Total	Business	Personal
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
2016	907	31	876	12	11	1	442	4	438
2017	902	30	872	9	8	1	417	9	408
2018	1,000	46	954	3	3	-	483	9	474

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 filed 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 4.17-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:
2016 TO 2018**

[Fiscal year ending June 30]

Court and type of action	2016	2017	2018
Supreme Court	501	460	460
Primary cases	304	267	250
Applications for transfer	23	22	20
Appeals	195	173	164
Original proceedings	86	72	66
Supplemental proceedings	197	193	210
Intermediate Court of Appeals	3,237	3,097	3,031
Primary cases	551	1/ 687	595
Appeals	551	1/ 687	595
Supplemental proceedings	2,686	2,410	2,436
Circuit Courts Proper	17,676	16,332	16,650
Civil actions	4,181	3,716	3,310
Probate proceedings	1,519	1,581	1,523
Conservatorship/guardianship proceedings	218	239	242
Trust proceedings	312	288	279
Miscellaneous proceedings	6,744	6,109	6,732
Criminal actions	4,702	4,399	4,564
Part I	2,145	(2/)	(2/)
Part II	2,557	(2/)	(2/)
Family Courts	27,067	25,084	26,287
Marital actions and proceedings	5,109	4,818	4,569
Civil union actions and proceedings	14	14	11
Uniform interstate family support	353	391	343
Adoption proceedings	380	394	410
Parental proceedings	1,661	1,524	1,665
Domestic Abuse Protective Orders (Ch. 586)	5,433	5,267	5,388
Miscellaneous proceedings	2,090	1,976	2,006
Criminal actions	2,855	2,818	3,047
Children's referrals	9,172	7,882	8,848

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**Table 4.17-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:
2016 TO 2018 -- Con.**

Court and type of action	2016	2017	2018
District Court	468,121	463,953	458,207
Total cases (excluding traffic & parking cases)	54,535	51,778	52,923
Civil actions 3/	22,511	20,181	21,379
Regular civil	16,067	13,608	12,235
Small claims	3,879	3,924	6,228
TRO	2,520	2,604	2,881
Other civil actions 4/	45	45	35
Criminal actions	32,024	30,262	30,291
Part I	5,553	(2/)	(2/)
Part II	24,898	(2/)	(2/)
Other violations 5/	1,573	1,335	1,253
Total cases (traffic & parking cases)	407,425	406,389	399,477
Criminal	36,217	35,532	35,586
Felony	13	18	9
Misdemeanor	36,204	35,514	35,577
Non criminal traffic violations	224,211	206,952	208,821
Parking violations	145,786	162,662	153,619
Other violations	1,211	1,243	1,451
Other proceedings (traffic & parking cases)	6,161	5,786	5,807
Appeals	4	12	15
Administrative reviews	6,157	5,774	5,792

1/ Prior to 2017, appeals were not included until they were docketed. From 2017, the statistical methodology was modified to include all submitted appeals, even if they were not docketed.

2/ The subcategories of Part I and Part II are no longer be used. This is more in line with the Hawaii's actual charge codes.

3/ Data methodology was slightly different in 2016, but figures remained fairly similar.

4/ Includes "Special Proceedings" and "Ignition Interlock."

5/ In 2017, the "Other violations" category was no longer included under the "Criminal actions" category.

Source: The Judiciary, State of Hawaii, *Annual Report Statistical Supplement* (annual)

<http://www.courts.state.hi.us/news_and_reports/reports/reports> accessed April 30, 2019

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

**Table 4.18-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:
2016 TO 2018**

[Fiscal year ending June 30]

Court and type of action	2016	2017	2018
Supreme Court	504	489	461
Primary cases	315	290	253
Applications for transfer	16	22	22
Appeals	201	188	162
Original proceedings	91	80	69
Supplemental proceedings	189	199	208
Intermediate Court of Appeals	3,231	2,956	2,933
Primary cases	543	572	506
Appeals	543	572	506
Supplemental proceedings	2,688	2,384	2,427
Circuit Courts Proper	15,456	12,658	14,125
Civil actions	4,050	3,731	3,772
Probate proceedings	518	343	221
Conservatorship/guardianship proceedings	100	88	59
Trust proceedings	134	85	108
Miscellaneous proceedings	6,329	4,570	6,249
Criminal actions	4,325	3,841	3,716
Part I	1,909	(1/)	(1/)
Part II	2,416	(1/)	(1/)
Family Courts	25,425	22,946	23,045
Marital actions and proceedings	4,597	3,991	4,004
Civil actions and proceedings	16	9	10
Uniform interstate family support	260	312	287
Adoption proceedings	297	315	360
Parental proceedings	1,113	1,281	1,063
Domestic Abuse Protective Orders (Ch. 586)	5,190	5,085	5,196
Miscellaneous proceedings	1,675	1,667	1,649
Criminal actions	3,232	2,645	2,386
Children's referrals	9,045	7,641	8,090

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**Table 4.18-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:
2016 TO 2018 -- Con.**

Court and type of action	2016	2017	2018
District Court	515,248	522,358	467,949
Total cases (excluding traffic & parking cases)	50,000	49,527	52,650
Civil actions	24,221	22,662	23,941
Regular civil	17,681	16,815	15,701
Small claims	4,198	3,484	5,584
TRO	2,312	2,334	2,635
Other civil actions 2/	30	29	21
Criminal actions	25,779	25,494	27,342
Part I	4,987	(1/)	(1/)
Part II	19,301	(1/)	(1/)
Other violations 3/	1,491	1,371	1,367
Total traffic & parking cases	456,143	464,639	406,902
Criminal	39,425	37,766	32,096
Felony	11	19	11
Misdemeanor	39,414	37,747	32,085
Non criminal traffic violations	257,365	250,824	219,351
Parking violations	157,747	174,424	153,874
Other violations	1,606	1,625	1,581
Other traffic & parking case proceedings	9,105	8,192	8,397
Appeals	6	1	(4/)
Administrative reviews	9,099	8,191	8,397

1/ The subcategories of Part I and Part II are longer be used.

2/ Includes "Special Proceedings" and "Ignition Interlock."

3/ In 2017 and 2018, the "Other violations" category was no longer included under the "Criminal actions" category.

4/ During the fiscal year, 11 appeals were adjudicated; 8 were affirmed; 1 was dismissed; and 2 were reversed. These cases have not yet been terminated.

Source: The Judiciary, State of Hawaii, *Annual Report Statistical Supplement* (annual)

<http://www.courts.state.hi.us/news_and_reports/reports/reports> accessed May 1, 2019.

**Table 4.19-- INMATES PRESENT IN STATE CORRECTIONAL FACILITIES:
ANNUAL AVERAGE, 2000 TO 2018**

[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
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	52	7
2006	3,921	1,781	312	1,036	733	47	12
2007	3,708	1,705	262	1,062	615	52	12
2008	3,553	1,661	337	912	571	59	13
2009	3,487	1,644	426	818	525	64	10
2010	3,374	1,496	435	867	503	58	15
2011	3,539	1,550	325	1,005	608	37	14
2012	3,765	1,599	408	995	703	45	15
2013	3,804	1,739	479	928	610	37	11
2014	3,916	1,729	479	1,060	620	19	9
2015	4,068	1,720	498	1,118	705	20	7
2016	4,157	1,712	490	1,076	854	19	6
2017	3,789	6/ 1,443	409	1,046	869	18	4
2018	3,678	6/ 1,079	455	1,103	1,018	19	4

1/ Includes eight facilities: Oahu, Hawaii, Kauai, and Maui Community Correctional Centers; Kulani Correctional Facility, Halawa Correctional Facility, Women's Community Correctional Center, and Waiawa Correctional Facility. Kulani Correctional Facility was closed between November 2009 and August 2014.

2/ 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/ From 2005, figures include only youths physically housed in the Hawaii Youth Correctional Facility.

6/ In February 2017, Halawa Correctional Facility (HCF) transferred over 240 inmates to Arizona while renovations are being done at the 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 4.20-- MEDIAN AGES AND AVERAGE SENTENCES OF SENTENCED FELON POPULATION: 1997 TO 2018

[Fiscal year ending June 30. 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	34	51	3/ 106.0	39
1998	34	35	45	3/ 105.2	37
1999	34	32	48	3/ 105.5	34
2000	(NA)	(NA)	(NA)	(NA)	(NA)
2001	35	37	(NA)	(NA)	37
2002	34	33	(NA)	(NA)	35
2003	34	37	(NA)	(NA)	35
2004	35	37	(NA)	(NA)	31
2005	35	38	(NA)	(NA)	35
2006	35	38	(NA)	(NA)	39
2007	36	38	(NA)	(NA)	42
2008	36	39	(NA)	(NA)	42
2009	36	39	(NA)	(NA)	43
2010	36	40	(NA)	(NA)	48
2011	36	41	(NA)	(NA)	51
2012	36	40	(NA)	(NA)	48
2013	35	41	(NA)	(NA)	49
2014	35	39	(NA)	(NA)	45
2015	36	39	(NA)	(NA)	48
2016	38	41	(NA)	(NA)	60
2017	40	40	(NA)	(NA)	63
2018	36	40	(NA)	(NA)	57

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 4.21-- INMATE POPULATION TOTAL AND AT CONTRACTED FACILITIES IN OTHER STATES: 1997 TO 2018

[Fiscal year ending June 30]

Year	Assigned total inmate population 1/	Population at contracted facilities	
		Total	Share of inmate population
1997	4,604	300	7
1998	5,216	600	12
1999	5,043	1,178	23
2000	5,127	1,079	21
2001	5,412	1,194	22
2002	5,569	1,232	22
2003	5,657	1,295	23
2004	5,958	1,579	27
2005	6,092	1,730	28
2006	6,251	1,844	30
2007	6,045	2,009	33
2008	6,014	2,014	34
2009	6,005	2,077	35
2010	5,987	1,940	32
2011	6,090	1,667	27
2012	6,073	1,677	28
2013	5,853	1,415	24
2014	5,819	1,286	22
2015	6,024	1,341	22
2016	5,970	1,386	23
2017 2/	5,669	1,617	29
2018 2/	5,477	1,460	27

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.

2/ In February 2017, Halawa Correctional Facility (HCF) transferred over 240 inmates to Arizona while renovations are being done at the facility.

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> accessed June 6, 2005 and records.

**Table 4.22-- HAWAII PAROLING AUTHORITY STATISTICAL SUMMARY:
2015 TO 2018**

[Fiscal year ending June 30]

Item	2015	2016	2017	2018
Number of parolees, June 30 1/ 2/	1,545	1,479	1,517	1,562
In Hawaii 2/	1,484	1,404	1,439	1,465
Outside Hawaii 3/	268	221	234	199
In institution	49	41	37	38
Whereabouts unknown	61	75	78	97
Minimum imprisonment terms fixed	2,197	1,682	1,715	1,654
Number of persons for whom minimum terms fixed	748	757	584	493
Number of parole consideration hearings	2,564	2,608	2,821	2,940
Paroles granted	662	629	830	852
Paroles denied	1,712	1,789	1,722	1,781
Paroles deferred/continued	186	185	266	294
Escape	4	5	3	13
Persons considered for parole	1,917	1,982	2,090	2,066
Parole violation hearings	421	399	382	413
Parole revoked, returned to prison	333	336	318	352
Continued on parole	5	2	2	16
Deferred/rescheduled	83	61	62	45
Pardon investigations conducted	100	56	63	30
Persons recommended for pardon	25	19	25	13
Persons discharged from parole	306	293	207	211
Early discharge	79	118	50	86
Full parole term before discharge	213	168	150	115
Deceased	14	7	7	10

1/ Includes 23 Mainland cases being supervised by Hawaii (reciprocal supervision) as of June 30, 2018.

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 125 Hawaii cases being supervised on the U.S. mainland (interstate compact cases) as of June 30, 2018. Also includes 74 Hawaii cases that were deported, are in protective custody or have dual supervision as of June 30, 2018.

Source: Hawaii State Department of Public Safety, Hawaii Paroling Authority, annual statistical report (annual) <dps.hawaii.gov/hpa/> accessed May 1, 2019.

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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.

Table 5.01-- GREAT CIRCLE DISTANCE BETWEEN SPECIFIED PLACES

Places	Statute miles	Nautical miles	Kilometers
Distances from Daniel K. Inouye International Airport			
Hawaiian Islands locations			
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
Other Pacific locations			
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 Daniel K. Inouye International 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		
Lanai Airport	20°48'	156°57'
Molokai		
Kaunakakai	21°05'	157°02'
Laau Point	21°06'	157°19'
Cape Halawa	21°10'	156°43'
Oahu		
Daniel K. Inouye 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 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 COUNTY AND ISLAND

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
County				
Hawaii	266	428	313	504
Maui, including Kalawao	210	338	343	552
Honolulu	137	220	234	377
Kauai	137	220	162	261
Island 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
Nihoa	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.**

Island	Number of coastal waters 1/	Number of impaired 2/	Percentage of total impaired coastal waters	Island percentage of total impaired coastal waters
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]

Unit	Total area	Land area	Water area
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

Continued on next page.

**Table 5.08-- HAWAIIAN PERENNIAL STREAMS, BY ISLAND:
2006 TO 2014 -- Con.**

Island	Total number of streams 1/	Number of impaired 2/	Percentage of total impaired streams	Island percentage of total impaired streams
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

Measurement unit	State total	Hawaii	Maui	Kalawao	Honolulu	Kauai
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

Island	Square miles	Square kilometers
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
Nihoa	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

Island and crater	Area (acres)	Maximum depth (feet)
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
	Waihiimalu	(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

Island	Feature or stream	Length or average discharge
Longest water feature (miles)		
Hawaii	Wailuku River	32.0
Maui	Kalialinui-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
Largest perennial stream (miles) 1/		
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
Streams with greatest average discharge (million gal./day)		
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)
Hawaii				
Green Lake	Lake	3	2	20
Lake Waiau 2/	Lake	13,020	2	10
Waiakea Pond	Tidal pond	(3/)	27	7
Maui				
Kanaha Pond	Marsh	(3/)	41	3
Kealia Pond	Marsh	(3/)	500	(NA)
Waieleele	Pond	6,690	0.5	21
Molokai				
Kauhako	Pool	(3/)	0.9	814
Kualapuu Reservoir	Reservoir	821	100	50
Meyer Lake	Impoundment	2,021	6-10	5
Oahu				
Hoomaluhia	Reservoir	202	90	90
Kaelepulu Pond	Lake	(3/)	198	(NA)
Kawainui Marsh	Marsh	(3/)	1,000	(NA)
Wahiawa Reservoir	Reservoir	842	302	85
Kauai				
Nomilu Fishpond	Pond	(3/)	20	66
Waita Reservoir	Reservoir	241	424	23
Niihau				
Halalii Lake	Playa	(3/)	841-865	(NA)
Halulu Lake	Playa	(3/)	182-371	(NA)
Laysan				
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 2018**

[As of December 31, 2018. Four volcanoes have erupted in historical times: Haleakala, last active in 1460; Hualalai, last active in 1801; Mauna Loa, last active in 1984; Kilauea, last active in 2018]

Volcano and date of outbreak	Duration (days)	Location 1/	Elevation of main vent (meters)	Area covered by lava flows (km ²)	Volume of lava and/or ash erupted (km ³)
Mauna Loa					
1950: June 1	23	S, SWR	3,840-2,380	112.0	0.3760
1975: July 5	<1	S	3,900	13.5	0.0300
1984: March 25	22	S, NER	4,030-2,870	48.0	0.2200
Kilauea					
1969: Feb. 22	6	ER	930-870	6.0	0.0161
May 24	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	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	<1	C	1,100	1.0	0.0102
Dec. 31	<1	SWR	1,080	7.5	0.0143
1975: Nov. 29	<1	C	1,080-1,060	0.3	0.0002
1977: Sept. 13	18	ER	620-480	7.8	0.0329
1979: Nov. 16	1	ER	980-960	0.3	0.0006
1982: April 30	<1	C	1,080	0.3	0.0005
Sept. 25	<1	C	1,080	0.8	0.0030
1983: Jan. 3	2/ 12,893	ER	900	2/ 272.8	4.4000
2008: March 19	2/ 3,710	C	2/ 1,035	2/ 0.4	(3/)
2018: May 3	126	LER	200	35.5	1.0550

1/ C, summit caldera; ER, east rift zone; NER, northeast rift zone; S, summit area; SWR, southwest rift zone; LER, lower east 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/ Halemaumau Overlook Crater contained a lava lake with an area of 41,000 square meters, and total erupted mass of ash ejecta was 2.9×10^6 kg.

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-- EARTHQUAKES OF MAGNITUDE 6.2 OR GREATER: 1823 TO 2018

[As of December 31, 2018. Includes all earthquakes with magnitudes of 6.2 or greater]

Date and time (HST)		Location	Magnitude
1823: June 1	10:00 PM	Kaimu, Hawaii	7.0
1825: January 6	11:30 PM	Kona, Hawaii	6.2
1832: January 10	6:00 PM	Kilauea, south flank, Hawaii	6.2
1841: April 7	11:45 PM	Kilauea, south flank, Hawaii	6.5
1849: July 15	4:05 AM	Hilea, Hawaii	6.2
1852: March 31	4:15 PM	Kaoiki, Hawaii	6.2
1865: March 3	12:45 AM	West Hawaii, deep	6.5
1868: March 28	1:28 PM	Hilea, Hawaii	7.0
April 2	4:00 PM	Hilea, Hawaii	7.9
April 3	1:45 AM	Hilea, Hawaii	6.2
April 4	12:30 AM	West Hawaii, deep	6.5
May 24	12:00 AM	Kilauea, south flank, Hawaii	6.2
1870: March 21	8:30 PM	South Hawaii	6.2
August 7	4:13 AM	Molokai	6.4
1871: February 19	10:15 PM	Lanai	6.8
1877: May 31	4:20 AM	Kilauea, caldera deep, Hawaii	6.3
1880: September 23	3:15 PM	Kaoiki, Hawaii	6.6
1881: September 30	4:53 AM	Mauna Kea, deep, Hawaii	6.4
1887: January 23	11:30 PM	Hilea, Hawaii	6.5
1890: August 6	11:10 PM	Kilauea, south flank, Hawaii	6.5
1894: December 3	3:30 AM	Molokai, deep	6.4
1895: January 22	10:00 PM	Molokai	6.5
December 8	11:04 PM	Kona offshore, Hawaii	6.8
1896: September 13	4:59 AM	East Maui	6.6
1905: May 3	4:07 PM	Kilauea, south flank, Hawaii	6.2
1908: September 20	8:15 PM	Kilauea, south flank, Hawaii	6.7
1915: March 28	8:26 AM	Kaoiki, Hawaii	6.4
1918: November 1	11:33 PM	Kaoiki, Hawaii	6.4
1927: March 20	4:52 AM	Mauna Kea, offshore deep, Hawaii	6.8
1929: September 25	6:20 PM	Hualalai, Hawaii	6.2
October 5	9:22 PM	Hualalai, Hawaii	6.5
1938: January 22	10:03 PM	Maui	6.8
1950: May 29	3:17 PM	Kona, Hawaii	6.3
1951: April 22	2:52 PM	Kilauea, caldera deep, Hawaii	6.2
August 21	12:57 AM	Kona, Hawaii	6.9
1952: March 29	11:59 PM	Kilauea, south flank, Hawaii	6.2
1954: March 30	8:42 AM	Kalapana, Hawaii	6.5
1962: June 27	6:27 PM	Kaoiki, Hawaii	6.2
1973: April 26	10:26 AM	Honomu, Hawaii	6.2

Continued on next page.

**Table 5.20-- EARTHQUAKES OF MAGNITUDE 6.2 OR GREATER:
1823 TO 2018 -- Con.**

Date and time (HST)		Location	Magnitude
1975: November 29	4:47 AM	Kalapana, Hawaii	7.7
1983: November 16	6:13 AM	Kaoiki, Hawaii	6.7
1989: June 25	5:27 PM	Kalapana, Hawaii	6.2
2006: October 15	7:07 AM	Kiholo Bay, Hawaii	6.7
2018: May 4	12:32 PM	Kalapana, Hawaii	6.9

Source: Klein, F.C. and T.L. Wright (2000), "Catalog of Hawaiian Earthquakes, 1823-1959", U.S. Geological Survey Professional Paper 1623, 98 pp; Klein, F.C., et al. (2001), *Seismic Hazard in Hawaii: High Rate of Large Earthquakes and Probabilistic Ground-Motion Maps*, Bulletin of the Seismological Society of America, Vol. 91, No. 3, pp. 479-498; Wyss, M. and R.Y. Koyanagi (1992), *Isoseismal maps, macroseismic epicenters, and estimated magnitudes of historical earthquakes in the Hawaiian Islands*, U.S. Geological Survey Bulletin 2006, 93 pp; U.S. Geological Survey, Hawaiian Volcano Observatory, Seismic Catalog; <<https://earthquake.usgs.gov/earthquakes/>>.

Table 5.21-- EARTHQUAKES WITH INTENSITIES OF V OR GREATER ON OAHU: 1859 TO 2018

[As of December 31, 2018]

Date (HST)	Epicentral location	Magnitude	Oahu average intensity (Modified Mercalli Scale 1/)
1861: Dec. 5	Molokai-Lanai vicinity (?)	5.9	Mid V
Dec. 15	Molokai-Lanai vicinity (?)	5.6	Lower V - mid V
1868: Apr. 2	SE coast of Hawaii	7.9	Upper IV - lower V
Apr. 4	Maui group vicinity (?)	6.5	Lower V
1870: Aug. 7	Near Molokai	6.4	V
1871: Feb. 19	S coast of Lanai	6.8	Upper VI - lower VII
1881: Sep. 30	Maui vicinity	6.4	IV - V
1887: Jan. 13	Oahu vicinity	5.3	V
1895: Dec. 8	Oahu vicinity (?)	6.8	Mid V
1896: Sep. 13	Maui vicinity (?)	6.6	IV - V
1926: Mar. 19	N of Kohala, Hawaii	5.5	Upper IV - lower V
1929: Oct. 5	Hualalei	6.5	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	5.2	Mid VI
1973: Apr. 26	Honolulu, 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	Kiholo Bay, Hawaii	6.7	V

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 awakened. 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.

Continued on next page.

Table 5.21-- EARTHQUAKES WITH INTENSITIES OF V OR GREATER ON OAHU: 1859 TO 2018 -- Con.

Source: Cox, D.C. (1986a), *Earthquakes Felt on Oahu, Hawaii and Their Intensities*, Environmental Center Special Report, Vol. 38, University of Hawaii, 120 pp.; Cox, D.C. (1986b), *The Oahu Earthquake of June 1948, Associated Shocks, and the Hypothetical Diamond Head Fault*, Environmental Center Special Report, Vol. 36, University of Hawaii, 32 pp.; Cox, D.C. (1987), *Earthquake Experience in Honolulu*, Hawaiian Journal of History, Vol. 21, pp 98-109; Klein, F.C. and T.L. Wright (2000), *Catalog of Hawaiian Earthquakes, 1823-1959*, U.S. Geological Survey Professional Paper 1623, 98 pp.; Wyss, M. and R.Y. Koyanagi (1992), *Isoseismal maps, macroseismic epicenters, and estimated magnitudes of historical earthquakes in the Hawaiian Islands*, U.S. Geological Survey Bulletin 2006, 93 pp.; U.S. Geological Survey, Hawaiian Volcano Observatory, Seismic Catalog; and U.S. Geological Survey, National Earthquake Information Center, ShakeMap.

Table 5.22-- TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET) OR MORE: 1812 TO 2018

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 2018-- Con.

Date	Place of observation	Source	Maximum height in Hawaii		Deaths in Hawaii	Damage in Hawaii
			Meters	Feet		
1975: Nov. 29 2011: March 11	Keauhou Landing, Hawaii Kealakekua Bay, Hawaii	S. Puna Japan	14.3 5.4	47 18	2 -	\$1,500,000 (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 May 23, 2019.

Table 5.23-- MAJOR DAMS

[Includes all dams whose maximum storage equals or exceeds 600 acre-ft.]

Dam name	Nearest city	Purpose	Year completed	Height (ft.)	Length (ft.)	Drainage area (sq. miles)	Maximum storage (acre-ft.)
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	98	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 Helemano 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 May 24, 2019.

Table 5.24-- FRESH WATER USE, BY TYPE, BY COUNTY: 2015

[Million gallons per day]

Use	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Total	682.95	89.89	258.11	0.01	43.35	291.59
Ground water	338.47	60.09	186.38	0.01	16.71	75.28
Public supply	252.31	37.38	168.78	0.01	13.67	32.47
Domestic	0.66	-	-	-	0.54	0.12
Industrial	0.24	0.21	-	-	0.03	-
Irrigation	73.80	14.47	15.09	-	1.88	42.36
Livestock	0.51	-	0.11	-	0.20	0.20
Aquaculture	8.58	6.21	1.92	-	0.34	0.11
Mining	0.89	0.34	0.48	-	0.05	0.02
Thermoelectric	1.48	1.48	-	-	-	-
Surface water	344.48	29.80	71.73	-	26.64	216.31
Public supply	14.61	2.32	-	-	2.67	9.62
Domestic	7.44	7.44	-	-	-	-
Industrial	-	-	-	-	-	-
Irrigation	311.26	12.19	68.65	-	23.97	206.45
Livestock	1.10	1.10	-	-	-	-
Aquaculture	10.04	6.75	3.08	-	-	0.21
Mining	0.03	-	-	-	-	0.03
Thermoelectric	-	-	-	-	-	-

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 2015* <<https://www.sciencebase.gov/catalog/item/get/5af3311be4b0da30c1b245d8>> accessed May 24, 2019.

Table 5.25-- WATER SERVICES AND CONSUMPTION, FOR COUNTY WATERWORKS: 2016 TO 2018

[Services as of June 30; consumption during the year ending June 30]

Geographic area	Number of services			Consumption (million gallons)		
	2016	2017	2018	2016	2017	2018
State total	272,404	273,215	273,969	73,921	73,197	72,193
City and County of Honolulu	171,336	171,780	172,156	48,433	47,848	47,494
Honolulu District 1/	63,206	63,437	63,496	28,700	28,360	28,478
Rest of Oahu	108,130	108,343	108,660	19,733	19,488	19,016
Hawaii County	43,117	43,352	43,391	9,655	9,701	8,935
Kauai County	21,740	21,718	21,807	4,048	4,025	4,015
Maui County	36,211	36,365	36,615	11,785	11,623	11,749
Maui	34,552	34,690	34,933	11,523	11,375	11,508
Molokai	1,659	1,675	1,682	262	248	241

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 HAWAII AND THE UNITED STATES: 2015**

[Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water]

Subject	Hawaii	U.S. 1/
Water withdrawals, total, millions of gallons per day	1,060	322,000
Source, percent		
Ground water	33.8	26.3
Surface water	66.2	73.7
Selected major uses, percent		
Public supply	25.2	12.1
Domestic	0.8	1.0
Irrigation	36.3	36.7
Livestock	0.2	0.6
Aquaculture	1.8	2.3
Industrial	0.0	4.6
Mining	0.1	1.2
Thermoelectric power	35.7	41.3

1/ Includes Puerto Rico and Virgin Islands.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 2015*, Circular 1441 table 1 and table 2A <<https://pubs.usgs.gov/circ/1441/circ1441.pdf>> accessed May 24, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 5.27-- TOP 25 WATER USERS ON OAHU: MAY 2017 TO APRIL 2018

[Estimated monthly average]

Rank	User	Gallons (1,000)
1	Marine Corps Base Hawaii	64,356
2	Hilton Hawaiian Village Lessee LLC	18,683
3	Honolulu International Airport Maintenance - 530 Paiea	15,108
4	Honolulu International Airport Maintenance - 2980 Aolele	14,377
5	Disney Vacation Resort & Spa Ko Olina	13,246
6	GGP Ala Moana LLC	12,024
7	United Laundry Service	10,958
8	Sheraton Hotels Hawaii	10,854
9	University of Hawaii - 2566 Dole	10,694
10	Sand Island Treatment Plant	9,702
11	YHB Hawaii Kai LLC (Hawaii Kai Golf Course)	8,565
12	MWR Barbers Point Golf Course	8,429
13	Central Regional Park	8,366
14	Dole Food Company Hawaii - Waialua Sugar Interconnection	7,556
15	Honolulu Zoo	7,311
16	University of Hawaii - 2444 Dole	7,033
17	Hale Koa Hotel Maile Tower	6,975
18	Marriott International Inc.	6,932
19	Hyatt Regency Waikiki	6,921
20	Hawaii MVCC LLC (Makaha Valley Country Club)	6,802
21	Hale Koa Hotel Ilima Tower	6,538
22	Ala Moana Beach Park	6,143
23	Ala Wai Golf Course	6,097
24	Halawa Medium Security Facility	6,089
25	Hawaiian Cement	5,477

Source: Honolulu Board of Water Supply, records.

Table 5.28-- WASTEWATER TREATMENT PLANT OPERATION AND COMPLIANCE: 1994 TO 2015

Year	Total plants	Plants inspected	Plants rated unsatisfactory	In compliance (percent)
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
2015	191	71	35	82

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 2016

[In million gallons per day. Reuse amount for 2015 onward is based on operator reports which provide more accurate figures because they account for declines in use due to rainy periods, off-spec water, and equipment malfunctions]

Year	Total wastewater treated	Wastewater reused	Percent reused
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	133	21.12	15.88
2014	134	22.00	16.42
2015	134	16.30	12.10
2016	134	17.20	12.80

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/ Naval Computer & Telecommunications Area 4/ Pearl Harbor Naval Complex 5/	Kunia Wahiawa Pearl Harbor	12/16/94 5/31/94 10/14/92	3/ (NA) (NA) (NA)

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.

Source: U.S. Environmental Protection Agency, *National Priorities List Sites in Hawaii*
<<https://www.epa.gov/superfund/national-priorities-list-npl-sites-state#HI>> accessed May 25, 2019.

Table 5.31-- TOXIC CHEMICAL RELEASES IN 2017 AND HAZARDOUS WASTE GENERATED, SHIPPED, AND RECEIVED IN 2017

Category	Unit
Number of TRI facilities in Hawaii in 2017	30
Toxic chemical releases in 2017 1/	3,061,992
On-site releases	2,834,986
Air emissions	2,001,955
Water emissions	593,620
Land emissions	239,411
Off-site releases, transfers to disposal	227,006
Hazardous waste generators, shippers, and receivers 2017	
Number of generators	108
Number of shippers	107
Number of receivers	1
Hazardous waste generated, shipped, and received 2017 2/	
Generated	499,156
Shipped	675
Received	30

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> accessed May 25, 2019;

United States Environmental Protection Agency, *The National Biennial RCRA Hazardous Waste Report: 2017 Edition* <<https://rcrainfo.epa.gov/rcrainfoweb/action/modules/br/summary/view>> accessed May 25, 2019.

Table 5.32-- SOLID WASTE RECYCLED IN HAWAII: 2001 TO 2015

[Fiscal year ending June 30. In tons]

Year	Generated	Disposed	Diverted	Percent diverted
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/ 34.7
2013	2,471,320	1,566,642	904,678	38.1
2014	2,300,696	1/ 1,455,078	1/ 845,618	1/ 36.8
2015	2,417,650	1,377,611	2/ 1,040,039	1/ 43.0

1/ Maui County data currently incomplete or unavailable.

2/ Maui and Hawaii counties data currently incomplete.

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
RATE: 2006 TO 2016**

[Fiscal year ending June 30. In millions of beverage containers]

Year	Beverage container sold	Beverage container redeemed	Redemption rate (percent)
2006	930	629	67.6
2007	936	633	67.6
2008	948	682	71.9
2009	896	705	78.7
2010	902	686	76.1
2011	907	687	75.7
2012	907	697	76.8
2013	912	684	75.0
2014	934	678	72.6
2015	959	648	67.6
2016	949	635	66.9

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:
2017 TO 2018**

[Only included data from stations with greater than or equal to 10 sampling events]

Island	Number of locations	Number of samples	Enterococci density 1/			
			Lowest 2/	Highest 3/	Number over 4/	Mean 5/
2017 6/						
State total	69	2,232	2.3	59.9	2	6.7
Hawaii	12	353	2.3	9.5	-	5.9
Hilo Shoreline	6	184	5.1	9.5	-	6.9
Kona Shoreline	6	169	3.4	7.7	-	4.9
Maui	11	486	3.0	10.2	-	3.9
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	26	775	2.5	59.9	1	6.7
Kauai	20	618	2.3	55.8	1	8.7
2018						
State total	102	2,921	2.3	59.8	1	5.3
Hawaii	10	200	3.1	11.3	-	6.7
Hilo Shoreline	5	117	3.7	11.3	-	6.8
Kona Shoreline	5	83	3.1	9.0	-	6.6
Maui	16	656	2.3	8.4	-	4.1
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	47	1,488	2.3	59.8	1	5.2
Kauai	29	577	2.3	20.4	-	5.5

X Not applicable.

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density was 35 per 100 ml. in 2017 and 35 per 100 ml. in 2018.

2/ The lowest reported average value for 2017 was reported for Waipouli Beach Park, on the island of Kauai. The lowest reported average value for 2018 was shared by 3 beaches, one of which was Barking Sands, on the island of Kauai.

3/ The highest average value in 2017 was reported for Keehi Lagoon Pt. X, on the island of Oahu. The highest average value in 2018 was reported for Punaluu Beach Park on the island of Oahu.

4/ Refers to number of samples over the geometric mean standard for Enterococci density which was 35 per 100 ml. in 2017 and 35 per 100 ml. in 2018.

5/ Not weighted by number of samples.

6/ Data revised from previous *Data Book*, due to inclusion of data from only stations with greater than or equal to 10 sampling events.

Source: Hawaii State Department of Health, Clean Water Branch, records.

**Table 5.35-- WATER QUALITY AT SELECTED PUBLIC BEACHES:
2017 AND 2018**

Island and beach	Number of samples		Enterococci density 1/	
	2017	2018	2017	2018
Hawaii				
Hilo Shoreline	186	117	6.7	6.8
Hilo Bay (Canoe Beach)	27	21	5.1	4.8
Honolii Cove (Ocean)	27	18	8.0	11.3
Kona Shoreline	245	83	4.7	6.6
Anaehoomalu Bay	32	16	4.0	6.3
Kahaluu Beach Park	31	17	7.7	8.0
Spencer Beach Park	5	(X)	5.2	(X)
Maui				
Hukilau Hotel shoreline	45	36	3.1	3.5
Kamaole Beach #1	49	44	3.0	3.3
Kihei (south)	44	4	4.1	3.3
Spreckelsville Beach	43	5	3.0	2.3
Wailea Beach	49	44	3.0	3.7
Oahu				
Ala Moana Park (center)	35	49	3.3	3.6
Hanauma Bay	33	45	3.8	6.6
Kailua Beach Park	36	44	3.6	5.7
Kuhio Beach	36	49	7.9	5.8
Makaha Beach	27	43	3.5	3.1
Sunset Beach	23	31	3.1	2.7
Waimea Beach	17	24	2.5	3.4
Kauai				
Hanapepe Salt Pond	67	45	2.7	2.8
Kalapaki Beach (middle)	66	35	7.5	6.5
Kekaha (Oomano Point)	(X)	(X)	(X)	(X)
Lydgate Park (wading pool)	68	26	3.8	4.8
Poipu Beach Pavilion	68	49	4.2	4.9

X Not applicable.

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density was 35 per 100 ml. in 2017 and 2018.

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: 2004 TO 2016

[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	
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
2016	793,793	311,172	482,621	41,136

Year	Sewage pumped 2/ (millions of gallons)	Miles of sewers 2/	City and County pump stations	City and County treatment plants
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
2016	(NA)	2,024	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 2018

[Annual arithmetic means, in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), for particulate matter 10 microns or less in diameter (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	PM_{10} ($\mu\text{g}/\text{m}^3$) 1/	CO (ppm) 2/	Year	PM_{10} ($\mu\text{g}/\text{m}^3$) 1/	CO (ppm) 2/
1988	-	1.7	2004	13	0.6
1989	-	1.8	2005 3/	14	0.6
1990	-	1.5	2006 4/	13	0.4
1991	-	1.7	2007	14	0.5
1992	-	1.6	2008	14	0.5
1993	13	1.8	2009	13	0.4
1994	14	0.8	2010	12	0.4
1995	14	0.8	2011	12	0.4
1996	14	0.8	2012	12	0.4
1997	8	0.8	2013	11	0.4
1998	9	0.8	2014	13	0.4
1999	14	0.6	2015	11	0.5
2000	14	0.7	2016	13	0.6
2001	16	0.6	2017	11	0.5
2002	15	0.6	2018 5/	12	0.4
2003	15	0.6			

1/ The State Ambient Air Standard for 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.

5/ Data for 2018 are preliminary.

Source: Hawaii State Department of Health, Environmental Management Division, Clean Air Branch, records.

Table 5.39-- AIR QUALITY AT SPECIFIED LOCATIONS: 2018

[Data are preliminary]

Sampling station	PM ₁₀ (µg/m ³) 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	3	29	12	0.000	0.012	0.000
Pearl City	5	34	15	(X)	(X)	(X)
Kapolei	-	29	11	0.000	0.013	0.001

X Not applicable.

1/ Particulate matter up to 10 microns in diameter. The State and Federal Ambient Air Standard for 24-hr PM₁₀ is 150 µg/m³.

2/ The State Ambient Air Standard for 24-hr SO₂ is 0.14 ppm. Federal standard for SO₂ 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 2017

[In pounds. 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.]

	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
2015	2,569,578	1,562,956	621,767	210,030	6,346	168,480
2016 1/	3,215,150	2,113,719	522,258	197,012	3,199	378,962
2017	3,061,992	2,001,955	593,620	238,073	1,338	227,006

1/ Revised from previous *Data Book*.

Source: U.S. Environmental Protection Agency, *Hawaii Report: Toxics Release Inventory* (annual)

<https://iaspub.epa.gov/triexplorer/tri_release.chemical> accessed July 1, 2019.

**Table 5.41-- TOXIC RELEASE INVENTORY CHEMICAL RELEASES:
1988 TO 2017**

[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
2015	2,401,098	168,480	2,569,578	7,059,437
2016	2,563,310	378,966	2,942,276	5,948,533
2017	2,834,986	227,006	3,061,992	6,572,271

NA Not available.

Source: United States Environmental Protection Agency, Toxic Release Inventory Program, TRI Explorer <http://iaspub.epa.gov/triexplorer/tri_release.chemical> accessed on May 25, 2019.

Table 5.42 -- RELEASE OF PERSISTENT, BIOACCUMULATIVE AND TOXIC (PBT) CHEMICALS: 2002 TO 2017

[In pounds unless otherwise specified]

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
2015	110,410	520	128	32.00	1.649
2016	104,779	493	373	4.00	1.708
2017	120,021	669	67	16.00	1.585

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.

Source: U.S. Environmental Protection Agency, *Hawaii Report: Toxics Release Inventory* (annual)
<http://iaspub.epa.gov/triexplorer/tri_release.chemical> accessed July 1, 2019.

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 2018**

[Average carbon dioxide mixing ratio, parts per million]

Year	Annual average	Year	Annual average	Year	Annual average
1958	1/ 315.17	1979	336.73	2000	369.55
1959	315.83	1980	338.72	2001	371.14
1960	316.75	1981	340.12	2002	373.28
1961	317.49	1982	341.21	2003	375.80
1962	318.30	1983	342.87	2004	377.52
1963	318.83	1984	344.48	2005	379.80
1964	2/ 319.04	1985	345.85	2006	381.90
1965	319.87	1986	347.21	2007	383.79
1966	321.21	1987	348.98	2008	385.60
1967	322.02	1988	351.34	2009	387.43
1968	322.83	1989	352.89	2010	389.90
1969	323.93	1990	354.26	2011	391.65
1970	325.27	1991	355.45	2012	393.85
1971	326.17	1992	356.58	2013	396.52
1972	327.26	1993	357.01	2014	398.65
1973	329.45	1994	358.51	2015	400.83
1974	1/ 329.72	1995	360.62	2016	3/ 404.24
1975	4/ 331.14	1996	362.40	2017	3/ 406.55
1976	332.04	1997	363.54	2018	408.52
1977	333.79	1998	366.61		
1978	335.35	1999	368.33		

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> accessed May 26, 2019 and records.

Table 5.45-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES

[Updated through December 2017]

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	
Hawaii:						
Hilo Airport	38	63.5	84.0	51	92	124.73
Hawaii Volcanoes Nat. Park Hdq.	3,971	46.0	72.5	34	87	93.11
Naalehu	800	61.5	84.5	50	96	45.20
Kailua (Kona Airport)	30	69.5	87.5	60	96	23.30
Puako 2/	49	60.0	85.0	52	92	9.01
Waimea (Kamuela) 3/	2,671	49.5	73.5	34	87	31.44
Honokaa	1,080	(NA)	(NA)	(NA)	(NA)	67.35
Mauna Kea summit 4/	13,773	(NA)	(NA)	(NA)	(NA)	5.71
Maui:						
Hana Airport 5/	75	60.0	84.0	50	94	73.42
Haleakala summit 6/	9,964	26.0	62.5	15	73	25.33
Kihei 7/	160	(NA)	(NA)	(NA)	(NA)	12.21
Kahului Airport	51	61.5	86.5	48	97	18.52
Lahaina 8/	40	63.0	86.0	52	97	13.57
Molokai:						
Kaunakakai	12	(NA)	(NA)	(NA)	(NA)	13.10
Molokai Airport	443	59.5	85.5	46	93	23.83
Lanai:						
Lanai City 9/	1,620	55.5	79.5	46	89	33.41

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:						
Daniel K. Inouye International Airport 10/	7	62.5	86.5	52	95	19.57
Waikiki (Honolulu Zoo)	10	59.5	86.5	43	95	22.55
Manoa (Lyon Arboretum)	500	60.5	82.0	49	92	150.52
Kaneohe (State Hospital)	190	60.5	84.5	50	93	69.53
Kahuku	13	32.0	85.0	32	95	37.84
Wheeler AFB 11/	820	32.0	80.0	32	91	39.96
Upper Wahiawa 12/	1,006	59.5	81.0	42	92	59.81
Kauai:						
Kilauea (town)	390	59.5	82.5	49	93	64.89
Lihue Airport	100	60.0	84.5	50	91	39.75
Poipu (Makahuena Pt.) 6/	52	61.0	85.5	50	96	32.06
Kekaha 13/	10	61.5	85.0	44	95	20.60
Kokee (Kanalohuluhulu)	3,600	32.5	74.0	19	86	62.29
Northwestern Hawaiian Islands:						
Midway 14/	40	55.0	86.5	49	92	40.73

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/ Data available through 1976. Temperature data are for Mahukona.

3/ Data available through 1980.

4/ Based on incomplete and non-continuous data for 1966-1972.

5/ Data available through 2005.

6/ Data available through 1976.

7/ Temperature data available through 1982, refer to Keawakapu Beach.

8/ Data available through 2001.

9/ Data available through 2008, then restarted since June 2010.

10/ Formerly known as Honolulu International Airport.

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: 2018

[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	12.8	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, 2018*, "Normals, Means, and Extremes," for Hilo, Kahului, Honolulu, and Lihue (annual)
<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html> accessed May 26, 2019.

Table 5.47-- MONTHLY AND ANNUAL CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2018

[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	2.3	14.7	0.03	6.72
February	80.2	66.1	73.1	88	53	2.0	13.7	0.06	6.88
March	81.2	67.7	74.5	88	55	2.0	20.8	0.01	17.07
April	82.7	69.4	76.1	91	57	0.6	8.9	0.01	4.21
May	84.6	70.9	77.8	93	60	0.6	7.2	0.03	3.44
June	87.0	73.4	80.2	92	65	0.3	2.5	(2/)	2.28
July	87.9	74.5	81.2	94	66	0.5	2.7	0.02	2.20
August	88.7	75.1	81.9	93	65	0.6	7.6	(2/)	4.42
September	88.6	74.4	81.5	95	66	0.7	4.5	0.05	2.25
October	86.7	73.4	80.0	94	58	1.8	11.2	0.07	7.57
November	83.9	71.4	77.6	93	57	2.4	18.8	0.03	9.15
December	81.2	68.3	74.8	89	54	3.2	17.3	0.01	8.25
Annual	84.4	70.9	77.7	95	53	17.1	20.8	0.01	17.07

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Table 5.47-- MONTHLY AND ANNUAL CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2018-- 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	8.4	40	65	9.5	8.5	8.5
February	79	59	9.1	37	68	8.1	7.6	7.4
March	73	57	10.1	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	31	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	33	77	8.0	5.7	5.6
September	70	53	10.1	30	77	7.9	5.7	6.9
October	71	56	9.6	36	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, 2018*, "Normals, Means, and Extremes, Honolulu, HI" (annual)
<<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed May 26, 2019.

Table 5.48-- AVERAGE TEMPERATURE, PERCENT OF POSSIBLE SUNSHINE, AND PRECIPITATION, FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 1960 TO 2018

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	2016 1/	77.9	71	13.16
1987 1/	77.9	68	23.53	2017 1/	78.2	71	22.62
1988 1/	78.5	68	16.47	2018 1/	78.8	71	16.95
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 2018*, "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 May 26, 2019.

Table 5.49-- AVERAGE DAILY TEMPERATURE AND DAYS WITH MAXIMUM OF 90° OR HIGHER, FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 1971 TO 2018

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	2016	84.1	4
1987	85.7	93	2017	84.7	14
1988	86.1	70	2018	84.7	31
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 2018*, "Meteorological Data, Honolulu" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed May 26, 2019.

Table 5.50-- CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2005 TO 2018

Year	Average temperature (°F) 1/			Extreme temp. (°F)		Precipitation (inches)
	Annual	Coolest month	Warmest month	Lowest	Highest	
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
2016	77.9	74.2	81.5	59	91	13.16
2017	78.2	73.5	81.7	58	91	22.62
2018	78.8	75.0	82.9	63	92	16.95
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		
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
2016	66	57	10.2	(NA)	(NA)	97
2017	64	54	9.7	(NA)	(NA)	72
2018	67	58	10.1	(NA)	(NA)	98

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 2018*, "Meteorological Data, Honolulu, HI" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed May 26, 2019.

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	444.0
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	100.0
Lowest annual rainfall of record (inches)	1953	Kawaihae	0.2
Highest annual rainfall of record (inches)	1982	Waialeale	666.0
Highest wind speed of record (m.p.h.)	Sept. 11, 1992	Makahuena Pt. 3/	143.0

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: 2003 TO 2017

[In inches]

Year	Hawaii				Maui		
	Hilo Airport	Lalamilo	Kona Village	Naalehu	Kahului Airport	Kihei	Lahaina
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	9.61	43.20	29.26	1/ 14.22	(NA)
2016	128.43	9/ 0.04	1/ 14.60	41.76	19.00	1/ 14.22	8/ 0.73
2017	105.57	1.38	(NA)	35.64	26.10	(NA)	(NA)
Year	Oahu				Kauai		
	Waikiki	University of Hawaii	Nuuanu Res. 4	Kane-ohe	Koloa	Lihue Airport	Princeville
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
2016	11.97	24.80	123.67	1/ 80.30	(10/)	13.39	74.53
2017	21.58	29.95	101.15	60.61	40.23	23.68	72.42

Continued on next page.

Table 5.52-- RAINFALL AT SPECIFIED LOCATIONS: 2003 TO 2017 -- 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 2018

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	1900.0

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: 2019**

[Based on Hawaii-Aleutian Standard Time which is 10 hours less than Universal Time
Coordinated (UTC), the international standard for civil time]

Subject	Hilo	Kahului	Honolulu	Lihue
Sunrise (a.m.)				
March 20	6:24	6:30	6:35	6:42
June 21	5:43	5:46	5:50	5:55
Sept. 22	6:09	6:15	6:20	6:26
Dec. 21	6:50	6:58	7:04	7:12
Sunset (p.m.)				
March 20	6:31	6:37	6:42	6:49
June 21	7:02	7:10	7:16	7:24
Sept. 22	6:17	6:22	6:28	6:34
Dec. 21	5:47	5:50	5:55	5:59
Daylight (hours, minutes)				
March 20	12, 07	12, 07	12, 07	12, 07
June 21	13, 19	13, 24	13, 26	13, 29
Sept. 22	12, 08	12, 07	12, 08	12, 08
Dec. 21	10, 57	10, 52	10, 51	10, 47

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> accessed May 27, 2019; 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: 2020**

[Based on Hawaii-Aleutian Standard Time which is 10 hours less than Universal Time
Coordinated (UTC), the international standard for civil time]

Subject	Hilo	Kahului	Honolulu	Lihue
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> accessed May 27, 2019; and
calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 5.57-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF SELECTED SPECIES IN THE HONOLULU AREA: 2014 TO 2018

[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	2014	2015	2016	2017	2018
Endemic species 1/					
'Apapane	7	2	26	4	4
Hawaiian Duck X Mallard	144	274	160	279	170
Hawaiian Moorhen 2/	31	23	103	77	26
Hawaiian Stilt 2/	103	129	124	117	119
Oahu 'Amakihi	23	-	7	7	6
Oahu 'Elepaio	5	2	-	1	2
Indigenous species 3/					
Black-crowned Night Heron	33	34	39	51	36
Brown Booby	29	5	8	8	-
Great Frigatebird	48	15	7	78	57
Red-footed Booby	1,473	1,650	2,050	1,775	850
White Tern	5	3	48	55	48
Alien species 4/					
Cattle Egret	212	193	204	193	206
Common Myna	522	820	1,137	1,294	969
Common Waxbill	1,319	647	1,414	860	1,259
House Finch	73	36	32	89	38
House Sparrow	56	123	258	373	126
Japanese White-eye	260	63	61	104	93
Java Sparrow	623	611	128	262	514
Northern Cardinal	33	19	22	28	12
Nutmeg Mannikin	265	89	57	27	114
Red-billed Leiothrix	131	14	42	50	83
Red-crested Cardinal	95	227	228	250	198
Red-vented Bulbul	363	165	289	278	214
Red-whiskered Bulbul	118	13	37	24	13
Rock Dove/Pigeon	165	283	630	605	215
Spotted Dove	214	161	269	242	164
White-rumped Shama	78	16	20	55	31
Yellow-fronted Canary	6	144	190	97	142
Zebra Dove	1,303	878	1,826	2,317	1,860

Continued on next page.

Table 5.57-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF MAJOR SPECIES IN THE HONOLULU AREA: 2014 TO 2018 -- Con.

Species	2014	2015	2016	2017	2018
Visitor species 5/					
Mallard	3	13	104	10	-
Pacific Golden-Plover	374	231	313	342	339
Ruddy Turnstone	131	245	186	239	424
Sanderling	5	11	1	9	13
Wandering Tattler	18	12	5	15	11

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 May 27, 2019.

Table 5.58-- HAWAII AUDUBON SOCIETY BIRD COUNTS IN THE HONOLULU AREA, BY TYPE OF SPECIES: 2006 TO 2018

[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
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
2016	48	4	9	28	7
2017	50	5	7	30	8
2018	46	5	8	26	7

Year	Number of individuals				
	All species	Endemic	Indigenous	Alien	Visitor
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
2016	10,406	240	2,381	7,260	525
2017	10,583	374	2,161	7,430	618
2018	9,037	437	1,150	6,640	810

Source: Audubon's Christmas Bird Count <<http://netapp.audubon.org/CBCObservation/>> accessed May 27, 2019; 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

Type of species	Number
All species	1/ 338
Resident native: normally does not leave the islands	34
Alien, introduced: resident, does not leave the islands	53
Breeding in Hawaii: most individuals leave Hawaii when not breeding	26
Visitor: breeds elsewhere, occurs in Hawaii when not breeding	194
Extinct: extinct or almost certainly extinct	33
Endangered (or threatened): on the federal list of endangered species	37

1/ Doesn't include double counts for cattle egret and eurasian skylark, that are classified as alien and visitor.

Source: Robert L. Pyle and Peter Pyle, *The Birds of the Hawaiian Islands: Occurrence, History, Distribution, and Status*, Version 2-1 January 2017, Bishop Museum, Hawaii Biological Survey

<<http://hbs.bishopmuseum.org/birds/rlp-monograph/PrimaryChecklist.htm>> accessed on July 4, 2017 and

U.S. Fish & Wildlife Service, Environmental Conservation Online System (ECOS)

<<https://ecos.fws.gov/ecp/species-reports>> accessed July 1, 2019.

Table 5.60-- TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 2013 TO 2018

[As of June 30]

Location	2013	2014	2015	2016	2017	2018
Along City and County streets and highways 1/	142,700	143,281	143,967	145,184	145,900	146,830
In City and County parks	95,100	95,521	95,978	96,790	97,266	97,886

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 HAWAII
AND THE UNITED STATES: 2019**

[As of July 1, 2019]

Group	Hawaii	United States
Animal species	79	719
Amphibians	-	36
Arachnids	1	12
Birds	37	101
Clams	-	91
Corals	-	7
Crustaceans	3	28
Fishes	-	167
Insects	28	85
Mammals	1	94
Reptiles	4	46
Snails	5	52
Plant species	424	944
Conifers and cycads	-	4
Ferns and allies	23	38
Flowering plants	401	900
Lichens	-	2

Source: U.S. Fish & Wildlife Service, Environmental Conservation Online System (ECOS)
<<https://ecos.fws.gov/ecp/species-reports>> accessed July 1, 2019.

Table
Number **Table Name**

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

Narrative

<u>06.01</u>	Land Ownership, Cover, or Use: 1992 to 2015
<u>06.02</u>	Land Use and Structural Characteristics of Oahu: 1994 and 1998
<u>06.03</u>	Estimated Acreage of Land Use Districts: 1969 to 2018
<u>06.04</u>	Estimated Acreage of Land Use Districts, by Island: 2017 and 2018
<u>06.05</u>	Number of Land Records, by County: 1991 to 2019
<u>06.06</u>	Real Property Tax Exemptions for Cemeteries, Churches, Hospitals and Schools, by County: 2018 and 2019
<u>06.07</u>	Major Landowners, by Island, by Type: 2017
<u>06.08</u>	Real Property Owned by or Leased to the Federal Government: 2011 to 2017
<u>06.09</u>	Department of Hawaiian Home Lands Homestead Lessees and Applicants, by Island: 2014 to 2017
<u>06.10</u>	State Public and Set-Aside Land Inventory, by County: January 10, 1999

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 6.01-- LAND OWNERSHIP, COVER, OR USE: 1992 TO 2015

[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/	1992	1997	2002	2007	2012	2015
Land ownership						
Total surface area	4,123.0	4,123.0	4,123.0	4,123.0	4,123.0	4,123.0
Federal land 2/	475.4	446.9	453.4	605.7	610.7	610.7
Water area	22.6	22.6	22.5	22.7	22.7	22.8
Nonfederal land	3,625.0	3,653.5	3,647.1	3,494.6	3,489.6	3,489.5
Developed	190.4	197.8	213.2	219.3	242.8	248.5
Rural	3,434.6	3,455.7	3,433.9	3,275.3	3,246.8	3,241.0
Land cover or use 3/						
Nonfederal rural land	3,434.6	3,455.7	3,433.9	3,275.3	3,246.8	3,241.0
Cropland	263.4	231.7	150.0	105.0	89.3	84.7
CRP land 4/	-	-	-	-	-	-
Pastureland	57.7	59.7	89.6	92.8	94.5	98.1
Rangeland	1,131.4	1,125.7	1,156.1	1,124.1	1,116.6	1,115.9
Forest land	1,541.7	1,560.8	1,557.2	1,492.3	1,489.5	1,487.2
Other rural land	440.4	477.8	481.0	461.1	456.9	455.1
Cropland use						
Total cropland	263.4	231.7	150.0	105.0	89.3	84.7
Cultivated Cropland	217.6	185.3	102.5	74.8	55.0	5/ 50.5
Irrigated	111.2	75.2	67.5	62.7	5/ 45.6	5/ 40.6
Nonirrigated	106.4	110.1	35.0	5/ 12.1	5/ 9.4	5/ 9.9
Noncultivated Cropland	45.8	46.4	47.5	30.2	34.3	34.2
Irrigated	26.2	23.4	21.7	5/ 8.3	5/ 8.6	5/ 8.2
Nonirrigated	19.6	23.0	25.8	5/ 21.9	5/ 25.7	5/ 26
Prime farmland, by cover or use 6/						
Total rural land	234.0	233.6	230.1	209.9	201.3	198.5
Cropland	154.6	135.0	86.3	67.8	55.8	52.1
CRP land 4/	-	-	-	-	-	-
Pastureland	32.2	32.2	45.4	40.4	46.8	48.5
Rangeland	16.4	20.1	39.2	44.9	43.3	43.1
Forest land	26.4	29.9	37.7	38.9	38.0	37.3
Other rural land	4.4	16.4	5/ 21.5	5/ 17.9	5/ 17.4	5/ 17.5

Continued on next page.

Table 6.01-- LAND OWNERSHIP, COVER, OR USE: 1992 TO 2015 -- Con.

Land ownership, cover, or use 1/	1992	1997	2002	2007	2012	2015
Sheet or rill erosion, tons per acre						
Nonfederal rural land						
Cropland	4.70	2.84	3.27	3.32	2.52	2.09
Cultivated	5.23	2.91	3.58	3.90	2.91	2.17
Noncultivated	5/ 2.21	5/ 2.58	2.61	1.89	1.91	1.96
CRP land 4/	-	-	-	-	-	-
Pastureland	0.67	0.51	0.59	0.73	0.84	0.69
On water areas & nonfederal land						
Total wetlands & deepwater habitats	87.9	90.0	91.1	91.3	91.3	91.4
Palustrine & estuarine wetlands	73.1	75.3	76.4	76.4	76.4	76.5
Palustrine	64.8	67.0	68.1	68.1	68.1	68.2
Estuarine	8.3	8.3	8.3	8.3	8.3	8.3
Other aquatic habitats	14.8	14.7	14.7	14.9	14.9	14.9
Lacustrine	2.1	2.0	2.0	2.2	2.2	2.2
Other 7/	12.7	12.7	12.7	12.7	12.7	12.7
Total Palustrine & estuarine wetlands	73.1	75.3	76.4	76.4	76.4	76.5
Cropland, pastureland, CRP land 4/	5/ 1.5	5/ 1.5	5/ 1.5	5/ 1.5	5/ 1.5	5/ 1.9
Rangeland	2.8	2.8	5/ 2.8	5/ 2.8	5/ 2.8	5/ 2.8
Forest land	48.2	50.3	50.3	50.3	52.5	52.5
Other rural land	5/ 11.7	5/ 11.7	5/ 12.9	5/ 12.9	5/ 10.6	5/ 10.2
Developed land	-	-	-	-	-	-
Water areas	8.9	9.0	8.9	8.9	8.9	9.0

1/ The 2015 NRI provides nationally consistent data for the 33-year period 1982–2015, with measures at 1982, 1987, 1992, 1997, and annually from 2000 to 2015. 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, *2015 National Resources Inventory Summary Report*, Tables 1, 2, 9, 13, 14, 18, and 19
<<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/technical/nra/nri/>> accessed January 19, 2019.

**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
LAND USE (IN ACRES)				
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
STRUCTURES BY YEAR BUILT 1/				
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
DWELLING UNITS BY TYPE 1/				
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 2018

[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. 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
2016: December 4/	4,112,388	200,439	1,973,846	1,926,502	11,602
2017: December 4/	4,112,388	200,700	1,973,846	1,926,240	11,602
2018: December 4/	4,112,388	200,843	1,973,846	1,925,952	11,747

Continued on next page.

**Table 6.03-- ESTIMATED ACREAGE OF LAND USE DISTRICTS:
1969 TO 2018 -- Con.**

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: 2017 AND 2018**

[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. Details may not add exactly to the totals shown because of rounding. There had been no reclassifications from 2014 to 2016]

Island	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
2017					
State total	4,112,388	200,700	1,973,846	1,926,240	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	14,834	198,769	139,044	1,253
Niihau 4/	45,700	-	-	45,700	-
Kaula and Lehua	400	-	400	-	-
Other islands 5/	1,900	-	1,900	-	-
2018					
State total	4,112,388	200,843	1,973,846	1,925,952	11,747
Hawaii 3/	2,573,400	54,161	1,304,347	1,212,870	2,023
Maui	465,800	24,318	194,836	242,448	4,198
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	14,834	198,769	139,044	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 2019

[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
2017	536,346	289,564	72,421	140,858	33,503
2018	540,426	291,069	73,418	140,370	35,569
2019	540,913	292,664	74,000	140,490	33,759

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 2018 - 2019" <<https://www.realpropertyhonolulu.com/rpa-report/>> accessed January 19, 2019; 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: 2018 AND 2019**

[For fiscal year ending June 30]

Category	Cemeteries	Churches	Hospitals	Schools
2018				
Number				
State total	110	1,570	136	234
Honolulu	43	877	116	144
Maui	8	249	11	19
Hawaii	46	306	4	65
Kauai	13	138	5	6
Amount (\$1,000)				
State total	61,994	2,841,794	1,006,414	1,456,197
Honolulu	46,945	2,199,003	924,076	1,159,117
Maui	1,687	344,897	42,032	158,289
Hawaii	6,194	181,998	24,033	89,161
Kauai	7,168	115,896	16,273	49,630
2019				
Number				
State total	110	1,562	138	231
Honolulu	42	874	117	140
Maui	8	249	12	19
Hawaii	46	303	4	65
Kauai	14	136	5	7
Amount (\$1,000)				
State total	62,519	3,025,811	1,157,124	1,546,253
Honolulu	46,700	2,366,052	1,060,799	1,244,719
Maui	1,722	360,628	56,450	163,756
Hawaii	6,320	184,502	24,144	94,374
Kauai	7,777	114,629	15,731	43,405

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" (annual) <<https://www.realpropertyhonolulu.com/rpa-report/>> accessed January 19, 2019.

Table 6.07-- MAJOR LANDOWNERS, BY ISLAND, BY TYPE: 2017

[In acres. As of March 2017 for Honolulu County, April 2017 for Hawaii County and Maui County, and August 2017 for Kauai County. Acreages are based on GIS calculations where all public lands (no minimum) and private landowners with a minimum of 1,000 acres total statewide are included]

Rank	Landowner	Total acres	Hawaii	Kahoolawe	Kauai	Lanai	Maui	Molokai	Niihau	Oahu
1	Gov't State total	1,574,530.8	1,092,502.5	28,537.5	155,770.0	592.3	154,150.9	49,052.8	127.1	93,797.7
	Gov't. - State (excludes DHHL)	1,375,634.9	975,196.4	28,537.5	135,915.8	542.0	122,208.7	23,947.0	127.1	89,160.3
	Gov't. - State Dept. of Hawaiian Home Lands (DHHL)	198,896.0	117,306.1	-	19,854.2	50.3	31,942.2	25,105.7	-	4,637.4
2	Gov't. Federal	531,444.0	432,339.3	23.7	3,443.4	7.2	33,660.3	175.3	271.7	61,523.1
3	Kamehameha Schools	363,244.5	297,008.6	-	10,876.6	-	2,615.5	4,937.3	-	47,806.5
4	Parker Ranch	105,995.6	105,995.6	-	-	-	-	-	-	-
5	Robinson Family	101,287.7	-	-	55,244.9	-	-	-	46,042.8	-
6	Pulama Lanai	89,075.1	-	-	-	89,075.1	-	-	-	-
7	Alexander & Baldwin	86,514.4	9.6	-	21,015.6	-	65,451.3	-	-	37.8
8	Molokai Ranch	53,797.5	-	-	-	-	-	53,797.5	-	-
9	Gov't. County total	38,127.7	9,846.7	-	975.9	209.6	8,158.7	264.4	-	18,672.4
	Gov't. County of Honolulu	18,672.4	-	-	-	-	-	-	-	18,672.4
	Gov't. County of Hawaii	9,846.7	9,846.7	-	-	-	-	-	-	-
	Gov't. County of Maui 1/	8,632.7	-	-	-	209.6	8,158.7	264.4	-	-
	Gov't. County of Kauai	975.9	-	-	975.9	-	-	-	-	-
10	Grove Farm	30,837.2	-	-	30,837.2	-	-	-	-	-
11	Haleakala Ranch	29,167.3	-	-	-	-	29,167.3	-	-	-
12	Maui Land & Pine	22,354.9	-	-	-	-	22,354.9	-	-	-
13	Yee Hop	21,636.4	21,636.4	-	-	-	-	-	-	-
14	Dole Food Company	19,782.9	-	-	-	-	-	-	-	19,782.9
15	Ulupalakua Ranch	18,372.2	-	-	-	-	18,372.2	-	-	-
16	W.H. Shipman	16,798.9	16,798.9	-	-	-	-	-	-	-
17	Kahuku Aina Properties	16,423.1	16,423.1	-	-	-	-	-	-	-
18	McCandless Ranch	15,365.4	14,922.1	-	-	-	-	-	-	443.3
19	E.C. Olson	13,744.2	12,471.9	-	-	-	-	-	-	1,272.2
20	The Nature Conservancy	13,357.6	11,956.9	-	-	-	7.9	1,392.8	-	-

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 (September 29, 2017) <http://files.hawaii.gov/dbedt/op/gis/data/large_landowners_tables_2017.xls> accessed October 3, 2017.

Table 6.08-- REAL PROPERTY OWNED BY OR LEASED TO THE FEDERAL GOVERNMENT: 2011 TO 2017

[As of September 30. On February 4, 2004, President George W. Bush issued Executive Order 13327, which redefined federal real property to exclude, among other classifications, the national parks, and created a Federal Real Property Council to oversee federal real property assets, and also stipulated which agencies are required to report their real property data]

Subject	2011	2012	2013	2014	2015	2016 1/	2017 2/
Building area (1,000 sq. ft.)	49,749	49,590	47,342	47,653	48,919	48,183	4,354
Owned	48,879	48,754	46,337	46,723	47,188	45,757	3,413
Leased	870	836	1,005	930	1,731	1,291	721
Otherwise managed 3/	(NA)	(NA)	(NA)	(NA)	(NA)	1,135	220
Federal Gov't land acreage	234,900	234,598	234,675	241,106	429,370	77,383	2,563
Owned	180,900	180,780	180,679	186,974	325,459	48,207	1,277
Leased	54,000	53,858	53,997	54,132	103,911	21,999	1,280
Otherwise managed 3/	(NA)	(NA)	(NA)	(NA)	(NA)	7,177	5
Operating cost (\$1,000)	(NA)	878,014	877,975	(NA)	(NA)	(NA)	(NA)
Building	(NA)	530,886	523,427	(NA)	(NA)	(NA)	(NA)
Land	(NA)	766	1,461	(NA)	(NA)	(NA)	(NA)
Structure	(NA)	346,363	353,087	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Response to inquiry re: significant decline in 'Federal Gov't land acreage' awaited from GSA.

2/ Department of Defense data are under review and therefore not included in FY 2017 totals.

Comparisons to prior fiscal year data are not recommended for this reason.

3/ 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, Federal Real Property Profile, Summary Report (annual FY09 to FY12), FY09 Federal Real Property Statistics, FY 2013 Summary Data Set, FY 2014 Real Property Open Data Set, FY 2014 Summary Data Set, and FRPP Summary of Findings and Open Data Set (annual FY15 to FY17) <<http://www.gsa.gov/portal/content/102880>> accessed July 10, 2019.

Table 6.09-- DEPARTMENT OF HAWAIIAN HOME LANDS HOMESTEAD LESSEES AND APPLICANTS, BY ISLAND: 2014 TO 2017

[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
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							
Homestead leases 1/	9,821	2,518	1,408	29	844	4,276	746
Residential	8,314	1,706	1,268	29	396	4,216	699
Agricultural	1,099	507	65	-	421	60	46
Pastoral	408	305	75	-	27	-	1
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
2016							
Homestead leases 1/	9,813	2,515	1,408	29	841	4,275	745
Residential	8,306	1,702	1,268	29	394	4,215	698
Agricultural	1,099	508	65	-	420	60	46
Pastoral	408	305	75	-	27	-	1
Applications 1/	44,429	14,770	8,973	76	2,043	14,380	4,187
Residential	22,660	5,729	3,750	76	771	10,690	1,644
Agricultural	18,694	7,089	4,614	-	1,075	3,690	2,226
Pastoral	3,075	1,952	609	-	197	-	317
2017							
Homestead leases 1/	9,876	2,524	1,407	29	842	4,330	744
Residential	8,367	1,709	1,267	29	395	4,270	697
Agricultural	1,099	508	65	-	420	60	46
Pastoral	410	307	75	-	27	-	1
Applications 1/	44,935	14,921	9,098	76	2,073	14,522	4,245
Residential	22,920	5,790	3,810	76	786	10,784	1,674
Agricultural	18,905	7,157	4,673	-	1,088	3,738	2,249
Pastoral	3,110	1,974	615	-	199	-	322

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, 2017, 44,935 Statewide applications are held by some 28,123 applicants. Data are subject to audit.

Source: Hawaii State Department of Hawaiian Home Lands, *Annual Report* (annual)

<<http://dhhl.hawaii.gov/acro/annual-reports/>> accessed June 1, 2019.

**Table 6.10-- STATE PUBLIC AND SET-ASIDE LAND INVENTORY,
BY COUNTY: JANUARY 10, 1999**

[In thousands of acres]

Type of document	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
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.

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Narrative

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

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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), 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*.

Tables 7.01 through 7.10, 7.21 through 7.34, and 7.36 were updated in November 2019 to reflect the release of the final 2018 Hawaii tourism data.

Table 7.01-- PASSENGERS ARRIVING, BY TRANSIT STATUS: 2009 TO 2018

[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]

Transit status	2009	2010	2011	2012	2013
All directions	7,718,206	8,258,740	8,556,041	9,232,172	9,513,611
Landing	7,709,202	8,255,465	8,510,128	9,216,594	9,283,117
Intransit	9,004	3,275	45,913	15,578	230,494
Domestic	5,751,759	6,086,335	6,278,333	6,551,222	6,631,539
Landing	5,748,379	6,083,060	6,258,790	6,551,222	6,527,077
Intransit	3,380	3,275	19,543	-	104,462
International	1,966,447	2,172,405	2,277,708	2,680,950	2,882,072
Landing	1,960,823	2,172,405	2,251,338	2,665,372	2,756,040
Intransit	5,624	-	26,370	15,578	126,032
Transit status	2014	2015	2016	2017 1/	2018
All directions	9,691,996	10,132,074	10,462,968	10,811,431	11,403,884
Landing	9,458,694	9,901,349	10,222,915	10,685,496	11,248,568
Intransit	233,302	230,725	240,053	125,935	155,316
Domestic	6,747,786	7,111,843	7,333,569	(NA)	(NA)
Landing	6,647,828	7,010,549	7,221,908	7,505,801	8,068,542
Intransit	99,958	101,294	111,661	(NA)	(NA)
International	2,944,210	3,020,231	3,129,399	(NA)	(NA)
Landing	2,810,866	2,890,800	3,001,007	3,179,695	3,180,026
Intransit	133,344	129,431	128,392	(NA)	(NA)

NA Not available.

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaii-tourism-authority.org/research/annual-visitor-research-reports/>> accessed November 14, 2019 and records.

**Table 7.02-- PASSENGER STATUS OF PARTIES AND PASSENGERS
ARRIVING IN HAWAII: 2015 TO 2018**

[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 and point of origin	All types 1/	Visitors destined to Hawaii 2/	Returning residents	Intended residents 2/
PARTIES				
2015, total	4,599,649	4,030,801	548,138	(NA)
Domestic	3,453,266	2,923,707	508,849	20,710
International	1,146,383	1,107,094	39,289	(NA)
2016, total	4,627,893	4,021,232	586,642	(NA)
Domestic	3,423,111	2,888,161	514,930	20,019
International	1,204,783	1,133,071	71,712	(NA)
2017, total	4,805,249	3/ 4,194,371	591,544	(NA)
Domestic	3,528,457	3/ 2,988,867	520,256	19,334
International	1,276,792	3/ 1,205,504	71,288	(NA)
2018, total	5,050,084	4,402,706	626,848	(NA)
Domestic	3,771,181	3,205,949	544,702	20,530
International	1,278,903	1,196,757	82,146	(NA)
PASSENGERS				
2015, total	9,901,349	8,563,018	1,294,904	(NA)
Domestic	7,010,549	5,782,140	1,184,982	43,428
International	2,890,800	2,780,878	109,922	(NA)
2016, total	10,222,915	8,821,802	1,358,083	(NA)
Domestic	7,221,908	5,968,779	1,210,099	43,030
International	3,001,007	2,853,023	147,984	(NA)
2017, total	10,685,496	9,277,613	1,367,025	(NA)
Domestic	7,505,801	6,239,748	1,225,195	40,859
International	3,179,695	3,037,865	141,830	(NA)
2018, total	11,248,568	9,761,448	1,443,527	(NA)
Domestic	8,068,542	6,736,736	1,288,213	43,593
International	3,180,026	3,024,712	155,314	(NA)

Continued on next page.

**Table 7.02-- PASSENGER STATUS OF PARTIES AND PASSENGERS
ARRIVING IN HAWAII: 2015 TO 2018 -- Con.**

NA Not available.

1/ Due to a change in methodology, does not include intransit passengers, therefore might not be comparable with *2017 Data Book* and earlier versions.

2/ Intended residents were not identified in the international flight survey, therefore they were included in visitors.

3/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual) <<https://www.hawaiiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 14, 2019 and records.

**Table 7.03-- VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS:
1966 TO 2018**

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state.

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	Visitor arrivals			Average daily visitor census		
	Total	Domestic	International	Total	Domestic	International
1966	834,732	629,564	205,168	20,900	19,271	1,629
1970	1,745,904	1,273,639	472,265	36,920	32,028	4,892
1975	2,818,082	2,028,068	790,014	66,146	59,495	6,651
1980	3,928,789	2,793,101	1,135,688	96,406	86,788	9,618
1985	4,843,414	3,522,126	1,321,288	116,107	103,820	12,287
1990	6,723,531	4,315,161	2,408,370	154,516	113,066	41,450
1995	6,546,759	3,743,474	2,803,285	157,098	105,649	51,450
2000	6,948,595	4,446,936	2,501,659	168,637	123,441	45,196
2005	7,416,574	5,313,281	2,103,293	185,445	144,396	41,049
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	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
2016	8,821,802	5,968,779	2,853,023	217,675	157,953	59,723
2017	9,277,613	6,239,748	3,037,865	1/ 229,063	164,273	1/ 64,791
2018	9,761,448	6,736,736	3,024,712	240,341	174,611	65,731

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaii tourism authority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019, continues report published by the Hawaii State Department of Business, Economic Development & Tourism from 1999 to 2008, and Hawaii Tourism Authority, records.

Table 7.04-- VISITOR ARRIVALS BY MAJOR MARKET AREAS: 2017 AND 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. 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]

Major Market Areas (MMA) 1/	2017			2018		
	Total 2/	Domestic	Inter- national 2/	Total	Domestic	Inter- national
All visitors	9,277,613	6,239,748	3,037,865	9,761,448	6,736,736	3,024,712
US West MMA 3/	3,868,195	3,746,542	121,653	4,203,894	4,095,915	107,979
US East MMA 4/	2,040,795	1,912,352	128,443	2,173,458	2,055,288	118,170
Japan MMA	1,525,343	7,996	1,517,347	1,489,778	8,782	1,480,996
Canada MMA	520,062	134,750	385,312	548,702	136,302	412,400
Other Asia MMA 5/	449,082	44,005	405,077	379,925	35,762	344,163
China	141,232	31,785	109,447	123,246	25,022	98,224
Hong Kong	4,569	1,949	2,620	4,801	1,803	2,998
Korea	279,201	7,292	271,909	228,350	6,197	222,153
Singapore	4,617	1,306	3,311	6,006	1,195	4,811
Taiwan	19,463	1,673	17,790	17,523	1,546	15,977
Oceania MMA 6/	400,957	57,375	343,582	415,764	55,597	360,167
Australia	327,704	46,715	280,989	325,050	44,625	280,425
New Zealand	73,254	10,661	62,593	90,714	10,972	79,742
Europe MMA 7/	142,665	108,416	34,249	144,953	111,279	33,674
United Kingdom	50,328	38,200	12,128	46,523	36,362	10,161
France	22,146	12,005	10,141	25,454	13,958	11,496
Germany	42,543	34,359	8,184	45,819	37,809	8,010
Italy	10,964	9,270	1,694	11,326	9,540	1,786
Switzerland	16,685	14,583	2,102	15,831	13,610	2,221
Latin America MMA 8/	24,986	23,111	1,875	27,778	24,437	3,341
Argentina	6,571	6,191	380	6,814	6,151	663
Brazil	9,610	8,672	938	10,847	9,233	1,614
Mexico	8,805	8,248	557	10,116	9,052	1,064
Other MMA 9/	305,527	205,200	100,327	377,196	213,374	163,822

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Table 7.04-- VISITOR ARRIVALS BY MAJOR MARKET AREAS: 2017 AND 2018
-- Con.

- 1/ MMA's are geographical areas defined by the Hawaii Tourism Authority for marketing purposes.
 - 2/ Revised data 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 Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual).
<<https://www.hawaii tourism authority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019 and records.

Table 7.05-- VISITOR DAYS: 1993 TO 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. 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	Total	Domestic	International
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	75,269,197	55,142,678	20,126,519
2015	78,086,081	56,949,633	21,136,447
2016	79,669,135	57,810,695	21,858,441
2017 1/	83,608,118	59,959,536	23,648,582
2018	87,724,599	63,732,896	23,991,703

1/ Both 'International' and 'Total' were revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaii tourism authority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019, continues report published by the Hawaii State Department of Business, Economic Development & Tourism from 1999 to 2008, and Hawaii Tourism Authority, records.

**Table 7.06-- AVERAGE DAILY VISITOR CENSUS, BY COUNTY AND ISLAND:
2017 AND 2018**

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. 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	2017			2018		
	Total 1/	Domestic	Inter-national 1/	Total	Domestic	Inter-national
State total	229,063	164,273	64,791	240,341	174,611	65,731
Oahu	105,062	58,415	46,648	110,901	63,264	47,636
Hawaii	35,521	29,339	6,182	35,024	29,469	5,555
Kauai	26,416	24,216	2,200	28,463	25,841	2,621
Maui County	62,065	52,304	9,761	65,954	56,037	9,918
Maui	60,700	51,130	9,570	64,473	54,747	9,727
Molokai	765	646	119	780	683	96
Lanai	599	527	72	701	607	95

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaii tourism authority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019 and records.

Table 7.07-- VISITOR ARRIVALS, BY AREA VISITED: 2017 AND 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. 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	2017			2018		
	Total 1/	Domestic	Inter-national 1/	Total	Domestic	Inter-national
State total 2/	9,277,613	6,239,748	3,037,865	9,761,448	6,736,736	3,024,712
Oahu	5,683,344	3,009,467	2,673,878	5,862,358	3,217,740	2,644,617
Kauai	1,285,443	1,125,560	159,883	1,389,300	1,209,338	179,962
Maui County 2/	2,799,654	2,303,733	495,921	2,963,564	2,473,377	490,187
Maui	2,757,776	2,269,119	488,656	2,914,912	2,432,854	482,058
Molokai	57,998	41,560	16,438	58,885	42,441	16,445
Lanai	64,529	48,021	16,508	75,010	54,310	20,700
Hawaii Island 2/	1,767,144	1,292,724	474,420	1,706,218	1,291,109	415,108
Hilo	661,226	450,722	210,504	601,160	424,720	176,440
Kona	1,511,189	1,122,658	388,531	1,488,700	1,134,813	353,887
One island only	7,553,503	5,108,436	2,445,066	8,099,892	5,627,323	2,472,569
Oahu only	4,499,507	2,139,729	2,110,172	4,499,507	2,372,338	2,127,169

1/ Revised data 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 Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual).

<<https://www.hawaii-tourism-authority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019 and records.

Table 7.08-- SUMMARY CHARACTERISTICS OF OVERNIGHT AND LONGER VISITORS: 2017 AND 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. 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
2017 1/			
Residence (percent)			
United States	63.7	90.7	8.2
Pacific and Mountain States	41.7	60.0	4.0
California	24.0	34.9	1.7
Average age	45.3	46.3	43.8
Average party size	2.2	2.1	2.5
Average number of trips to Hawaii	5.1	5.8	3.7
Repeat visitors (percent)	66.1	71.2	55.6
Pleasure trip (percent)	84.0	83.0	86.2
In hotel only (percent)	53.5	45.9	69.3
One island only (percent)	81.4	81.9	80.5
2018			
Residence (percent)			
United States	65.3	91.3	7.5
Pacific and Mountain States	43.1	60.8	3.6
California	24.8	35.0	2.0
Average age	45.5	46.1	44.4
Average party size	2.2	2.1	2.5
Average number of trips to Hawaii	5.2	5.8	3.8
Repeat visitors (percent)	67.1	71.5	57.2
Pleasure trip (percent)	84.3	83.1	87.1
In hotel only (percent)	51.8	44.4	68.3
One island only (percent)	83.0	83.5	81.7

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaii tourism authority.org/research/annual-visitor-research-reports/>> accessed November 14, 2019 and records.

Table 7.09-- DOMESTIC VISITORS, BY STATE AND REGION: 2017 AND 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state.

Domestic includes passengers from all flights originating from the mainland United States]

Residence	2017	2018
United States	5,658,893	6,151,203
Pacific	3,037,050	3,305,395
Alaska	80,950	88,336
California	2,176,869	2,357,641
Oregon	238,825	265,168
Washington	540,406	594,250
Mountain	709,491	790,520
Arizona	179,898	195,487
Colorado	168,368	189,349
Idaho	54,234	61,826
Montana	27,177	30,128
Nevada	103,167	110,222
New Mexico	27,007	29,282
Utah	139,634	162,937
Wyoming	10,007	11,289
West North Central	229,046	249,916
Iowa	27,678	31,336
Kansas	27,135	28,407
Minnesota	87,168	95,876
Missouri	49,858	53,585
Nebraska	20,071	21,888
North Dakota	7,962	8,672
South Dakota	9,175	10,151
West South Central	343,731	379,496
Arkansas	15,080	16,362
Louisiana	19,159	21,190
Oklahoma	28,746	32,172
Texas	280,746	309,772
East North Central	383,938	416,127
Illinois	140,814	147,915
Indiana	44,257	48,685
Michigan	73,507	80,578
Ohio	73,164	82,028
Wisconsin	52,195	56,920

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Table 7.09-- DOMESTIC VISITORS, BY STATE AND REGION: 2017 AND 2018
-- Con.

Residence	2017	2018
East South Central	90,676	99,243
Alabama	21,454	23,702
Kentucky	21,036	22,985
Mississippi	8,765	9,379
Tennessee	39,421	43,177
New England	122,254	126,858
Connecticut	26,834	27,633
Maine	8,586	9,183
Massachusetts	63,727	65,648
New Hampshire	10,998	11,241
Rhode Island	6,772	7,289
Vermont	5,337	5,864
Middle Atlantic	298,499	303,217
New Jersey	76,591	78,247
New York	147,617	147,288
Pennsylvania	74,292	77,682
South Atlantic	444,207	480,432
Delaware	5,970	6,337
Washington, D.C.	11,246	12,187
Florida	123,552	130,990
Georgia	70,431	74,899
Maryland	55,278	60,301
North Carolina	57,778	64,800
South Carolina	24,320	27,480
Virginia	89,878	96,913
West Virginia	5,753	6,525

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual).
 <<https://www.hawaiiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019
 and records.

Table 7.10-- TRIP CHARACTERISTICS OF VISITORS: 2017 AND 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. 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	
	2017	2018	2017 1/	2018
All visitors 2/	6,239,748	6,736,736	3,037,865	3,024,712
Purpose of visit 2/				
Pleasure (net)	5,178,034	5,594,931	2,617,691	2,633,643
Vacation	4,949,087	5,369,681	2,271,957	2,330,694
Honeymoon	231,373	228,615	342,980	300,775
Wedding	53,584	56,654	47,163	45,859
Meetings, conventions, incentive 2/	311,893	313,517	158,021	157,857
Convention/conference	188,920	197,448	50,040	53,147
Corporate meeting	74,016	70,673	12,859	9,904
Incentive	60,906	56,308	97,993	98,035
Other business	234,020	240,718	22,173	17,285
Visit friends or relatives	653,459	709,184	85,213	84,622
Government or military	78,225	91,143	14,055	13,102
Attend school	13,803	14,143	15,871	11,700
Sport event	55,894	65,796	27,637	26,169
Traveler method				
Group tour	175,002	164,704	377,677	342,425
Package	1,207,264	1,206,398	1,434,340	1,318,660
True independent	4,969,519	5,465,284	1,531,343	1,629,210
Accommodations				
Hotel	3,426,573	3,581,232	2,306,151	2,282,954
Hotel only	2,861,585	2,990,087	2,105,373	2,064,531
Condo	1,103,367	1,190,791	463,248	480,816
Condo only	864,743	938,986	344,377	348,485
Timeshare	670,568	681,248	172,171	161,084
Timeshare only	517,923	530,578	130,741	120,355
Rental house	649,771	805,129	122,970	147,930
Hostel	46,955	53,491	26,106	28,010
Camp site	43,641	46,251	10,429	12,503
Bed & breakfast	77,684	87,611	27,586	29,547
Cruise ship	109,634	108,900	28,658	25,794
Friends, relatives	722,070	790,993	99,495	86,634

1/ Revised from previous *Data Book*.

2/ Because of multiple responses, detail may add to more than the indicated total.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual).

<<https://www.hawaii-tourism-authority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019 and records.

Table 7.11-- ACTIVITY PARTICIPATION BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2017

[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	96.9	96.7	97.4	86.1
Self-guided, drive around island	85.1	86.7	82.0	43.2
Helicopter, airplane tour	10.2	8.7	13.2	1.3
Boat, submarine tour, whale watching	31.0	29.8	33.2	12.2
Visit communities	35.5	34.6	37.4	29.0
Limo, van, bus tour	13.1	9.5	19.9	27.9
Scenic views, natural landmarks	72.8	70.3	77.7	25.4
Movie, TV film location	6.4	5.4	8.3	6.3
Recreation	96.3	96.5	96.0	88.5
Beach, sunbathing	85.2	85.3	84.8	68.3
Bodyboarding, paddleboarding	18.1	20.3	13.8	5.0
Surfing	7.3	7.1	7.8	3.7
Canoeing, kayaking	9.8	10.2	9.1	2.8
Swimming in the ocean, snorkeling	68.9	70.3	66.3	35.1
Windsurfing, kitesurfing	0.4	0.4	0.4	0.5
SCUBA diving	4.1	4.1	4.0	3.0
Fishing	3.4	3.7	2.9	1.2
Golf	8.2	9.1	6.7	5.4
Running, jogging, fitness walking	35.8	35.5	36.3	14.9
Spa	10.0	9.2	11.6	6.9
Backpacking, hiking, camping	30.4	28.5	33.8	7.1
Agritourism	11.0	9.9	13.1	2.7
Sports event, tournament	2.0	1.9	2.3	1.9
State parks, botanical gardens	43.0	40.7	47.6	20.1
Jet skiing, parasailing	2.6	2.4	3.0	3.7
Entertainment and dining	98.5	98.9	97.9	92.6
Lunch, sunset, dinner, evening cruise	29.3	27.3	33.2	46.6
Live music, stage show	34.4	31.6	39.6	17.4
Nightclub, dancing, bar, karaoke	9.7	9.3	10.6	4.1
Fine dining	54.9	53.2	58.2	36.2
Family restaurant, diner	69.1	70.8	65.8	26.3
Fast food	37.9	39.4	34.9	46.4
Cafe, coffee house	43.3	42.5	44.8	48.4
Ethnic dining	32.4	30.5	36.1	7.0
Prepared own meal	48.2	52.2	40.6	16.7

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Table 7.11-- ACTIVITY PARTICIPATION BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2017 -- Con.

Activity	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Shopping	96.6	97.0	95.9	96.6
Mall, department stores	43.8	43.6	44.3	82.2
Designer boutiques	22.6	22.3	23.1	33.5
Hotel stores	35.2	33.0	39.5	39.2
Swap meet, flea market	21.3	22.8	18.2	8.9
Discount, outlet stores	20.3	20.9	19.1	34.1
Supermarkets	55.8	58.1	51.4	57.7
Farmer's market	31.4	33.0	28.2	18.6
Convenience stores	43.4	42.9	44.6	54.1
Duty Free stores	3.4	3.1	4.1	43.6
Local shops, artisans	68.1	68.4	67.6	15.3
Culture	76.6	74.1	81.3	39.9
Historic military site	32.8	27.5	42.9	11.3
Other historic site	32.2	30.9	34.7	10.6
Museum, art gallery	22.6	22.9	21.9	6.9
Luau, Polynesian show, hula show	40.9	37.3	47.6	10.5
Lessons: hula, canoeing, ukulele, etc.	5.3	4.8	6.3	6.3
Play, concert, theatre	4.6	4.5	4.7	2.3
Art, craft fair	13.8	14.4	12.8	2.2
Festivals	10.0	10.1	9.8	3.2
Transportation	95.0	95.1	95.0	98.6
Airport shuttle	21.9	19.6	26.3	32.0
Trolley	3.2	2.5	4.5	56.1
Public bus	6.0	5.2	7.5	19.2
Tour bus, tour van	13.4	9.7	20.6	31.2
Taxi, limousine	15.7	13.4	20.1	33.2
Rental car	80.2	82.8	75.3	23.4

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, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

Table 7.12-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. TOTAL: 2017

[Covers visitors from United States staying overnight or longer. Percent of visitors]

Category	Excellent	Above average	Below average	Poor
Total	89.8	8.9	1.2	0.1
Lifestyle / lifestage segments				
Wedding / honeymoon	93.0	6.6	0.4	0.0
Family (traveling with child under 18)	91.0	8.1	0.8	0.1
Young (18-34)	91.6	7.6	0.8	0.0
Middle age (35-54)	88.7	9.7	1.4	0.2
Seniors (55+)	89.0	9.5	1.4	0.1
Visitation status				
First timers	90.5	8.3	1.1	0.1
Repeat visitors	89.6	9.1	1.2	0.1

Source: Hawaii Tourism Authority, Tourism Research, records. See also *2017 Visitor Satisfaction and Activity Report* <<https://www.hawaii tourism authority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

Table 7.13-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. WEST: 2017

[Covers visitors from Pacific and Mountain States of the United States staying overnight or longer.
Percent of visitors]

Category	Excellent	Above average	Below average	Poor
Total	88.3	9.9	1.5	0.3
Lifestyle / lifestage segments				
Wedding / honeymoon	90.6	8.7	0.7	0.0
Family (traveling with child under 18)	88.1	10.3	1.3	0.3
Young (18-34)	91.9	7.4	0.8	0.0
Middle age (35-54)	87.2	10.8	1.5	0.5
Seniors (55+)	87.8	10.0	1.9	0.3
Visitation status				
First timers	88.7	9.7	1.4	0.2
Repeat visitors	88.2	9.9	1.6	0.3

Source: Hawaii Tourism Authority, Tourism Research, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

Table 7.14-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. EAST: 2017

[Covers visitors from all other states in the continental United States not included in U.S. West staying overnight or longer. Percent of visitors]

Category	Excellent	Above average	Below average	Poor
Total	91.1	7.5	1.2	0.2
Lifestyle / lifestage segments				
Wedding / honeymoon	95.0	3.7	1.2	0.0
Family (traveling with child under 18)	91.0	7.6	1.2	0.2
Young (18-34)	92.6	6.7	0.5	0.2
Middle age (35-54)	91.3	7.0	1.4	0.4
Seniors (55+)	89.9	8.6	1.3	0.2
Visitation status				
First timers	90.7	8.0	1.1	0.2
Repeat visitors	91.4	7.1	1.3	0.2

Source: Hawaii Tourism Authority, Tourism Research, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

Table 7.15-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM JAPAN: 2017

[Visitors staying overnight or longer. Percent of visitors]

Category	Excellent	Above average	Below average	Poor
Total	75.2	21.8	2.1	0.9
Lifestyle / lifestage segments				
Wedding / honeymoon	81.3	16.9	0.7	1.1
Family (traveling with child under 18)	77.3	21.5	0.9	0.4
Young (18-34)	77.6	19.5	1.8	1.1
Middle age (35-54)	72.1	23.7	3.1	1.1
Seniors (55+)	67.8	28.2	3.5	0.5
Visitation status				
First timers	78.5	18.4	2.0	1.1
Repeat visitors	73.5	23.6	2.1	0.8

Source: Hawaii Tourism Authority, Tourism Research, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

**Table 7.16-- OVERALL ISLAND EXPERIENCE BY VISITORS FROM THE
U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2017**

[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]

Island and rating	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Oahu				
Excellent	81.8	81.1	82.7	77.6
Above average	15.6	16.1	14.9	21.6
Below average	2.4	2.4	2.4	0.8
Poor	0.2	0.4	0.0	0.1
Maui				
Excellent	89.8	89.0	91.1	75.0
Above average	8.7	9.4	7.5	24.2
Below average	1.4	1.5	1.3	0.8
Poor	0.1	0.1	0.1	0.0
Molokai				
Excellent	93.9	95.3	92.1	65.8
Above average	6.1	4.7	7.9	34.2
Below average	0.0	0.0	0.0	0.0
Poor	0.0	0.0	0.0	0.0
Lanai				
Excellent	89.5	89.3	89.6	56.7
Above average	7.8	6.7	8.9	43.3
Below average	2.7	4.0	1.5	0.0
Poor	0.0	0.0	0.0	0.0
Hilo				
Excellent	81.3	81.8	80.8	70.8
Above average	16.2	16.1	16.4	26.9
Below average	2.4	2.0	2.7	1.7
Poor	0.1	0.0	0.1	0.5
Kona				
Excellent	87.5	87.1	88.1	84.1
Above average	11.2	11.7	10.3	14.4
Below average	1.3	1.2	1.4	1.2
Poor	0.0	0.0	0.1	0.3
Kauai				
Excellent	92.8	91.9	94.5	82.3
Above average	6.5	7.4	5.0	16.0
Below average	0.6	0.7	0.5	1.7
Poor	0.1	0.1	0.1	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, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

Table 7.17-- SOURCES OF INFORMATION FOR TRIP PLANNING BY VISITORS FROM THE U.S. WEST, U.S. EAST, JAPAN, AND CANADA: 2017

[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. West 1/	U.S. East 2/	Japan	Canada
Before trip				
Travel agents / package tour companies	20.7	27.6	59.5	21.4
Social network sites	25.4	29.9	29.5	35.3
Friends, family	47.8	51.4	34.5	50.5
Hotel, resort front desk, concierge, tour desk	16.9	18.9	14.5	15.8
Mobile apps relevant to trip	34.5	34.5	29.9	34.0
Airline/commercial carrier	36.1	34.4	21.0	35.0
Personal experience	58.6	47.9	37.3	53.5
Online travel booking site/travel agent	30.6	32.0	29.6	39.9
Webpage, blog covering Hawaii	30.3	35.0	36.8	41.5
GoHawaii.com	18.2	24.1	14.9	26.1
Magazines	8.7	11.3	33.9	10.9
Guide books	21.2	25.8	46.5	27.9
Television	3.5	4.7	15.8	3.3
During trip				
Travel agents / package tour companies	8.0	11.1	15.8	10.1
Social network sites	16.8	19.4	17.7	21.7
Friends, family	25.3	26.5	10.7	20.8
Hotel, resort front desk, concierge, tour desk	31.6	38.1	19.9	32.4
Mobile apps relevant to trip	35.4	36.9	19.4	35.2
Airline/commercial carrier	9.5	11.4	6.4	10.3
Personal experience	42.9	36.3	15.2	38.7
Online travel booking site/travel agent	4.7	7.3	5.6	8.5
Webpage, blog covering Hawaii	15.6	20.2	17.7	24.3
GoHawaii.com	7.9	10.0	3.3	13.0
Magazines	11.8	11.2	16.8	16.2
Guide books	23.7	24.9	29.3	31.5
Television	5.0	4.7	3.6	5.4

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, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

**Table 7.18-- SOCIAL MEDIA AND MOBILE APP USAGE FOR TRIP PLANNING
BY VISITORS FROM THE U.S. WEST, U.S. EAST, JAPAN, AND CANADA:
2017**

[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 social media and mobile applications. Percentages do not sum to 100 percent due to multiple answers chosen]

Platform and usage	U.S. West 1/	U.S. East 2/	Japan	Canada
Social Media				
Deciding on vacation destination	36.6	39.4	54.0	42.5
Planning activities	59.3	62.3	57.3	63.4
Airline reservations	18.9	16.0	40.9	25.0
Hotel / lodging reservations	24.2	22.4	39.1	34.0
Car rental reservations	19.5	14.9	22.8	25.2
Tours / attractions / activities	30.3	34.0	38.8	31.1
Restaurant / dining reservations	54.1	52.1	37.7	50.7
Finding places to shop	32.8	31.1	65.0	35.6
Access maps / directions	25.8	23.8	60.7	29.3
Other	1.5	1.2	1.5	1.0
Mobile Apps				
Deciding on vacation destination	37.1	35.9	34.8	39.2
Planning activities	57.7	59.3	35.1	61.7
Airline reservations	61.1	58.3	25.2	63.3
Hotel / lodging reservations	51.0	47.7	25.7	56.7
Car rental reservations	54.8	49.1	14.9	57.8
Tours / attractions / activities	42.5	45.1	23.2	44.1
Restaurant / dining reservations	62.3	64.9	27.7	58.7
Finding places to shop	49.5	49.7	64.2	49.2
Access maps / directions	84.3	83.6	73.8	81.1
Other	1.1	0.9	1.3	1.6

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, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaii-tourism-authority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

Table 7.19-- AREAS OF IMPROVEMENT FOR VISITOR SATISFACTION, BY VISITORS FROM THE U.S. WEST, U.S. EAST, AND JAPAN: 2017

[Visitors were asked to identify one thing that could be improved to make their stay in Hawaii more enjoyable. 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 things mentioned]

Area of improvement	U.S. West 1/	U.S. East 2/	Japan
No negatives	33.0	38.8	37.9
Cost/expensive	3.5	3.9	2.5
Travel (cost, airport, airline, TSA/Customs, cruise, etc.)	1.8	2.1	0.8
Transportation	34.9	27.8	15.5
Ground/public transit (buses, taxis, cost, availability, etc.)	1.4	1.7	5.1
Rental car (long lines, poor service, car condition, etc.)	6.2	4.9	2.0
Driving experience (signage, roads, bad drivers, etc.)	5.8	4.9	2.3
Traffic (congested/slow)	20.8	16.0	6.0
Parking (not enough/fees)	0.6	0.3	0.1
Accommodations	4.7	3.7	10.5
Cleanliness and upkeep	2.1	1.3	4.7
Customer service	0.7	0.3	2.3
Not as promised	1.9	2.0	3.4
Food/restaurants	6.7	6.3	17.0
Customer service	0.9	0.6	3.3
Quality	2.0	1.9	8.1
Lack of variety/dining options	3.8	3.9	5.6
Customer service/hospitality/felt unwelcome	1.4	1.0	2.6
Activities/attractions and local culture	7.3	8.8	5.4
Activities/attractions (variety and unspecified)	1.5	1.1	3.0
Would like to experience more local culture	5.3	7.1	2.3
Loss of local culture, commercialization, crowds, etc.	0.5	0.6	0.1
Safety issues	2.4	2.8	4.0
Concerns about safety	2.1	2.5	3.9
Crime, items lost/stolen	0.2	0.1	0.0
Other	0.1	0.2	0.1
Homelessness	1.5	1.6	0.2
Nuisances	2.3	1.9	1.3
Public restrooms, litter, bugs, animals, noise, etc.	1.8	1.3	0.8
Weather	0.6	0.6	0.6
Other	12.2	13.4	9.2

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, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 7.20-- VISITOR PROFILE AND TRIP CHARACTERISTICS OF VISITORS
FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2017**

[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]

Characteristic	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Visitation status				
First timers	26.9	19.1	41.9	34.9
Repeat visitors	73.1	80.9	58.1	65.1
Lifestyle/lifestage segments				
Wedding/honeymoon	5.0	4.0	6.9	4.0
Family (traveling with child under 18)	19.9	22.3	15.3	23.7
Young (under 35)	11.6	10.4	14.1	13.8
Middle age (35-54)	21.9	21.3	23.0	22.2
Seniors (55+)	41.5	42.0	40.7	36.3
Primary purpose of trip				
Vacation	57.8	60.3	52.9	63.5
Anniversary/birthday	9.8	9.8	9.8	2.0
Visit friends or relatives	9.3	8.8	10.3	1.4
Business trip	4.4	4.0	5.3	1.8
Convention, conference or seminar	3.4	2.8	4.5	0.9
Honeymoon	3.3	2.4	4.9	14.3
Attend/participate in a wedding	3.0	3.2	2.7	5.9
Family gathering/reunion	1.8	1.8	1.6	0.7
Incentive/reward	1.1	1.0	1.5	0.7
Get married/vow renewal	0.7	0.7	0.7	2.3
Sporting event	0.6	0.6	0.8	0.9
Real estate purchase or viewing	0.6	0.6	0.6	0.2
Education/visit schools	0.5	0.6	0.4	0.9
Funeral	0.5	0.5	0.5	0.0
Cultural/historical/music event	0.5	0.5	0.4	0.4
Shopping/fashion	0.0	0.0	0.1	2.5
Other	2.6	2.4	3.1	1.4
Gender				
Male	43.7	43.7	43.5	46.4
Female	56.3	56.3	56.5	53.6
Age				
Mean (years)	51.7	52.3	50.6	40.6

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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: 2017 -- Con.**

Characteristic	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Highest level of school				
No/some high school	0.3	0.2	0.5	1.9
High school graduate	5.4	5.5	5.3	18.2
Some college	14.7	16.3	11.6	6.2
Vocational/technical	3.8	4.1	3.2	10.2
2-year degree	8.5	9.0	7.6	7.5
4-year degree	34.7	34.6	34.8	47.5
Post grad degree	32.6	30.3	37.1	8.4
Employment status				
Self-employed	13.9	14.9	11.9	9.9
Employed, working for someone else	54.9	51.9	60.5	58.9
Retired	24.1	25.5	21.3	4.8
Student	1.9	1.8	1.9	6.9
Homemaker	4.0	4.5	3.1	12.1
Other	1.3	1.3	1.4	7.4
U.S. visitors' income				
Up to \$40,000	7.3	7.4	6.9	(X)
\$40,000 to \$59,999	8.7	9.4	7.5	(X)
\$60,000 to \$79,999	12.5	12.8	11.8	(X)
\$80,000 to \$99,999	12.1	12.7	10.8	(X)
\$100,000 to \$124,999	15.7	15.8	15.3	(X)
\$125,000 to \$149,999	10.4	10.2	10.9	(X)
\$150,000 to \$174,999	8.3	8.4	8.1	(X)
\$175,000 to \$199,999	5.3	4.6	6.7	(X)
\$200,000 to \$249,999	6.8	6.3	7.7	(X)
\$250,000 or more	12.9	12.3	14.2	(X)
Japan visitors' income				
Less than 3.5 million yen	(X)	(X)	(X)	18.8
3.5 million to less than 4.5 million yen	(X)	(X)	(X)	14.9
4.5 million to less than 5.5 million yen	(X)	(X)	(X)	11.2
5.5 million to less than 6.5 million yen	(X)	(X)	(X)	9.6
6.5 million to less than 7.5 million yen	(X)	(X)	(X)	8.1
7.5 million to less than 8.5 million yen	(X)	(X)	(X)	7.7
8.5 million to less than 10 million yen	(X)	(X)	(X)	7.9
10 million yen or more	(X)	(X)	(X)	21.7

X Not applicable.

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, *2017 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed July 8, 2019.

Table 7.21-- LENGTH OF STAY OF VISITORS STAYING OVERNIGHT OR LONGER: 2017 AND 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state.
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	2017 1/			2018		
	Total	Domestic	International	Total	Domestic	International
All visitors	9,277,613	6,239,748	3,037,865	9,761,448	6,736,736	3,024,712
1 to 6 days	3,094,094	1,479,828	1,614,266	3,217,755	1,682,432	1,535,322
7 to 12 days	4,863,433	3,776,411	1,087,023	5,189,751	4,053,189	1,136,562
13 to 30 days	1,229,385	913,571	315,814	1,262,488	928,828	333,659
31 to 365 days	90,701	69,938	20,763	91,455	72,287	19,168
Median (days)	7.27	8.00	6.00	7.29	8.00	6.00
Mean (days)	9.01	9.61	7.78	8.99	9.46	7.93

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual).

<<https://www.hawaii-tourism-authority.org/research/annual-visitor-research-reports/>> accessed November 14, 2019 and records.

**Table 7.22-- JAPANESE VISITOR ARRIVALS AND EXPENDITURES:
2013 TO 2018**

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state]

Subject	2013	2014	2015	2016	2017 1/	2018
Arrivals (1,000)	1,519	1,512	1,482	1,488	1,525	1,490
Average stay (days)	5.9	5.8	5.9	5.9	6.0	6.0
Expenditures (mil. dol.)	2,486	2,397	2,053	2,096	2,160	2,145

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019 and records.

Table 7.23-- AVERAGE EXPENDITURE PER VISITOR DAY, BY ORIGIN OF VISITORS: 1960-1961 TO 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. Dollars. Unweighted averages for mainlanders before 1988 and for Japanese before 1990]

Year	Mainlanders	Japanese	Year	Mainlanders	Japanese
1960-1961	32.0	(NA)	2000	154.9	214.2
1965-1966 1/	37.2	(NA)	2001	142.7	227.0
1974	46.2	123.0	2002	150.4	233.1
1977	54.6	146.9	2003	157.2	240.1
1980	71.2	185.0	2004	158.0	251.5
1983	85.9	227.3	2005	160.8	255.4
1986	95.4	299.0	2006	166.3	266.5
1987	102.5	324.0	2007	170.3	268.8
1988	121.4	350.0	2008	161.0	288.3
1989	126.6	322.0	2009	145.7	268.3
1990	136.3	294.0	2010	151.6	261.1
1991	140.5	344.3	2011	157.8	289.1
1992	117.1	344.7	2012	167.1	310.1
1993	116.2	306.5	2013	172.1	275.7
1994	133.8	340.9	2014	176.6	273.4
1995	132.7	356.2	2015	175.0	236.3
1996	137.0	286.9	2016	180.2	240.3
1997	157.1	279.6	2017 2/	186.9	237.8
1998	147.4	235.2	2018	188.3	241.2
1999	148.9	207.5			

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 Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual) <<https://www.hawaiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019, continues report published by the Hawaii State Department of Business, Economic Development & Tourism from 1999 to 2008, and Hawaii Tourism Authority, records.

Table 7.24-- AVERAGE EXPENDITURE PER VISITOR DAY IN CONSTANT DOLLARS, FOR VISITORS FROM THE MAINLAND: 1960-1961 TO 2018

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state]

Year	U.S. CPI (1982-84=100)	Average expenditure per visitor day 1/	Year	U.S. CPI (1982-84=100)	Average expenditure per visitor day 1/
1960-1961	29.8	107	2000	172.2	90
1965-1966 2/	32.0	116	2001	177.1	81
1974	49.3	94	2002	179.9	84
1977	60.6	90	2003	184.0	85
1980	82.4	86	2004	188.9	84
1983	99.6	86	2005	195.3	82
1986	109.6	87	2006	201.6	82
1987	113.6	90	2007	207.3	82
1988	118.3	103	2008	215.3	75
1989	124.0	102	2009	214.5	68
1990	130.7	104	2010	218.1	70
1991	136.2	103	2011	224.9	70
1992	140.3	83	2012	229.6	73
1993	144.5	80	2013	233.0	74
1994	148.2	90	2014	236.7	75
1995	152.4	87	2015	237.0	74
1996	156.9	87	2016	240.0	75
1997	160.5	98	2017 3/	245.1	76
1998	163.0	90	2018	251.1	75
1999	166.6	89			

1/ In constant (1982-84) dollars deflated using U.S. CPI.

2/ Oahu only.

3/ 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 October 8, 2018 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: 2017 AND 2018**

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. In dollars.
Revised from previous *Data Book*]

Expenditure type	U.S. West 1/		U.S. East 2/		Japan		Canada	
	2017	2018	2017	2018	2017	2018	2017	2018
All items	174.3	175.8	208.4	210.2	237.8	241.2	160.9	164.4
Total food and beverage	37.4	37.8	42.4	42.1	50.5	50.1	33.3	34.0
Restaurant food	23.7	23.9	28.9	28.4	37.7	37.2	19.4	19.4
Dinner shows & cruises	4.0	4.1	5.2	5.4	3.7	3.8	2.8	3.1
Groceries and snacks	9.7	9.7	8.3	8.3	9.1	9.1	11.1	11.4
Entertainment & recreation	15.9	15.8	21.8	22.1	18.9	18.1	12.6	12.2
Total transportation	19.2	19.5	23.2	23.3	12.9	12.3	17.7	18.5
Interisland airfare	2.5	2.1	4.8	4.5	2.0	1.7	1.6	1.2
Ground transportation	0.8	0.9	1.1	1.1	5.9	5.7	0.9	0.9
Rental vehicles	14.7	15.2	15.9	16.2	4.5	4.4	13.8	15.0
Gasoline, parking, etc.	1.2	1.2	1.4	1.5	0.5	0.5	1.4	1.5
Total shopping	17.0	16.6	19.4	18.8	64.6	65.9	14.1	14.2
Fashion and clothing	6.5	6.3	6.9	6.7	18.1	18.4	7.3	7.4
Jewelry and watches	2.7	2.7	3.5	3.1	5.8	7.1	1.5	1.3
Cosmetics, perfume	0.4	0.4	0.6	0.7	3.6	3.8	0.3	0.2
Leather goods	0.9	0.9	0.7	0.8	17.0	17.0	0.6	0.7
Hawaii food products	2.7	2.7	2.8	2.8	13.6	13.5	1.9	1.9
Souvenirs	3.8	3.6	5.0	4.7	6.6	6.2	2.6	2.6
Lodging	80.6	82.1	89.6	92.6	80.6	85.5	78.0	80.5
All other expenses 3/	4.2	4.0	12.1	11.3	10.3	9.2	5.2	5.0

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**Table 7.25-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM
SELECTED GEOGRAPHIC AREA, BY EXPENDITURE TYPE:
2017 AND 2018 -- Con.**

Expenditure type	China		Korea		Asia 4/		Oceania 5/	
	2017	2018	2017	2018	2017	2018	2017	2018
All items	337.6	349.1	278.5	292.3	297.5	309.2	269.0	260.4
Total food and beverage	53.9	53.8	63.2	63.7	60.0	58.5	54.6	53.7
Restaurant food	43.4	43.9	50.2	50.4	47.7	46.6	39.8	38.3
Dinner shows & cruises	3.9	4.0	4.5	3.9	4.5	4.1	5.3	5.2
Groceries and snacks	6.6	6.0	8.5	9.5	7.9	7.8	9.6	10.2
Entertainment & recreation	34.3	35.7	27.6	27.6	29.5	30.6	25.0	25.3
Total transportation	37.5	37.5	26.1	25.4	30.1	30.4	17.0	16.2
Interisland airfare	14.2	13.8	5.7	5.0	8.5	8.7	3.9	3.4
Ground transportation	5.4	4.8	2.4	2.5	3.2	3.4	3.6	3.8
Rental vehicles	16.4	17.0	17.0	17.0	17.1	16.9	8.6	8.4
Gasoline, parking, etc.	1.2	1.6	0.9	0.9	1.1	1.2	0.8	0.6
Total shopping	107.7	115.5	72.0	79.1	83.5	90.4	58.6	56.4
Fashion and clothing	39.6	42.6	23.2	22.1	28.8	29.5	37.5	36.8
Jewelry and watches	22.1	25.5	2.7	3.5	7.7	11.2	4.9	4.8
Cosmetics, perfume	14.0	14.7	4.0	3.0	6.9	7.0	4.8	4.2
Leather goods	21.3	24.9	28.0	39.0	26.7	32.2	5.5	4.8
Hawaii food products	7.3	6.6	7.8	6.7	7.6	6.9	1.5	1.7
Souvenirs	3.3	4.9	6.4	5.7	5.7	5.2	4.4	4.1
Lodging	96.1	97.0	87.0	93.1	89.6	93.1	98.3	96.2
All other expenses 3/	8.0	9.7	2.7	3.3	4.9	6.2	15.6	12.7

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**Table 7.25-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM
SELECTED GEOGRAPHIC AREA, BY EXPENDITURE TYPE:
2017 AND 2018 -- Con.**

Expenditure type	Europe 6/		Latin America 7/		Other markets 8/	
	2017	2018	2017	2018	2017	2018
All items	166.3	171.5	253.4	240.6	198.2	190.7
Total food and beverage	41.2	41.1	42.9	42.0	37.4	36.7
Restaurant food	31.1	27.8	26.8	27.9	24.4	22.9
Dinner shows and cruises	0.9	1.7	8.3	6.0	4.0	5.7
Groceries and snacks	6.7	11.6	7.9	8.1	8.9	8.0
Entertainment & recreation	18.0	17.4	23.4	25.2	21.2	15.8
Total transportation	20.9	26.3	25.7	29.5	22.3	24.8
Interisland airfare	4.2	4.7	3.2	5.3	5.2	4.1
Ground transportation	3.8	2.4	2.0	2.7	4.3	3.5
Rental vehicles	10.5	17.1	19.7	20.5	11.0	15.5
Gasoline, parking, etc.	1.5	2.2	1.4	1.4	1.3	1.6
Total shopping	14.6	14.4	44.8	29.8	36.4	41.7
Fashion and clothing	7.4	6.1	27.6	16.7	17.4	21.3
Jewelry and watches	1.8	0.8	3.5	3.5	1.6	2.4
Cosmetics, perfume	0.6	1.5	1.9	1.5	1.4	1.8
Leather goods	0.8	0.7	1.0	0.4	6.0	8.5
Hawaii food products	0.5	1.5	3.9	2.5	4.7	4.3
Souvenirs	2.6	3.8	7.0	6.0	5.3	3.4
Lodging	66.6	65.3	98.8	97.6	69.8	63.5
All other expenses 3/	4.9	7.0	17.9	16.5	11.2	8.2

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/ Includes cruise package and on-ship spending on U.S. flagged Hawaii home-ported ships.

4/ Includes China, Hong Kong, Korea (South), Singapore, and Taiwan.

5/ Includes Australia and New Zealand.

6/ Includes United Kingdom, Germany, France, Italy, and Switzerland.

7/ Includes Argentina, Brazil, and Mexico.

8/ 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 Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaiiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019 and records.

**Table 7.26-- TOTAL VISITOR EXPENDITURES BY EXPENDITURE TYPE:
2017 AND 2018**

[Total air and cruise visitor expenditures. Covers visitors who stayed overnight or longer anywhere in the state. In millions of dollars]

Expenditure type	2017 1/	2018	Percent change
All items	16,794.4	17,642.5	5.1
Total food and beverage	3,480.6	3,624.5	4.1
Restaurant food	2,347.5	2,409.3	2.6
Dinner shows and cruises	353.2	396.5	12.3
Groceries and snacks	771.7	818.3	6.0
Entertainment & recreation	1,569.5	1,617.4	3.0
Total transportation	1,667.7	1,779.7	6.7
Interisland airfare	286.9	266.6	-7.1
Ground transportation	156.5	160.4	2.5
Rental vehicles	1,122.1	1,243.6	10.8
Gasoline, parking, etc.	98.2	108.8	10.8
Total shopping	2,344.9	2,414.8	3.0
Fashion and clothing	899.8	933.7	3.8
Jewelry and watches	284.8	309.2	8.6
Cosmetics, perfume	109.1	115.3	5.7
Leather goods	335.6	354.9	5.8
Hawaii food products	337.7	343.8	1.8
Souvenirs	372.2	367.9	-1.2
Lodging	6,954.6	7,441.7	7.0
All other expenses 2/	651.5	631.5	-3.1
Supplemental business	125.6	132.8	5.7

1/ Revised from previous *Data Book*.

2/ Includes cruise package and on-ship spending on U.S. flagged Hawaii home-ported ships.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019 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: 2017 AND 2018**

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. In dollars.
Expenditures for 2017 revised from previous *Data Book*]

Visitor or trip characteristics	Visitors from U.S. West 1/		Visitors from U.S. East 2/		Visitors from Japan	
	2017	2018	2017	2018	2017	2018
All visitors	174.3	175.8	208.4	210.2	237.8	241.2
Group tour status 3/						
Organized group tour	208.2	226.3	238.4	257.8	246.5	252.1
Individually arranged	172.9	174.3	199.5	201.7	236.3	240.5
Arrived on package tour 3/						
Yes	182.2	180.9	223.8	221.3	266.3	273.0
No	170.8	173.2	193.8	197.8	194.0	201.4
Accommodations						
Hotel	212.9	215.1	246.7	246.7	260.5	265.7
Condo	172.7	179.3	195.1	200.2	175.4	181.1
Guests of friends and relatives	83.3	82.7	82.4	86.6	98.0	100.6
Timeshare	174.5	165.5	208.0	154.7	136.2	126.1
Rental House	174.3	168.2	187.2	196.1	149.2	157.0
Previous visits 3/						
First trip	182.5	181.7	213.9	217.7	262.9	263.9
Repeat visitors	170.9	175.7	195.8	196.0	226.4	232.3
Purpose of trip						
Pleasure	175.5	176.0	201.5	203.4	222.0	227.5
Business, meetings, conventions, incentive	200.8	220.7	239.7	243.3	270.4	246.9
On honeymoon	219.4	231.4	274.8	280.9	321.9	329.2

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/ 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.

Source: Hawaii Tourism Authority, Tourism Research and records, *Annual Visitor Research Report* (annual) <<https://www.hawaii-tourism-authority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019 and records.

Table 7.28-- TOTAL VISITOR EXPENDITURES: 1961 TO 2018

[Total air and cruise visitor expenditures. Covers visitors who stayed overnight or longer anywhere in the state. In millions of dollars]

Year	Personal expenditures	Additional business expenditures 1/	Year	Personal expenditures	Additional business expenditures 1/
1961	137	(NA)	1990	8,707	119
1962	154	(NA)	1991	9,004	138
1963	186	(NA)	1992	8,614	141
1964	205	(NA)	1993	7,808	120
1965	225	(NA)	1994	9,544	133
1966	280	(NA)	1995	10,067	141
1967	380	(NA)	1996	9,569	140
1968	440	(NA)	1997	10,102	147
1969	550	(NA)	1998	9,910	149
1970	595	(NA)	1999	9,844	161
1971	705	(NA)	2000	10,396	194
1972	836	(NA)	2001	8,916	145
1973	1,017	(NA)	2002	9,465	144
1974	1,233	(NA)	2003	9,889	165
1975	1,355	(NA)	2004	10,702	160
1976	1,637	(NA)	2005	11,696	208
1977	1,834	(NA)	2006	12,301	191
1978	2,150	(NA)	2007	12,626	185
1979	2,541	(NA)	2008	11,220	178
1980	2,871	(NA)	2009	9,819	174
1981	3,195	(NA)	2010	10,889	177
1982	3,687	(NA)	2011	12,048	110
1983	3,847	(NA)	2012	14,250	115
1984	4,442	(NA)	2013	14,413	108
1985	4,780	92	2014	14,851	122
1986	5,567	103	2015	14,977	134
1987	6,281	120	2016	15,793	118
1988	7,813	125	2017 2/	16,669	126
1989	8,371	113	2018	17,510	133

NA Not available.

1/ Expenditures by MCI (meetings, conventions, and incentive) visitors. Not available before 1985.

2/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaii-tourism-authority.org/research/annual-visitor-research-reports/>> accessed

November 6, 2019, continues report published by the Hawaii State Department of Business, Economic Development & Tourism from 1999 to 2008, and Hawaii Tourism Authority, records.

**Table 7.29-- VISITOR EXPENDITURES, BY COUNTRY OF RESIDENCE:
1999 TO 2018**

[Total air and cruise visitor expenditures. Covers visitors who stayed overnight or longer anywhere in the state. 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	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
2016	15,911	15,793	9,524	2,096	955	3,219	118
2017 2/	16,794	16,669	10,376	2,160	1,041	3,092	126
2018	17,643	17,510	11,118	2,145	1,109	3,138	133

1/ Includes cruise ship data.

2/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019, continues report published by the Hawaii State Department of Business, Economic Development & Tourism from 1999 to 2008, and Hawaii Tourism Authority, records.

Table 7.30-- CRUISE SHIP ARRIVAL AND PASSENGER COUNT: 2014 TO 2018

Subject	2014	2015	2016	2017	2018
Number of tours 1/	138	125	106	123	120
Number of passengers	291,078	247,815	230,602	258,473	255,637
Out of state visitors	287,424	243,390	226,939	255,846	251,749
Arrived by air	116,437	118,947	114,464	129,113	124,352
Arrived by ship	170,987	124,443	112,475	126,733	127,397
Hawaii residents	3,654	4,425	3,663	2,627	3,888

1/ A tour starts when a ship first calls at a Hawaii 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, *Annual Visitor Research Report* (annual)
 <<https://www.hawaiiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 6, 2019
 and records.

**Table 7.31-- ESTIMATED DIRECT VISITOR-RELATED EXPENDITURES:
1997 TO 2018**

[In millions of dollars]

Year	Total	Visitors	Overseas airlines 1/	Cruise lines 1/
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	13,793.0	12,158.2	1,485.4	149.4
2012	16,201.5	14,364.8	1,648.9	187.8
2013	16,493.6	14,520.5	1,784.8	188.3
2014	17,013.0	14,973.3	1,880.2	159.5
2015	17,244.0	15,110.9	1,989.4	143.7
2016	18,071.3	15,911.2	2,028.4	131.6
2017 2/	19,065.8	16,794.4	2,108.7	162.8
2018	20,144.2	17,642.5	2,337.4	164.3

1/ Estimated by the Hawaii State Department of Business, Economic Development & Tourism

2/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 14, 2019, calculations by the Hawaii State Department of Business, Economic Development & Tourism, and Hawaii Tourism Authority, records.

Table 7.32-- ECONOMIC ACTIVITY GENERATED BY VISITOR-RELATED EXPENDITURES: 2012 TO 2018

[Direct and indirect impact]

Year	Visitor-related expenditures (million dollars)	Gross domestic product (million dollars)	Household income (million dollars)	State tax revenues (million dollars)	Jobs (1,000)
2012	16,201.5	12,475.1	7,080.0	1,522.9	163.6
2013	16,493.6	12,700.1	7,207.7	1,550.4	161.6
2014	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
2016	18,071.3	13,914.9	7,897.2	1,698.7	160.8
2017 1/	19,065.8	14,680.7	8,331.8	1,792.2	164.0
2018	20,144.2	15,511.1	8,803.0	1,893.6	168.1

1/ Revised from previous *Data Book*.

Source: Estimated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 7.33-- WAIKIKI'S SHARE OF TOURISM: 2018

Measure of tourism	Statewide visitor industry	Waikiki 1/	
		Number	Percent of statewide tourism
Visitor arrivals by air	9,761,448	2/ 5,862,358	(3/)
Average daily visitor census	240,341	87,901	36.6
Visitor units	80,751	30,818	38.2
Occupied visitor units	64,426	25,980	40.3
Total visitor expenditures (\$ millions) 4/	20,144	7,599	37.7

1/ Estimated by the Hawaii State Department of Business, Economic Development & Tourism

2/ Oahu visitors.

3/ Because many visitors tour more than one island, percent is not applicable.

4/ Includes a portion of the overseas airfare supporting Hawaii-based airline services and spending by cruise lines on supplies and maintenance.

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)

<<https://www.hawaiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 14, 2019, and records, calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 7.34-- CONTRIBUTION TO THE STATE'S ECONOMY BY STATEWIDE VISITOR INDUSTRY AND BY WAIKIKI: 2018

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) 133,153 1,457	(X) 15.2 18.1	(X) 50,230 550	(X) 5.7 6.8
Direct and indirect impact 4/ Gross domestic product (\$ millions) 4/ Civilian jobs 3/ State taxes (\$ millions)	15,511 168,070 1,894	16.9 19.2 23.6	5,851 63,403 714	6.4 7.2 8.9

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: Estimated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 7.35-- VISITOR INDUSTRY PRICES, PRICE DEFLATOR, AND PRICE INDEXES: 1991 TO 2018

Year	Implicit price deflator 1/ 2/ (2012=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
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	67.6	124.96	521.00	80.00	152.6	117.3	171.9
1998	69.2	129.66	521.00	88.00	153.3	112.2	171.5
1999	71.1	131.66	536.00	94.75	158.3	105.4	173.3
2000	73.6	140.63	576.00	94.50	160.0	103.5	176.3
2001	76.6	144.88	692.00	95.25	164.0	101.0	178.4
2002	78.5	140.89	692.00	99.00	166.0	102.6	180.3
2003	80.4	144.16	714.00	119.00	167.1	98.5	184.5
2004	82.8	152.17	714.00	139.60	171.0	101.2	190.6
2005	85.6	166.16	829.00	144.70	176.4	102.5	197.8
2006	88.6	187.19	(NA)	167.80	186.0	104.4	209.4
2007	91.6	199.96	(NA)	182.90	195.1	104.1	219.5
2008	93.3	201.85	(NA)	170.00	202.3	105.3	228.9
2009	95.1	177.10	(NA)	218.10	210.8	112.8	230.0
2010	96.0	174.84	(NA)	191.20	213.6	116.4	234.9
2011	97.8	189.83	(NA)	191.20	219.1	118.4	243.6
2012	100.0	204.93	(NA)	191.30	230.3	121.5	249.5
2013	102.0	229.90	(NA)	191.40	241.2	119.0	253.9
2014	104.7	234.85	(NA)	185.00	247.7	111.1	257.6
2015	107.4	244.64	(NA)	187.00	263.0	108.9	260.2
2016	109.0	254.03	(NA)	182.40	273.0	111.7	265.3
2017	111.3	2/ 264.49	(NA)	189.40	277.6	115.8	272.0
2018	113.9	278.07	(NA)	(NA)	285.6	110.3	277.1

Continued on next page.

Table 7.35-- VISITOR INDUSTRY PRICES, PRICE DEFLATOR, AND PRICE INDEXES: 1991 TO 2018 -- Con.

NA Not available.

1/ Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (May 1, 2019) <http://www.bea.gov/iTable/index_regional.cfm> accessed May 6, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism. See also *Data Book* Table 14.01.

2/ Revised from previous *Data Book*.

3/ For 1980-1994 Pannell Kerr Forster, *Trends in the Hotel Industry, Hawaii* (monthly). For 1995-2016 Smith Travel Research, Hospitality Advisors LLC, *Hawaii Hotel Flash Report* (December/Year-End Highlights). For 2017-present, Hawaii Tourism Authority, *Hawaii Hotel Performance Report* (December).

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. See also *Data Book* Table 18.42.

6/ Honolulu CPI for All Urban Consumers, from U.S. Bureau of Labor Statistics <<http://www.bls.gov/cpi/home.htm>> accessed January 11, 2019. See also *Data Book* Table 14.06

Source: See above footnotes.

**Table 7.36-- RETURNING RESIDENTS AND AVERAGE NUMBER ABSENT:
1993 TO 2018**

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	1,239,061	1,081,195	157,866	68,946	57,979	10,966
2014	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
2016	1,358,083	1,210,099	147,984	63,093	56,240	6,853
2017	1,367,024	1,225,195	141,830	62,685	56,204	6,481
2018	1,443,527	1,288,213	155,314	65,655	57,910	7,744

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)
<<https://www.hawaii-tourism-authority.org/research/annual-visitor-research-reports/>> accessed November 14, 2019, continues report published by the Hawaii State Department of Business, Economic Development & Tourism from 1999 to 2008, and Hawaii Tourism Authority, records.

Table 7.37-- PASSPORTS ISSUED BY THE HONOLULU PASSPORT AGENCY: 2013 TO 2018

[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]

Mailing address	2013	2014	2015	2016	2017	2018
Issued by Honolulu Office	62,304	62,999	67,866	72,333	80,702	80,694
Mailed to Hawaii addresses	43,778	44,304	49,313	51,300	57,124	67,401
Mailed outside the state	18,526	18,695	18,553	21,033	23,578	13,293

Source: U.S. Department of State, Honolulu Passport Agency, records.

Table 7.38-- PERFORMING ARTS, FOR OAHU: 2017-2018 SEASON

Name of organization and type of performance	Productions	Performances	Attendance
All reporting groups	111	879	298,159
Department of Enterprise Services, total	63	125	152,296
Dance	10	16	21,613
Classical concerts	21	29	23,694
Operas	4	16	13,213
Pop/rock shows	16	20	31,130
Stage shows	12	44	62,646
Brigham Young University (Theatre)	3	20	4,000
Brigham Young University (Music)	(NA)	(NA)	(NA)
Diamond Head Theatre	(NA)	(NA)	(NA)
Hawaii Pacific University (Theater)	(NA)	(NA)	(NA)
Hawaii Pacific University (Music)	(NA)	(NA)	(NA)
Honolulu Theatre for Youth	8	539	103,846
Kennedy Theatre, total	29	92	20,019
Dance	3	15	4,407
Theatre	26	77	15,612
Manoa Valley Theatre	8	103	17,998
Kumu Kahua Theater	(NA)	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Business, Economic Development & Tourism mail and telephone survey.

Table 7.39-- SYMPHONY ORCHESTRA ACTIVITIES: 1992-1993 TO 2017-2018

Season	Average number of orchestra personnel	Number of performances	Total attendance	Operating expenses (dollars)
HONOLULU SYMPHONY ORCHESTRA				
1992-1993	80	127	194,866	5,983,729
1993-1994 1/	-	-	-	1,380,547
HAWAII SYMPHONY ORCHESTRA				
1994-1995 2/	62	115	120,000	4,700,000
HONOLULU SYMPHONY ORCHESTRA				
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
HAWAII SYMPHONY ORCHESTRA				
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
2015-2016	80	37	36,971	4,477,458
2016-2017	80	31	32,111	4,223,764
2017-2018	80	40	44,431	4,333,217

Continued on next page.

Table 7.39-- SYMPHONY ORCHESTRA ACTIVITIES: 1992-1993 TO 2017-2018 -- 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 7.40-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2016 TO 2018

[For calendar year unless otherwise specified]

Island and cultural attraction	2016	2017	2018
OAHU			
Atlantis Submarines	232,443	255,558	257,757
Atlantis Cruises	69,235	56,348	62,485
Battleship Missouri Memorial	646,643	654,929	622,653
Bernice P. Bishop Museum	(NA)	(NA)	(NA)
Diamond Head State Monument 1/ 2/	938,162	1,115,636	(NA)
Foster Botanical Garden	42,989	45,391	50,263
Harold L. Lyon Arboretum	44,826	45,468	46,443
Hawaii Maritime Center	(3/)	(3/)	(3/)
Hawaii's Plantation Village	18,717	19,853	17,965
Hawaii State Art Museum 1/	52,025	68,759	62,237
Honolulu Museum of Art on Beretania	266,314	257,245	239,034
Honolulu Museum of Art at First Hawaiian Center	(NA)	(NA)	(NA)
Honolulu Museum of Art at Spalding House	27,660	36,889	31,657
Honolulu Police Department Museum	1,472	1,329	1,321
Honolulu Zoo	564,114	560,479	579,134
Ho'omaluhia Botanical Garden	218,299	226,601	249,259
Iolani Palace State Monument	119,810	131,254	130,836
King Kamehameha V Judiciary History Center 1/	58,568	129,000	179,390
Mormon Temple Grounds 4/	193,194	270,180	(NA)
Pacific Aviation Museum	(NA)	(NA)	(NA)
Polynesian Cultural Center	663,484	670,798	669,887
Puu O Mahuka Heiau State Historic Site	(5/)	(5/)	(5/)
Queen Emma Summer Palace	12,800	11,387	(NA)
Royal Mausoleum State Monument	(5/)	(5/)	(5/)
Sea Life Park Hawaii 6/	203,889	391,140	288,917
Tropic Lightning Museum, Schofield Barracks 6/	16,560	11,164	12,585
Ulupo Heiau State Historical Park	(5/)	(5/)	(5/)
U.S. Army Museum of Hawaii, Ft. DeRussy 6/	84,082	95,023	94,991
U.S.S. Bowfin Submarine Museum	391,218	417,724	400,462
University of Hawaii Art Gallery 7/	52,000	52,000	52,000
Waikiki Aquarium 1/	261,704	323,007	302,251
WWII Valor in the Pacific National Monument 8/	1,819,020	1,947,495	9/ 1,779,143

Continued on next page.

Table 7.40-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2016 TO 2018 -- Con.

Island and cultural attraction	2016	2017	2018
HAWAII			
H.N. Greenwell Store 10/	1,295	1,772	2,041
Hawaii Tropical Botanical Garden	102,581	(NA)	(NA)
Hawaii Volcanoes National Park 11/	1,887,580	2,016,702	12/ 1,116,891
Hulihe'e Palace	26,049	26,674	(NA)
Kaloko-Honokohau National Historical Park	185,041	196,857	218,015
Kona Coffee Living History Farm 13/	9,465	13,207	15,243
Lyman House Memorial Museum	11,698	10,400	11,052
Nani Mau Gardens	(NA)	(5/)	(5/)
Pacific Tsunami Museum	15,274	18,079	(NA)
Pana'ewa Rainforest Zoo and Gardens 1/	251,436	264,415	269,453
Pu'u'honua O Honaunau National Historical Park	421,027	505,735	462,974
Pu'ukohola Heiau National Historic Site	138,565	147,259	145,585
Volcano Art Center Gallery	325,000	380,000	162,500
Volcano Art Center Campus	7,400	9,300	14,500
MAUI			
Alexander & Baldwin Sugar Museum	41,235	36,621	32,025
Aquarium Maui/Maui Ocean Center	313,989	340,107	365,939
Haleakala National Park	1,263,558	1,112,390	1,044,084
Halekii-Pihana Heiau State Historical Site	(5/)	(5/)	(5/)
Hana Cultural Center	(NA)	385	(NA)
Iao Valley State Monument	(5/)	(5/)	(5/)
Kula Botanical Garden	22,300	23,500	22,750
Lahaina Restoration Foundation	21,822	25,152	27,671
Baldwin Missionary Home Museum	14,538	14,340	15,300
Hale Pai Printing House	282	228	413
Wo Hing Temple Museum	7,002	10,584	11,958
Maui Historical Society Bailey House Museum	12,049	11,884	16,974
The Whale Center of Hawaii 14/	(14/)	(NA)	(NA)

Continued on next page.

Table 7.40-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2016 TO 2018 -- Con.

Island and cultural attraction	2016	2017	2018
KAUAI			
Grove Farm Homestead	2,633	3,829	3,727
Kauai Museum	25,100	42,050	51,024
Kilauea Point National Wildlife Refuge 15/	177,124	203,598	238,470
Kokee Natural History Museum	92,234	94,268	7/ 93,407
Waioli Mission House	321	366	228
MOLOKAI			
Kalaupapa National Historical Park 16/	71,527	76,512	72,146
LANAI			
Lanai Culture & Heritage Center	8,946	11,258	8,461

NA Not available.

1/ Fiscal year ending June 30.

2/ Diamond Head State Monument is the only State Park where an entry fee is charged to all visitors. The estimated attendance is based on revenues received from entrance fees paid by walk-ins, drive-ins, and commercial vehicles.

3/ The Bishop Museum ceased public operations at its Hawaii Maritime Center, effective May 1, 2009.

4/ Church of Jesus Christ of Latter-Day Saints, Hawaii Temple Visitor's Center.

5/ No visitor counts are conducted.

6/ Fiscal year ending September 30.

7/ Data are estimates.

8/ Counts include visitors to USS *Arizona* Memorial.

9/ Visitor access to the USS *Arizona* Memorial was suspended from May 6, 2018 due to damage to the Memorial bridge and dock. Other activities at the site remained open.

10/ Visitor count for 2015 was previously not available. The visitor count in 2015 was 842.

11/ Kilauea Visitor Center and Jagger Museum are included in the total attendance at Hawaii Volcanoes National Park.

12/ Hawaii Volcanoes National Park was closed from May 11, 2018 through September 22, 2018 due to volcanic activity.

13/ Visitor count for 2015 was previously not available. The visitor count in 2015 was 6,089.

14/ The Whalers Village Museum was not open to the public in 2016. It was slated to be reopened in June 2017 as The Whale Center of Hawaii.

15/ Visitor count is for the Point only and do not include counts for the overlook on Kilauea Road. Beginning in 2014, the Refuge was open 5 days a week. Visitation was estimated between January 2016-April 2016 due to Refuge closure for trail stabilization.

16/ Includes Kalaupapa Settlement.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual mail and telephone survey of attractions.

Table 7.41-- NATIONAL PARKS, SITES AND MONUMENTS: 2000 TO 2018

Year and area	Acreage, Dec. 31 1/			Visits
	Total	Federal	Non-federal	
2000	251,744	237,504	14,240	6,517,693
2001	251,744	237,504	14,240	6,215,669
2002	251,744	237,504	14,240	6,025,991
2003	364,981	353,292	11,689	5,935,099
2004	364,999	353,434	11,564	6,700,980
2005	364,999	353,434	11,564	5,415,722
2006	364,999	353,672	11,326	5,323,425
2007	364,999	353,672	11,326	5,122,855
2008	369,110	357,784	11,326	4,536,505
2009	369,122	357,795	11,326	4,312,818
2010	369,124	357,795	11,329	4,493,123
2011	369,166	357,837	11,329	4,784,285
2012	369,166	357,837	11,329	5,119,035
2013	369,166	357,837	11,329	4,902,696
2014	369,166	357,837	11,329	5,213,817
2015	369,320	357,960	11,360	5,439,034
2016	369,320	357,960	11,360	5,786,318
2017	369,320	357,960	11,360	6,002,950
2018 2/ 3/	371,494	360,134	11,360	4,838,838
AREAS: 2018				
Haleakala National Park	33,265	33,264	(4/)	1,044,084
Hawaii Volcanoes National Park 2/	325,605	325,605	-	1,116,891
Honouliuli National Monument	154	123	31	(5/)
Kalaupapa National Historical Park	10,779	23	10,756	72,146
Kaloko-Honokohau National Historical Park	1,163	616	547	218,015
Pu'uuhonua o Honaunau National Historical Park	420	420	-	462,974
Pu'uukohola Heiau National Historic Site	86	61	25	145,585
World War II Valor in the Pacific National Monument 3/ 6/	22	22	-	1,779,143

1/ Revised from previous *Data Book*.

2/ Hawaii Volcanoes National Park was closed from May 11, 2018 through September 22, 2018 due to volcanic activity.

3/ Visitor access to the USS *Arizona* Memorial was suspended from May 6, 2018 due to damage to the Memorial bridge and dock. Other activities at the site remained open.

4/ Figure rounds to 0 but is included in total.

5/ Honouliuli National Monument was established by presidential proclamation on February 24, 2015. It is not yet open to visitors.

6/ Formerly, USS *Arizona* Memorial.

Source: U.S. Department of the Interior, National Park Service, Natural Resource Stewardship and Science "Annual Visitation By Park (1979 - Last Calendar Year)" and "Park Acreage Reports (1997 - Last Calendar/Fiscal Year)" <<https://irma.nps.gov/Stats/Reports/National>> accessed March 22, 2019.

Table 7.42-- STATE PARKS AND HISTORIC SITES: 1992 TO 2017

[As of June 30]

Year and island	Number of areas	Acreage	
		Total	Developed
1992 1/	63	25,080.0	745.6
1993	63	25,080.0	745.6
1994	63	25,099.0	745.6
1995	64	26,742.0	750.6
1996	64	26,742.0	750.6
1997	64	26,742.0	750.6
1998	65	26,762.0	750.6
1999	65	26,762.0	750.6
2000	65	26,762.0	750.6
2001	66	31,444.0	750.6
2002	67	31,764.0	750.6
2003	68	31,788.0	750.6
2004	69	31,788.0	750.6
2005	70	32,550.0	750.6
2006	70	32,550.0	750.6
2007	71	33,654.0	750.6
2008	71	33,555.0	745.6
2009	69	33,522.0	712.6
2010	69	33,522.0	712.6
2011	69	33,522.0	712.6
2012	69	33,522.0	712.6
2013	69	33,522.0	712.6
2014	65	32,896.0	707.6
2015	65	32,883.0	707.6
2016	67	32,890.0	707.6
2017	63	33,467.6	725.2
ISLAND: 2017			
Hawaii	16	7,371.6	249.9
Maui	9	326.5	37.9
Molokai	1	233.7	10.0
Oahu	27	11,271.2	296.8
Kauai	10	14,264.6	130.6

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.

Source: Hawaii State Department of Land and Natural Resources, Division of State Parks, records.

Table 7.43-- MAJOR STATE PARKS: 2015 TO 2017

[As of June 30. Parks having at least 1,000 acres]

Park	Acreage	
	Total	Developed
2015		
Napali Coast State Wilderness Park	6,175.0	4.0
Ahupuaa O Kahana State Park	5,249.0	26.0
Kokee State Park	4,345.0	55.0
Waimea Canyon State Park	1,837.4	10.0
Kekaha Kai State Park	1,745.5	5.0
Wailua River State Park	1,466.3	37.4
2016		
Napali Coast State Wilderness Park	6,175.0	4.0
Ahupuaa O Kahana State Park	5,249.0	26.0
Kokee State Park	4,345.0	55.0
Waimea Canyon State Park	1,837.4	10.0
Kekaha Kai State Park	1,745.5	5.0
Wailua River State Park	1,092.6	37.4
2017		
Napali Coast State Wilderness Park	6,175.0	4.0
Ahupuaa O Kahana State Park	5,249.0	26.0
Kokee State Park	4,345.0	55.0
Waimea Canyon State Park	1,837.4	10.0
Kekaha Kai State Park	1,745.5	5.0
Wailua River State Park	1,466.3	37.4

Source: Hawaii State Department of Land and Natural Resources, Division of State Parks, records.

**Table 7.44-- NATIONAL AND STATE HISTORIC SITES, BY ISLAND:
2018 AND 2019**

[Categories are not exclusive; a site may be listed on both Hawaii Register and National Register]

State and island	2018 1/			2019 2/		
	Listed Hawaii Register	Nominated Hawaii Register	Listed National Register	Listed Hawaii Register	Nominated Hawaii Register	Listed National Register
State total	1,014	13	359	1,025	16	359
Hawaii	178	2	84	177	3	84
Kahoolawe	1	-	1	1	-	1
Kauai	77	-	39	79	-	39
Lanai	1	-	2	1	-	2
Maui	74	-	39	75	-	39
Molokai	158	-	27	158	-	27
Northwestern Hawaiian Islands	1	-	3	1	-	3
Oahu	524	11	164	533	13	164

1/ As of August 10, 2018.

2/ As of June 26, 2019.

Source: Hawaii State Department of Land and Natural Resources, State Historic Preservation Division, "Nominated and Listed Properties on the Hawaii and National Registers of Historic Places" (August 2018) <https://dlnr.hawaii.gov/shpd/home/attachment/historicregisters_2018aug10/> accessed July 1, 2019, and "Nominated and Listed Properties on the Hawaii and National Registers of Historic Places" (June 2019) <https://dlnr.hawaii.gov/shpd/home/attachment/historicregisters_26june2019/> accessed July 1, 2019.

Table 7.45-- ZOOS: 2014 TO 2018

Subject and Zoo	2014	2015	2016	2017	2018
Species 1/ 2/					
Honolulu Zoo	205	203	200	193	191
Panaewa Rainforest Zoo and Gardens (Hilo)	87	87	91	87	85
Individuals 1/ 2/					
Honolulu Zoo	890	869	913	813	814
Panaewa Rainforest Zoo and Gardens (Hilo)	180	180	195	179	172
Attendance 3/					
Honolulu Zoo	606,566	592,780	564,114	560,479	579,134
Panaewa Rainforest Zoo and Gardens (Hilo)	220,323	214,249	251,436	262,275	269,453

1/ Animal and bird inventory, December 31.

2/ Species and individuals that are owned and on-site including 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 7.46-- AQUATIC COLLECTIONS: 2018

[As of June 30. For annual attendance, see table 7.40]

Phylum or class	Sea Life Park		Waikiki Aquarium	
	Species	Individuals	Species	Individuals
Total	79	1,111	358	2,158
Fishes	47	480	180	1,001
Reptiles	1	24	-	-
Mammals	4	20	1	2
Invertebrates	18	72	177	1,155
Birds	9	515	-	-

Source: Sea Life Park, records; and Waikiki Aquarium, records.

Table 7.47-- COUNTY PARKS, BY ISLAND: 2016 TO 2018

[As of December 31]

Island	Number			Acreage		
	2016	2017	2018	2016	2017	2018
State total	717	730	751	11,039	11,166	11,148
Hawaii	209	209	209	2,906	2,906	2,906
Maui	132	133	141	2,389	2,403	2,444
Lanai	5	5	5	24	24	24
Molokai	12	12	12	79	79	80
Oahu	285	297	299	5,154	5,267	4,909
Kauai	74	74	85	487	487	785

Source: County parks and recreation departments.

Table 7.48-- ATTENDANCE AND WATER SAFETY AT GUARDED BEACH PARKS, FOR THE CITY AND COUNTY OF HONOLULU: 2017

Beach park	Estimated attendance 1/	Rescues	Drownings	Surfing accidents
All parks	23,866,335	3,340	16	92
Ala Moana	3,403,274	66	-	1
Alii/Haleiwa	470,010	106	-	5
Bellows	97,758	16	-	-
Chuns Reef	325,556	140	-	17
Ehukai	588,817	133	-	3
Hanauma	1,569,756	978	9	-
Kailua	799,199	21	-	-
Keauwaula	348,204	14	-	-
KeWaena	356,778	45	-	1
Kualoa	239,616	29	-	-
Laniakea	385,961	104	-	10
Maili	564,909	40	-	-
Makaha	577,923	32	1	-
Makapuu	191,251	195	-	1
Nanakuli	480,865	235	-	-
Pokai Bay	284,367	14	-	-
Sandy	531,672	492	1	11
Sunset	428,817	48	-	3
Waikiki	10,968,557	376	4	30
Waimanalo	627,562	145	1	-
Waimea	625,483	111	-	10

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 7.49-- SANDY SHORELINE AND PUBLIC BEACH ACTIVITIES,
BY ISLAND: 2019**

Subject	State total	Hawaii	Maui	Oahu	Kauai
Miles of shoreline 1/ Sandy shoreline	610 169	266 (NA)	120 56	112 67	112 47
Number of public beaches 2/ Recommended for swimming	63 46	11 8	9 9	33 21	10 8
Recommended for surfing	29	-	5	21	2
Recommended for snorkeling	25	5	7	9	4
Recommended for fishing	28	-	2	22	4

NA Not available.

1/ As reported in the 2018 *Hawaiian Islands National Shoreline Management Study* (see source for more information).

2/ As monitored and recommended by the Hawaiian Lifeguard Association for *Hawaii Beach Safety* (see source for more information).

Source: U.S. Army Corps of Engineer Institute for Water Resources, *Hawaiian Islands National Shoreline Management Study* (2018) <<https://usace.contentdm.oclc.org/utis/getfile/collection/p16021coll2/id/2963>> accessed June 4, 2019; Hawaiian Lifeguard Association, *Hawaii Beach Safety* <<https://www.hawaiibeachsafety.com>> accessed June 4, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 7.50-- COUNTY TENNIS FACILITIES: 2010 TO 2018

[As of December 31]

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
Locations							
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
2016	96	19	13	2	1	51	10
2017	96	19	13	2	1	51	10
2018	96	19	13	2	1	51	10
Courts							
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
2016	328	44	46	4	2	208	24
2017	328	44	46	4	2	208	24
2018	325	44	43	4	2	208	24

Source: County parks and recreation departments.

Table 7.51-- GOLF COURSES, BY NUMBER OF HOLES, TYPE AND ISLAND: 2019

Island and course type 1/	Number of golf courses					Number of holes
	Total	9-hole	18-hole	27-hole	36-hole	
State total	86	9	73	3	1	1,512
Military	7	1	6	-	-	117
Municipal	9	1	8	-	-	153
Private	16	3	13	-	-	261
Public	54	4	46	3	1	981
Hawaii	18	2	15	-	1	324
Municipal	1	-	1	-	-	18
Private	6	1	5	-	-	99
Public	11	1	9	-	1	207
Maui	16	1	15	-	-	279
Municipal	1	-	1	-	-	18
Private	3	1	2	-	-	45
Public	12	-	12	-	-	216
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	10	1	7	2	-	189
Municipal	1	-	1	-	-	18
Private	1	-	1	-	-	18
Public	8	1	5	2	-	153

1/ Course type 'Private' includes Semi-Private and Private-Resort, and 'Public' includes Resort.

2/ Includes Keole Golf Course currently closed for renovations.

Source: Hawaii State Golf Association <<http://www.hawaiiistategolf.org/>> accessed June 4, 2019; and calculations by Hawaii State Department of Business, Economic Development and Tourism.

Table 7.52-- COUNTY GOLF COURSES AND CAMPING PERMITS, FOR OAHU: 1991 TO 2018

Year	Public golf courses 1/			Camping permits issued 2/
	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
2016	6	99	375,710	7,548
2017	6	99	371,744	9,809
2018	6	99	376,895	7,431

NA Not available.

1/ County public golf courses are categorized as Municipal golf courses in Table 7.51.

2/ 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 7.53-- SONY OPEN SCORES AND PURSES: 1999 TO 2019

[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]

Year	Holes	Winning score		Purse (dollars)	
		Total	Below par	Total	Winner
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	1/ 72	264	16	4,500,000	810,000
2004	2/ 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	3/ 5,600,000	3/ 1,008,000
2014	72	263	17	5,600,000	1,008,000
2015	72	257	23	5,600,000	1,008,000
2016	1/ 72	260	20	5,800,000	1,044,000
2017	72	253	27	6,000,000	1,080,000
2018	4/ 72	263	17	6,200,000	1,116,000
2019	72	258	22	6,400,000	1,152,000

1/ There was an additional 2 hole playoff.

2/ There was an additional 3 hole playoff.

3/ Revised from previous *Data Book*.

4/ There was an additional 6 hole playoff.

Source: Sony Open in Hawaii, Player Performances <<https://www.sonyopeninhawaii.com/player-performances>>
Accessed January 29, 2019.

Table 7.54-- PUBLIC HUNTING AREAS AND WILDLIFE SANCTUARIES AND REFUGES, BY ISLAND: OCTOBER 30, 2018

Island	Public hunting areas		Wildlife sanctuaries and refuges 1/	
	Number	Acreage (1,000)	Number	Acreage (1,000)
State total	122	939.1	50	30.0
Hawaii	62	686.0	5	28.0
Maui	18	68.0	12	0.3
Lanai	3	33.0	4	(2/)
Molokai	5	13.5	6	(2/)
Oahu	14	25.0	18	1.1
Kauai	20	113.6	3	0.4

1/ State managed sanctuaries, refuges and preserves. State total includes 2 wildlife refuges totaling 200 acres in the Kure Atoll.

2/ Less than 50 acres.

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, records.

Table 7.55-- FISHING AND HUNTING LICENSES ISSUED: 2010 TO 2018

[Fiscal years ending June 30]

Year	Freshwater fishing licenses	Hunting licenses
2010	5,678	10,427
2011	2,688	10,535
2012	2,759	10,738
2013	1,177	9,476
2014	4,648	10,673
2015	3,552	11,958
2016	4,707	11,929
2017	4,687	11,813
2018	4,788	11,956

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources and Division of Forestry and Wildlife, records.

Table 7.56-- HONOLULU MARATHON REGISTRANTS, FINISHERS AND WINNING TIMES: 1992 TO 2018

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
2016	28,664	20,235	2:09:37	2:31:10
2017	26,345	20,390	2:08:27	2:22:15
2018	25,065	19,773	2:09:01	2:36:22

Source: Honolulu Marathon Association, Honolulu Marathon Champions & Entrants/Finishers <<https://www.honolulumarathon.org/2018-results>> accessed January 14, 2019 and records. See also History & Statistics <<https://www.honolulumarathon.org/key-information/history-statistics>>.

Table 7.57-- IRONMAN TRIATHLON WORLD CHAMPIONSHIP PARTICIPANTS, FINISHERS AND WINNING TIMES: 1992 TO 2018

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
2016	2,316	2,207	8:06:30	8:46:46
2017	2,455	2,235	8:01:40	8:50:47
2018	2,472	2,307	7:52:39	8:26:18

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 to present <<http://www.ironman.com/triathlon/events/americas/ironman/world-championship/results.aspx#axzz5Eb18tzPL>> accessed on March 22, 2019.

**Table 7.58-- TRANSPACIFIC YACHT CLUB'S HONOLULU RACE ENTRIES
AND WINNING TIMES: 1985 TO 2017**

[Sponsored by the Transpacific Yacht Club of Los Angeles. 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
2017	49	7:01:20:10	8:03:01:28

Source: Transpac website <<http://www.transpacrace.com>> accessed May 17, 2018.

**Table 7.59-- TOTAL ATTENDANCE AT FOOTBALL BOWL GAMES:
2002-2003 TO 2018-2019 SEASONS**

Season	Hawaii Bowl		Pro Bowl 1/
	Tickets sold	Turnstile count	Tickets sold
2002-2003	35,513	(NA)	50,125
2003-2004	29,005	(NA)	50,127
2004-2005	39,754	(NA)	50,225
2005-2006	26,254	16,134	50,190
2006-2007	43,435	40,623	50,410
2007-2008	30,467	24,149	50,044
2008-2009	45,718	43,487	49,958
2009-2010	32,650	20,217	2/ 70,697
2010-2011	3/ 43,673	41,089	49,338
2011-2012	32,630	19,411	48,423
2012-2013	30,024	19,712	47,134
2013-2014	3/ 29,106	22,324	47,270
2014-2015	25,365	13,922	4/ 63,225
2015-2016	22,793	14,537	50,000
2016-2017	23,175	20,327	5/ 60,834
2017-2018	20,546	12,187	5/ 51,019
2018-2019	30,911	27,835	5/ (NA)

NA Not available.

1/ Turnstile count not available for Pro Bowl.

2/ Held in Miami, FL.

3/ Revised from previous *Data Book*.

4/ Held in Phoenix, AZ.

5/ Held in Orlando, FL.

Source: SoFi Hawai'i Bowl Results Archive, *Bowl Record Book* (annual) and Game Stats
<<https://www.thehawaiiibowl.com/history>> accessed January 29, 2019; Hawaii Athletics "UH Post-Game Notes (Hawai'i Bowl)" <<https://hawaiiathletics.com/sports/2018/12/23/uh-post-game-notes-hawai-i-bowl.aspx>> accessed January 29, 2019; Sports Pool, "Pro Bowl Venues and Attendance" <http://www.sportspool.com/football/pro_bowl/venues.php> accessed January 29, 2019; ESPN, Sponsor Recap <<http://espnspnsorrecaps.com/events/hawaii-bowl>> accessed January 29, 2019, and Hawai'i Bowl records.

Table 7.60-- VARSITY SPORTS SUMMARY FOR THE UNIVERSITY OF HAWAII AT MANOA: 2014-2015 TO 2017-2018

[For school year. Includes only games played against four-year collegiate teams]

Sports	Games played 1/				Home games	
	Total	Won	Lost	Tied	Home dates	Attendance
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
2015-2016						
Baseball	53	23	30	-	35	105,724
Basketball (men's)	34	28	6	-	20	141,637
Basketball (women's)	32	21	11	-	14	35,660
Football	13	3	10	-	7	164,031
Volleyball (men's)	28	16	12	-	17	61,180
Volleyball (women's)	31	29	2	-	19	131,187
2016-2017						
Baseball	51	28	23	-	35	105,743
Basketball (men's)	30	14	16	-	19	118,444
Basketball (women's)	30	12	18	-	16	60,432
Football	14	7	7	-	7	170,299
Volleyball (men's)	33	27	6	-	18	68,283
Volleyball (women's)	29	23	6	-	19	128,414
2017-2018						
Baseball	51	27	24	-	29	85,375
Basketball (men's)	30	17	13	-	20	115,879
Basketball (women's)	30	12	18	-	16	39,384
Football	12	3	9	-	6	145,463
Volleyball (men's)	27	19	8	-	17	65,546
Volleyball (women's)	28	20	8	-	19	121,523

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 7.61-- PUBLIC HIGH SCHOOL INTERSCHOLASTIC SPORTS:
2011-2012 TO 2017-2018 SEASONS**

[Data are for Oahu only (OIA)]

Sport	Players	Games 1/	Attendance	Expenditure 2/ (dollars)
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
2015-2016				
Baseball	Boys	(NA)	(NA)	25,917
Basketball	Boys and girls	582	27,515	121,588
Football	Boys	191	116,820	239,731
2016-2017				
Baseball	Boys	(NA)	(NA)	43,061
Basketball	Boys and girls	284	24,510	125,813
Football	Boys	182	93,607	242,152
2017-2018				
Baseball	Boys	(NA)	(NA)	40,778
Basketball	Boys and girls	294	26,671	134,492
Football	Boys	187	88,216	226,316

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 7.62-- PROFESSIONAL BOXING AND MIXED MARTIAL ARTS (MMA): 1993 TO 2018

Subject	Number of promoters	Number of shows	Paid attendance	Gross receipts (dollars)
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
2012-2016 1/	-	-	-	-
2017	1	1	(NA)	(NA)
2018	-	-	-	-
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	7	23	(NA)	(NA)
2015	7	19	(NA)	(NA)
2016	9	20	(NA)	(NA)
2017	8	25	(NA)	(NA)
2018	5	13	(NA)	(NA)

NA Not available.

1/ Pro boxing discontinued in 2011 and renewed in 2017.

Source: Hawaii State Department of Commerce and Consumer Affairs, Boxing Commission, records.

Table 7.63-- DOG LICENSES ISSUED, BY ISLAND: 1993 TO 2018

[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	42,904	2,167	3/ 3,978	54	26	2/ 32,970	4/ 3,709
2014	(NA)	6,504	3/ 4,034	(NA)	(NA)	2/ 32,474	1,595
2015	(NA)	4,609	3/ 3,701	(NA)	(NA)	2/ 30,983	3,345
2016	(NA)	8,203	3/ 3,520	(NA)	(NA)	2/ 30,560	1,370
2017	(NA)	7,804	3/ 4,086	(NA)	(NA)	2/ 30,692	2,893
2018	(NA)	5,738	3/ 4,061	(NA)	(NA)	2/ 28,961	(NA)

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. In previous years' versions of the *Data Book*, 2013 through 2017 were misreported as calendar year; they are for the fiscal year.

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: County Departments of Finance; Hawaiian Humane Society (for Oahu, 1995-2003); Maui Humane Society (for Maui from 1999 to present); and Kauai Humane Society (for Kauai from 2014 to present).

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

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

Narrative

<u>08.01</u>	Population of Voting Age, Registered Voters, and Votes Cast in General Elections: 2008 to 2018
<u>08.02</u>	Registered Voters and Votes Cast in Primary and General Elections, by County: 2018
<u>08.03</u>	Registered Voters and Votes Cast in Primary and General Elections: 1988 to 2018
<u>08.04</u>	Votes Cast for Candidates for Major Offices: Primary Election, August 11, 2018
<u>08.05</u>	Votes Cast by Party Ballot in Primary Elections: 1988 to 2018
<u>08.06</u>	Votes Cast by Party Ballot in Primary Election, by County: August 11, 2018
<u>08.07</u>	Number of Precincts, Registered Voters, and Votes Cast in General Election, by Island: November 6, 2018
<u>08.08</u>	Age and Sex of Registered Voters in General Election: November 6, 2018
<u>08.09</u>	Votes Cast for Major Offices: General Elections, 1990 to 2018
<u>08.10</u>	Votes Cast for the Office of Mayor: General Elections, 1994 to 2018
<u>08.11</u>	Votes Cast for Major Offices, by County: General Election, November 6, 2018
<u>08.12</u>	Neighborhood Board Elections, for Oahu: 1989 to 2019
<u>08.13</u>	Party Membership of the State Legislature: 1987 to 2019
<u>08.14</u>	Length of Legislative Sessions: 1992 to 2019
<u>08.15</u>	Legislative Bills and Resolutions, by Disposition: 2017 and 2018
<u>08.16</u>	Legislative Bills and Resolutions, by Disposition: 2019

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 8.01-- POPULATION OF VOTING AGE, REGISTERED VOTERS, AND VOTES CAST IN GENERAL ELECTIONS: 2008 TO 2018

Subject	2008	2010	2012 1/	2014 1/	2016 1/	2018 1/
Voting age population (1,000) 2/	1,004	1,060	1,086	1,110	1,122	1,117
Registered voters (1,000)	691	691	706	707	750	757
Percent	68.8	65.4	65.0	63.7	66.9	67.7
Votes cast (1,000)	456	385	437	370	438	399
Percent	66.0	55.8	61.9	52.3	58.4	52.7

1/ Census Bureau Annual Estimate of selected age groups used for the resident voting age population.

2/ Resident population 18 years and over, including Armed Forces stationed in Hawaii, aliens, and institutional population. November estimates for 2008; July estimates for others. 2014 and 2016 data revised from previous *Data Book*.

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, 2017 - Hawaii" (PEPAGESEX) (June 2018) <<http://factfinder.census.gov>> accessed May 28, 2019; U.S. Census Bureau, Population Division, "Estimates of the Total Resident Population and Resident Population Age 18 Years and Older for the United States, States, and Puerto Rico: July 1, 2018" (December 2018, Note Revised May 2019) <<https://www.census.gov/data/datasets/time-series/demo/popest/2010s-state-detail.html>> accessed May 28, 2019; and State of Hawaii, Office of Elections, Registration & Turnout Statistics <<http://elections.hawaii.gov/resources/registration-voter-turnout-statistics/>> accessed May 28, 2019.

Table 8.02-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND GENERAL ELECTIONS, BY COUNTY: 2018

Election, date and county	Registered voters 1/			Votes cast	
	Both sexes	Male	Female	Number	Percent of registered voters
PRIMARY ELECTION August 11, 2018					
State total	741,007	(NA)	(NA)	286,180	38.6
Hawaii	112,885	(NA)	(NA)	43,817	38.8
Maui	94,194	(NA)	(NA)	34,105	36.2
Honolulu	490,408	(NA)	(NA)	189,421	38.6
Kauai	43,520	(NA)	(NA)	18,837	43.3
GENERAL ELECTION November 6, 2018					
State total	756,751	(NA)	(NA)	398,657	52.7
Hawaii	115,406	(NA)	(NA)	59,482	51.5
Maui	96,721	(NA)	(NA)	50,650	52.4
Honolulu	500,163	(NA)	(NA)	262,700	52.5
Kauai	44,461	(NA)	(NA)	25,825	58.1

NA Not available.

1/ In 2018, gender data were not collected.

Source: State of Hawaii, Office of Elections, records.

Table 8.03-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND GENERAL ELECTIONS: 1988 TO 2018

Type and date of election	Registered voters 1/			Votes cast	
	Both sexes	Male	Female	Number	Percent of registered voters
PRIMARY ELECTIONS					
1988: Sept. 17 2/	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
2016: Aug. 13	726,940	346,603	380,337	252,725	34.8
2018: Aug. 11	741,007	(NA)	(NA)	286,180	38.6
GENERAL ELECTIONS					
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
2016: Nov. 8	749,917	357,498	392,419	437,664	58.4
2018: Nov. 6	756,751	(NA)	(NA)	398,657	52.7

NA Not available.

1/ In 2018, gender data were not collected.

2/ Distribution by gender as of September 1, 1988.

Source: State of Hawaii, Office of Elections, records.

**Table 8.04-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES:
PRIMARY ELECTION, AUGUST 11, 2018**

Office, party, and candidate	Votes 1/	Office, party, and candidate	Votes 1/
U.S. SENATOR		U.S. HOUSE, DISTRICT 1 (Con.)	
Democrat		Green	
Hirono, Mazie K.	201,679	Burd, Zachary B.	173
Republican		Libertarian	
Curtis, Ron	6,370	Tippens, Michelle Rose	150
Anderson, Consuelo	5,172		
Helsham, Robert C., Sr.	3,988	U.S. HOUSE, DISTRICT 2	
White, Thomas E.	3,661	Democrat	
De La Fuente, Rocky Mamaka	3,065	Gabbard, Tulsi	94,665
Berish, George L.	1,658	Alu Campagna, Sherry	13,947
Hodgkiss, Michael R.	1,576	Austin, Anthony Tony	4,692
Pirkowshi, Eddie	1,358		
Nonpartisan		Republican	
Reyes, Arturo Pacheco	441	Evans, Brian	12,337
Haverty, Charles (Charlie)	416		
Maertens, Matthew K.	303	GOVERNOR	
U.S. HOUSE, DISTRICT 1		Democrat	
Democrat		Ige, David Y.	124,572
Case, Ed	47,491	Hanabusa, Colleen Wakako	107,631
Chin, Doug S.	30,290	Carvalho, Ernest	5,662
Kim, Donna Mercado	21,563	Ka'ehu'ae'a, Wendell J.	2,298
Ing, Kaniela Saito	7,539	Kim, Richard Y.	1,576
Fukumoto, Beth Keiko	7,476	Tanabe, Van (Tanaban)	775
Martin, Ernest Yorihiro	3,827	Republican	
Puletasi, Sam	519	Tupola, Andria	17,297
Republican		Carroll, John	10,974
Cavasso, Cam	10,564	Lheureux, Ray	2,885
Vinole, Raymond Rene	2,342	Nonpartisan	
Nonpartisan		Teruya, Terrence K.	543
Griffin, Calvin C. (G)	266	Blackwell, Selina T.	497
Cipolla, John E.	187	El, Link	98
		Green	
		Brewer, Jim	454

Continued on next page.

**Table 8.04-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES:
PRIMARY ELECTION, AUGUST 11, 2018 -- Con.**

Office, party, and candidate	Votes 1/	Office, party, and candidate	Votes 1/
LIEUTENANT GOVERNOR		MAYOR, COUNTY OF MAUI	
Democrat			
Green, Josh	74,845	Victorino, Mike	13,556
Tokuda, Jill N.	68,124	Cochran, Elle	10,439
Carvalho, Bernard P., Jr.	45,825	Guzman, Don S.	8,190
Iwamoto, Kim Coco	34,243	Kopelman, Orion (Ori)	363
Espero, Will	15,463	Hawley, Alec John	160
		Hawkes, Beau E.	151
Republican		Zahnd, Laurent R.B. (L)	108
Kerns, Marlissa Dipasupil	9,758		
Lipscomb, Steve	9,543	MAYOR, COUNTY OF MAUI	
Low, Jeremy	8,232		
Nonpartisan		Kawakami, Derek S.K.	9,073
Robotti, Paul F.	536	Rapozo, Mel	4,147
Magaoay, Ernest G.	523	Yukimura, JoAnn A.	3,727
		Rapozo, Lenny	1,042
Green		Kekauaulua, Debra	171
Ing, Renee	444	Yago, Clint A., Sr.	133
		Mo Des, Ana	96

1/ Excludes blank and overvotes.

Source: State of Hawaii, Office of Elections, records and <<http://hawaii.gov/elections/results>> accessed June 2, 2019.

**Table 8.05-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTIONS:
1988 TO 2018**

Year	Total party ballots cast	Democratic	Republican	Other parties 1/	Nonpartisan	Invalid, blank, multiparty
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
2016	252,725	202,283	43,365	4,549	2,338	190
2018	286,180	247,932	32,610	3,236	2,060	342

1/ Includes special and overseas votes.

Source: State of Hawaii, Office of Elections, records.

**Table 8.06-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTION,
BY COUNTY: AUGUST 11, 2018**

Party	State total	County of Hawaii	County of Maui	City and County of Honolulu	County of Kauai
Total votes cast 1/	284,062	43,621	33,634	188,389	18,418
Libertarian	357	75	44	211	27
Green	619	116	135	318	50
Democratic	247,932	38,349	29,714	163,492	16,377
Nonpartisan	2,060	341	348	1,185	186
Republican	32,610	4,663	3,341	22,854	1,752
Constitution	142	28	23	81	10
Invalid, blank, multiparty	342	49	29	248	16

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 6, 2018

Island	Number of precincts	Registered voters	Votes cast 1/	Percent voting
State total	235	756,751	175,120	23.1
Hawaii	42	115,406	23,985	20.8
Maui	29	90,538	21,723	24.0
Lanai	1	1,813	509	28.1
Molokai: Molokai District	4	4,335	1,036	23.9
Kalawao District (Kalaupapa)	1	35	-	0.0
Oahu 2/	144	500,163	116,462	23.3
Kauai	15	44,385	11,405	25.7
Niihau	1	76	-	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 and <<http://hawaii.gov/elections/results>> accessed June 2, 2019.

**Table 8.08-- AGE AND SEX OF REGISTERED VOTERS IN GENERAL ELECTION:
NOVEMBER 6, 2018**

Age	Both sexes	Male 1/	Female 1/
All ages (except 16 or 17 years)	750,573	(NA)	(NA)
16 or 17 years 2/	10	(NA)	(NA)
18 or 19 years	8,581	(NA)	(NA)
20 to 29 years	94,351	(NA)	(NA)
30 to 39 years	120,059	(NA)	(NA)
40 to 49 years	115,255	(NA)	(NA)
50 to 64 years	200,083	(NA)	(NA)
65 years and over	212,244	(NA)	(NA)

NA Not available.

1/ In 2018, gender data were not collected.

2/ 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, 1990 TO 2018

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
PRESIDENT						
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
2016	428,937	Clinton, H.	266,891	Trump, D.	128,847	33,199
U.S. SENATOR						
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
2016	416,562	Schatz, B.	306,604	Carroll, J.	92,653	17,305
2018	388,351	Hirono, M.	276,316	Curtis, R.	112,035	-
U.S. REPRESENTATIVE, DISTRICT 1						
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

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**Table 8.09-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS,
1990 TO 2018 -- Con.**

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
U.S. REPRESENTATIVE, DISTRICT 1						
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	-
2016	202,357	Hanabusa, C. 4/	145,417	Ostrov, S.	45,958	10,982
2018	184,211	Case, E.	134,650	Cavasso, C.	42,498	7,063
U.S. REPRESENTATIVE, DISTRICT 2						
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. 5/	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
2016	210,516	Gabbard, T.	170,848	Kaaihue A.	39,668	-
2018	198,121	Gabbard, T.	153,271	Evans, B.	44,850	-
GOVERNOR						
1990	340,132	Waihee, J.	203,491	Hemmings, F.	131,310	5,331
1994	369,013	Cayetano, B.	134,978	Saiki, P.	107,908	6/ 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
2018	390,843	Ige, D.	244,934	Tupola, A.	131,719	14,190

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**Table 8.09-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS,
1990 TO 2018 -- Con.**

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 S. 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 won with 246,827 votes.

4/ Due to M. Takai's death on July 20, 2016, a special election was held during the general election on November 8, 2016 to fill his existing term until January 3, 2017. C. Hanabusa won with 129,083 votes. C. Hanabusa also won the general election for the next full term with 145,417 votes.

5/ Due to P. Mink's death on September 28, 2002, a special election was held on November 30, 2002 to fill her existing term. E. Case won with 23,576 votes. A special election for the next full term was held on January 4, 2003. E. Case won with 33,002 votes.

6/ 113,158 votes for F. Fasi (Best Party) and 12,969 votes for K. Dudley (Green Party).

Source: State of Hawaii, Office of Elections, records and <<http://elections.hawaii.gov/election-results/>> accessed June 2, 2019; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 8.10-- VOTES CAST FOR THE OFFICE OF MAYOR: GENERAL ELECTIONS, 1994 TO 2018

Election year	Total votes cast 1/	Top candidates				Other candidates: votes
		Winner		Runner-up		
		Candidate 2/	Votes	Candidate 2/	Votes	
CITY & COUNTY OF HONOLULU						
1994 3/ 1996 4/ 2000 5/	254,780	Harris, J.	146,034	Morgado, A.	108,746	-
2004 4/ 2008 4/	294,544	Hannemann, M.	147,949	Bainum, D.	146,595	-
2010 6/ 2012 4/	298,795	Hannemann, M.	172,997	Kobayashi, A.	125,798	-
2016 4/	292,454	Caldwell, K.	157,714	Cayetano, B.	134,740	-
	283,651	Caldwell, K.	147,941	Djou, C. K.	135,710	-
COUNTY OF HAWAII						
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/ 2008 4/	64,878	Kenoi, B.	37,368	Pilago, K. A.	27,510	-
2012 4/ 2016 8/	62,174	Kenoi, B.	31,806	Kim, H.	30,368	-
COUNTY OF MAUI						
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	-
2018 4/	49,302	Victorino, M.	27,112	Cochran, E.	22,190	-

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Table 8.10-- VOTES CAST FOR THE OFFICE OF MAYOR: GENERAL ELECTIONS, 1994 TO 2018 -- 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 9/						
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	-
2018 4/	24,771	Kawakami, D.	16,801	Rapozo, M.	7,970	-

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 percent 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, Harry Kim won with 20,636 votes.

9/ 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 June 2, 2019.

**Table 8.11-- VOTES CAST FOR MAJOR OFFICES, BY COUNTY:
GENERAL ELECTION, NOVEMBER 6, 2018**

[Excludes blank and overvotes]

Office, candidate and party 1/	County of Hawaii	County of Maui	City and County of Honolulu	County of Kauai
U.S. SENATOR				
Hirono, Mazie (D)	43,348	37,753	176,705	18,510
Curtis, Ron (R)	15,031	11,381	79,503	6,120
U.S. HOUSE, DISTRICT 1				
Case, Ed (D)	(X)	(X)	134,650	(X)
Cavasso, Cam (R)	(X)	(X)	42,498	(X)
Tippens, Michelle Rose (L)	(X)	(X)	3,498	(X)
Burd, Zachary B. (G)	(X)	(X)	2,214	(X)
Griffin, Calvin C. (N)	(X)	(X)	1,351	(X)
U.S. HOUSE, DISTRICT 2				
Gabbard, Tulsi (D)	45,237	39,906	48,434	19,694
Evans, Brian (R)	12,138	8,716	19,416	4,580
GOVERNOR				
Ige, David Y. (D)	38,301	34,142	158,623	15,868
Tupola, Andria (R)	17,953	14,702	90,929	8,135
Brewer, Jim (G)	1,847	1,857	5,789	630
Teruya, Terrence K. (N)	516	612	2,739	200

X Not applicable.

1/ C, Constitution; D, Democrat; G, Green; L, Libertarian; N, Nonpartisan and R, Republican.

Source: State of Hawaii, Office of Elections, records and <<http://elections.hawaii.gov/election-results/>>
accessed June 2, 2019.

**Table 8.12-- NEIGHBORHOOD BOARD ELECTIONS, FOR OAHU:
1989 TO 2019**

Year	Number of boards, Dec. 31 1/	Board seats elected	Ballots mailed 2/ 3/	Voters (ballots cast)
1989	30	438	273,954	91,285
1991	30	438	260,923	85,457
1993	30	444	279,392	97,476
1995	31	447	281,437	85,597
1997	32	456	273,768	83,278
1999	32	408	299,799	82,574
2001	32	454	223,636	69,134
2003	32	444	159,917	42,841
2005	32	444	194,282	48,487
2007	32	444	231,135	44,256
2009	33	445	115,000	7,289
2011	33	439	156,600	13,264
2013	33	439	177,882	15,318
2015	33	439	194,080	19,722
2017	33	437	226,433	21,283
2019	33	435	179,748	18,450

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. In 2017 and 2019 ballots were cast online or by mail. 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 2019**

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	-
2017	51	45	6	-	25	25	-	-
2018	51	46	5	-	25	25	-	-
2019	51	46	5	-	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 June 5, 2019.

Table 8.14-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2019

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
2017	Jan. 18	107	24/ Aug. 28	25/ 9
2018	Jan. 17	107	26/ July 9	27/ 4
2019	Jan. 16	107	(NA)	(NA)

Continued on next page.

Table 8.14-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2019 -- Con.

NA Not available.

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 John 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 Benjamin 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).

24/ The Second Special Session of 2017 convened on September 25 and the Third Special Session of 2017 convened on November 14.

25/ Combine length for the First Special Session (5 days), Second Special Session (2 days), and Third Special Session (2 days).

26/ The Second Special Session of 2018 convened on October 24.

27/ Combined length for the First Special Session (2 days) and Second Special Session (2 days).

Source: Legislative Reference Bureau, records.

Table 8.15-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2017 AND 2018

Action	Session						
	2017				2018		
	Regular	1st Special	2nd Special	3rd Special	Regular	1st Special	2nd Special
House bills							
Carried over from previous year	-	(X)	(X)	(X)	1,468	(X)	(X)
Introduced	1,601	-	-	-	1,153	-	-
Passed	133	-	-	-	134	-	-
Vetoed	6	-	-	-	1	-	-
Became law 1/	127	-	-	-	133	-	-
Senate bills							
Carried over from previous year	-	(X)	(X)	(X)	1,220	(X)	(X)
Introduced	1,317	4	-	-	1,107	-	-
Passed 2/	97	3	-	-	95	-	-
Vetoed	7	-	-	-	7	-	-
Became law 3/	90	3	-	-	87	-	-
House resolutions							
Offered	164	10	-	-	230	-	-
Adopted	67	7	-	-	65	-	-
House concurrent resolutions							
Offered	209	-	-	-	245	-	-
Adopted	33	-	-	-	25	-	-

Continued on next page.

Table 8.15-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2017 AND 2018 -- Con.

Action	Session						
	2017				2018		
	Regular	1st Special	2nd Special	3rd Special	Regular	1st Special	2nd Special
Senate resolutions							
Offered	97	3	1	1	146	1	1
Adopted	30	3	1	1	58	1	1
Senate concurrent resolutions							
Offered	178	-	-	-	194	-	-
Adopted	29	-	-	-	30	-	-

X Not applicable

1/ The 2017 total includes H.B. 83, 115, 116, 375, 471, 475, 523, 575, 591, 839, and 1258 which became law without the Governor's signature.

The 2018 total includes H.B. 1614, 1646, 1876, 2071, 2589, and 2601 which became law without the Governor's signature.

2/ The 2018 total includes S.B. 2922 which proposes a constitutional amendment.

3/ The 2017 total includes S.B. 376 and 724 which became law without the Governor's signature. The 2018 total includes S.B. 2027 and S.B. 2461 which became law without the Governor's signature.

Source: Legislative Reference Bureau, records.

Table 8.16-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2019

Action	Session	
	Regular	Special
House bills		
Carried over from previous year	(X)	(X)
Introduced	1,597	(NA)
Passed 1/	155	(NA)
Vetoed 2/	10	(NA)
Became law 3/	146	(NA)
Senate bills		
Carried over from previous year	(X)	(X)
Introduced	1,545	(NA)
Passed	148	(NA)
Vetoed	8	(NA)
Became law 4/	140	(NA)
House resolutions		
Offered	226	(NA)
Adopted	77	(NA)
House concurrent resolutions		
Offered	232	(NA)
Adopted	29	(NA)
Senate resolutions		
Offered	177	(NA)
Adopted	91	(NA)
Senate concurrent resolutions		
Offered	217	(NA)
Adopted	23	(NA)

X Not applicable.

NA Not available.

1/ The 2019 total counts H.B. 655 once however H.B. 655 HD1 became law as Act 36 and H.B. 655 HD1 SD1 was vetoed.

2/ The 2019 total includes H.B. 655 HD1 SD1 which was vetoed.

3/ The 2019 total includes H.B. 655 HD1, H.B. 1383, and H.B. 1433 which became law without the Governor's signature.

4/ The 2019 total includes S.B. 33, 78, 192, 381, 385, 409, 414, 464, 551, 767, 817, 976, and 1058 which became law without the Governor's signature.

Source: Legislative Reference Bureau, records.

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

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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.

**Table 9.01-- FEDERAL, STATE, AND COUNTY TAX COLLECTIONS:
1980 TO 2018**

[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	3,245,508	1,826,363	1,419,145	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	4,296,652	2,337,028	1,959,624	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	7,975,930	4,542,943	3,432,987	2,772,325	660,662
1993	8,033,353	4,489,142	3,544,211	2,829,710	714,501
1994	8,346,552	4,613,645	3,732,907	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/)	4,040,111	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/	13,959,224	6,511,578	7,447,646	5,516,146	1,931,500
2013 2/	15,183,048	7,139,728	8,043,320	6,092,893	1,950,427
2014 2/ 3/	15,845,254	7,722,840	8,122,414	6,052,795	2,069,619
2015 2/	16,930,818	8,221,290	8,709,528	6,485,563	2,223,965
2016 2/	18,051,299	8,811,882	9,239,417	6,919,035	2,320,382
2017 2/	(NA)	9,415,214	(NA)	7,029,026	(NA)
2018 2/	(NA)	9,591,724	(NA)	7,714,451	(NA)

Continued on next page.

**Table 9.01-- FEDERAL, STATE, AND COUNTY TAX COLLECTIONS:
1980 TO 2018 -- Con.**

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/ 'Total', 'State and local' and 'State' 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 2018 <<http://www.irs.gov/uac/SOI-Tax-Stats-IRS-Data-Book>> accessed June 20, 2019; U.S. Census Bureau, "State & Local Summary Tables by Level of Government - Hawaii" (annual from 2004) <<http://www.census.gov/govs/index.html>> accessed June 20, 2018; *Ibid.* "Annual Survey of State Government Tax Collections" (annual) <<http://www.census.gov/govs/statetax/>> accessed June 28, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.02-- FEDERAL TAX COLLECTIONS, BY SOURCE: 2014 TO 2018

[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	2014	2015	2016	2017	2018
Federal collections	7,722,840	8,221,290	8,811,882	9,415,214	9,591,724
Business income 1/	376,857	476,171	581,689	700,144	683,176
Individual income and employment	7,090,806	7,468,136	7,864,419	8,442,127	8,564,619
Income tax payments & SECA 2/	1,659,610	1,875,437	1,957,572	2,096,762	2,292,908
Estate and trust income tax	94,686	73,858	72,686	71,168	85,561
Income tax withheld & FICA 3/	5,320,158	5,501,597	5,816,881	6,255,294	6,167,632
Railroad retirement	-	-	-	-	-
Unemployment insurance	16,352	17,244	17,281	18,903	18,519
Estate	31,992	35,687	120,717	62,846	48,381
Gift	1,636	985	14,151	-543	2,011
Excise 4/	221,549	240,311	230,906	210,640	293,536

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. Previously 'Income tax not withheld & SECA'.

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 May 2, 2019.

Table 9.03-- STATE AND LOCAL GOVERNMENT REVENUES: 1992 TO 2017

[Data rounded to thousands of dollars. For fiscal year ending June 30. Duplicative intergovernmental transactions are excluded]

Year	State and 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
2006	11,998,548	9,856,552	2,378,623
2007	13,592,500	11,100,927	2,649,538
2008	11,968,775	9,298,617	2,909,935
2009	9,920,831	6,945,777	3,250,884
2010	14,665,662	11,609,211	3,285,202
2011	15,945,159	12,807,096	3,382,139
2012	13,889,393	10,600,634	3,532,607
2013	16,386,970	12,944,952	3,684,114
2014	18,613,655	15,055,561	3,795,610
2015 2/	16,817,992	13,065,465	3,979,610
2016	17,378,714	13,417,567	4,190,598
2017 3/	(NA)	16,136,298	(NA)

NA Not available.

1/ There are no state-by-state statistics available.

2/ 'State and local' and 'Local' revised from previous *Data Book*.

3/ "State Government Finances" is released separately in advance of State and Local Government Finances and is shown here as preliminary.

Source: U.S. Census Bureau, "State and Local Government Finances by Level of Government and by State" (annual) <<https://www.census.gov/govs/local/>> accessed July 11, 2019; and "State Government Finances: 2017" <<http://www.census.gov/govs/state/>> accessed July 11, 2019.

Table 9.04-- STATE GOVERNMENT TAX COLLECTIONS: 2014 TO 2018

[Data rounded to thousands of dollars. For fiscal year ending June 30]

Source	2014	2015	2016	2017	2018
Total taxes	6,052,795	6,485,563	6,919,035	7,029,026	7,714,451
Sales and gross receipts	3,847,662	4,082,196	4,315,902	4,365,856	4,732,032
General sales & gross receipts	2,825,041	2,992,707	3,206,154	3,239,225	3,529,065
Selective sales taxes	1,022,621	1,089,489	1,109,748	1,126,631	1,202,967
Alcoholic beverages 1/	48,305	50,281	50,590	51,167	51,383
Insurance premiums 1/	142,051	150,872	157,900	170,118	165,602
Motor fuels 1/	93,598	93,066	92,591	87,026	88,377
Public utilities 1/	166,179	163,481	152,760	122,159	117,641
Tobacco products	107,685	129,659	124,890	124,160	120,386
Other selective sales	464,803	502,130	531,017	572,001	659,578
Licenses	243,007	252,431	263,130	269,224	275,600
Corporation 1/	1,691	1,647	1,765	1,723	1,818
Hunting & fishing 1/	536	514	599	567	665
Motor vehicle 1/	168,980	178,663	186,742	187,986	191,757
Motor vehicle operators 1/	360	272	349	316	306
Public utility 1/	21,329	20,755	20,804	17,352	15,001
Occupation & business, NEC	38,023	39,372	41,566	48,633	53,544
Other licenses	12,088	11,208	11,305	12,647	12,509
Income taxes	1,871,506	2,060,164	2,224,299	2,280,441	2,576,863
Individual income	1,745,461	1,987,915	2,116,130	2,095,601	2,430,032
Corporation net income	126,045	72,249	108,169	184,840	146,831
Other taxes	90,620	90,772	115,704	113,505	129,956
Death and gift	14,789	12,071	49,613	18,968	29,351
Documentary & stock transfer	75,831	78,701	66,091	94,537	100,605

1/ 2016 data revised from previous *Data Book*.

Source: U.S. Census Bureau, "Annual Survey of State Government Tax Collections" (annual)

<<https://www.census.gov/programs-surveys/stc.html>> accessed June 28, 2019.

**Table 9.05-- STATE GOVERNMENT TAX COLLECTIONS FOR HAWAII
AND THE UNITED STATES: 2016**

[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. In thousands of dollars. United States revised from previous *Data Book*. The Census Bureau released revised data via American FactFinder on May 24, 2018 that have been superseded and not reflected in any Data Book]

Item	Hawaii	United States
Total taxes	6,919,035	930,875,000
Property taxes	(X)	18,315,142
Sales and gross receipts	4,315,902	442,941,788
General sales and gross receipts	3,206,154	293,245,571
Selective sales taxes	1,109,748	149,696,217
Alcoholic beverages	50,590	6,628,299
Amusements	(X)	7,618,581
Insurance premiums	157,900	20,453,309
Motor fuels	92,591	43,808,325
Pari-mutuels	(X)	123,427
Public utilities	152,760	13,159,202
Tobacco products	124,890	18,089,262
Other selective sales	531,017	39,815,812
Licenses	263,130	54,089,496
Alcoholic beverages	(X)	636,695
Amusements	(X)	548,851
Corporation	1,765	5,681,746
Hunting and fishing	599	1,592,489
Motor vehicle	186,742	25,574,579
Motor vehicle operators	349	2,618,199
Public utility	20,804	1,253,310
Occupation and business, NEC	41,566	14,759,165
Other licenses	11,305	1,424,462
Income taxes	2,224,299	390,415,623
Individual income	2,116,130	344,284,337
Corporation net income	108,169	46,131,286
Other taxes	115,704	25,112,951
Death and gift	49,613	5,134,027
Documentary and stock transfer	66,091	9,187,931
Severance	(X)	7,955,868
Taxes, NEC	-	2,835,125

X Not applicable.

Source: U.S. Census Bureau, 2016 State Government Tax Tables, Summary Tables " 2016 Annual Survey of State Government Tax Collections Detailed Table" <<https://www2.census.gov/programs-surveys/stc/tables/2016/FY2016-STC-Detailed-Table.xlsx>> accessed July 31, 2019.

**Table 9.06-- STATE GOVERNMENT TAX COLLECTIONS FOR
HAWAII AND THE UNITED STATES: 2017**

[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. United States data released on June 19, 2019 and revised from previous *Data Book*]

Item	Hawaii	United States
Total taxes	7,029,026	953,954,745
Property taxes	(X)	19,030,677
Sales and gross receipts	4,365,856	458,555,919
General sales and gross receipts	3,239,225	300,992,624
Selective sales taxes	1,126,631	157,563,295
Alcoholic beverages	51,167	6,626,413
Amusements	(X)	7,866,349
Insurance premiums	170,118	20,998,923
Motor fuels	87,026	45,062,362
Pari-mutuels	(X)	118,408
Public utilities	122,159	12,435,800
Tobacco products	124,160	18,673,794
Other selective sales	572,001	45,781,246
Licenses	269,224	51,675,414
Alcoholic beverages	(X)	667,103
Amusements	(X)	535,164
Corporation	1,723	5,863,547
Hunting and fishing	567	1,597,401
Motor vehicle	187,986	26,139,686
Motor vehicle operators	316	2,586,299
Public utility	17,352	1,369,746
Occupation and business, NEC	48,633	11,425,223
Other licenses	12,647	1,491,245
Income taxes	2,280,441	398,696,310
Individual income	2,095,601	353,484,673
Corporation net income	184,840	45,211,637
Other taxes	113,505	25,996,425
Death and gift	18,968	4,757,810
Documentary and stock transfer	94,537	9,770,350
Severance	(X)	8,721,660
Taxes, NEC	-	2,746,605

X Not applicable.

Source: U.S. Census Bureau, "2017 Annual Survey of State Government Tax Collections Detailed Table" <<https://www.census.gov/data/tables/2017/econ/stc/2017-annual.html>> accessed June 26, 2019.

**Table 9.07-- STATE GOVERNMENT TAX COLLECTIONS FOR
HAWAII AND THE UNITED STATES: 2018**

[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]

Item	Hawaii	United States
Total taxes	7,714,451	1,030,477,997
Property taxes	(X)	20,079,471
Sales and gross receipts	4,732,032	481,690,744
General sales and gross receipts	3,529,065	316,844,953
Selective sales taxes	1,202,967	164,845,791
Alcoholic beverages	51,383	6,793,992
Amusements	(X)	8,147,993
Insurance premiums	165,602	22,480,228
Motor fuels	88,377	48,318,521
Pari-mutuels	(X)	125,587
Public utilities	117,641	12,498,923
Tobacco products	120,386	19,486,800
Other selective sales	659,578	46,993,747
Licenses	275,600	57,262,592
Alcoholic beverages	(X)	716,269
Amusements	(X)	740,030
Corporation	1,818	5,899,938
Hunting and fishing	665	1,622,295
Motor vehicle	191,757	27,913,911
Motor vehicle operators	306	2,675,823
Public utility	15,001	1,311,816
Occupation and business, NEC	53,544	14,862,793
Other licenses	12,509	1,519,717
Income taxes	2,576,863	440,471,012
Individual income	2,430,032	392,333,453
Corporation net income	146,831	48,137,559
Other taxes	129,956	30,974,178
Death and gift	29,351	5,104,271
Documentary and stock transfer	100,605	10,235,926
Severance	(X)	12,625,265
Taxes, NEC	-	3,008,716

X Not applicable.

Source: U.S. Census Bureau, "2018 Annual Survey of State Government Tax Collections Detailed Table" <<https://www.census.gov/data/tables/2018/econ/stc/2018-annual.html>> accessed May 28, 2019.

Table 9.08-- ESTIMATED STATE AND LOCAL TAXES PAID BY A FAMILY OF THREE, FOR HONOLULU AND THE MEDIAN AND AVERAGE OF 51 MAJOR CITIES: 2014 TO 2017

[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 average 1/		51-city median	
	Taxes (dollars)	Percent of income	Rank 2/	Taxes (dollars)	Percent of income	Taxes (dollars)	Percent of income
2014							
25,000	3,744	15.0	4	2,747	11.0	2,763	11.1
50,000	3,083	6.2	43	4,205	8.4	4,109	8.2
75,000	4,866	6.5	43	6,436	8.6	6,364	8.5
100,000	7,184	7.2	40	8,903	8.9	9,068	9.1
150,000	10,863	7.2	39	13,469	9.0	13,612	9.1
2015							
25,000	4,427	17.7	2	2,772	11.1	2,800	11.2
50,000	3,059	6.1	46	4,315	8.6	4,279	8.6
75,000	5,160	6.9	43	6,822	9.1	6,732	9.0
100,000	7,332	7.3	41	9,409	9.4	9,474	9.5
150,000	11,263	7.5	40	14,297	9.5	14,318	9.5
2016							
25,000	3,970	15.9	2	2,411	9.6	2,382	9.5
50,000	3,498	7.0	42	4,439	8.9	4,368	8.7
75,000	5,804	7.7	41	7,099	9.5	6,802	9.1
100,000	8,154	8.2	39	9,553	9.6	9,179	9.2
150,000	12,547	8.4	39	14,670	9.8	14,393	9.6
2017							
25,000	4,088	16.4	2	2,659	10.6	2,631	10.5
50,000	3,651	7.3	39	4,533	9.1	4,378	8.8
75,000	7,338	9.8	22	7,199	9.6	7,075	9.4
100,000	8,205	8.2	39	9,642	9.6	9,391	9.4
150,000	12,539	8.4	41	14,774	9.8	14,496	9.7

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 April 1, 2019.

Table 9.09-- TAX FREEDOM DAY FOR THE UNITED STATES, EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2019

[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 16	(X)			
Alabama	April 5	5	Nebraska	April 12	24
Alaska	March 25	1	Nevada	April 18	33
Arizona	April 9	14	New Hampshire	April 19	35
Arkansas	April 8	12	New Jersey	April 30	49
California	April 20	38	New Mexico	April 8	12
Colorado	April 14	26	New York	May 3	50
Connecticut	April 25	46	North Carolina	April 11	22
Delaware	April 12	24	North Dakota	April 21	41
Florida	April 4	3	Ohio	April 14	26
Georgia	April 7	10	Oklahoma	March 30	2
Hawaii	April 23	43	Oregon	April 18	33
Idaho	April 6	8	Pennsylvania	April 16	30
Illinois	April 24	45	Rhode Island	April 25	46
Indiana	April 9	14	South Carolina	April 10	19
Iowa	April 5	28	South Dakota	April 7	10
Kansas	April 15	28	Tennessee	April 5	5
Kentucky	April 5	19	Texas	April 5	2
Louisiana	April 4	3	Utah	April 11	22
Maine	April 20	38	Vermont	April 22	42
Maryland	April 19	35	Virginia	April 16	30
Massachusetts	April 23	43	Washington	April 20	38
Michigan	April 16	30	West Virginia	April 10	19
Minnesota	April 25	46	Wisconsin	April 19	35
Mississippi	April 9	14	Wyoming	April 9	14
Missouri	April 9	14	District of Columbia	May 3	(2/)
Montana	April 6	8			

X Not applicable.

1/ Rank is among the 50 states where 50 indicates the earliest Tax Freedom Day in the year 2018.

2/ The District of Columbia is ranked 48 as if it were a state but it does not affect other state ranks.

Source: Tax Foundation, "Tax Freedom Day 2019 is April 16th" (April 10, 2019)

<<https://taxfoundation.org/publications/tax-freedom-day/>> accessed April 10, 2019.

**Table 9.10-- TAX FREEDOM DAY FOR HAWAII AND THE UNITED STATES:
1994 TO 2019**

[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 2013 report from 1992 onward, in the 2013 for 2010 to 2012, and shown in the 2019 for 2015 to 2018. No revisions for the states have been released, therefore, data may not be comparable year-to-year]

Year	Hawaii	United States	Hawaii rank 1/	Year	Hawaii	United States	Hawaii rank 1/
1994	April 24	April 22	12	2007	April 24	April 24	16
1995	April 22	April 23	24	2008	April 21	April 18	15
1996	April 24	April 25	20	2009	April 13	April 10	14
1997	April 23	April 27	30	2010	April 9	April 11	19
1998	April 24	April 29	34	2011	April 6	April 11	30
1999	April 24	April 29	33	2012	April 6	April 13	43
2000	April 27	May 1	28	2013	April 14	April 18	24
2001	April 24	April 27	24	2014	April 15	April 21	25
2002	April 17	April 17	18	2015	April 19	April 24	25
2003	April 15	April 14	12	2016 2/	April 19	April 22	26
2004	April 14	April 15	20	2017 2/	April 19	April 21	26
2005	April 21	April 21	17	2018 2/	April 20	April 16	38
2006	April 23	April 24	19	2019	April 23	April 16	43

1/ Rank is among the 50 states where 1 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.

2/ Tax Freedom Day for the United States was revised from previous *Data Book*.

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> accessed April 10, 2015; "Tax Freedom Day 2016 Arrives April 24th" <<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed April 6, 2016; "Tax Freedom Day 2017 Is April 23" (April 18, 2017) <<https://files.taxfoundation.org/20170418101758/Tax-Foundation-TFD-2017.pdf>> accessed (April 18, 2017); "Tax Freedom Day 2018 is April 19th" <<https://files.taxfoundation.org/20180411105322/Tax-Foundation-TFD-2018.pdf>> accessed April 11, 2018; "Tax Freedom Day 2019 is April 16th" (April 10, 2019) <<https://taxfoundation.org/publications/tax-freedom-day/>> accessed April 10, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.11-- 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 9.11-- 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 9.12-- 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	Per capita				
		Rank 1/	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
Hawaii	10.2	14	4,576	3,480	1,096	44,920
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 9.12-- 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/ 10	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 9.13-- STATE BUSINESS TAX CLIMATE INDEX RANK, OVERALL
AND BY COMPONENT: 2019**

[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, 2018, the beginning of Fiscal Year 2019]

State	Overall rank	Tax index rank				
		Corporate	Individual Income	Sales	Unemploy- ment Insurance	Property
Alabama	39	20	30	48	12	15
Alaska	2	25	1	5	35	23
Arizona	27	17	19	47	13	5
Arkansas	46	40	40	44	34	26
California	49	31	49	43	17	14
Colorado	18	16	14	38	40	12
Connecticut	47	29	43	30	23	50
Delaware	11	50	41	2	3	9
Florida	4	6	1	22	2	11
Georgia	33	8	38	29	38	24
Hawaii	38	14	47	24	26	16
Idaho	21	26	23	26	48	4
Illinois	36	39	13	36	42	45
Indiana	10	18	15	12	11	2
Iowa	45	48	42	19	33	39
Kansas	28	34	21	31	15	20
Kentucky	23	27	17	14	47	35
Louisiana	44	36	32	50	4	32
Maine	30	41	24	7	24	41
Maryland	40	22	45	18	28	42
Massachusetts	29	37	11	13	50	46
Michigan	13	11	12	11	49	22
Minnesota	43	42	46	27	25	31
Mississippi	31	15	27	35	5	36
Missouri	14	4	25	25	8	7
Montana	5	12	22	3	21	10
Nebraska	24	28	26	9	9	40
Nevada	9	33	5	40	45	8
New Hampshire	6	45	9	1	44	44
New Jersey	50	47	50	45	32	48
New Mexico	25	21	31	41	10	1
New York	48	7	48	42	31	47

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**Table 9.13-- STATE BUSINESS TAX CLIMATE INDEX RANK, OVERALL
AND BY COMPONENT: 2019 -- Con.**

State	Overall rank	Tax index rank				
		Corporate	Individual Income	Sales	Unemployment Insurance	Property
North Carolina	12	3	16	20	7	33
North Dakota	17	23	20	32	14	6
Ohio	42	46	44	28	6	13
Oklahoma	26	9	33	39	1	19
Oregon	7	30	36	4	37	17
Pennsylvania	34	43	18	21	46	34
Rhode Island	37	32	29	23	29	43
South Carolina	35	19	34	34	27	27
South Dakota	3	1	1	33	39	28
Tennessee	16	24	8	46	22	29
Texas	15	49	6	37	18	37
Utah	8	5	10	16	16	3
Vermont	41	38	37	15	20	49
Virginia	22	10	35	10	43	30
Washington	20	44	6	49	19	25
West Virginia	19	13	28	17	30	18
Wisconsin	32	35	39	8	41	21
Wyoming	1	1	1	6	36	38
Dist. of Columbia 1/	46	27	45	25	33	47

1/ Score and rank do not affect other areas.

Source: Tax Foundation, *2019 State Business Tax Climate Index*, Table 1 (September 26, 2018)

<<https://taxfoundation.org/publications/state-business-tax-climate-index/>> accessed June 21, 2019.

**Table 9.14-- STATE BUSINESS TAX CLIMATE SCORE AND INDEX:
2016 TO 2019**

[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. 2016 to 2018 data may differ from previous year due to enactment of retroactive statutes, backcasting of methodological changes or corrections]

Location	2016		2017		2018		2019	
	Index rank	Total score	Index rank	Total score	Index rank	Total score	Index rank	Total score
Alabama	38	4.69	37	4.77	37	4.73	39	4.61
Alaska	2	7.34	3	7.25	3	7.15	2	7.35
Arizona	27	5.08	26	5.10	25	5.09	27	5.00
Arkansas	46	4.25	43	4.36	43	4.35	46	4.28
California	48	3.91	48	3.91	48	3.88	49	4.00
Colorado	18	5.26	18	5.25	18	5.28	18	5.19
Connecticut	47	4.19	47	4.17	47	4.17	47	4.23
Delaware	11	5.53	16	5.34	16	5.34	11	5.55
Florida	4	6.78	4	6.82	4	6.82	4	6.86
Georgia	34	4.81	33	4.89	31	4.92	33	4.85
Hawaii	35	4.72	31	4.90	34	4.86	38	4.66
Idaho	26	5.10	25	5.10	23	5.11	21	5.12
Illinois	30	4.97	28	4.99	33	4.86	36	4.74
Indiana	10	5.58	9	5.73	9	5.75	10	5.70
Iowa	42	4.40	45	4.29	46	4.30	45	4.33
Kansas	25	5.11	24	5.11	28	5.04	28	4.99
Kentucky	37	4.70	38	4.66	39	4.69	23	5.10
Louisiana	39	4.68	44	4.31	44	4.32	44	4.34
Maine	33	4.82	35	4.87	30	4.97	30	4.95
Maryland	41	4.51	40	4.47	40	4.48	40	4.53
Massachusetts	28	4.99	29	4.98	27	5.04	29	4.98
Michigan	13	5.46	12	5.50	12	5.50	13	5.45
Minnesota	45	4.36	46	4.29	45	4.31	43	4.37
Mississippi	29	4.98	30	4.98	29	4.98	31	4.95
Missouri	16	5.29	15	5.36	15	5.34	14	5.38
Montana	5	6.25	5	6.22	5	6.21	5	6.30
Nebraska	21	5.14	23	5.12	26	5.08	24	5.06
Nevada	9	5.86	7	5.92	7	5.92	9	5.81
New Hampshire	6	5.99	6	5.97	6	5.99	6	6.06
New Jersey	50	3.51	50	3.51	50	3.44	50	3.20
New Mexico	24	5.11	27	5.09	24	5.11	25	5.06
New York	49	3.84	49	3.86	49	3.87	48	4.02
North Carolina	12	5.49	11	5.55	11	5.58	12	5.52
North Dakota	19	5.24	19	5.23	19	5.23	17	5.28

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**Table 9.14-- STATE BUSINESS TAX CLIMATE SCORE AND INDEX:
2016 TO 2019 -- Con.**

Location	2016		2017		2018		2019	
	Index rank	Total score	Index rank	Total score	Index rank	Total score	Index rank	Total score
Ohio	43	4.40	41	4.46	41	4.44	42	4.51
Oklahoma	23	5.12	21	5.16	21	5.13	26	5.05
Oregon	8	5.86	10	5.73	10	5.74	7	5.88
Pennsylvania	36	4.72	32	4.90	36	4.82	34	4.85
Rhode Island	40	4.53	39	4.50	38	4.70	37	4.71
South Carolina	31	4.90	34	4.88	32	4.89	35	4.83
South Dakota	3	7.33	2	7.34	2	7.34	3	7.27
Tennessee	17	5.27	14	5.41	14	5.42	16	5.30
Texas	14	5.46	13	5.48	13	5.46	15	5.37
Utah	7	5.88	8	5.88	8	5.89	8	5.83
Vermont	44	4.39	42	4.38	42	4.39	41	4.53
Virginia	22	5.13	22	5.13	22	5.12	22	5.11
Washington	15	5.31	17	5.32	17	5.31	20	5.18
West Virginia	20	5.23	20	5.18	20	5.17	19	5.18
Wisconsin	32	4.84	36	4.80	35	4.85	32	4.87
Wyoming	1	7.62	1	7.64	1	7.70	1	7.62
Dist. of Col. 1/	45	4.37	48	4.03	48	4.04	46	4.32

1/ Score and rank do not affect other areas.

Source: Tax Foundation, *2019 State Business Tax Climate Index*, Table 2 (September 26, 2018)
<<https://taxfoundation.org/publications/state-business-tax-climate-index/>> accessed June 24, 2019.

Table 9.15-- 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 9.16-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,
BY LEVEL OF GOVERNMENT: 2015**

[In thousands of dollars. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately]

Category	State & local	State	Local
Revenue 1/ 2/	16,817,992	13,065,465	3,979,610
General revenue 1/ 2	15,148,587	11,813,718	3,561,952
Intergovernmental revenue 1/	3,041,158	2,697,519	570,722
General revenue from own sources 2/	12,107,429	9,116,199	2,991,230
Taxes	8,709,528	6,485,563	2,223,965
Property	1,531,270	-	1,531,270
Sales and gross receipts	4,538,142	4,082,196	455,946
Individual income	1,987,915	1,987,915	-
Corporate income	72,249	72,249	-
Motor vehicle license	362,672	178,663	184,009
Other taxes	217,280	164,540	52,740
Charges & misc. general revenue 2/	3,397,901	2,630,636	767,265
Current charges 2/ 3/	2,393,734	1,715,453	678,281
Education	429,246	429,246	-
Hospitals	669,184	669,184	-
Air transportation (airports)	357,018	357,018	-
Sewerage	460,776	-	460,776
Miscellaneous general revenue	1,004,167	915,183	88,984
Utility revenue	417,658	-	417,658
Insurance trust revenue	1,251,747	1,251,747	-
Expenditure 1/ 2/	16,082,922	12,414,891	3,935,512
Intergovernmental expenditure 1/	382	267,863	-
Direct expenditure by function 2/	16,082,540	12,147,028	3,935,512
Direct general expenditure 2/	13,579,240	10,779,913	2,799,327
Capital outlay	1,585,642	999,997	585,645
Other direct general expenditure 2/	11,993,598	9,779,916	2,213,682
Education services 4/	3,271,803	3,271,727	76
Education	3,232,559	3,232,483	76
Libraries	39,244	39,244	-
Social services & income maint. 2/ 4/	3,987,238	3,881,299	105,939
Public welfare 2/	2,558,901	2,479,637	79,264
Hospitals	870,397	870,397	-
Health	553,329	526,654	26,675
Employment security administration	4,611	4,611	-
Veterans' services	-	-	-
Transportation 4/	1,327,349	1,036,921	290,428
Highways	839,332	549,795	289,537
Air transportation (airports)	417,823	417,823	-

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**Table 9.16-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,
BY LEVEL OF GOVERNMENT: 2015 -- Con.**

Category	State & local	State	Local
Public safety 4/	941,141	295,247	645,894
Police protection	457,226	37,958	419,268
Fire protection	221,498	-	221,498
Correction	217,301	217,301	-
Protective inspection and regulation	45,116	39,988	5,128
Environment and housing 4/	1,319,172	412,349	906,823
Natural resources	137,718	136,013	1,705
Parks and recreation	287,546	98,882	188,664
Housing and community development	270,523	177,437	93,086
Sewerage	370,127	17	370,110
Solid waste management	253,258	-	253,258
Governmental administration	790,822	481,448	309,374
Interest on general debt 2/	526,699	343,513	183,186
Gen. expend., not elsewhere classified 2/	1,415,016	1,057,409	357,607
Utility expenditure 4/	1,143,708	7,523	1,136,185
Water supply	323,306	7,523	315,783
Transit	820,402	-	820,402
Insurance trust expenditure	1,359,592	1,359,592	-
Debt outstanding	14,823,819	8,757,730	6,066,089
Short-term	87,660	-	87,660
Long-term	14,736,159	8,757,730	5,978,429
Public debt for private purposes	398,214	347,799	50,415
Long-term debt issued	2,520,933	1,377,681	1,143,252
Long-term debt retired	1,995,659	1,046,524	949,135
Cash and security holdings	23,529,687	20,516,627	3,013,060
Insurance trust funds	13,780,519	13,780,519	-
Unemployment compensation	435,459	435,459	-
Employee retirement	13,345,060	13,345,060	-
Workers' compensation & misc.	-	-	-
Other than insurance trust funds	9,749,168	6,736,108	3,013,060
Offsets to debt	905,426	798,831	106,595
Bond funds	562,661	297,924	264,737
Other	8,281,081	5,639,353	2,641,728

1/ Duplicative intergovernmental transactions are excluded.

2/ 'State & local' and 'Local' revised from previous *Data Book*.

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, "Table 1. State and Local Government Finances by Level of Government and by State: 2015" (revised December 19, 2018) <<http://www.census.gov/govs/local/>> accessed April 4, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,
BY LEVEL OF GOVERNMENT: 2016**

[In thousands of dollars. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately]

Category	State & local	State	Local
Revenue	17,378,714	13,417,567	4,190,598
General revenue 1/	16,439,708	12,919,296	3,749,863
Intergovernmental revenue 1/	3,326,658	2,943,334	612,775
General revenue from own sources	13,113,050	9,975,962	3,137,088
Taxes	9,239,417	6,919,035	2,320,382
Property	1,629,213	-	1,629,213
Sales and gross receipts	4,765,589	4,315,902	449,687
Individual income	2,116,130	2,116,130	-
Corporate income	108,169	108,169	-
Motor vehicle license	377,589	186,742	190,847
Other taxes	242,727	192,092	50,635
Charges & misc. general revenue	3,873,633	3,056,927	816,706
Current charges 2/	2,510,337	1,799,125	711,212
Education	450,294	450,294	-
Hospitals	650,377	650,377	-
Air transportation (airports)	384,560	384,560	-
Sewerage	487,551	-	487,551
Miscellaneous general revenue	1,363,296	1,257,802	105,494
Utility revenue	440,735	-	440,735
Insurance trust revenue	498,176	498,176	-
Expenditure 1/	16,217,724	12,191,854	4,160,421
Intergovernmental expenditure 1/	382	134,933	-
Direct expenditure by function	16,217,342	12,056,921	4,160,421
Direct general expenditure	13,627,195	10,671,728	2,955,467
Capital outlay	1,607,577	950,020	657,557
Other direct general expenditure	12,019,618	9,721,708	2,297,910
Education services 3/	3,422,034	3,422,024	10
Education	3,386,186	3,386,176	10
Libraries	35,848	35,848	-
Social services & income maint. 3/	4,031,636	3,905,968	125,668
Public welfare	2,855,188	2,758,279	96,909
Hospitals	625,576	625,576	-
Health	544,412	515,653	28,759
Employment security administration	6,460	6,460	-
Veterans' services	-	-	-
Transportation 3/	1,254,599	935,780	318,819
Highways	772,029	454,118	317,911
Air transportation (airports)	397,164	397,164	-

Continued on next page.

**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,
BY LEVEL OF GOVERNMENT: 2016 -- Con.**

Category	State & local	State	Local
Public safety 3/	963,175	309,067	654,108
Police protection	459,008	38,801	420,207
Fire protection	227,779	-	227,779
Correction	217,459	217,459	-
Protective inspection and regulation	58,929	52,807	6,122
Environment and housing 3/	1,368,574	390,714	977,860
Natural resources	179,601	167,785	11,816
Parks and recreation	305,562	63,280	242,282
Housing and community development	247,168	159,649	87,519
Sewerage	409,445	-	409,445
Solid waste management	226,798	-	226,798
Governmental administration	855,980	555,168	300,812
Interest on general debt	321,326	120,750	200,576
Gen. expend., not elsewhere classified	1,409,871	1,032,257	377,614
Utility expenditure 3/	1,204,954	-	1,204,954
Water supply	325,446	-	325,446
Transit	879,508	-	879,508
Insurance trust expenditure	1,385,193	1,385,193	-
Debt outstanding	15,383,314	9,216,583	6,166,731
Short-term	90,649	-	90,649
Long-term	15,292,665	9,216,583	6,076,082
Public debt for private purposes	388,990	339,445	49,545
Long-term debt issued	3,136,450	2,045,877	1,090,573
Long-term debt retired	2,582,626	1,587,024	995,602
Cash and security holdings	25,313,016	22,382,636	2,930,380
Insurance trust funds	14,664,877	14,664,877	-
Unemployment compensation	504,251	504,251	-
Employee retirement	14,160,626	14,160,626	-
Workers' compensation & misc.	-	-	-
Other than insurance trust funds	10,648,139	7,717,759	2,930,380
Offsets to debt	944,365	826,291	118,074
Bond funds	487,970	341,864	146,106
Other	9,215,804	6,549,604	2,666,200

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, "Table 1. State and Local Government Finances by Level of Government and by State: 2016" (December 19, 2018) <<http://www.census.gov/govs/local/>> accessed June 20, 2019.

Table 9.18-- HAWAII STATE GOVERNMENT FINANCES: 2014 TO 2017

[Amount in thousands of dollars. For fiscal year ending June 30]

Category	2014	2015	2016	2017
Total revenue	15,075,025	13,065,465	13,417,567	16,136,298
General revenue	11,323,888	11,813,718	12,919,296	13,451,636
Intergovernmental revenue	2,810,537	2,697,519	2,943,334	2,787,412
Total taxes	6,052,795	6,485,563	6,919,035	7,029,026
General sales & gross rec.	2,825,041	2,992,707	3,206,154	3,239,225
Selective sales & gross rec.	1,022,621	1,089,489	1,109,748	1,126,631
License	243,007	252,431	263,130	269,224
Individual income	1,745,461	1,987,915	2,116,130	2,095,601
Corporate net income	126,045	72,249	108,169	184,840
Other taxes	90,620	90,772	115,704	113,505
Current charges	1,664,748	1,715,453	1,799,125	1,896,868
Misc. general revenue	795,808	915,183	1,257,802	1,738,330
Liquor stores revenue 1/	(X)	(X)	95	(X)
Insurance trust revenue	3,751,137	1,251,747	498,176	2,684,662
Total expenditure 2/	12,548,539	12,337,211	12,191,854	12,680,681
General expenditure, by function 2/	11,214,800	11,047,776	10,806,661	11,191,735
Education	3,388,553	3,232,483	3,386,370	3,409,731
Public welfare 2/	2,585,280	2,480,019	2,760,118	2,984,204
Hospitals	821,973	870,397	627,076	619,245
Health	531,048	538,736	515,683	550,157
Highways	422,348	549,795	456,996	318,005
Police protection	37,362	38,254	38,801	44,877
Correction	216,708	217,301	266,716	228,646
Natural resources	115,926	136,924	176,518	161,860
Parks and recreation	92,890	99,041	71,879	84,206
Government administration	504,362	487,579	563,903	595,200
Interest on general debt	383,224	343,513	120,750	113,918
Other and unallocable	2,115,126	2,053,734	1,821,851	2,081,686
Utility expenditure	5,151	7,523	(X)	(X)
Insurance trust revenue	1,328,588	1,281,912	1,385,193	1,488,946
Exhibit: General expenditure 2/	11,214,800	11,047,776	10,806,661	11,191,735
Intergovernment expenditure	255,885	267,863	134,933	328,020
Direct expenditure 2/	10,958,915	10,779,913	10,671,728	10,863,715
Debt outstanding, long- & short-term	8,426,573	8,757,730	9,216,583	9,656,278
Cash and security holdings	19,176,589	20,516,627	22,382,636	24,623,403

X Not applicable.

1/ Hawaii has no state-operated liquor stores. Contacted Census Bureau for clarification re: 2016.

2/ 2016 revised from previous *Data Book*.

Source: U.S. Census Bureau, "State Government Finances: 2014" (SG21400A1) (June 9, 2017);
 Ibid. 2015 (SG1500A1) (June 9, 2017); Ibid. 2016 (SG1600A1) (March 22, 2018); Ibid. 2017
 (May 3, 2019) <<https://www.census.gov/programs-surveys/state.html>> accessed July 3, 2019.

Table 9.19-- STATE GOVERNMENT EXPENDITURES, GOVERNMENTAL FUNDS, BY FUNCTION: 2014 TO 2018

[In thousands of dollars. For fiscal year ending June 30. Table reflects changes in fund balances, governmental funds]

Function	2014	2015	2016	2017	2018
Total expenditures	9,829,887	10,254,158	10,628,399	11,362,828	12,130,012
Current	9,092,589	9,519,843	9,868,287	10,582,072	11,344,344
General government	543,129	573,820	673,236	701,083	807,032
Public safety	519,954	484,960	479,047	531,545	579,980
Highways	403,559	455,563	389,744	461,523	609,538
Conservation of nat'l resources	108,703	145,516	181,563	180,697	157,639
Health	828,088	855,797	876,820	873,703	827,592
Welfare	2,945,370	3,192,807	3,349,414	3,442,279	3,495,974
Lower education	2,603,774	2,619,156	2,828,013	2,973,583	3,226,275
Higher education	693,292	761,837	673,217	899,199	950,843
Other education	21,766	21,664	23,379	27,248	23,827
Culture and recreation	107,846	96,676	101,351	104,655	104,964
Urban redev. & housing	65,228	71,384	54,446	63,807	124,292
Econ. devel. & assistance	158,379	176,919	159,483	179,127	167,614
Housing	63,683	48,565	58,381	133,010	256,386
Other	29,818	15,179	20,193	10,613	12,388
Debt service	737,298	734,315	760,112	780,756	785,668
Principal	458,983	444,791	444,791	484,274	464,518
Interest and others	278,315	289,524	315,321	296,482	321,150

Source: Hawaii State Department of Accounting and General Services, *Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2018* (p. 154)
 <<http://ags.hawaii.gov/accounting/annual-financial-reports/>> accessed January 28, 2019, and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 9.20-- STATE GOVERNMENT REVENUES, GOVERNMENTAL FUNDS: 2014 TO 2018

[In thousands of dollars. For fiscal year ending June 30. Table reflects changes in fund balances, governmental funds]

Function	2014	2015	2016	2017	2018
Total revenues	9,125,004	9,737,152	10,309,851	10,516,019	11,316,814
Total taxes	5,698,633	6,109,130	6,450,508	6,610,703	7,189,827
General excise	2,816,346	3,021,418	3,192,469	3,189,599	3,553,975
Net income - corp. & personal	1,840,963	2,047,327	2,157,879	2,286,017	2,456,674
Public service companies	166,179	163,481	152,760	122,159	117,641
Transient accommodations	188,721	202,345	233,082	299,712	304,521
Tobacco and liquor	155,990	165,137	161,239	160,906	157,988
Liquid fuel	88,707	88,449	89,702	84,933	85,211
Insurance companies' premiums	139,074	147,767	154,690	166,836	162,318
Vehicle weight and registration	124,686	125,113	130,051	132,974	135,080
Rental motor/tour					
vehicle surcharge	42,853	51,941	54,873	53,189	54,846
Franchise	38,983	19,930	14,691	11,174	15,712
Other	96,131	76,222	109,072	103,204	145,861
Non-taxes	3,426,371	3,628,022	3,859,343	3,905,316	4,126,987
Interest and investment (loss) income	13,163	16,024	22,564	30,676	36,527
Charges for current services	363,791	384,380	431,181	460,211	477,717
Intergovernmental	2,650,876	2,803,989	2,995,768	2,938,557	2,878,717
Rentals	31,846	31,127	32,371	35,530	35,466
Fines, forfeitures, and penalties	33,087	37,201	35,738	39,203	38,767
Licenses and fees	47,209	42,463	45,738	46,893	47,066
Revenues from private sources	112,916	121,366	126,450	105,857	184,661
Other	173,483	191,472	169,533	248,389	428,066

Source: Hawaii State Department of Accounting and General Services, *Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2018* (p. 154)
<http://ags.hawaii.gov/accounting/annual-financial-reports/> accessed January 28, 2019, and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 9.21-- 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	3,533,454	2,412,211	1,083,084	38,159
General revenue	3,193,742	2,195,211	960,372	38,159
Intergovernmental revenue	538,734	314,318	205,926	18,490
From Federal gov't	299,649	218,849	80,784	16
From State gov't	238,238	95,055	125,142	18,041
From local gov'ts	847	414	-	433
Gen. rev. from own sources	2,655,008	1,880,893	754,446	19,669
Taxes	1,931,500	1,316,440	615,060	-
Property	1,310,590	813,319	497,271	-
Sales & gross receipts	414,034	341,519	72,515	-
General sales tax	190,665	190,665	-	-
Selective sales	223,369	150,854	72,515	-
Motor fuel	71,905	49,225	22,680	-
Public utilities	151,464	101,629	49,835	-
Motor vehicle license	167,918	139,322	28,596	-
Other taxes	38,958	22,280	16,678	-
Charges & misc. gen. rev.	723,508	564,453	139,386	19,669
Current charges	647,766	525,888	120,990	888
Highways	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	424,245	363,594	60,651	-
Solid waste mgt.	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>>.

Source: U.S. Census Bureau, "Table 2. Local Government Finances by Type of Government and State: 2011 - 12" (revised December 9, 2016) <<http://www2.census.gov/govs/local/12slsstab2a.xls>> accessed January 3, 2017.

Table 9.22-- LOCAL GOVERNMENT EXPENDITURES: 2012

[Data are 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/
Expenditure	3,400,148	2,324,071	1,032,822	43,255
Intergov't expenditure	11	-	-	11
Direct expenditure	3,400,137	2,324,071	1,032,822	43,244
Current operations	2,237,075	1,380,219	814,137	42,719
Capital outlay	953,812	768,394	184,893	525
Construction	840,592	685,570	155,017	5
Other capital outlay	113,220	82,824	29,876	520
Interest on debt	209,250	175,458	33,792	-
Exhibit: Salaries and wages	820,618	464,555	346,051	10,012
Direct expenditure by function	3,400,137	2,324,071	1,032,822	43,244
Direct general expenditure	2,474,797	1,553,966	877,587	43,244
Capital outlay	515,429	367,467	147,437	525
Other direct general exp.	1,959,368	1,186,499	730,150	42,719
Education services	-	-	-	-
Education	-	-	-	-
Elem. & secondary	-	-	-	-
Libraries	-	-	-	-
Social serv. & inc. maint.	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	255,270	125,559	129,711	-
Highways	254,708	124,997	129,711	-
Capital outlay	135,321	83,730	51,591	-
Parking facilities	562	562	-	-
Public safety	559,882	347,810	212,072	-
Police protection	358,771	242,433	116,338	-
Fire protection	194,866	105,377	89,489	-
Prot. insp. & regulation	6,245	-	6,245	-

Continued on next page.

Table 9.22-- LOCAL GOVERNMENT EXPENDITURES: 2012 -- Con.

Subject	Total	City & County of Honolulu	Other counties	Special district 1/
Environment and housing	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	267,601	224,214	43,387	-
Capital outlay	123,137	117,585	5,552	-
Solid waste mgt'ment	298,861	242,963	55,898	-
Capital outlay	101,002	98,191	2,811	-
Gov't admin.	327,065	124,093	202,972	-
Financial admin.	64,242	34,225	30,017	-
Judicial and legal	64,265	23,540	40,725	-
General public bldgs	91,625	35,435	56,190	-
Other gov't admin.	106,933	30,893	76,040	-
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	2,951,351	1,849,902	743,069	358,380
Other than insurance trust funds	2,951,351	1,849,902	743,069	358,380
Offsets to debt	71,593	40,789	30,804	-
Bond funds	171,577	47,323	124,254	-
Other	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>>.

Source: U.S. Census Bureau, "Table 2. Local Government Finances by Type of Government and State: 2011 - 12" (revised December 9, 2016) <<http://www2.census.gov/govs/local/12slsstab2a.xls>> accessed January 3, 2017.

**Table 9.23-- NUMBER OF EXEMPTIONS AND ADJUSTED GROSS INCOME
REPORTED ON INDIVIDUAL FEDERAL INCOME TAX RETURNS:
TAX YEARS 1990 TO 2016**

Tax year	Number of returns	Number of exemptions 1/	Adjusted gross income (less deficit)		
			Total (\$1,000)	Per return (dollars)	Per exemption 1/ (dollars)
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
2014	681,840	1,289,380	39,689,089	58,209	30,782
2015	688,570	1,291,950	41,845,278	60,771	32,389
2016	685,270	1,272,260	42,823,217	62,491	33,659

1/ Exemptions for age or blindness included since 1981. "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. This allows comparability across the period except 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*, 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 5, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.24-- ADJUSTED GROSS INCOME AND INCOME TAX, BY SIZE OF ADJUSTED GROSS INCOME, FOR INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEAR 2015 AND 2016

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)
2015					
All returns	2/ 688,570	41,845,278	3/ 526,240	5,362,397	10,190
Under \$1 4/	11,920	-792,777	1,840	4,241	2,305
\$1 under \$50,000	400,390	9,212,581	255,260	510,441	2,000
\$50,000 under \$75,000	99,590	6,114,326	94,480	542,280	5,740
\$75,000 under \$100,000	64,480	5,585,833	63,140	563,479	8,924
\$100,000 under \$200,000	89,260	11,973,355	88,600	1,530,870	17,278
\$200,000 under \$500,000	19,600	5,466,263	19,580	1,068,642	54,578
\$500,000 or more	3,340	4,285,697	3,330	1,142,444	343,076
2016					
All returns	2/ 685,270	42,823,217	2/ 530,430	5,578,986	10,518
Under \$1 4/	12,120	-821,002	1,770	7,246	4,094
\$1 under \$50,000	391,030	9,087,185	253,260	517,515	2,043
\$50,000 under \$75,000	100,910	6,193,163	96,050	557,941	5,809
\$75,000 under \$100,000	65,240	5,656,525	64,010	579,315	9,050
\$100,000 under \$200,000	91,860	12,360,800	91,260	1,588,519	17,407
\$200,000 under \$500,000	20,520	5,742,059	20,490	1,127,472	55,025
\$500,000 or more	3,600	4,604,487	3,600	1,200,978	333,605

1/ Filed in following year.

2/ Published sum is 10 lower than sum of components.

3/ Published sum is 10 higher than sum of components.

4/ Includes returns with adjusted gross deficit. Beginning with 2011 shown explicitly in 'Under \$1'.

Source: U.S. Treasury Department, Internal Revenue Service, "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 16, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.25-- FEDERAL INDIVIDUAL INCOME TAX RETURNS, SELECTED INCOME AND TAX ITEMS:
TAX YEAR 2014 TO 2016**

[In number and thousands of dollars. Does not include deleted ZIP codes and may not be strictly comparable to other IRS state 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 - 2014	669,610	1,272,140	40,295,816	553,300	27,531,633	222,190	236,890	513,720	4,891,386
1 under 25,000	229,860	313,110	2,853,927	175,250	2,228,262	38,770	17,941	111,090	100,451
25,000 under 50,000	175,510	324,850	6,377,676	154,040	5,316,040	41,350	21,877	145,740	398,367
50,000 under 75,000	98,030	207,290	6,024,014	82,570	4,557,976	39,540	26,644	92,720	524,908
75,000 under 100,000	62,830	152,370	5,446,019	53,140	3,977,735	32,230	24,083	61,490	540,097
100,000 under 200,000	82,790	220,850	11,081,669	71,360	7,714,540	53,360	53,856	82,110	1,412,437
200,000 or more	20,590	53,670	8,512,511	16,940	3,737,080	16,940	92,489	20,570	1,915,126
Total - 2015	676,540	1,274,850	42,272,793	556,470	28,943,946	220,320	242,304	524,260	5,249,139
1 under 25,000	222,830	296,700	2,748,939	167,910	2,141,285	37,240	17,733	106,790	98,430
25,000 under 50,000	177,500	321,920	6,462,197	155,450	5,401,576	39,590	21,399	148,390	411,883
50,000 under 75,000	99,580	205,850	6,113,868	83,670	4,653,968	38,130	24,151	94,470	542,210
75,000 under 100,000	64,470	153,530	5,585,066	54,080	4,082,686	31,480	24,290	63,130	563,347
100,000 under 200,000	89,310	237,020	11,991,735	76,490	8,467,161	55,320	53,544	88,650	1,534,721
200,000 or more	22,850	59,830	9,370,988	18,870	4,197,270	18,560	101,187	22,830	2,098,548
Total - 2016	673,030	1,255,160	43,372,883	551,460	29,626,781	221,690	246,780	528,510	5,523,341
1 under 25,000	214,170	279,920	2,635,838	158,880	2,037,684	36,880	17,674	103,490	97,253
25,000 under 50,000	176,780	313,350	6,449,911	154,810	5,409,778	38,950	20,407	149,680	420,116
50,000 under 75,000	100,900	203,800	6,192,582	84,750	4,744,765	38,100	24,383	96,050	557,861
75,000 under 100,000	65,230	152,330	5,655,217	54,630	4,149,287	31,540	25,627	63,990	579,172
100,000 under 200,000	91,900	242,840	12,373,457	78,500	8,776,360	56,810	57,604	91,290	1,590,953
200,000 or more	24,050	62,920	10,065,878	19,890	4,508,907	19,410	101,085	24,010	2,277,986

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 (annual)

<<https://www.irs.gov/statistics/soi-tax-stats-individual-income-tax-statistics-zip-code-data-soi>> accessed April 2, 2019.

**Table 9.26-- FEDERAL INDIVIDUAL INCOME TAX RETURNS, SELECTED INCOME AND TAX ITEMS,
BY SELECTED ZIP CODES: TAX YEAR 2016**

[Money amounts in thousands of dollars. State total does not include deleted ZIP code totals, such as those ZIP Codes with fewer than 100 returns, a single building or identified as nonresidential. 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	673,030	1,255,160	369,900	43,372,883	551,460	29,626,781	221,690	246,780	528,510	5,523,341
96816	26,140	43,380	10,120	2,443,596	19,860	1,260,563	11,580	19,439	21,450	402,577
96734	22,900	43,740	11,950	1,987,639	18,250	1,297,489	9,760	14,249	18,980	291,508
96821	9,760	17,440	4,140	1,341,326	6,840	691,134	5,730	13,660	8,250	256,555
96744	27,460	50,370	13,780	2,007,391	21,980	1,369,584	11,340	8,860	22,660	255,984
96825	15,330	28,730	7,310	1,590,457	11,440	937,496	8,120	12,302	13,100	250,730
96822	21,190	33,660	7,040	1,629,021	16,360	1,007,523	9,240	14,435	17,640	246,245
96789	26,470	52,000	15,520	1,996,415	22,170	1,468,330	11,630	6,789	22,180	235,943
96817	28,120	49,370	13,630	1,554,763	22,620	1,049,173	8,820	8,750	21,120	199,189
96701	20,900	37,130	9,550	1,488,379	16,600	985,725	9,040	7,559	17,260	193,256
96797	36,610	70,870	22,720	1,941,023	32,480	1,584,838	10,030	4,345	28,230	187,201
96706	32,290	67,950	23,860	1,930,598	29,350	1,648,011	8,170	3,044	25,170	182,669
96813	13,970	22,580	5,010	1,097,822	11,180	727,097	5,560	9,870	11,550	172,297
96815	14,820	22,270	3,630	1,073,561	11,490	674,113	5,410	10,112	12,550	161,623
96814	11,250	17,530	3,290	906,770	8,760	546,775	4,330	7,535	9,350	154,838
96707	20,170	41,170	13,840	1,361,785	18,230	1,111,617	5,570	2,868	16,180	151,340
96720	22,610	42,790	13,200	1,224,703	17,880	814,015	7,830	6,520	16,520	139,788
96818	22,000	47,670	16,360	1,282,299	19,430	1,036,513	7,080	3,832	17,140	127,587
96782	18,500	33,840	9,220	1,107,420	14,340	750,361	7,290	5,506	14,960	119,605
96819	23,920	45,720	15,340	1,127,832	20,800	871,329	5,460	4,476	17,230	112,522
96740	13,590	25,340	7,160	860,900	10,660	508,879	4,160	9,317	10,610	111,148

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 2015" <<https://www.irs.gov/statistics/soi-tax-stats-individual-income-tax-statistics-zip-code-data-soi>> accessed April 2, 2019.

Table 9.27-- SELECTED CHARACTERISTICS OF INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEAR 2015 AND 2016

Subject	2015		2016	
	Number of returns	Amount (\$1,000)	Number of returns	Amount (\$1,000)
All returns and adj. gross income (AGI) 1/	688,570	41,845,278	685,270	42,823,217
Salaries and wages	559,090	29,216,879	553,970	29,705,770
Taxable interest income	224,400	288,279	225,840	337,557
Ordinary dividends	137,680	834,221	135,700	845,067
Business or prof. net income (less loss)	106,720	1,749,553	109,530	1,754,947
Farm returns	5,610	(NA)	5,540	(NA)
Net capital gain (less loss)	115,420	2,146,273	113,220	2,472,336
Taxable indiv. retire. arrangements distrib.	64,300	1,046,096	65,670	1,075,838
Taxable pensions and annuities	140,490	3,940,056	140,020	3,966,931
Unemployment compensation	24,440	125,610	21,610	112,834
Taxable social security benefits	98,970	1,480,365	100,970	1,536,664
Self-employment (keogh) retirement plans	5,470	120,822	5,540	124,865
Exemptions	1,291,950	(NA)	1,272,260	(NA)
Itemized deductions	201,110	5,303,756	205,750	5,461,038
State and local income taxes	171,210	1,563,731	174,370	1,619,987
State and local general sales tax	23,490	23,265	24,700	25,950
Real estate taxes	154,930	354,775	157,580	386,375
Total taxes paid	200,040	1,981,499	204,650	2,071,934
Home mortgage interest paid	141,980	1,810,552	143,840	1,821,701
Charitable contributions	161,050	656,041	163,170	670,923
Taxable income	546,770	29,131,594	547,940	30,065,367
Total tax credits	217,710	329,144	211,530	314,937
Residential energy tax credit	15,050	59,409	12,790	44,223
Child tax credit	104,070	130,495	102,030	128,303
Child (and dependent) care credit	29,260	15,107	28,810	15,073
Earned income credit	110,700	239,484	104,330	223,222
Excess earned income credit (refundable)	92,900	211,803	86,740	195,894
Alternative minimum tax	14,750	98,433	15,510	106,174
Total tax payments	648,360	6,393,773	644,730	6,635,377
Income tax (before credits)	543,170	5,311,465	498,090	5,211,357
Tax liability	526,240	5,362,397	530,430	5,578,986
Tax due at time of filing	139,010	610,575	137,220	613,502
Overpayments (negative amount)	500,380	1,381,479	498,050	1,384,637

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 2015 <<https://www.irs.gov/pub/irs-soi/15in12hi.xlsx>> accessed February 26, 2018, and Ibid. Tax Year 2016 <<https://www.irs.gov/pub/irs-soi/16in12hi.xlsx>> accessed April 2, 2019.

Table 9.28-- INTERNAL REVENUE SERVICE OPERATIONS: 2014 TO 2018

[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	2014	2015	2016	2017	2018
Total number of returns filed	1,108,736	1,123,626	1,123,282	1,126,627	1,140,767
Individual income tax	675,858	682,348	687,716	687,190	693,732
Estate and trust income tax	14,129	14,669	14,374	13,434	14,014
Partnership tax	12,239	12,641	12,883	13,026	13,045
Corporate income tax 1/	27,299	27,661	27,423	26,806	27,238
Estate tax	163	213	182	178	211
Gift tax	1,515	1,168	1,184	1,167	1,226
Employment taxes	120,548	119,688	120,176	119,965	121,682
Excise taxes	1,332	1,341	1,289	1,301	1,316
Other 2/	255,653	263,897	258,055	263,560	268,303
Total no. of returns filed electronically	632,712	660,297	683,631	698,448	721,560
Individual income tax	530,129	548,765	564,772	567,815	579,399
Estate and trust income tax	8,777	9,410	9,784	9,157	9,845
Partnership tax	6,400	7,055	7,930	8,364	8,937
Corporate income tax 1/	12,006	13,030	14,225	14,704	16,113
Employment taxes	27,695	30,947	33,798	38,118	42,013
Other 3/	47,705	51,090	53,122	60,290	65,253
Total number of refunds issued	536,883	541,056	546,574	545,207	547,216
Business income tax	2,097	2,182	1,952	1,931	1,970
Individual income tax 4/	528,732	532,548	538,437	537,273	539,671
Employment taxes	5,798	6,016	5,878	5,743	5,295
Estate tax	18	25	(D)	(D)	(D)
Gift tax	8	9	(D)	(D)	(D)
Excise taxes	230	276	283	229	246
Total amount of refunds issued (\$1,000)	1,452,114	1,443,955	1,512,841	1,462,267	1,475,394
Business income tax	87,680	110,568	107,204	65,289	60,660
Individual income tax 4/	1,354,430	1,324,862	1,397,640	1,379,735	1,393,161
Employment taxes	5,962	5,917	5,476	9,456	7,188
Estate tax	1,348	2,181	(D)	(D)	(D)
Gift tax	10	75	(D)	(D)	(D)
Excise taxes	2,685	351	715	964	12,266

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/ Tax-exempt organizations; for 2011 and beyond also includes supplemental documents; 2014 and beyond also includes excise taxes.

4/ For 2011 to 2018, 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 May 2, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.29-- RESIDENT INDIVIDUAL STATE INCOME TAX RETURNS:
TAX YEARS 1980 TO 2005 AND 2012 TO 2016**

Year income was received	Number of resident returns	Adjusted gross income 1/ (\$1,000)	Taxable income (\$1,000)	Tax liability (\$1,000)
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
2014	618,366	30,854,325	26,194,790	1,785,873
2015	624,765	34,006,946	28,137,078	1,937,065
2016	630,021	35,483,582	29,119,858	1,955,048

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 A-1 (2005 and 2012 to 2015) and for 1994 to 2005 and 2012 to 2016
<http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed April 2, 2019.

**Table 9.30-- NONRESIDENT INDIVIDUAL STATE INCOME TAX RETURNS:
TAX YEARS 1980 TO 2005 AND 2012 TO 2016**

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
2014	85,182	937,171	1,757,436	116,197
2015	92,301	1,261,341	2,024,110	137,201
2016	94,592	1,366,405	2,279,047	148,319

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)

<http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed April 2, 2019.

Table 9.31-- SELECTED DATA ON RESIDENT TAX RETURNS WITH AT LEAST ONE AGE EXEMPTION: TAX YEAR 2014 TO 2016

[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 resumed series does not include all the detailed data in the 2005 and earlier reports]

Item	Total	Taxable returns	Nontaxable returns
2014			
Number of tax returns	133,783	68,460	65,323
Hawaii adjusted gross income (AGI)	4,669	5,198	-529
Standard deductions	160	67	93
Itemized deductions	1,390	800	590
Taxable income	4,102	4,102	(X)
Tax liability before credits	294	294	(X)
Tax liability after credits	1/ 248	256	-8
Number of taxpayers over 65	129,328	64,843	64,485
Number of taxpayers' spouses over 65	48,548	25,753	22,795
2015			
Number of tax returns	138,354	71,561	66,793
Total age exemptions	184,026	94,893	89,133
Total age exemptions cost	203	102	102
Hawaii adjusted gross income (AGI)	5,446	5,718	-272
Standard deductions	148	67	81
Itemized deductions	1,515	882	632
Taxable income	4,528	4,528	(X)
Tax liability before credits	329	329	(X)
Tax liability after credits	282	290	-8
Number of taxpayers over 65	133,668	67,743	65,925
Number of taxpayers' spouses over 65	50,358	27,150	23,208
2016			
Number of tax returns	142,821	74,064	68,757
Total age exemptions	190,032	98,210	91,822
Total age exemptions cost	210	105	105
Hawaii adjusted gross income (AGI)	5,930	6,029	-98
Standard deductions	156	69	87
Itemized deductions	1,785	976	808
Taxable income	4,722	4,722	(X)
Tax liability before credits	324	324	(X)
Tax liability after credits	282	290	-8
Number of taxpayers over 65	137,829	70,007	67,822
Number of taxpayers' spouses over 65	52,203	28,203	24,000

X Not applicable.

1/ Unpublished Hawaii State Department of Taxation correction.

Source: Hawaii State Department of Taxation, *Hawaii Individual Income Tax Statistics Tax Year* (annual) table 7 <http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed April 2, 2019 and records; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.32-- SOURCES OF INCOME REPORTED BY NONRESIDENT TAXPAYERS: TAX YEARS 1999 TO 2005, 2015 AND 2016

[In thousands of 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 to 2014 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 of income	2015	2016	Percent change 2015 to 2016
Total	1,376,175	1,422,672	3.4
Salaries and wages	1,157,507	1,143,157	-1.2
Ordinary dividends	21,937	26,698	21.7
Interests	23,754	22,231	-6.4
Business income	43,049	44,001	2.2
Rents, partnerships, and estates	197,383	222,494	12.7
Unemployment compensation	7,119	6,366	-10.6
Pensions and annuities	14,520	15,367	5.8
Capital gain, supplemental gain, and other	-116,161	-81,855	29.5
All other sources	27,067	24,213	-10.5

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* (annual) and http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/ accessed April 2, 2019.

Table 9.33-- STATE INCOME TAX RESIDENT RETURNS ON INCOME RECEIVED DURING 2016, 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	630,021	35,483,582	29,119,858	1,955,048
Taxable resident returns	524,099	35,757,238	29,119,858	1,955,048
Under \$5,000	14,458	52,040	16,104	240
\$5,000 under \$10,000	34,941	264,573	133,767	3,179
\$10,000 under \$20,000	71,575	1,072,885	695,822	27,244
\$20,000 under \$30,000	70,587	1,762,017	1,309,679	64,796
\$30,000 under \$40,000	63,783	2,223,517	1,731,913	95,974
\$40,000 under \$50,000	51,200	2,292,948	1,812,732	107,215
\$50,000 under \$75,000	79,456	4,864,493	3,845,122	240,294
\$75,000 under \$100,000	49,157	4,262,031	3,370,679	221,157
\$100,000 under \$150,000	50,281	6,078,947	4,875,809	335,197
\$150,000 under \$200,000	19,336	3,309,822	2,697,922	194,632
\$200,000 under \$300,000	11,048	2,623,510	2,325,063	175,052
\$300,000 and over	8,277	6,950,455	6,305,248	490,068
Nontaxable resident returns	105,922	-273,656	(X)	(X)
Loss	13,407	-716,803	(X)	(X)
Under \$5,000	68,719	76,562	(X)	(X)
\$5,000, under \$10,000	11,358	80,858	(X)	(X)
\$10,000 and over	12,438	285,728	(X)	(X)

X Not applicable.

1/ Includes returns with negative adjusted gross income.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns, Individuals, Tax Year 2016* (December 2018), table A-1 <http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed April 2, 2019.

Table 9.34-- 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 to 2015 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> accessed March 13, 2008.

Table 9.35-- TAX CREDITS CLAIMED, BY TYPE OF CREDIT AND BY TYPE OF TAXPAYER: 2016

[In thousands of dollars]

Type of credit	Total	Individuals	Corporations	Financial corporations	Insurance underwriters	Fiduciaries	Exempt organizations
Total	289,112	149,571	95,163	23,834	17,298	3,068	179
Active tax credits							
Promote social welfare							
Refundable food/excise	30,773	30,773	(X)	(X)	(X)	(X)	(X)
Low-income household renters	2,726	2,726	(X)	(X)	(X)	(X)	(X)
Child and dependent care expenses	10,053	10,053	(X)	(X)	(X)	(X)	(X)
Child passenger restraint systems	70	70	(X)	(X)	(X)	(X)	(X)
Employment of vocational rehabilitation referrals	14	(D)	(D)	-	-	-	-
Low-income housing	23,541	285	(D)	(D)	8,356	-	-
School repair & maintenance	-	-	-	-	-	-	-
Lifeline telephone service	48	(X)	(X)	(X)	(X)	(X)	(X)
Encourage certain industries or econ. activities							
Fuel credit for commercial fishers	373	308	65	-	-	-	-
Motion picture, digital media & film production	31,902	919	30,983	-	-	-	-
Renewable energy technologies 1/	85,799	46,381	32,364	6,183	-	761	111
Enterprise zone	748	660	(D)	-	-	(D)	-
Ethanol facility	-	-	-	-	-	-	-
Important agricultural lands qualified agricultural cost	1,375	(D)	(D)	-	-	-	-
Research activities	3,102	588	(D)	-	-	(D)	-
Capital infrastructure	1,431	1,431	-	-	-	-	-
Cesspool upgrade, conversion or connection	19	19	-	-	-	-	-
Avoid double taxation or pyramiding of taxes							
Capital goods excise	34,715	7,543	23,592	3,168	-	345	68
Income tax paid to another state or foreign country	43,428	41,621	(X)	(X)	(X)	1,806	(X)
Expired tax credits							
Promote social welfare							
Individual development account contribution	(D)	(D)	-	-	-	-	-
Encourage certain industries or econ. activities							
High technology business investment	16,331	5,510	1,758	-	8,942	121	-
Energy conservation	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)
Hotel construction & remodeling	1,213	(D)	(D)	-	-	-	-
Technology infrastructure renovation	(D)	(D)	-	-	-	-	-
Residential construction & remodeling	1,490	(D)	(D)	-	-	-	-

D Data in the cell were suppressed to prevent potential disclosure of confidential taxpayer information but are included in the total.

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: 2016* (December 2018), pp. 8, 27 and 33

<<http://files.hawaii.gov/tax/stats/stats/credits/2016credit.pdf>> accessed April 2, 2019.

**Table 9.36-- GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS:
2017 AND 2018**

[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	
	2017	2018	2017	2018
All sources	100,048,177	111,630,450	3,349,822	3,426,525
Sources taxed at 4 percent	74,878,617	83,148,813	2,995,145	3,325,953
Retailing	32,727,278	36,356,218	1,309,091	1,454,249
Services	15,097,644	16,663,348	603,906	666,534
Contracting	8,384,358	9,455,622	335,374	378,225
Theater, amusement, radio, etc.	460,606	506,574	18,424	20,263
Interest & all others	3,444,984	3,551,783	137,799	142,071
Commissions	1,331,517	1,389,772	53,261	55,591
Hotel rentals	5,186,494	5,644,187	207,460	225,767
All other rentals	7,276,281	8,458,997	291,051	338,360
Use	969,456	1,122,311	38,778	44,892
Sources taxed at other rates 1/	25,169,559	28,481,637	123,987	139,828
Insurance solicitors	531,747	737,336	798	1,106
Producing	346,653	317,715	1,733	1,589
Manufacturing	733,105	607,793	3,666	3,039
Wholesaling	15,729,763	18,125,575	78,649	90,628
Services (intermediary)	949,174	865,518	4,746	4,328
Use	6,879,118	7,827,699	34,396	39,138
Unallocated net collections	(2/)	(2/)	230,691	-39,255

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, 2018" (Monthly 03-20-19) <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed April 29, 2019.

Table 9.37-- TOBACCO TAX COLLECTIONS: 1994 TO 2018

[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, 2018" issued by the Department of Taxation <<http://files.hawaii.gov/tax/news/pubs/18outline.pdf>>]

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
2016	114,328,717	\$0.16 as of July 1, 2011	8,760,847
2017	113,751,773	\$0.16 as of July 1, 2011	9,495,673
2018	107,379,133	\$0.16 as of July 1, 2011	10,173,533

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/> accessed May 21, 2019.

Table 9.38-- LIQUOR TAX COLLECTIONS: 1990 TO 2018

[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, 2018" issued by the Department of Taxation <<http://files.hawaii.gov/tax/news/pubs/18outline.pdf>>]

Year	Total	Year	Total	Year	Total
1990	42,094	2000	39,887	2010	44,961
1991	40,125	2001	39,379	2011	48,433
1992	40,983	2002	38,497	2012	48,612
1993	38,286	2003	42,149	2013	49,197
1994	38,753	2004	43,426	2014	49,451
1995	37,486	2005	43,594	2015	50,509
1996	38,624	2006	47,001	2016	51,245
1997	38,624	2007	44,705	2017	51,107
1998 1/	38,361	2008	47,568	2018	51,798
1999	37,139	2009	45,332		

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, beginning with the 1997, <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed May 21, 2019.

**Table 9.39-- STATE AND LOCAL SALES AND USE TAX REVENUE LOSSES
FROM E-COMMERCE FOR HAWAII AND THE UNITED STATES: 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						
Hawaii	149.5	111.4	38.2	149.5	111.4	38.2
U.S. (incl. Dist. of Col.)	29,176.8	21,931.2	7,245.6	29,176.8	21,931.2	7,245.6
2008						
Total state and local						
Hawaii	159.4	118.7	40.7	159.8	119.0	40.8
U.S. (incl. Dist. of Col.)	31,112.6	23,386.3	7,726.3	31,190.6	23,444.9	7,745.7
2009						
Total state and local						
Hawaii	143.4	106.8	36.6	154.8	115.3	39.5
U.S. (incl. Dist. of Col.)	27,992.3	21,040.8	6,951.4	30,212.3	22,709.6	7,502.7
2010						
Total state and local						
Hawaii	177.9	132.5	45.4	204.7	152.4	52.2
U.S. (incl. Dist. of Col.)	34,713.2	26,092.7	8,620.4	39,945.1	30,025.4	9,919.7
2011						
Total state and local						
Hawaii	209.2	155.8	53.4	233.6	174.0	59.6
U.S. (incl. Dist. of Col.)	40,815.2	30,679.5	10,135.8	45,596.1	34,273.1	11,323.1
2012						
Total state and local						
Hawaii	235.1	175.1	60.0	261.0	194.4	66.6
U.S. (incl. Dist. of Col.)	45,876.6	34,483.9	11,392.7	50,937.9	38,288.3	12,649.6

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/ecom/ecom0409.pdf>> accessed September 1, 2011; and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 9.40-- REAL PROPERTY TAX VALUATIONS: 1986 TO 2019

[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	314,906,372	(2/)	(2/)	272,081,895
2017	335,175,378	(2/)	(2/)	290,790,922
2018	352,857,297	(2/)	(2/)	306,934,602
2018	375,492,094	(2/)	(2/)	327,431,256

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 2018-2019" <<https://www.realpropertyhonolulu.com/rpa-report/>> accessed January 19, 2019; and earlier reports; and reports as the Department of Finance.

**Table 9.41-- REAL PROPERTY TAX VALUATION FOR THE STATE,
2016 TO 2019, AND BY COUNTY, 2019**

[In thousands of dollars, unless otherwise noted. For fiscal year ending June 30. Gross valuations exclude nontaxable (government) properties]

Subject	2016	2017	2018	2019
Assessor's gross valuation 1/ 2/	314,906,372	335,175,378	352,857,297	375,492,094
Land	(3/)	(3/)	(3/)	(3/)
Improvement	(3/)	(3/)	(3/)	(3/)
Exemptions 1/	41,157,593	42,524,978	44,360,747	46,162,974
Assessor's net taxable valuation	273,748,781	292,650,400	308,496,548	329,329,120
Half of valuation on appeal	1,666,887	1,859,478	1,561,946	1,897,864
Number of appeals	3,991	4,569	3,398	2,508
Valuation for tax rate purposes	272,081,895	290,790,922	306,934,602	327,431,256
Land	(3/)	(3/)	(3/)	(3/)
Improvement	(3/)	(3/)	(3/)	(3/)
Amount to be raised by taxation	1,615,518	1,737,349	1,888,035	2,029,839
2019, by county	Honolulu	Maui	Hawaii	Kauai
Assessor's gross valuation 1/ 2/	257,987,135	55,854,383	38,499,855	23,150,721
Land	(3/)	22,905,524	14,978,257	(4/)
Improvement	(3/)	32,948,859	23,521,598	(4/)
Exemptions 1/	30,070,244	6,542,703	6,403,005	3,147,021
Assessor's net taxable valuation	227,916,890	49,311,679	32,096,850	20,003,700
Half of valuation on appeal	1,274,905	463,088	70,853	89,018
Number of appeals	1,413	765	203	127
Valuation for tax rate purposes	226,641,985	48,848,592	32,025,997	19,914,682
Land	(3/)	21,547,267	14,038,292	(4/)
Improvement	(3/)	27,301,325	17,987,705	(4/)
Amount to be raised by taxation	1,265,017	318,911	310,239	135,672

1/ Beginning in 1993, data exclude nontaxable properties.

2/ 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. Assessed value for 2017 as of January 28, 2016 for Honolulu; February 18, 2016 for Kauai; April 19, 2016, for Maui; and April 21, 2015 for Hawaii County. Assessed value for 2018 as of January 27, 2017 for Honolulu; February 22, 2017 for Kauai; April 19, 2017 for Hawaii; and May 16, 2017 for Maui County. Assessed value for 2019 as of January 27, 2018 for Honolulu; February 22, 2018 for Kauai; April 14, 2018 for Hawaii; and May 16, 2018 for Maui 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 2018-2019" and individual county valuations

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed January 19, 2019; and earlier reports, and reports as the Department of Finance.

Table 9.42-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE: 2018 AND 2019

[For fiscal year ending June 30]

Type of exemption	2018		2019	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
All exemptions, Statewide	275,380	81,374,164	269,659	85,488,803
Federal government	651	8,338,540	652	9,223,181
State government	8,258	18,720,102	8,259	20,134,610
County government	3,998	7,206,843	4,013	7,784,907
Government leases - total	136	103,407	124	156,250
Government leases - portion	134	156,265	133	65,963
Hawaiian Homes Commission	1,861	1,235,282	1,828	1,258,217
Hawaiian Homes Land - basic	1,950	374,442	1,359	252,152
Hawaiian Homes Land - multiple	125	21,020	767	165,138
Hawaiian Homes Land - total land	6,406	2,410,675	6,467	2,553,317
Hawaiian Homes Land - vacant land	243	25	299	31
Hawaiian Homes - 7 year	300	128,386	219	102,881
Homes - fee (basic)	182,230	21,365,518	163,698	18,219,132
Homes - fee (multiple)	3,449	382,906	55,055	7,737,242
Homes - leasehold (basic)	41,821	4,645,684	3,441	384,925
Homes - leasehold (multiple)	1,175	183,566	1,060	167,583
In lieu of home ex - fee	888	160,902	435	81,100
In lieu of home ex - lease	55	10,117	24	4,480
Income exemption 2/	1,343	155,029	1,347	155,992
Blind	338	9,916	316	9,204
Deaf	134	3,999	2,191	85,241
Hansen's (formerly Leprosy)	3	75	3	75
Totally disabled	4,685	160,491	2,586	72,348
Totally disabled veterans	2,319	1,345,313	2,467	1,499,000
Cemeteries	110	61,994	110	62,519
Charitable organizations	1,558	3,018,423	1,619	3,424,117
Childcare	20	1,000	19	950
Child care center, non-profit	6	40,029	6	43,318
Child care center, for-profit	10	18,766	9	24,161
Churches	1,570	2,841,794	1,562	3,025,811
Civil - condemnation	24	31,051	25	35,459
Credit unions	120	238,723	122	275,940
Crop shelters	29	3,579	29	2,267
Enterprise Zone	3	1,067	1	132
Foreign consulates	31	45,825	31	46,739

Continued on next page.

**Table 9.42-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE:
2018 AND 2019 -- Con.**

Type of exemption	2018		2019	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
Forest reserve	5	6,578	5	6,577
Historic residential properties	361	609,231	380	671,827
Historic commercial properties	8	23,456	11	29,795
Kuleana	143	86,233	144	89,782
Hospitals	136	1,006,414	138	1,157,124
Landscaping, open-space	24	18,955	25	21,401
Low-moderate income housing	343	2,822,770	276	2,898,613
Public utilities	788	1,472,728	785	1,553,724
Roadways and waterways	7,199	45,094	7,241	47,730
Safe room	61	2,440	63	2,520
Schools	234	1,456,197	231	1,546,253
Setbacks	1	456	1	511
Slaughterhouse	1	2,608	1	2,473
Taro	53	92	42	72
Tree farm	17	32,270	17	32,554
Miscellaneous	10	7,639	10	6,231
Alternate energy	8	348,740	8	348,641
Commercial alternative energy	4	10,484	5	18,595
Commercial alter. energy - in lieu	1	1,025	-	-
Mult. bldg. pcl. income exemption	-	-	-	-

1/ Includes government parcels at actual value and exemptions on federal leases, if any.

2/ In 2018, was called "Additional home exemption".

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/rpa-report/>> accessed January 19, 2019.

Table 9.43-- REAL PROPERTY TAX VALUATION, BY LAND USE CLASS: 2019

[In thousands of dollars. For fiscal year ending June 30. Assessed value for 2019 as of January 27, 2018 for Honolulu; February 22, 2018 for Kauai; April 14, 2018 for Hawaii; and May 16, 2018 for Maui County. All counties use the land use class unless footnoted otherwise]

Land use class	Gross valuation 1/	Net valuation	Valuation for tax rate	To be raised by taxation
All classes	375,492,094	329,329,120	327,431,256	2,029,839
Affordable rental 2/	255,604	254,908	254,908	1,568
Residential	206,575,787	181,751,910	181,476,464	735,179
Residential A 3/	21,264,487	20,409,412	20,335,095	129,413
Tier 1	(X)	(X)	11,911,610	53,602
Tier 2	(X)	(X)	8,423,485	75,811
Apartment 2/ 4/	11,554,898	11,296,811	11,263,687	96,511
Commercial	29,827,051	26,000,864	25,468,428	292,769
Industrial	15,408,990	14,257,761	13,972,358	159,158
Agricultural/native forest	13,418,098	12,309,330	12,166,171	92,954
Vacant agricultural 3/	46,330	46,330	46,330	394
Conservation/preservation	1,669,128	1,510,737	1,424,090	10,492
Hotel and resort	21,673,222	21,571,001	21,190,824	258,408
Homeowner 2/ 4/	28,885,748	18,793,548	18,776,744	77,676
Homestead 5/	6,725,195	4,558,352	4,557,027	13,899
Public service 3/	1,081,313	31	31	-
Commercialized residential 4/	198,097	198,097	197,032	896
Vacation rental 5/	3,056,309	3,049,664	3,045,128	29,995
Time share 4/	2,271,896	2,271,896	2,242,684	34,560
Residential investor 5/	1,525,679	1,384,519	1,371,846	11,043
Commercialized home use 5/	1,467,458	1,077,396	1,077,302	5,440
Short term rental 4/	8,586,805	8,586,555	8,565,108	79,484

1/ Excludes nontaxable properties.

2/ Hawaii County category.

3/ City and County of Honolulu category. Residential A combines Tier 1 (tax rate \$4.50) and Tier 2 (\$9.00).

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 by Year, "Statewide Real Property Tax Valuation for Fiscal Year 2018-2019" and individual county valuations

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed January 19, 2019; and calculations by Department of Business, Economic Development & Tourism.

Table 9.44-- MAJOR REAL PROPERTY TAXPAYERS, FOR THE CITY AND COUNTY OF HONOLULU: 2012

[For fiscal year ending June 30]

Rank	Taxpayer	Original debit 1/ (dollars)	Land area (acres)	Gross assessed value 2/ (dollars)
	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 MMD, 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 9.45-- RESIDENTIAL PROPERTY TAX RATES IN HONOLULU AND
THE MEDIAN OF 51 MAJOR CITIES: 1985 TO 2017**

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
2015	1.34	0.35	50	0.35	100.0
2016	1.40	0.35	50	0.35	100.0
2017	1.40	0.35	51	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 April 1, 2019.

Table 9.46-- REAL PROPERTY TAX RATES, BY COUNTY: 2019

[In dollars per \$1,000 net taxable value. For fiscal year ending June 30]

Class	Honolulu	Kauai
Property 1/		
Residential	3.50	6.05
Vacation rental	(X)	9.85
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 Tier 1	4.50	(X)
Tier 2	9.00	(X)
Residential investor	(X)	8.05
Commercialized home use	(X)	5.05
Class	Maui	Hawaii
Building and land		
Residential	5.52	11.10
Apartment	6.31	11.70
Commercial	7.25	10.70
Industrial	7.45	10.70
Agricultural 2/	6.00	9.35
Conservation	6.35	11.55
Hotel and resort	9.37	11.55
Homeowner	2.85	6.15
Time share	15.41	(X)
Commercialized residential	4.55	(X)
Affordable rental housing	(X)	6.15
Short term rental	9.28	(X)

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 & Fiscal Services, Real Property Assessment Division, Real Property Tax Valuations, Tax Rates, & Exemptions by Year, "Real Property Tax Rates in Hawaii Fiscal Year July 1, 2018 to June 30, 2019"

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed January 19, 2019.

Table 9.47-- 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 9.48-- 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 9.49- PER CAPITA DIRECT FEDERAL EXPENDITURE IN HAWAII AND THE UNITED STATES, BY TYPE: 2008 TO 2010

[For fiscal year ending September 30. Direct expenditures exclude federal assistance such as loans and insurance]

Category	Hawaii (dollars)	United States (dollars)	Hawaii as percent of U.S.	Hawaii rank 1/
Total 2008 2/	11,651.37	9,041.50	128.87	6
Retirement and disability	3,006.35	2,667.33	112.71	16
Other direct payments	1,758.16	2,062.78	85.23	34
Grants	1,772.16	1,868.49	94.84	23
Procurement	1,906.50	1,619.90	117.69	11
Salaries and wages	3,208.20	823.01	389.81	2
Department of Defense	4,740.92	1,574.13	301.18	3
All other Federal agencies	6,910.45	7,467.38	92.54	35
Total 2009 2/ 3/	14,658.53	10,426.50	140.59	(4/)
Retirement and disability	3,259.44	2,869.99	113.57	(4/)
Other direct payments	2,020.29	2,573.03	78.52	(4/)
Grants	2,517.91	2,314.74	108.78	(4/)
Procurement	2,107.63	1,693.48	124.46	(4/)
Salaries and wages	4,753.25	975.27	487.38	(4/)
Department of Defense	6,423.57	(4/)	(4/)	(4/)
All other Federal agencies	8,234.96	(4/)	(4/)	(4/)
Total 2010 2/	15,331.33	10,459.69	146.58	5
Retirement and disability	3,211.37	2,935.25	109.41	21
Other direct payments	2,072.20	2,633.32	78.69	38
Grants	2,224.18	2,187.11	101.69	23
Procurement	2,017.80	1,604.73	125.74	10
Salaries and wages	5,805.78	1,099.28	528.14	1
Department of Defense	7,353.81	1,772.90	414.79	1
All other Federal agencies	7,977.52	8,686.78	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 9.50-- 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 undistri- buted
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 9.51-- FEDERAL SPENDING FOR HAWAII AND THE UNITED STATES, TOTAL AND PER CAPITA, BY TYPE: 2015

[For fiscal year ending September 30]

Category	Hawaii	United States	Hawaii as percent of U.S.
Total (in thousands of dollars)	20,099,041	3,390,935,577	0.6
Salaries and wages	5,928,346	310,492,000	1.9
Contracts	1,982,557	392,806,379	0.5
Grants	2,753,522	602,765,254	0.5
Nonretirement benefits	3,618,830	930,115,856	0.4
Retirement benefits	5,815,787	1,154,756,088	0.5
Federal spending relative to Gross Domestic Product (in percent)	24.9	18.9	131.7
Per capita 1/ (in dollars)	14,103.0	10,567.1	133.5
Salaries and wages	4,159.8	967.6	429.9
Contracts	1,391.1	1,224.1	113.6
Grants	1,932.1	1,878.4	102.9
Nonretirement benefits	2,539.3	2,898.5	87.6
Retirement benefits	4,080.8	3,598.5	113.4

1/ Based on July 1, 2015 population for the United States of 320,896,618 and for Hawaii 1,425,157. As released December 20, 2016 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, 2016" (NST-EST2016-01) <<https://www2.census.gov/programs-surveys/popest/tables/2010-2016/state/totals/nst-est2016-01.xlsx>> accessed July 29, 2017.

Source: The Council of State Governments, "Federal Spending in the States, 2005 to 2015" (May 2017) <<http://knowledgecenter.csg.org/kc/content/federal-spending-states-2015>> accessed June 7, 2017; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.52-- 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 9.52-- 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 9.53-- FEDERAL AWARD EXPENDITURES BY HAWAII STATE
GOVERNMENT: 2001 TO 2019**

[For fiscal year ending June 30. In thousands of dollars]

Year	Total	Year	Total	Year	Total
2001	1,234,481	2008	2,018,873	2014	2,570,901
2002	1,353,397	2009	2,195,508	2015	2,650,112
2003	1,532,304	2010	2,732,260	2016	2,943,260
2004	1,659,913	2011	2,891,802	2017	2,922,787
2005	1,828,619	2012	2,297,802	2018	2,994,878
2006	1,859,707	2013	2,311,719	2019	2,879,695
2007	1,925,129				

Source: State of Hawaii Financial Accounting Management and Information System (FAMIS).

Table 9.54-- 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 Hawaii 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	-	-
Top five agencies with place of performance in Hawaii	Amount	Top five contracting offices located in Hawaii			Amount
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
Type of selected product or service	Total	Small business	Other than small bus.	State, local & tribal gov't	Non-profit JWOD & other
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.fpsdng.com/fpr_reports_fy_07.html> accessed October 12, 2009.

**Table 9.55-- FEDERAL GOVERNMENT PROCUREMENT CONTRACT
PRIME AND SUBAWARDS, 2008 TO 2016 AND TOP 5 PRIME
RECIPIENTS: 2017 AND 2018**

[Fiscal year ending September 30. For discussion of the USASpending.gov mandates, data sources quality, and reporting requirements, see <<https://www.usaspending.gov/Pages/default.aspx>>]

Year	Prime awards 1/		Subawards 2/	
	Amount (\$1,000)	Number	Amount (\$1,000)	Number
2008	2,487,387	24,673	(3/)	(3/)
2009	2,660,769	18,792	(3/)	(3/)
2010	2,707,733	19,789	4,183	8
2011	3,114,130	19,103	161,681	207
2012	2,813,593	17,878	708,632	401
2013	1,904,173	15,393	592,697	658
2014	2,431,093	15,957	3,316,028	1,679
2015	1,982,566	28,739	815,485	737
2016	2,185,026	26,719	238,456	692

Year and rank	Recipient	Amount (\$ Millions)
2017		
1	Hensel Phelps Construction Co.	118.89
2	BAE Systems Hawaii Shipyards Inc.	102.87
3	Hawaiian Dredging Construction Company, Inc.	80.89
4	Manu Kai, LLC	69.47
5	Hawaii Pacific JV LLC	54.94
2018		
1	Hensel Phelps Construction Co.	152.38
2	BAE Systems Hawaii Shipyards Inc.	135.97
3	Manu Kai, LLC	60.99
4	Matson Navigation Company, Inc.	55.73
5	Allied Pacific Builders, Inc.	45.85

1/ Federal agencies are required to submit reports on their awards' transactions within 30 days after the implementation of the transaction. The exception is the Department of Defense which submits reports after 90 days to protect operations.

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.

3/ Query of USASpending for category for FY2008 and FY2009 returns "No Data Found".

Source: USASpending, "State Summary, Contracts Data: Hawaii" (annual)

<<https://www.usaspending.gov/Pages/Default.aspx>> accessed August 8, 2017 and "State Profile: Contracts"

<<https://www.usaspending.gov/Pages/Default.aspx>> accessed July 13, 2019.

Table 9.56-- 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
Hawaii	1.26	1.44	0.18	15	12
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 9.56-- 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 9.57-- 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
Hawaii	1.26	1.38	1.41	1.47	1.48	1.46	1.49	1.50	1.49	1.51	1.44
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 9.57-- 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 9.58-- 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
Hawaii	15	7	7	6	7	8	9	10	12	10	12
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

Continued on next page.

**Table 9.58-- 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 9.59-- PUBLIC BONDED DEBT OF STATE AND COUNTY GOVERNMENTS: 1994 TO 2016

[In millions of dollars. 1994 to 1997 as of December 31 and as of June 30 for 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							
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	12,634.4	7,700.7	4,933.8	(NA)	(NA)	(NA)	(NA)
2011	13,377.0	7,912.8	5,464.2	(NA)	(NA)	(NA)	(NA)
2012	14,025.0	8,398.0	5,627.0	(NA)	(NA)	(NA)	(NA)
2013	14,447.3	8,318.4	6,128.9	(NA)	(NA)	(NA)	(NA)
2014	14,296.4	8,426.6	5,869.8	(NA)	(NA)	(NA)	(NA)
2015	14,736.2	8,757.7	5,958.4	(NA)	(NA)	(NA)	(NA)
2016	15,292.7	9,216.6	6,076.1	(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.

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 July 7, 2019.

Table 9.60-- STATE GENERAL OBLIGATION BOND DEBT: 1990 TO 2018

[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)
2016	(NA)	6,953,431	(NA)	(NA)
2017	(NA)	7,635,827	(NA)	(NA)
2018	(NA)	7,912,206	(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 January 28, 2019.

Table 9.61-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2018

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	24,038	67,074
2005	119,650	31,300	71,150	17,200	23,828	68,011
2006	121,250	31,850	71,950	17,450	26,013	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	21,083	72,508
2013	124,500	33,900	71,900	18,700	23,183	73,538
2014	126,200	33,200	74,200	18,800	23,282	75,311
2015	126,400	33,100	74,500	18,900	23,182	74,723
2016	126,000	33,200	73,900	19,000	23,046	75,118
2017 6/	125,500	33,400	73,200	19,000	21,699	75,152
2018 6/	125,600	33,600	73,100	18,900	21,594	75,520

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Table 9.61-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2018 -- Con.

NA Not available.

1/ Data are annual averages and rounded to nearest 100 for 1990-2000 and 2010-2017, and to 50 for 2001-2009. 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 2019. 'Total' revised for 2017.

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 1990-2018 "Job Count by Industry" <<https://www.hiwi.org/gsipub/index.asp?docid=421>> accessed July 17, 2019; Hawaii State Department of Human Resources Development, *Executive Branch Workforce Profile Reports Fiscal Year Ending June 30* (annual) <<http://dhrd.hawaii.gov/reports/workforce-reports/>> accessed June 29, 2018 and records; Employees' Retirement System of the State of Hawaii, *Comprehensive Annual Financial Report (annual)*, Ibid. *Report to Board of Trustees on the Annual Actuarial Valuation for the Year Ending June 30* (annual) <<http://ers.ehawaii.gov/resources/financials>> accessed July 14, 2019; and records.

Table 9.62-- FEDERAL GOVERNMENT EMPLOYMENT, BY AGENCY: 2012 TO 2017

[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	2012	2013	2014	2015 1/	2016 1/	2017 1/
TOTAL	25,671	24,574	24,377	24,968	25,334	22,248
Cabinet-level	25,379	24,298	24,105	24,702	25,047	21,993
Agriculture	781	756	773	755	755	738
Commerce	442	426	460	429	418	410
Defense	19,375	18,370	18,173	18,599	18,856	17,897
Air Force	1,806	1,770	1,806	1,779	1,790	1,616
Army	5,806	5,409	5,191	5,161	5,188	4,969
Other Defense	1,085	1,047	1,041	1,293	1,281	1,251
Navy/Marine Corps	10,678	10,144	10,135	10,366	10,597	10,061
Justice	294	291	284	517	519	(1/)
U.S. Marshall's Service	27	25	26	25	22	(1/)
Prisons	198	201	194	192	191	(1/)
U.S. Attorney	59	54	53	54	58	55
Labor	31	34	33	32	30	29
Energy	2	2	2	2	(1/)	(1/)
Education	-	-	-	-	(1/)	(1/)
Health & Human Services	175	166	169	168	161	153
Homeland Security 2/	1,971	1,976	1,914	1,900	1,909	(1/)
U.S. Coast Guard	147	139	126	125	126	108
Immig. & Customs Enf.	88	89	89	82	87	(1/)
Customs & Border Prot.	308	296	296	294	304	(1/)
Trans. Security Admin.	1,333	1,362	1,317	1,284	1,279	(1/)
FEMA	55	53	47	47	44	50
Housing & Urban Dev.	26	25	25	22	19	20
Interior	723	648	631	595	633	609
National Park Service	476	425	404	375	400	367
State	18	19	17	18	19	20
Transportation	413	398	407	381	400	394
Fed. Aviation Admin.	395	381	388	367	380	376
Fed. Highways Admin.	15	14	15	11	16	14
Treasury	143	119	120	102	92	(1/)
Internal Revenue Service	141	118	118	99	(1/)	(1/)
Veterans Affairs	985	1,068	1,097	1,200	1,236	1,247
Veterans Benefits Admin.	86	92	99	100	101	102
National Cemetery Admin.	26	26	24	27	27	26
Veterans Health Admin.	847	925	950	1,046	1,083	1,093
Independent agencies 3/	292	276	272	240	(1/)	(1/)
Large	285	270	267	237	250	250
General Services Admin.	44	42	41	36	40	40
Social Security Admin.	131	122	129	138	141	139
Medium	7	6	5	3	(1/)	(1/)
Small	-	-	-	-	(1/)	(1/)

1/ Some component counts reflect suppressed categories, such as counts fewer than 12.

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> accessed April 2, 2019, and records.

Table 9.63-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2017

[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	91,842	69,155	22,687	76,611	373,115	350,005	23,110	1,319,543
Financial administration	1,857	1,829	28	1,832	8,510	8,488	22	654
Other government admin.	2,369	1,969	400	2,072	10,258	9,818	441	18,229
Judicial and legal	3,771	3,677	94	3,717	17,489	17,235	254	7,048
Police protection	4,147	4,024	123	4,046	28,399	28,346	53	3,843
Persons with powers of arrest	3,130	3,130	-	3,130	24,587	24,587	-	-
Other	1,017	894	123	916	3,812	3,759	53	3,843
Fire protection	2,056	2,032	24	2,045	15,797	15,719	78	2,408
Firefighters	1,789	1,789	-	1,789	14,789	14,789	-	-
Other	267	243	24	256	1,008	930	78	2,408
Corrections	2,387	2,374	13	2,380	12,586	12,507	79	980
Highways	1,728	1,703	25	1,710	8,167	8,152	15	1,202
Air transportation	1,008	999	9	1,001	5,025	5,014	11	343
Water transport and terminals	214	214	-	214	1,019	1,019	-	-
Public welfare	626	509	117	546	2,476	2,392	84	6,670
Health	2,425	2,351	74	2,383	12,792	12,604	189	5,727
Hospitals	4,586	3,817	769	4,231	24,823	22,188	2,635	73,062
Social insurance admin.	202	187	15	194	924	895	29	1,200
Solid waste management	668	667	1	667	3,724	3,724	1	62
Sewerage	750	749	1	749	3,986	3,986	1	50
Parks and recreation	4,373	2,108	2,265	2,349	8,546	7,892	654	42,778
Housing and community dev't	324	312	12	316	1,324	1,317	7	694
Natural resources	1,141	1,057	84	1,097	5,266	5,122	144	6,885

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**Table 9.63-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:
MARCH 2017 -- 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	1,027	1,027	-	1,027	5,435	5,435	-	-
Transit	264	238	26	248	1,249	1,210	40	1,740
Education total	50,310	32,014	18,296	38,369	170,300	152,221	18,079	1,124,890
Elem. & secondary educ. total	34,833	22,458	12,375	25,847	112,279	101,255	11,024	599,916
Elem. & sec. instructional	28,269	17,163	11,106	20,269	93,521	83,005	10,516	549,786
Elem. & sec other	6,564	5,295	1,269	5,578	18,758	18,250	508	50,130
Higher education total	15,339	9,420	5,919	12,385	57,420	50,369	7,051	524,814
Higher educ. instructional	4,836	3,567	1,269	5,380	29,568	26,234	3,335	320,832
Higher ed other	10,503	5,853	4,650	7,005	27,852	24,135	3,717	203,982
Other education	138	136	2	137	602	598	4	160
Libraries	705	471	234	562	1,968	1,762	206	16,080
All other and unallocable	4,904	4,827	77	4,856	23,049	22,960	89	4,998

Source: U.S. Census Bureau, 2017 Census of Governments: Employment "State and Local Government: Employment and Payroll Data by State and Function: March 2017" (June 20, 2019) <<https://www.census.gov/programs-surveys/apcs/data/tables.html>> accessed June 21, 2019.

Table 9.64-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2018

[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	89,547	67,646	21,901	74,946	370,564	348,509	22,054	1,253,120
Financial administration	1,831	1,794	37	1,800	8,511	8,484	28	1,139
Other government administration	2,359	1,979	380	2,031	10,537	10,292	245	9,279
Judicial and legal	3,660	3,544	116	3,581	18,239	17,958	282	6,713
Police protection	4,067	3,942	125	3,968	27,500	27,434	66	4,740
Persons with powers of arrest	3,072	3,066	6	3,068	23,771	23,768	2	336
Other	995	876	119	900	3,729	3,666	64	4,404
Fire protection	2,039	2,015	24	2,030	14,921	14,835	86	2,605
Firefighters	1,789	1,774	15	1,785	14,043	13,976	66	1,875
Other	250	241	9	245	879	859	20	730
Corrections	2,367	2,354	13	2,360	13,364	13,260	104	1,028
Highways	1,683	1,666	17	1,669	7,999	7,989	10	524
Air transportation	1,004	995	9	997	5,222	5,215	7	342
Water transport and terminals	211	211	-	211	1,016	1,016	-	-
Public welfare	629	497	132	534	2,465	2,368	97	6,490
Health	2,382	2,312	70	2,343	12,863	12,689	173	5,437
Hospitals	3,152	2,632	520	2,921	17,387	15,480	1,906	51,053
Social insurance administration	192	180	12	185	901	869	32	960
Solid waste management	676	675	1	675	3,798	3,798	-	41
Sewerage	808	804	4	804	4,297	4,296	2	126
Parks and recreation	4,202	2,116	2,086	2,354	8,592	7,927	664	42,079
Housing and community dev't	322	313	9	315	1,269	1,264	5	368
Natural resources	1,096	1,015	81	1,054	5,234	5,090	144	6,982

Continued on next page.

**Table 9.64-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:
MARCH 2018 -- 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	1,028	1,028	-	1,028	5,397	5,397	-	-
Transit	263	234	29	245	1,220	1,168	51	1,815
Education total	50,228	32,283	17,945	38,666	175,765	157,931	17,834	1,090,636
Elem. & secondary educ. total	34,827	22,750	12,077	26,309	117,021	106,198	10,823	590,720
Elem. & sec. instructional	28,255	17,405	10,850	20,600	97,560	87,264	10,296	530,370
Elem. & sec other	6,572	5,345	1,227	5,709	19,461	18,934	527	60,350
Higher education total	15,273	9,406	5,867	12,230	58,171	51,163	7,008	499,836
Higher educ. instructional	4,788	3,564	1,224	5,262	29,561	26,320	3,241	300,596
Higher ed other	10,485	5,842	4,643	6,968	28,610	24,844	3,766	199,240
Other education	128	127	1	127	573	570	3	80
Libraries	703	476	227	572	2,069	1,841	229	17,032
All other and unallocable	4,645	4,581	64	4,603	21,997	21,908	89	3,731

Source: U.S. Census Bureau, 2018 Annual Survey of Public Employment and Payroll "State and Local Government Employment and Payroll Data by State and Function: March 2018" (June 20, 2019) <<https://www.census.gov/data/tables/2018/econ/apes/annual-apes.html>> accessed June 21, 2019.

Table 9.65-- STATE GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2017

[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/	72,819	53,067	19,752	58,966	279,421	257,991	21,430	1,043,711
Financial administration	738	738	-	738	3,433	3,433	-	-
Other government admin.	849	716	133	801	3,773	3,404	369	14,954
Judicial and legal	3,050	2,980	70	3,007	13,718	13,507	211	4,762
Corrections	2,387	2,374	13	2,380	12,586	12,507	79	980
Highways	838	826	12	831	4,513	4,505	8	936
Air transportation	1,008	999	9	1,001	5,025	5,014	11	343
Water transport & terminals	214	214	-	214	1,019	1,019	-	-
Public welfare	414	392	22	401	1,857	1,843	14	1,676
Health	2,036	1,993	43	2,014	10,773	10,634	140	3,768
Hospitals	4,586	3,817	769	4,231	24,823	22,188	2,635	73,062
Social insurance admin.	202	187	15	194	924	895	29	1,200
Parks and recreation	753	152	601	182	739	641	98	5,290
Natural resources	856	850	6	853	4,207	4,194	12	494
Education total	50,310	32,536	17,774	37,716	172,044	154,491	17,552	916,906
Elem. & sec. total	34,833	22,458	12,375	26,292	114,022	101,255	12,767	678,624
Elem & sec instruct.	28,269	17,163	11,106	20,602	94,648	83,005	11,643	608,692
Elem & sec other	6,564	5,295	1,269	5,690	19,374	18,250	1,125	69,932
Higher educ. total	15,339	9,942	5,397	11,287	57,420	52,639	4,781	238,122
Higher educ. instruct.	4,836	4,089	747	4,282	29,568	28,504	1,065	34,140
Higher educ. other	10,503	5,853	4,650	7,005	27,852	24,135	3,717	203,982
Other	138	136	2	137	602	598	4	160
Libraries	703	469	234	560	1,960	1,754	206	16,080
All other and unallocable	3,875	3,824	51	3,843	18,026	17,961	65	3,260

Source: U.S. Census Bureau, 2017 Annual Survey of Public Employment and Payroll "State Government Employment and Payroll Data by State and Function: March 2017" (June 20, 2019) <<https://www.census.gov/data/tables/2017/econ/apes/annual-apes.html>> accessed June 21, 2019.

Table 9.66-- STATE GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2018

[In number of jobs and thousands of dollars. Data are preliminary]

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	70,620	51,158	19,462	58,058	276,088	255,312	20,776	1,182,266
Financial administration	699	692	7	695	3,267	3,262	5	556
Other government admin.	835	747	88	774	3,793	3,664	129	4,888
Judicial and legal	2,958	2,870	88	2,888	14,259	14,035	224	3,268
Corrections	2,367	2,354	13	2,360	13,364	13,260	104	1,028
Highways	789	786	3	787	4,191	4,189	2	234
Air transportation	1,004	995	9	997	5,222	5,215	7	342
Water transport & terminals	211	211	-	211	1,016	1,016	-	-
Public welfare	397	383	14	389	1,843	1,831	12	1,068
Health	1,984	1,948	36	1,966	10,763	10,647	116	3,126
Hospitals	3,152	2,632	520	2,921	17,387	15,480	1,906	51,053
Social insurance admin.	192	180	12	185	901	869	32	960
Parks and recreation	589	143	446	171	716	623	93	4,924
Natural resources	810	805	5	807	4,158	4,147	12	434
Education total	50,228	32,283	17,945	38,666	175,765	157,931	17,834	1,090,636
Elem. & sec. total	34,827	22,750	12,077	26,309	117,021	106,198	10,823	590,720
Elem & sec instruct.	28,255	17,405	10,850	20,600	97,560	87,264	10,296	530,370
Elem & sec other	6,572	5,345	1,227	5,709	19,461	18,934	527	60,350
Higher educ. total	15,273	9,406	5,867	12,230	58,171	51,163	7,008	499,836
Higher educ. Instruct.	4,788	3,564	1,224	5,262	29,561	26,320	3,241	300,596
Higher educ. other	10,485	5,842	4,643	6,968	28,610	24,844	3,766	199,240
Other	128	127	1	127	573	570	3	80
Libraries	699	472	227	568	2,059	1,830	229	17,032
All other and unallocable	3,706	3,657	49	3,673	17,385	17,313	72	2,717

Source: U.S. Census Bureau, 2018 Annual Survey of Public Employment and Payroll "State Government Employment and Payroll Data by State and Function: March 2018" (June 20, 2019) <<https://www.census.gov/data/tables/2018/econ/apes/annual-apes.html>> accessed June 21, 2019.

Table 9.67-- LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2017

[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	19,023	16,610	2,413	16,992	95,438	94,284	1,154	67,848
Financial administration	1,119	1,091	28	1,094	5,077	5,055	22	654
Other government administration	1,520	1,253	267	1,271	6,486	6,414	72	3,275
Judicial and legal	721	697	24	710	3,771	3,729	43	2,286
Police protection	4,147	4,024	123	4,046	28,399	28,346	53	3,843
Persons with power of arrest	3,130	3,130	-	3,130	24,587	24,587	-	-
Other police protection	1,017	894	123	916	3,812	3,759	53	3,843
Fire protection total	2,056	2,032	24	2,045	15,797	15,719	78	2,408
Firefighters	1,789	1,789	-	1,789	14,789	14,789	-	-
Other fire protection	267	243	24	256	1,008	930	78	2,408
Highways	890	877	13	879	3,654	3,647	7	266
Public welfare	212	117	95	145	618	548	70	4,994
Health	389	358	31	369	2,019	1,970	49	1,959
Solid waste management	668	667	1	667	3,724	3,724	1	62
Sewerage	750	749	1	749	3,986	3,986	1	50
Parks and recreation	3,620	1,956	1,664	2,167	7,808	7,251	556	37,488
Housing & community dev't	324	312	12	316	1,324	1,317	7	694
Natural resources	285	207	78	244	1,060	928	131	6,391
Water supply	1,027	1,027	-	1,027	5,435	5,435	-	-
Transit	264	238	26	248	1,249	1,210	40	1,740
Libraries	2	2	-	2	8	8	-	-
All other and unallocable	1,029	1,003	26	1,013	5,023	4,999	24	1,738

Source: U.S. Census Bureau, 2017 Census of Governments: Employment "Local Government Employment and Payroll Data by State and Function: March 2017" (June 20, 2019) <<https://www.census.gov/data/tables/2017/econ/apes/annual-apes.html>> accessed June 21, 2019.

Table 9.68-- LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2018

[In number of jobs and thousands of dollars. Data are preliminary]

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	18,927	16,488	2,439	16,888	94,476	93,197	1,278	70,854
Financial administration	1,132	1,102	30	1,105	5,245	5,222	23	583
Other government administration	1,524	1,232	292	1,257	6,744	6,628	116	4,391
Judicial and legal	702	674	28	693	3,980	3,922	58	3,445
Police protection	4,067	3,942	125	3,968	27,500	27,434	66	4,740
Persons with power of arrest	3,072	3,066	6	3,068	23,771	23,768	2	336
Other police protection	995	876	119	900	3,729	3,666	64	4,404
Fire protection total	2,039	2,015	24	2,030	14,921	14,835	86	2,605
Firefighters	1,789	1,774	15	1,785	14,043	13,976	66	1,875
Other fire protection	250	241	9	245	879	859	20	730
Highways	894	880	14	882	3,808	3,801	7	290
Public welfare	232	114	118	145	622	537	85	5,422
Health	398	364	34	377	2,100	2,042	58	2,311
Solid waste management	676	675	1	675	3,798	3,798	(1/)	41
Sewerage	808	804	4	804	4,297	4,296	2	126
Parks and recreation	3,613	1,973	1,640	2,183	7,876	7,304	572	37,155
Housing & community dev't	322	313	9	315	1,269	1,264	5	368
Natural resources	286	210	76	247	1,075	943	132	6,548
Water supply	1,028	1,028	-	1,028	5,397	5,397	-	-
Transit	263	234	29	245	1,220	1,168	51	1,815
Libraries	4	4	-	4	11	11	-	-
All other and unallocable	939	924	15	930	4,612	4,595	17	1,014

1/ Less than \$500.

Source: U.S. Census Bureau, 2018 Annual Survey of Public Employment and Payroll "Local Government Employment and Payroll Data by State and Function: March 2018" (June 20, 2019) <<https://www.census.gov/data/tables/2018/econ/apes/annual-apes.html>> accessed June 21, 2019.

Table 9.69-- PUBLIC EMPLOYEES INCLUDED IN COLLECTIVE BARGAINING UNITS: 2017

[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	59,657	12,701	8,125	2,288	2,113	1,197	22,209	1,560	7,272	2,192
1	Blue-collar nonsupervisors	8,354	1,863	1,883	544	580	374	2,179	97	530	304
2	Blue-collar supervisors	746	168	198	51	43	13	243	1	13	16
3	White-collar nonsupervisors	12,616	3,368	1,478	585	511	260	4,601	788	649	376
4	White-collar supervisors	790	220	128	39	30	16	259	53	35	10
5	Teachers & other personnel 2/	12,965	-	-	-	-	-	12,965	-	-	-
6	Educational officers 3/	941	-	-	-	-	-	941	-	-	-
7	Faculty of the University of Hawaii and the community college system	3,717	-	-	-	-	-	-	-	3,717	-
8	Personnel of the University of Hawaii and the community college system, other than faculty	2,317	-	-	-	-	-	-	-	2,317	-
9	Registered prof. nurses	1,078	405	-	-	-	-	2	4	9	658
10	Institutional, health and correctional workers	2,548	1,639	247	-	-	-	33	60	2	567
11	Firefighters	1,877	165	985	326	272	129	-	-	-	-
12	Police officers 4/	2,821	-	1,934	406	305	146	-	-	-	-
13	Prof. & scientific employees 5/	8,143	4,457	1,097	288	285	212	986	557	-	261
14	State law enforcement officers & state & county ocean safety & water safety officers	744	416	175	49	57	47	-	-	-	-

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/ Report shows 330 members in County of Maui but as such components do not sum. Confirmation that Maui membership is 335 underway with HLRB.

5/ Professional & scientific employees, who cannot be included in any other bargaining units.

Source: State of Hawaii Labor Relations Board, *HLRB Informational Bulletin No. 56*, (February 14, 2018). See also <http://labor.hawaii.gov/hlrp/find-a-report/> accessed January 23, 2019.

**Table 9.70-- SALARIES OF SELECTED GOVERNMENT OFFICIALS:
2002 TO 2007**

[Annual rates, in dollars, as of January 1]

Government official	2002	2003	2004	2005	2006	2007
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/ 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. Dobelle 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.

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

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Table
Number **Table Name**

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

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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 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	
	Hawaii	United States	Hawaii	United States
Total	9,108	876,527	3,970	1,399,751
American Indian/Alaska Native	52	8,275	13	15,795
Asian/Pacific Islander	5,639	26,640	2,630	56,667
Black	436	143,672	173	275,205
White	2,122	611,482	710	897,514
Hispanic	374	70,333	149	127,900
Other/unknown	485	16,125	295	26,670
Other	(NA)	(NA)	95	13,869
Unknown	(NA)	(NA)	200	12,801
Total	9,108	876,527	3,970	1,399,751
Female	1,656	151,656	592	210,085
Male	7,452	724,871	3,378	1,189,666

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 2/	35,061	17,068	7,694	5,541	4,758
1973	43,809	17,336	10,729	7,695	8,049	2005 2/	32,629	15,458	6,524	5,796	4,851
1974	42,204	17,581	10,072	7,192	7,359	2006 2/	34,935	18,687	6,080	5,050	5,118
1975	43,071	17,312	10,852	8,403	6,504	2007 2/	34,838	19,867	5,595	4,483	4,893
1976	43,903	18,037	10,531	9,174	6,161	2008 2/	37,847	21,554	5,320	6,306	4,667
1977	42,835	17,476	9,647	9,783	5,929	2009 2/	36,890	21,267	5,472	5,574	4,577
1978	43,907	18,711	10,458	8,796	5,942	2010 2/	38,755	22,186	5,402	6,532	4,635
1979	45,408	17,446	10,562	11,397	6,003	2011 2/	42,371	22,895	8,630	5,905	4,941
1980	43,313	17,118	10,976	9,277	5,942	2012 2/	49,110	22,546	15,066	6,385	5,113
1981	44,141	17,962	10,948	9,070	6,161	2013 2/	49,023	21,718	14,647	7,371	5,287
1982	44,470	17,457	11,880	8,926	6,207	2014 2/	51,045	22,194	15,730	7,817	5,304
1983	44,651	17,466	12,671	7,926	6,588	2015 2/	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 personnel count requested of Defense Manpower Data Center. See following table for personnel count by location.

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> accessed November 24, 2015.

**Table 10.04-- ACTIVE DUTY AND RESERVE PERSONNEL, BY SERVICE:
2008 TO 2018**

[As of September 30. Personnel located in Hawaii, as personnel deployed are counted in the location country]

Year and component	All services	Department of Defense					Coast Guard
		Total	Army	Navy	Marine Corps	Air Force	
Active duty							
2008	37,584	36,300	15,349	12,459	4,088	4,404	1,284
2009	37,473	36,110	14,158	13,411	4,202	4,339	1,363
2010	42,167	40,831	17,277	13,668	5,519	4,367	1,336
2011	42,991	41,644	18,483	13,563	4,928	4,670	1,347
2012	46,736	45,394	19,799	14,345	6,364	4,886	1,342
2013	48,304	47,002	21,238	14,486	6,113	5,165	1,302
2014	49,836	48,565	21,857	15,273	6,264	5,171	1,271
2015	46,123	44,872	17,631	15,877	6,355	5,009	1,251
2016	38,284	37,057	16,937	8,359	6,784	4,977	1,227
2017	36,620	35,412	16,313	7,792	6,370	4,937	1,208
2018	42,981	41,803	16,251	13,716	6,788	5,048	1,178
National Guard and reserve 1/							
2008	8,919	8,790	5,130	726	35	2,899	129
2009	9,002	8,880	5,191	793	78	2,818	122
2010	9,255	9,116	5,216	743	83	3,074	139
2011	9,402	9,266	5,475	736	96	2,959	136
2012	9,216	9,070	5,247	777	89	2,957	146
2013	9,145	8,992	5,229	726	75	2,962	153
2014	9,319	9,167	5,433	666	62	3,006	152
2015	9,124	9,124	5,556	631	68	2,869	(2/)
2016	9,142	9,005	5,369	615	56	2,965	137
2017	9,402	9,283	5,525	611	281	2,866	119
2018	9,390	9,260	5,325	644	291	3,000	130

1/ All services have reserve units and the Army and the Air Force also have National Guard units.

2/ Indicated as '0' in Source for all states and areas. Clarification from DMDC awaited.

Source: U.S. Department of Defense, Defense Manpower Data Center, "Counts of Active Duty and Reserve Service Members and APF Civilians By Location Country, Personnel Category, Service and Component" (annually September 30) <https://www.dmdc.osd.mil/appj/dwp/dwp_reports.jsp> accessed January 22, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.05-- FEDERAL GOVERNMENT MILITARY AND CIVILIAN PERSONNEL: 1969 TO 2017

[Estimates of employment for 1969 to 1974 are based on the 1967 Standard Industrial Classification (SIC), the 1975 to 1987 on the 1972 SIC, the 1988 to 1997 on the 1987 SIC; and estimates of employment for 1998 to 2006 are based on the 2002 North American Industry Classification System (NAICS), for 2007 to 2010 on the 2007 NAICS, for 2011 to 2016 on the 2012 NAICS, and 2017 forward on the 2017 NAICS]

Year	Federal government			Year	Federal government		
	Total	Military 1/	Civilian		Total	Military 1/	Civilian
1969	104,362	69,603	34,759	1994	92,326	61,218	31,108
1970	102,400	68,949	33,451	1995	89,174	58,638	30,536
1971	98,613	65,586	33,027	1996	87,289	56,441	30,848
1972	99,074	66,350	32,724	1997	85,743	55,452	30,291
1973	102,197	70,540	31,657	1998	84,942	54,859	30,083
1974	102,021	70,896	31,125	1999	82,854	53,079	29,775
1975	103,159	72,142	31,017	2000	82,668	52,496	30,172
1976	100,327	69,170	31,157	2001	82,943	53,652	29,291
1977	96,689	66,396	30,293	2002 2/	83,670	52,919	30,751
1978	96,891	66,416	30,475	2003 2/	84,515	52,791	31,724
1979	95,902	65,104	30,798	2004 2/	85,343	53,758	31,585
1980	97,046	66,457	30,589	2005 2/	84,350	53,019	31,331
1981	93,829	62,944	30,885	2006 2/	86,185	54,363	31,822
1982	94,451	62,628	31,823	2007 2/	86,288	54,515	31,773
1983	98,270	65,863	32,407	2008 2/	88,301	56,047	32,254
1984	101,126	68,406	32,720	2009 2/	89,038	55,663	33,375
1985	102,322	68,904	33,418	2010 2/	91,112	56,237	34,875
1986	100,922	67,691	33,231	2011 2/	92,010	57,087	34,923
1987	102,338	69,062	33,276	2012 2/	92,406	57,456	34,950
1988	102,001	68,813	33,188	2013 2/	91,279	57,357	33,922
1989	101,759	68,470	33,289	2014 2/	90,369	57,251	33,118
1990	100,945	67,225	33,720	2015 2/	91,347	58,273	33,074
1991	100,557	67,484	33,073	2016 2/	89,671	56,447	33,224
1992	98,516	65,717	32,799	2017	88,841	55,415	33,426
1993	94,628	63,070	31,558				

1/ Includes active duty military personnel that are stationed in the state plus the number of military reserve unit members, including the National Guard, whose reserve units meet regularly for training. The state estimates are based on fiscal year-ending September 30-tabulations of military reserve strength provided by the Department of Defense. Navy personnel assigned to ships and other mobile units and Marines assigned to Fleet Marine Force units are measured according to the units' home ports rather than their actual locations as of the reporting date. See also *State Personal Income and Employment: Concepts, Data Sources, and Statistical Methods* (September 2018) <<https://www.bea.gov/system/files/2019-03/SPI2017.pdf>>.

2/ 2002 to 2016 'Total' and 'Civilian', and 2013 to 2016 'Military' revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, State Annual Personal Income, "SAEMP25S Total Full-Time and Part-Time Employment by SIC Industry" (March 6, 2019) and "SSAEMP25N Total Full-Time and Part-Time Employment by NAICS Industry" (September 25, 2018) <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed January 23, 2019 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.06-- 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 3/
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	(4/)	34,935	(4/)	17,079
2007	(4/)	34,838	(4/)	16,403
2008	(4/)	37,847	(4/)	17,340
2009	(4/)	36,890	(4/)	18,400
2010	(4/)	38,755	(4/)	(4/)
2011	(4/)	42,371	(4/)	(4/)
2012 4/	133,037	49,110	64,207	19,720
2013 4/	131,295	49,023	63,617	18,655
2014 4/ 5/	133,703	51,045	64,315	18,343
2015 4/	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. Confirmation of personnel count for 2004 to 2015 requested of Defense Manpower Data Center. See Table 10.04 for personnel count by location.

2/ Includes dependents of Hawaii residents stationed out of the State, if those dependents remained in Hawaii.

3/ Confirmation of personnel count for 2004 to 2015 requested of Defense Manpower Data Center. Not strictly comparable to civilian personnel counts elsewhere in the section.

4/ 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 are available for similar reporting.

5/ Civilian personnel as of June 30, 2014.

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 10.07-- 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 10.08-- FEDERAL DEFENSE EXPENDITURES PER CAPITA FOR
HAWAII, THE UNITED STATES AVERAGE, EACH OF THE 50 STATES
AND THE DISTRICT OF COLUMBIA, 2017**

[In dollars. For fiscal year ending September 30]

Area	Total 1/	Contracts	Salaries and wages	Retire- ment benefits	Nonretire- ment benefits	Grants
U. S. average	1,484	834	414	174	44	18
Hawaii	5,092	1,261	3,292	367	83	89
Hawaii as % of U.S. average	343.1	151.2	795.2	210.9	188.6	494.4
Alabama	2,684	1,600	656	334	80	14
Alaska	4,622	1,757	2,298	376	150	41
Arizona	1,729	1,154	285	222	56	12
Arkansas	635	133	233	200	52	17
California	1,395	890	349	110	28	18
Colorado	1,898	892	606	290	85	25
Connecticut	4,302	4,013	167	68	23	31
Delaware	958	208	416	231	62	41
Dist. of Columbia	9,033	5,332	3,458	112	13	118
Florida	1,269	596	319	276	70	8
Georgia	1,610	681	594	244	81	10
Hawaii	5,092	1,261	3,292	367	83	89
Idaho	649	116	233	211	53	36
Illinois	703	422	180	70	19	12
Indiana	797	495	180	83	25	14
Iowa	697	477	95	90	21	14
Kansas	1,346	378	687	200	67	14
Kentucky	2,054	1,212	629	155	50	8
Louisiana	913	363	342	140	52	16
Maine	2,203	1,422	524	211	25	21
Maryland	3,885	2,280	1,206	272	46	81
Massachusetts	1,626	1,356	146	62	12	50
Michigan	488	271	120	63	16	18
Minnesota	938	735	90	71	17	25
Mississippi	1,875	1,072	503	217	54	29
Missouri	1,674	1,210	262	147	45	10
Montana	787	190	286	221	57	33
Nebraska	1,113	365	469	206	60	13
Nevada	1,093	434	334	264	53	8
New Hampshire	1,518	1,117	149	193	21	38
New Jersey	798	533	189	48	14	14
New Mexico	1,613	623	623	282	67	18
New York	510	327	116	40	10	17
North Carolina	1,365	321	691	258	81	14
North Dakota	1,309	265	794	157	64	29

Continued on next page.

Table 10.08-- FEDERAL DEFENSE EXPENDITURES PER CAPITA FOR HAWAII, THE UNITED STATES AVERAGE, EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA, 2017 -- Con.

Area	Total 1/	Contracts	Salaries and wages	Retirement benefits	Nonretirement benefits	Grants
Ohio	731	335	266	96	22	12
Oklahoma	1,864	789	763	225	74	13
Oregon	504	217	121	124	21	21
Pennsylvania	1,069	734	203	95	20	17
Rhode Island	1,517	566	755	136	26	34
South Carolina	1,446	498	537	315	87	9
South Dakota	1,027	230	460	237	72	28
Tennessee	665	253	134	209	57	12
Texas	1,599	940	389	207	54	9
Utah	1,203	451	516	143	45	48
Vermont	838	481	160	138	22	37
Virginia	6,275	3,601	1,854	661	134	25
Washington	2,413	1,310	756	277	56	14
West Virginia	519	165	165	134	31	24
Wisconsin	600	397	86	80	18	19
Wyoming	1,129	173	518	236	76	126

1/ Contracts for purchases of goods and services includes military equipment, information technology, and operations and maintenance programs. Salaries and wages are for active-duty military, civilian, reserve, and National Guard personnel. Retirement benefits are payments to individuals for military pensions. Nonretirement benefits are payments for health care provided through the military's Tricare Management Program. Grants includes funding to state and local governments for programs such as National Guard activities, medical research and development, and basic and applied scientific research.

Source: Pew Trusts, "Levels and Types of Federal Defense Spending Differ Across States" (May 7, 2019) <<https://www.pewtrusts.org/en/research-and-analysis/articles/2019/05/07/levels-and-types-of-federal-defense-spending-differ-across-states>> accessed August 4, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.09-- DEPARTMENT OF DEFENSE SUMMARY OF SPENDING,
PERSONNEL, AND PRIME CONTRACT AWARDS: 2016**

[In persons and dollars as indicated. For fiscal year ending September 30]

Spending or personnel	Total	Honolulu	Hawaii	Maui 1/	Kauai
Total defense contracts spending 2/	1.7 B.	1.6 B.	12.8 M.	19.8 M.	87.3 M.
Total defense personnel spending 2/	4.7 B.	4.6 B.	16.9 M.	7.1 M.	23.5 M.
Total defense personnel 3/	84,673	79,999	602	232	448
Active duty	(NA)	53,190	33	18	108
Civilian	(NA)	20,616	186	70	184
Value of contract awards performed (\$ billion)	Total	Army	Navy & Marines	Air Force	Other defense
2009	2.3	(NA)	(NA)	(NA)	(NA)
2010	2.3	(NA)	(NA)	(NA)	(NA)
2011	2.4	(NA)	(NA)	(NA)	(NA)
2012	2.4	(NA)	(NA)	(NA)	(NA)
2013	2.3	(NA)	(NA)	(NA)	(NA)
2014	2.3	(NA)	(NA)	(NA)	(NA)
2015	1.9	(NA)	(NA)	(NA)	(NA)
2016	1.7	(NA)	(NA)	(NA)	(NA)
Percent of 2016 total	100	36	44	5	15
Personnel or spending	Total	Active duty	Civilian	National Guard & Reserve	
Total personnel	84,673	(NA)	(NA)	(NA)	
Percent	100	68	24	8	
Contracts (in percent)	100	(NA)	(NA)	(NA)	
Supply & equipment (in percent)	14	(NA)	(NA)	(NA)	
Research & dev. (in percent)	4	(NA)	(NA)	(NA)	
Service (in percent)	63	(NA)	(NA)	(NA)	
Construction (in percent)	19	(NA)	(NA)	(NA)	
Contractors receiving largest value of prime contract awards (\$ million)					
Contractor name	Amount	Contractor name			Amount
Hawaii Independent Energy	103.6	BAE Systems			37.6
Raytheon	75.2	Insight Pacific			28.6
Hansel Phelps Construction	65.8	Y. Hata			27.2
Manu Kai	61.1	NAN-Samsung			26.2
J & J Worldwide Services	39.5	Brag Investments			25.2

NA Not available.

1/ Includes Kalawao.

2/ 'Total' includes personnel and spending not identified by county.

3/ 'Total' includes uniformed National Guard and Reserve units not published separately.

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State Fiscal Year 2016" <<http://oea.gov/resource/defense-spending-state-fiscal-year-2016>> accessed April 2, 2019.

**Table 10.10-- DEPARTMENT OF DEFENSE SUMMARY OF SPENDING,
PERSONNEL, AND PRIME CONTRACT AWARDS: 2017**

[In persons and dollars as indicated. For fiscal year ending September 30]

Spending or personnel	Total	Honolulu	Hawaii	Maui 1/	Kauai
Total defense contracts spending 2/	1.8 B.	1.8 B.	23.0 M.	20.0 M.	94.7 M.
Total defense personnel spending 2/	4.7 B.	4.6 B.	22.1 M.	9.6 M.	24.3 M.
Total defense personnel 3/	64,366	62,506	665	249	404
Active duty	(NA)	35,148	15	11	80
Civilian	(NA)	18,749	172	62	164
Value of contract awards performed (\$ billion)	Total	Army	Navy & Marines	Air Force	Other defense
2010	2.3	(NA)	(NA)	(NA)	(NA)
2011	2.4	(NA)	(NA)	(NA)	(NA)
2012	2.4	(NA)	(NA)	(NA)	(NA)
2013	2.3	(NA)	(NA)	(NA)	(NA)
2014	1.8	(NA)	(NA)	(NA)	(NA)
2015	1.9	(NA)	(NA)	(NA)	(NA)
2016	1.7	(NA)	(NA)	(NA)	(NA)
2017	1.8	(NA)	(NA)	(NA)	(NA)
Percent of 2017 total	100	29	52	7	12
Personnel or spending	Total	Active duty	Civilian	National Guard & Reserve	
Total personnel	64,366	(NA)	(NA)	(NA)	
Percent	100	56	30	15	
Contracts (in percent)	100	(NA)	(NA)	(NA)	
Supply & equipment (in percent)	8	(NA)	(NA)	(NA)	
Research & dev. (in percent)	4	(NA)	(NA)	(NA)	
Service (in percent)	66	(NA)	(NA)	(NA)	
Construction (in percent)	22	(NA)	(NA)	(NA)	
Contractors receiving largest value of prime contract awards (\$ million)					
Contractor name	Amount	Contractor name			Amount
BAE Systems	92.4	J & J Maintenance			35.6
Manu Kai	67.4	Caddell-Nan, JV			33.8
AECOM	52.7	Bethel-Webcor, JV-1			31.8
Hansel Phelps Construction	44.0	Weitz			28.4
Matson	40.3	Insight Pacific			27.7

NA Not available.

1/ Includes Kalawao. Personnel count for Kalawao indicated as 'ND' as fewer than 10.

2/ 'Total' includes personnel and spending not identified by county.

3/ 'Total' includes uniformed National Guard and Reserve units not published separately.

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State Fiscal Year 2017" <<http://www.oea.gov/resource/defense-spending-state-fiscal-year-2017>> accessed April 2, 2019.

**Table 10.11-- 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	Construc- tion	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 10.12-- MILITARY CONSTRUCTION PROJECTS IN HAWAII: 2018 TO 2020

[For fiscal year ending September 30. Authorization amount in thousands of dollars]

Year, branch and location	Facility category title	Construction project title	Amount
2018			310,068
Army			115,000
Fort Shafter	Airfield operational buildings	Command and control facility, increment 3	90,000
Pohakuloa Training Area	Enlisted personnel unaccompanied personnel housing	Operational readiness tng cplx (brks), phase1	25,000
Navy			184,568
Kaneohe Bay	Grounds fencing, gates & guard towers	Security improvements Mokapu Gate	26,492
Kaneohe Bay	Airfield runways	LHD pad conversions MV-22 landing pads	19,012
Wahiawa	Communication buildings	Communications/crypto facility	65,864
JBPH-H 1/	Sewage & ind. waste collection lines	Sewer lift station & relief sewer line	73,200
Air Force			5,500
JBPH-H 1/	Training buildings	Consolidated training facility	5,500
National Security Agency			5,000
Kunia	Electric power transmission & dist. lines	NSAH Kunia Tunnel entrance	5,000
2019			361,420
Army			155,000
Fort Shafter	Airfield operational buildings	Command and control facility, increment 4	105,000
Wheeler Army Air Field	Airfield taxiways	Rotary wing parking apron	50,000
Navy			189,420
Kaneohe Bay	Aircraft maintenance facilities	Corrosion control hangar	66,100
Pearl City	Potable water distribution system	Water transmission line	78,320
JBPH-H 1/	Ships & spares maintenance facilities	Drydock waterfront facility	45,000
Air Force			
JBPH-H 1/	Aircraft maintenance facilities	Construct addition to F-22 LO/CRF B3408	17,000

Continued on next page.

Table 10.12-- MILITARY CONSTRUCTION PROJECTS IN HAWAII: 2018 TO 2020 -- Con.

Year, branch and location	Facility category title	Construction project title	Amount
2020			315,540
Army			60,000
Fort Shafter	Airfield operational buildings	Command and control facility, increment 5	60,000
Navy			
Kaneohe Bay	Enlisted personnel unaccompanied personnel housing	Bachelor enlisted quarters	187,840
West Loch	Depot & arsenal ammunition storage	Magazine consolidation, phase 1	134,050
Southern Command			53,790
JBPH-H 1/	Training buildings	SOF Undersea Operational Training Facility	67,700
			67,700

1/ Joint Base Pearl Harbor- Hickam.

Source: U.S. Department of Defense, Office of the Under Secretary of Defense (Comptroller) Defense Budget Materials - FY2020, Military Construction, Family Housing, and Base Realignment and Closure Program (C-1) (March 11, 2019)

<https://comptroller.defense.gov/Portals/45/Documents/defbudget/fy2020/fy2020_c1.pdf> accessed March 11, 2019.

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 2018**

[As of September 30]

Year	All services	Army	Navy and Marine Corps			Air Force	Other defense activities
			Total	Navy	Marine Corps		
1990	19,857	5,548	11,951	(NA)	(NA)	2,244	114
1991	18,978	5,148	11,423	(NA)	(NA)	2,199	208
1992	17,893	4,933	10,886	(NA)	(NA)	1,431	643
1993	17,341	4,839	10,198	(NA)	(NA)	1,398	906
1994	17,038	4,647	9,923	(NA)	(NA)	1,371	1,097
1995	17,179	4,820	10,014	(NA)	(NA)	1,323	1,022
1996	16,824	4,936	9,564	(NA)	(NA)	1,275	1,049
1997	17,216	4,779	9,361	(NA)	(NA)	1,951	1,125
1998	16,028	4,437	9,237	(NA)	(NA)	1,269	1,085
1999	16,318	4,293	8,864	(NA)	(NA)	2,026	1,135
2000	16,723	4,471	8,999	(NA)	(NA)	2,074	1,179
2001	16,699	4,455	9,068	(NA)	(NA)	2,098	1,078
2002	16,508	4,441	8,925	(NA)	(NA)	2,075	1,067
2003	16,602	4,304	9,293	(NA)	(NA)	1,961	1,044
2004	16,576	4,302	9,230	(NA)	(NA)	1,966	1,078
2005	16,307	4,320	9,075	(NA)	(NA)	1,980	932
2006 1/	17,079	4,750	9,130	(NA)	(NA)	2,109	1,090
2007	16,403	4,662	8,922	(NA)	(NA)	2,042	777
2008 2/	16,902	4,805	9,117	8,560	557	2,007	973
2009 2/	17,828	5,212	9,472	8,829	643	2,106	1,038
2010 2/	18,908	5,701	9,938	9,209	729	2,176	1,093
2011 2/	19,198	5,766	10,555	9,865	690	1,808	1,069
2012 2/	19,244	5,723	10,650	9,990	660	1,795	1,076
2013 2/	18,265	5,347	10,112	9,434	678	1,764	1,042
2014 2/	18,057	5,139	10,100	9,417	683	1,787	1,031
2015 2/	18,487	5,104	10,336	9,680	656	1,762	1,285
2016 2/	18,733	5,126	10,568	9,932	636	1,772	1,267
2017 2/	18,739	5,137	10,682	10,071	611	1,674	1,246
2018 2/	19,064	5,171	11,145	10,532	613	1,554	1,194

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 reports containing the number of civilians had been discontinued. As of the reporting for September 30, 2008, Defense Manpower Data Center (DMDC) detailed APF (appropriated fund) data has been substituted which resulted in revision of the 2008 to 2015 data.

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 "Counts of Active Duty and Reserve Service Members and APF Civilians By Location Country, Personnel Category, Service and Component" (annually September 30) <https://www.dmdc.osd.mil/appj/dwp/dwp_reports.jsp> accessed January 23, 2019.

Table 10.15 -- IMPACT OF A \$1 BILLION MILITARY EXPENDITURE: 2018

[Based on inter-industry relationships in 2012. Include direct, indirect, and induced impacts.
Industries sorted for greatest output impact]

Industry sector	Output (millions of dollars)	Labor income (millions of dollars)	Jobs (number)
Total	1,702.7	936.6	10,630
Federal government	820.0	670.1	5,794
Real estate and rentals	158.9	14.2	348
Other manufacturing	119.1	7.9	113
Health services	92.9	47.1	717
Mining and construction	62.2	25.2	267
Retail trade	57.1	19.8	509
Professional services	50.9	26.9	351
Business services	47.5	28.0	646
Wholesale trade	43.7	10.6	127
Finance and insurance	43.4	11.7	211
Other services	34.1	16.5	364
Utilities	32.7	4.4	29
Eating and drinking	28.7	10.6	345
Information	24.3	6.7	79
Transportation	22.8	7.2	120
State and local government	17.6	12.2	152
Food processing	11.8	2.2	52
Accommodation	11.7	3.7	54
Educational services	10.9	6.9	152
Agriculture	6.9	2.3	98
Arts and entertainment	5.4	2.3	102

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/> accessed July 1, 2019.

Table 10.16-- FEDERAL EXPENDITURES FOR ARMY AND AIR NATIONAL GUARD: 2015

[In dollars. For fiscal year ending September 30]

Category	Army National Guard	Air National Guard
Total Federal support	116,690,156	210,990,376
Total funds allotted to U.S. Property & Fiscal Office	54,394,549	170,181,795
National Guard personnel appropriations	1,366,869	1,968,083
Military pay, transportation, and travel	230,700	1,709,884
Military uniform	204,420	146,803
Subsistence	931,749	111,396
Oper. and maint., military constr. approp.	53,027,680	168,213,712
Civilian pay	27,745,044	76,458,700
Transportation and travel	785,632	-
Personnel deployments	-	1,037,260
Equip., supplies & services operations & maint.	24,497,004	90,717,752
Equipment supplies	952,364	347,100
Supplies	716,805	4,084,702
Depot level reparable	-	176,136
Aviation fuel 1/	2,002,212	52,369,734
Other operating supplies & service	2,715,960	1,313,830
Major construction	-	17,808,000
Architectural and engineering services	2,100,000	1,045,000
Minor construction/major repairs	6,467,856	7,330,273
Operations & maintenance agreements	9,541,807	6,242,977
Total funds provided by National Guard Bureau	62,289,607	40,808,581
Annual training pay	5,753,876	3,009,027
Other active duty pay	1,559,841	4,432,614
Inactive duty training pay	12,647,625	14,431,797
Basic training pay	3,686,067	1,184,778
Active Guard Reserve pay	38,642,198	17,750,365

Source: Hawaii Department of Defense, *Annual Report Fiscal Year 2015*
 <<http://dod.hawaii.gov/departments-info/annual-reports/>> accessed August 8, 2019; and
 calculations by the Hawaii Department of Business, Economic Development & Tourism.

Table 10.17-- ARMY AND AIR NATIONAL GUARD STRENGTH: 1980 TO 2015

[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	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		
2015 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 2015) <<http://dod.hawaii.gov/departments-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 2018**

[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]

Year	Federal gov't	Dept. of Defense	Naval Shipyard	Year	Federal gov't	Dept. of Defense	Naval Shipyard
1990	34,200	19,400	(1/)	2005	31,300	16,350	4,150
1991	33,900	18,800	(1/)	2006	31,850	16,650	4,200
1992	33,300	18,100	(1/)	2007	31,750	16,400	4,000
1993	31,800	17,400	(1/)	2008	32,200	16,550	4,100
1994	31,300	16,900	(1/)	2009	33,300	17,500	4,200
1995	31,100	16,800	(1/)	2010	34,800	18,500	4,300
1996	31,100	16,800	(1/)	2011	34,900	19,100	4,300
1997	30,700	17,300	(1/)	2012	34,900	19,100	4,500
1998	30,400	16,900	(1/)	2013	33,900	18,300	4,300
1999	30,300	16,600	(1/)	2014	33,200	17,900	4,500
2000	31,000	16,400	(1/)	2015	33,100	18,100	4,800
2001	30,100	16,500	4,700	2016	33,200	(2/)	(2/)
2002	30,650	16,700	4,950	2017 3/	33,400	(2/)	(2/)
2003	31,650	16,650	4,750	2018 3/	33,600	(2/)	(2/)
2004	31,450	16,600	4,250				

1/ New series in 2001. NAICS series data are not available previously.

2/ Data were benchmarked by Hawaii Department of Labor and Industrial Relations in March 2019.

3/ Series discontinued.

Source: Hawaii State Department of Labor and Industrial Relations, Current Employment Statistics, Historical Jobcount by Industry - Annual "State of Hawaii Not Seasonally Adjusted Jobcount By Detailed Industry"

<<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed March 8, 2019.

Table 10.19-- SELECTIVE SERVICE REGISTRATION FOR HAWAII AND THE UNITED STATES: 2012 TO 2017

[Fiscal year ending September 30 for 2012 to 2014, and FY 2015 and FY 2016 reports show calendar year, and FY 2017 report shows both calendar and fiscal year]

Subject	Registrants 1/	
	Hawaii	United States 2/
FY 2012		
Entire registrant group, 18 - 25 years old, born 1987-1994	64,018	15,825,085
Draft eligible men, 20 - 25 years old, born 1987 - 1992	53,000	12,979,918
FY 2013		
Entire registrant group, 18 - 25 years old, born 1988-1995	65,314	16,086,242
Draft eligible men, 20 - 25 years old, born 1988 - 1993	53,688	13,134,801
FY 2014		
Entire registrant group, 18 - 25 years old, born 1989-1996	65,513	16,202,005
Draft eligible men, 20 - 25 years old, born 1989 - 1994	54,240	13,234,298
CY 2014		
Entire registrant group, 18 - 25 years old, born 1989-1996	68,522	16,902,602
Draft eligible men, 20 - 25 years old, born 1989 - 1994	55,009	13,393,444
CY 2015		
On-time registration eligible men, 18 years old, born 1997	5,922	1,583,759
Entire registrant group, 18 - 25 years old, born 1990-1997	68,594	16,949,847
Draft eligible men, 20 - 25 years old, born 1990 - 1995	55,055	13,422,738
CY 2016		
On-time registration eligible men, 18 years old, born 1998	5,918	1,557,181
Entire registrant group, 18 - 25 years old, born 1991-1998	68,270	16,829,936
2017		
On-time registration eligible men CY 2017, 18 years old, born 1998	5,916	1,537,754
Entire registrant group FY 2017, 18 - 25 years old, born 1991-1998	66,500	16,694,295

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)

<<https://www.sss.gov/Reports/Annual-Report-to-Congress>> accessed April 23, 2019 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
Hawaii	2,307	38.3	(2/)	(2/)	134	34.3	149	20.1
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> 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. *Data Book* updates are 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> accessed February 22, 2007; Procurement Statistics, Special Tabulation 25 - summary of prime contract awards (ST25) <http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/proccstat.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. *Data Book* updates are 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/proccstat.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]

Procurement program	2004	2005	2006 1/	2007 1/
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/proccstat.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: 2014 TO 2018**

[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 <https://www.fpds.gov/wiki/index.php/FPDS-NG_FAQ>. Components may not add to total or subtotal as not are specifically shown. Negative values may reflect refunds, or other contract adjustments. Data extracted from dynamic database may result in change in one or more items which are not indicated as revisions below]

Category 1/	2014	2015	2016	2017	2018
Total contract actions (number) 2/	17,641	30,077	24,399	54,878	55,711
Total contract actions value 2/	2,156,988	1,729,370	1,852,489	1,795,898	2,032,060
Small business 2/	1,016,145	868,501	1,066,437	887,745	983,712
Small business as share of total (%) 2/	47.1	50.2	57.6	49.4	48.4
Small disadvantaged business 2/	613,479	549,506	711,106	518,478	530,545
Women-owned business	163,369	143,392	185,519	174,457	187,584
HUBZone 3/	102,910	88,000	128,259	91,354	102,606
Veteran-owned 2/	120,904	125,291	145,073	142,045	231,230
Service-disabled veteran-owned 2/	92,904	68,577	74,306	86,640	109,520
8(a) firm 2/	398,008	311,918	369,395	349,533	309,241
Javits-Wagner-O'Day Program	21,291	19,901	24,035	23,574	23,461
HBCU 4/	-	-	-	-	-
Educational institutions	23,611	15,621	21,852	9,397	15,091
Asian Pacific	308,517	277,442	284,091	293,491	355,906
Minority institutions	40	-	-	-	-
Local government	1,653	1,120	2,200	2,412	2,160
State government	29,846	20,186	27,774	15,696	18,575
U.S. Tribal government	-	-	-	-	-
American Indian	13,733	11,487	17,304	38,193	23,494
Native American	239,327	189,189	313,387	175,940	147,574
Indian tribe 5/	7,685	5,737	6,822	29,395	8,707
Native Hawaiian-owned 2/	142,164	125,873	162,713	157,660	153,688
Tribally-owned	62,680	11,587	45,271	70,475	30,091
Alaskan Native-owned	94,751	50,026	143,964	115,887	71,300
Asian Indian	22,552	66,265	43,700	19,877	45,331
Minority-owned	682,135	627,343	682,424	552,164	609,440
Black-owned	18,807	18,402	28,216	21,235	45,252
Hispanic-owned	59,385	52,233	35,898	41,404	31,387
Non-profit organization 2/	23,867	20,717	25,076	24,678	24,368
Emerging small business	126,658	70,142	26,049	-952	-1,226
Hospital	138	97	93	87	-132

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/ 2016 revised from previous *Data Book*.

3/ HUBZone Historically underutilized business zone.

4/ HBCU Historically Black Colleges and Universities.

5/ Federally recognized.

Source: Federal Procurement Data System - Next Generation, Geographic Report by Place of Performance, FY 2014 and FY 2015 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed June 24, 2016; FY 2016 and FY 2017 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed March 16, 2018, FY 2018 accessed July 13, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.26-- DEPARTMENT OF DEFENSE PRIME PROCUREMENT
CONTRACTS FOR HAWAII AND THE UNITED STATES:
1998 TO 2018**

[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.

Note: Federal Procurement Data System (FPDS) requires a simple registration consisting of an email but anyone is invited to become a public user]

Year	Hawaii		United States 1/	
	Amount (\$1,000)	Number	Amount (\$1,000)	Number
1998	888,664	3,659	112,363,282	268,715
1999	984,270	3,818	117,592,409	279,061
2000	1,159,555	6,226	125,180,289	316,958
2001	1,307,175	6,186	137,724,643	336,704
2002	1,434,540	8,523	161,416,533	472,007
2003	1,810,699	13,021	195,894,136	593,073
2004	1,783,119	15,551	205,854,664	739,310
2005	2,008,499	55,028	239,372,513	3,251,629
2006	1,958,159	39,286	262,131,223	3,183,594
2007	2,160,199	37,277	298,898,253	3,246,996
2008	2,307,281	33,719	354,986,924	3,356,961
2009	2,383,515	33,066	331,119,808	3,241,852
2010	2,365,417	34,009	323,248,858	3,309,741
2011	2,820,646	35,659	329,439,997	13,589,009
2012	2,551,348	31,771	319,342,497	12,425,461
2013	1,657,042	16,077	268,803,841	9,336,205
2014	2,154,034	17,343	260,750,333	11,512,902
2015	1,730,459	30,097	253,322,049	11,775,750
2016	1,852,489	24,400	278,922,966	12,291,629
2017 2/	1,809,575	54,975	300,629,951	12,673,084
2018	2,032,060	55,711	336,147,925	35,028,378

1/ Includes all 50 states, the District of Columbia, and territories of American Samoa, Guam, Puerto Rico, the Virgin Islands, and the Northern Marianas, and selected contracts of the armed forces in Europe.

2/ Revised from previous *Data Book*.

Source: Federal Procurement Data System, Standard Reports by Place of Performance, FY1998 to FY2016 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed July 25, 2018, and FY2017 and FY2018 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed July 23, 2019.

Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2016

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		4,857	43,683,659	7,063	26,931,683	59,795	35,188	56,365.4
Army total		1,619	15,837,353	3,759	14,429,048	321	297	20,129.3
Army National Guard	Kapolei	25	656,423	-	-	316	292	489.4
NG Kalaeloa		25	656,423	-	-	316	292	489.4
27 other Army sites 3/		1,594	15,180,930	3,759	14,429,048	5	5	19,639.9
Air Force total		160	458,207	14	103,349	1,266	411	662.3
Air Force active		115	200,852	-	-	639	409	310.8
Bellows Air Force Station	Kailua	90	129,791	-	-	486	409	221.3
Kaena Point Satellite Tracking Station	Waianae	25	71,061	-	-	153	-	89.5
Air National Guard		4	31,016	-	1	11	-	36.9
Barking Sands Communication Station	Kekaha	4	31,016	-	1	11	-	36.9
18 other Air Force sites 3/		41	226,339	14	103,348	616	2	314.6
Marine Corps total		656	6,267,695	1,081	3,866,478	4,695	3,364	7,250.4
Marine active		656	6,267,695	1,081	3,866,478	4,450	3,177	7,249.0
Marine Corps Training Area Bellows	Waimanalo	15	116,479	-	-	1,030	28	124.4
Marine Corps Base Camp Smith	Aiea	51	914,679	9	19,010	221	219	707.6
Marine Corps Base Hawaii Kaneohe	Kaneohe	553	4,917,734	919	3,417,954	2,955	2,686	6,056.8
Marine Corps Base Manana Capehart	Pearl City	7	14,484	153	429,514	52	52	193.8
Marine Corps Base Hawaii								
Pearl City Annex	Pearl City	7	255,513	-	-	27	27	93.8
Marine Corps Base Hawaii Puuloa-Oahu	Ewa Beach	23	48,806	-	-	165	165	72.6
3 other Marine sites 3/		-	-	-	-	245	187	1.4

Continued on next page.

**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:
SEPTEMBER 30, 2016 -- 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		2,422	21,120,405	2,209	8,532,809	53,514	31,115	28,323.5
Navy active		2,414	21,103,483	2,199	8,514,385	41,475	25,261	26,931.7
AF Facilities Hawaii	Kekaha	3	31,156	-	-	11	11	21.1
Aiea	Aiea	20	41,221	136	327,409	93	92	175.9
Camp Stover	Wheeler AF Base	1	169	60	316,502	35	35	125.6
Caretaker Site Office Barbers Point HI	Barbers Point	-	-	-	-	678	678	123.4
Ewa	Ewa Beach	218	877,560	-	-	2,323	2,309	787.3
Ford Island	Ford Island	90	1,331,345	63	460,167	445	445	1,693.7
Halawa Housing	Aiea	5	1,603	22	117,216	23	21	53.5
Halawa water storage tanks	Pearl Harbor	-	-	-	-	13	12	111.2
Hale Keiki	Pearl Harbor	7	26,239	-	-	13	11	18.2
Hickam Petroleum Storage Annex	Hickam AF Base	6	7,247	-	-	96	35	422.8
Honolulu	Pearl Harbor	149	1,620,601	1,089	4,232,077	1,058	1,053	2,711.1
Kalaeloa	Barbers Point	161	947,120	-	-	164	163	708.2
Kamokala Ridge	Kekaha	13	27,410	-	-	267	-	22.1
Makaha Ridge	Kokee	16	29,965	-	-	243	-	44.4
Manana Housing/Pw Area	Pearl City	1	775	49	125,391	23	23	53.5
Naval Station Pearl Harbor	Pearl Harbor	946	13,495,837	427	1,643,291	6,179	6,129	15,872.1
PACMISRANFAC Hawaiian Area	Kekaha	221	566,639	41	79,920	17,445	1,924	826.7
Pearl City	Pearl City	35	272,218	252	978,603	629	625	743.6
Red Hill Tank Site	Honolulu	11	12,496	-	-	256	249	657.2
Wahiawa	Wahiawa	114	755,137	60	233,809	712	689	686.9
Waianae	Lualualei	375	1,021,316	-	-	9,228	9,228	793.1
Waiawa Well Site	Waipahu	3	1,250	-	-	85	75	11.3
Waipahu	Waipahu	19	36,179	-	-	1,456	1,454	268.8
61 other Navy sites 3/		8	16,922	10	18,424	12,039	5,854	1,391.8

Continued on next page.

**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:
SEPTEMBER 30, 2016 -- Con.**

1/ This report also inventories leased buildings (60) and square footage (513,803).

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 2017 Baseline (A Summary of DoD's Real Property Inventory)* <<https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY17.pdf>> accessed April 2, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.28-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2017

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		4,872	44,112,009	8,111	33,386,223	228,639	162,076	63,634.9
Army total		1,625	15,989,013	3,040	13,891,118	169,272	127,296	20,660.0
Army active		1,368	13,371,388	2,753	12,918,346	150,935	126,982	17,656.2
Alia Manu Military Reservation	Honolulu	103	281,356	755	2,315,817	531	520	1,324.1
Dillingham Military Res	Wai'aleale	4	3,696	-	-	664	628	45.7
Fort DeRussy	Honolulu	15	796,822	-	-	72	70	342.4
Fort Shafter	Honolulu	153	1,749,915	141	373,996	602	585	1,466.2
Helemano Military Reservation	Wahiawa	21	318,272	216	1,556,062	288	284	1,017.4
Kawaihae Military Reserve	Waimea	1	938	-	-	11	3	19.5
Kilauea Military Reserve	Hawaii Nat'l Park	94	167,411	-	-	67	1	83.8
Kipapa Ammo Storage Site	Mililani	70	179,462	-	-	402	370	162.3
Pohakuloa Training Area	Hilo	174	304,032	4	-	132,410	108,829	674.8
Schofield Barracks Mil Reservation	Wahiawa	556	7,564,615	1,635	362	15,060	15,010	9,954.4
Signal Cable Trunking System	Wahiawa	41	8,871	-	8,651,513	135	-	127.3
Tripler Army Medical Center	Honolulu	39	1,844,019	2	-	367	358	2,322.2
Waianae-Kai Military Reservation	Waianae	48	47,743	-	20,596	14	12	25.7
Waikalkalaua Ammo Storage Tunnels	Mililani	49	104,236	-	-	312	312	90.4
Army National Guard		28	763,626	-	-	316	292	552.2
NG Kalaheo	Kapolei	28	763,626	-	-	316	292	552.2
14 other Army sites 3/		229	1,853,999	287	972,772	18,021	22	2,451.6

Continued on next page.

**Table 10.28-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:
SEPTEMBER 30, 2017 -- 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		149	413,041	24	152,431	1,266	411	760.7
Air Force active		112	195,029	5	16,283	845	409	400.4
Bellows Air Force Station	Kailua	86	119,906	4	9,885	486	409	240.2
Ewa Deep Space Surveillance Site	Ewa Beach	-	-	1	6,398	206	-	54.7
Kaena Point Satellite Tracking Station	Waianae	26	75,123	-	-	153	-	105.5
Air National Guard		4	31,016	-	-	11	-	35.5
Barking Sands Communication Station	Kekaha	4	31,016	-	-	11	-	35.5
17 other Air Force sites 3/		33	186,996	19	136,148	410	2	324.8
Marine Corps total		640	6,194,285	1,850	7,558,294	4,695	3,364	9,390.0
Marine active		640	6,194,285	1,850	7,558,294	4,450	3,177	9,388.3
Marine Corps Training Area Bellows	Waimanalo	15	116,479	-	-	1,030	28	139.8
Marine Corps Base Camp Smith	Aiea	51	919,107	15	35,705	221	219	734.7
Marine Corps Base Hawaii Kaneohe	Kaneohe	539	4,839,843	1,682	7,093,075	2,955	2,686	8,132.9
Marine Corps Base Manana Capehart	Pearl City	7	14,563	153	429,514	52	52	205.2
Marine Corps Base Hawaii								
Pearl City Annex	Pearl City	6	255,288	-	-	27	27	101.3
Marine Corps Base Hawaii Puuloa-Oahu	Ewa Beach	22	49,005	-	-	165	165	74.4
3 other Marine sites 3/		-	-	-	-	245	187	1.7
Navy total		2,458	21,515,670	3,197	11,784,380	53,407	31,003	32,824.3
Navy active		2,437	21,475,974	3,187	11,765,956	41,887	25,660	31,684.2
AF Facilities Hawaii	Kekaha	3	31,156	-	-	11	11	22.0
Aiea	Aiea	21	41,281	233	678,671	93	92	339.2
Camp Stover	Wahiawa	1	169	60	316,502	35	35	136.1
Caretaker Site Office Barbers Point HI	Barbers Point	-	-	-	-	678	678	169.6
Ewa	Ewa Beach	218	874,550	-	-	2,323	2,309	981.1

Continued on next page.

**Table 10.28-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE:
SEPTEMBER 30, 2017 -- 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 active - Con.								
Ford Island	Ford Island	103	1,437,990	294	1,062,276	445	445	2,272.8
Halawa Housing	Aiea	5	1,603	22	117,216	25	21	56.1
Halawa water storage tanks	Pearl Harbor	-	-	-	-	13	12	49.9
Hale Keiki	Pearl Harbor	7	26,239	-	-	13	11	18.8
Hickam	Hickam	7	28,367	-	-	411	399	33.6
Hickam Petroleum Storage Annex	Pearl Harbor	6	7,247	-	-	96	35	359.3
Honolulu	Pearl Harbor	167	1,644,084	1,794	6,534,616	1,058	1,053	3,940.5
Kalaeloa	Barbers Point	148	924,346	-	-	164	163	710.6
Kamokala Ridge	Kekaha	13	27,410	-	-	267	-	36.0
Makaha Ridge	Kokee	16	29,949	-	-	243	-	39.8
Manana Housing/Pw Area	Pearl City	1	775	50	124,809	23	23	58.2
Naval Station Pearl Harbor	Pearl Harbor	941	13,672,726	338	1,423,434	6,178	6,129	17,658.2
PACMISRANFAC Hawaiian Area	Kekaha	222	566,892	41	79,920	17,445	1,924	946.5
Pearl City	Pearl City	35	282,291	252	978,603	629	625	818.7
Red Hill Tank Site	Honolulu	12	12,544	-	-	256	249	709.8
Wahiawa	Wahiawa	114	807,684	103	449,909	712	689	975.9
Waianae	Lualualei	375	1,021,242	-	-	9,228	9,228	1,084.5
Waiawa Well Site	Pearl City	3	1,250	-	-	85	75	11.8
Waipahu	Waipahu	19	36,179	-	-	1,456	1,454	255.2
60 other Navy sites 3/		21	39,696	10	18,424	11,520	5,343	1,140.1

1/ This report also inventories leased buildings (6) and square footage (96,743).

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 2018 Baseline, (A Summary of DoD's Real Property Inventory)* <<https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY18.pdf>> accessed April 2, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.29-- MILITARY INSTALLATIONS BY COMPONENT AND SIZE FOR HAWAII AND THE UNITED STATES: 2016 AND 2017

[As of September 30. Installations by component and size data are not available for 2015]

Location and component	Total	Large 1/	Medium 2/	Small 3/	Other 4/
2016					
Hawaii total	142	5	5	84	48
Army	28	2	3	22	1
Navy	84	2	2	35	45
Air Force	21	-	-	20	1
Marine Corps	9	1	-	7	1
United States total 5/	4,167	120	88	3,269	690
Army	1,588	44	26	1,205	313
Navy 5/	790	25	26	577	162
Air Force	1,528	42	31	1,297	158
Marine Corps	172	8	5	102	57
Washington Headquarters Service 6/	89	1	-	88	-
2017					
Hawaii total	143	6	3	86	48
Army	29	2	3	21	3
Navy	84	3	-	38	43
Air Force	21	-	-	20	1
Marine Corps	9	1	-	7	1
United States total	4,150	121	89	3,208	732
Army	1,565	44	27	1,163	331
Navy	785	24	27	572	162
Air Force	1,535	43	30	1,294	168
Marine Corps	190	9	5	106	70
Washington Headquarters Service	75	1	-	73	1

1/ A large installation has a total plant replacement value (PRV) greater than or equal to \$1.904 billion in 2016 and \$2.067 billion in 2017.

2/ A medium installation has a total plant replacement value (PRV) less than \$1.904 billion and greater than or equal to \$1.015 billion in 2016 and \$1.102 billion and \$2.067 billion in 2017, respectively.

3/ A small installation has a total plant replacement value (PRV) less than \$1.015 billion and greater than 0 in 2016 and \$1.102 billion and 0 in 2017, respectively.

4/ Other installation has a total plant replacement value (PRV) equal to zero - primarily land records.

5/ 'Total', 'Small' and 'Other' revised from previous *Data Book*.

6/ 'Total' and 'Small' revised from previous *Data Book*.

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 2017 Baseline*, pp. DOD-18 and DOD-21 <<https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY17.pdf>> accessed April 22, 2018; Ibid, 2018, pp. DOD-18 and 21 <<https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY18.pdf>> accessed April 2, 2019.

**Table 10.30-- HOUSING UNITS IN SELECTED MILITARY AREA
CENSUS-DESIGNATED PLACES: 2013-2017**

[Average over the 5-year period. Based on a sample and subject to sampling variability]

Geographic area	Total housing units	Occupied housing units		
		Total	Owner	Renter
State total	535,543	455,502	264,622	190,880
Ahuimanu CDP	2,688	2,641	2,147	494
Hickam Housing CDP	2,762	2,522	8	2,514
Iroquois Point CDP	1,132	1,073	-	1,073
Kaneohe Station CDP	2,659	2,521	15	2,506
Schofield Barracks CDP	4,725	4,370	16	4,354
Wheeler AFB CDP	965	899	13	836

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates "DP04: Selected Housing Characteristics" for State of Hawaii and selected Census Designated Places
<<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed July 5, 2019.

**Table 10.31-- 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]

Component and location	Total	New homes	Renovated homes
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 10.32-- MILITARY MONTHLY BASIC ALLOWANCES FOR HOUSING RATES, BY COUNTY: 2019

[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, and average utilities (including electricity, heat, and water/sewer) in local civilian housing markets, and is payable when government quarters are not provided. Total housing costs are calculated for 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	2,277	2,850	2,097	2,160	1,737	2,139	1,572	1,620
E02	2,277	2,850	2,097	2,160	1,737	2,139	1,572	1,620
E03	2,277	2,850	2,097	2,160	1,737	2,139	1,572	1,620
E04	2,277	2,850	2,097	2,160	1,737	2,139	1,572	1,620
E05	2,466	3,039	2,205	2,322	1,962	2,445	1,812	1,845
E06	3,525	3,105	2,679	2,655	2,643	2,676	2,010	2,010
E07	3,585	3,276	2,766	2,733	2,688	2,856	2,097	2,163
E08	3,648	3,465	2,856	2,817	2,736	3,057	2,301	2,388
E09	3,699	3,648	2,934	2,964	3,003	3,069	2,445	2,490
W01	3,540	3,114	2,694	2,670	2,655	2,790	2,067	2,109
W02	3,615	3,357	2,805	2,769	2,712	3,054	2,298	2,385
W03	3,693	3,591	2,919	2,874	3,039	3,075	2,463	2,502
W04	3,705	3,672	2,940	3,000	3,540	3,144	2,703	2,676
W05	3,723	3,768	2,970	3,156	3,600	3,318	2,787	2,751
O01E	3,597	3,312	2,784	2,748	2,697	3,039	2,205	2,322
O02E	3,678	3,555	2,898	2,856	2,931	3,066	2,415	2,469
O03E	3,708	3,684	2,943	3,024	3,522	3,096	2,676	2,652
O01	2,586	3,051	2,262	2,361	2,085	2,658	1,986	1,995
O02	3,510	3,102	2,676	2,652	2,691	2,979	2,172	2,268
O03	3,690	3,582	2,913	2,868	3,144	3,078	2,508	2,535
O04	3,726	3,798	2,973	3,207	3,585	3,288	2,766	2,733
O05	3,741	3,948	3,012	3,450	3,618	3,396	2,817	2,781
O06	3,774	3,984	3,039	3,480	3,675	3,573	2,901	2,856
O07	3,807	4,020	3,063	3,510	3,753	3,648	2,961	2,916

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/bah.cfm>> accessed December 14, 2018.

**Table 10.33-- VETERAN STATUS OF CIVILIANS 17 YEARS AND OVER:
2015 TO 2018**

[As of July 1 for civilian population and September 30 for veteran population. Civilian population 17 and over. Veteran and nonveteran population rounded to the nearest 1,000]

Veteran status 1/	2015	2016	2017	2018
Civilian population	1,081,793	1,088,797	1,087,665	1,087,375
Male	524,264	528,011	526,444	525,502
Female	557,529	560,786	561,221	561,873
Veterans	113,000	113,000	112,000	111,000
Male veterans	102,000	101,000	100,000	99,000
Female veterans	11,000	12,000	12,000	12,000
War veterans 2/	91,000	91,000	91,000	91,000
Persian Gulf War 3/	44,000	47,000	50,000	52,000
Vietnam era	38,000	37,000	36,000	34,000
Korean conflict	8,000	8,000	7,000	6,000
World War II	5,000	4,000	3,000	3,000
World War I	-	-	-	-
Peacetime only	22,000	22,000	21,000	20,000
Nonveterans	968,793	975,797	975,665	976,375

1/ Data may differ somewhat from corresponding data from the previous year's *Data Book* due to revisions in the population estimates.

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.

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, 2018" (May 2019)

<<https://www2.census.gov/programs-surveys/popest/tables/2010-2018/state/asrh/sc-est2018-agesex-civ.csv>>

accessed July 15, 2019; U.S. Department of Veterans Affairs, "Veteran Population Projection Model 2016 (VetPop2016),"Table 7L: VETPOP2016 Living Veterans by State, Period of Service, Gender, 2015-2045"

<https://www.va.gov/vetdata/docs/Demographics/New_Vetpop_Model/7L_VetPop2016_POS_State.xlsx>

accessed July 14, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism. See also "Veteran Population Projection Model 2016 Executive Summary"

<https://www.va.gov/vetdata/docs/Demographics/New_Vetpop_Model/Vetpop16_Executive_Summary.pdf> accessed July 16, 2019.

Table 10.34-- ARMED FORCES STATUS, BY VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER, FOR HAWAII AND THE UNITED STATES: 2017

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Total	1,427,538	325,719,178	0.4
18 years and over	1,121,541	252,070,495	0.4
In Armed Forces 1/	43,073	1,022,845	4.2
Civilian	1,078,468	251,047,650	0.4
Veteran	106,123	18,204,605	0.5
Nonveteran	972,345	232,843,045	0.4
18 to 64 years	867,791	201,254,783	0.4
In Armed Forces 1/	43,073	1,022,845	4.2
Civilian	824,718	200,231,938	0.4
Veteran	57,466	9,117,616	0.6
Nonveteran	767,252	190,214,322	0.4
65 years and over	253,750	50,815,712	0.5
In Armed Forces 1/	-	-	(X)
Civilian	253,750	50,815,712	0.5
Veteran	48,657	9,086,989	0.5
Nonveteran	205,093	42,628,723	0.5
Male	716,350	160,402,504	0.4
18 years and over	558,802	122,729,360	0.5
In Armed Forces 1/	38,087	876,584	4.3
Civilian	520,715	121,852,776	0.4
Veteran	92,722	16,584,495	0.6
Nonveteran	427,993	105,268,281	0.4
18 to 64 years	602,218	137,882,055	0.4
In Armed Forces 1/	195,635	38,549,728	0.5
Civilian	406,583	99,332,327	0.4
Veteran	45,549	7,807,552	0.6
Nonveteran	361,034	91,524,775	0.4
65 years and over	114,132	22,520,449	0.5
In Armed Forces 1/	-	-	(X)
Civilian	114,132	22,520,449	0.5
Veteran	47,173	8,776,943	0.5
Nonveteran	66,959	13,743,506	0.5

Continued on next page.

Table 10.34-- ARMED FORCES STATUS, BY VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER, FOR HAWAII AND THE UNITED STATES: 2017 -- Con.

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Female	711,188	165,316,674	0.4
18 years and over	562,739	129,341,135	0.4
In Armed Forces 1/	4,986	146,261	3.4
Civilian	557,753	129,194,874	0.4
Veteran	13,401	1,620,110	0.8
Nonveteran	544,352	127,574,764	0.4
18 to 64 years	423,121	101,045,872	0.4
In Armed Forces 1/	4,986	146,261	3.4
Civilian	418,135	100,899,611	0.4
Veteran	11,917	1,310,064	0.9
Nonveteran	406,218	99,589,547	0.4
65 years and over	139,618	28,295,263	0.5
In Armed Forces 1/	-	-	(X)
Civilian	139,618	28,295,263	0.5
Veteran	1,484	310,046	0.5
Nonveteran	138,134	28,885,217	0.5

X Not applicable.

1/ Calculated as 'Total' less 'Civilian'.

Source: U.S. Census Bureau, 2017 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 2017 1-Year Estimates for the Demographic and Housing Estimates" <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 24, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.35-- DISTRIBUTION OF VETERANS AFFAIRS POPULATION
AND EXPENDITURES, BY COUNTY: 2017 AND 2018**

[In number of persons and thousands of dollars. Fiscal year ending September 30]

Subject	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
2017						
Veteran population 1/	112,304	15,351	83,651	4	4,403	8,896
Unique patients 2/	27,437	4,516	19,010	(3/)	(3/)	2,417
Total expenditure	1,013,846	125,577	773,903	3	38,892	75,473
Compensation & pension 4/	439,159	62,508	322,380	-	16,522	37,748
Educ. & vocational rehab/emp.	193,663	5,245	184,139	-	1,254	3,025
Medical care 5/	335,741	56,815	224,394	3	20,756	33,773
Insurance & indemnities	14,677	1,008	12,384	-	359	926
Construction	14,146	-	14,146	-	-	-
General operating expenses	16,460	-	16,460	-	-	-
2018						
Veteran population 1/	111,459	15,050	83,356	4	4,316	8,734
Unique patients 2/	28,118	4,593	19,604	(3/)	(3/)	2,400
Total expenditure	996,546	127,910	759,979	7	36,535	72,114
Compensation & pension 4/	436,248	61,963	323,069	-	15,419	35,797
Educ. & vocational rehab/emp.	180,142	5,469	170,659	-	1,241	2,775
Medical care 5/	348,439	59,383	236,628	7	19,600	32,823
Insurance & indemnities	12,380	1,096	10,288	-	276	720
Construction	2,185	-	2,185	-	-	-
General operating expenses	17,151	-	17,151	-	-	-

1/ Veteran population estimated as of September 30. Source obtained data from Office of the Actuary, Department of Veterans Affairs.

2/ Patients who received treatment at a VA health care facility. Data are as published but components do not sum to total.

3/ Fewer than ten or suppresses the next smallest value to prevent imputing any counties with a value less than ten.

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 and Statistics, Expenditures, "Geographic Distribution of VA Expenditures (GDX)" (annual)
<<http://www.va.gov/vetdata/Expenditures.asp>> accessed August 2, 2019.

Table 10.36-- MILITARY RETIREMENT SYSTEM: 2018

[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	18,030	16,850	42,361	2,514
By branch of service				
Army	7,040	6,377	15,490	2,429
Navy	4,965	4,751	12,553	2,642
Marine Corps	1,117	1,014	3,074	3,032
Air Force	4,908	4,708	11,244	2,388
By rank				
Officers	5,210	5,155	20,549	3,986
Nondisability and reserve	4,988	4,979	20,108	4,039
Disability	222	176	441	2,506
Enlisted	12,820	11,695	21,812	1,865
Nondisability and reserve	11,278	11,058	21,138	1,912
Disability	1,542	637	674	1,058
Department of Defense, over 65	8,498	8,086	19,204	2,375
By branch of service				
Army	3,452	3,283	7,298	2,223
Navy	1,965	1,865	5,055	2,710
Marine Corps	405	372	1,160	3,118
Air Force	2,676	2,566	5,690	2,217
By rank				
Officers	2,913	2,888	10,493	3,633
Nondisability and reserve	2,841	2,832	10,312	3,641
Disability	72	56	181	3,232
Enlisted	5,585	5,198	8,711	1,676
Nondisability and reserve	5,254	5,048	8,529	1,690
Disability	331	150	182	1,213

Continued on next page.

Table 10.36-- MILITARY RETIREMENT SYSTEM: 2018 -- Con.

Category	Number retired	Monthly payment 2/ (\$1,000)	Average payment per person paid (dollars)
Department of Defense, concurrent receipt	5,857	9,624	1,643
Concurrent Retirement & Disability Pay (CRDP)	5,252	8,961	1,706
Nondisability	4,764	8,191	1,719
Disability	192	409	2,130
Reserve	296	361	1,220
Combat Related Special Compensation (CRSC)	605	663	1,096
Nondisability	293	440	1,502
Disability	235	168	715
Reserve	77	55	714
Military survivors, by branch of servicemember			
Receiving pay 3/	2,377	2,492	1,048
Army	1,200	1,149	958
Navy	467	543	1,163
Marine Corps	125	176	1,408
Air Force	585	624	1,067
Over 65 receiving pay 3/	2,044	2,155	1,054
Army	1,064	1,012	951
Navy	379	447	1,179
Marine Corps	99	146	1,475
Air Force	502	550	1,096

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/ Under the Retired Servicemen's Family Protection Plan (RSFPP) or the Survivor Benefit Plan. Families of deceased members enrolled in both plans are counted only once. Children of the same deceased member receiving separate benefits are counted individually.

Source: U.S. Department of Defense, Office of the Actuary, *Fiscal Year 2018 DOD Statistical Report on the Military Retirement System* (May 2019) pp. 24-28 and 197-198 <<http://actuary.defense.gov/>> accessed July 5, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table
Number **Table Name**

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

Narrative

11.01	Temporary Assistance to Needy Families, Average Monthly, by Island: 2013 to 2018
11.02	Temporary Assistance to Other Needy Families, Average Monthly, by Island: 2013 to 2018
11.03	Average Monthly Cases Served by the Food Stamp Program, by Island: 1984 to 2018
11.04	Average Monthly Number of Individuals Served by the Food Stamp Program, by Island: 1984 to 2018
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11.06	Old Age, Survivors and Disability Insurance (OASDI) Beneficiaries in Current-Payment Status, by Age and Sex: 2015 to 2017
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11.20	Unemployment Insurance: 1987 to 2017
11.21	Child Day Care Services (NAICS 6244), by Federal Income Tax Status and Broad Geographic Area: 2007 and 2012
11.22	Licensed Group Child Care Centers and Registered Child Care Homes: 2009 to 2018

Table
Number Table Name

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

11.23	501(c)(3) Public Charities in Hawaii, by Type: Circa 2010
11.24	Quality of Life Index Rankings: 1999 to 2019

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 11.01-- TEMPORARY ASSISTANCE TO NEEDY FAMILIES,
AVERAGE MONTHLY, BY ISLAND: 2013 TO 2018**

[Fiscal year ending June 30. Aid to Families with Dependent Children (AFDC) became Temporary Assistance to Needy Families (TANF) effective FY 1998]

Category	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2016								
Cases	5,762	3,186	1,708	264	604	(NA)	452	152
Recipients	15,640	8,601	4,704	673	1,662	(NA)	1,171	491
Expenditures 1/	3,267	1,800	994	137	336	(NA)	243	93
2017								
Cases	4,860	2,686	1,425	229	520	(NA)	390	130
Recipients	12,942	7,154	3,832	573	1,383	(NA)	993	390
Expenditures 1/	2,813	1,558	843	120	292	(NA)	216	77
2018								
Cases	4,239	2,338	1,244	183	474	(NA)	372	102
Recipients	11,287	6,218	3,338	465	1,266	(NA)	962	304
Expenditures 1/	2,503	1,391	743	101	268	(NA)	206	62

NA Not available.

1/ Thousands of dollars.

Source: Hawaii State Department of Human Services, *A Statistical Report on Welfare in Hawaii* (annual) and records.

**Table 11.02-- TEMPORARY ASSISTANCE TO OTHER NEEDY FAMILIES,
AVERAGE MONTHLY, BY ISLAND: 2013 TO 2018**

[Fiscal year ending June 30. Aid to Families with Dependent Children-Unemployed Parent (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
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
2016								
Cases	1,157	877	195	28	57	(NA)	50	7
Recipients	3,889	2,956	644	95	194	(NA)	166	28
Expenditures 1/	568	426	100	14	28	(NA)	25	3
2017								
Cases	890	653	158	25	54	(NA)	48	6
Recipients	2,906	2,139	514	82	171	(NA)	152	19
Expenditures 1/	443	320	83	13	27	(NA)	24	3
2018								
Cases	680	506	117	18	39	(NA)	35	4
Recipients	2,210	1,678	374	46	112	(NA)	98	14
Expenditures 1/	355	260	66	8	21	(NA)	20	1

NA Not available.

1/ Thousands of dollars.

Source: Hawaii State Department of Human Services, *A Statistical Report on Welfare in Hawaii* (annual) and records.

Table 11.03-- AVERAGE MONTHLY CASES SERVED BY THE FOOD STAMP PROGRAM, BY ISLAND: 1984 TO 2018

[Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2016	90,241	50,564	24,024	4,747	10,906	165	9,541	1,200
2017	86,631	48,610	23,273	4,488	10,260	175	8,925	1,160
2018	84,297	47,609	22,701	4,275	9,712	173	8,397	1,142

NA Not available.

Source: Hawaii State Department of Human Services, *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: 1984 TO 2018**

[Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2016	179,138	102,263	46,134	9,314	21,427	360	18,439	2,628
2017	170,850	97,328	44,756	8,763	20,003	363	17,124	2,516
2018	164,788	94,204	43,483	8,267	18,834	343	16,025	2,466

NA Not available.

Source: Hawaii State Department of Human Services, *A Statistical Report on Welfare in Hawaii* (annual) and records.

Table 11.05-- ANNUAL BENEFITS OF THE FOOD STAMP PROGRAM, BY ISLAND: 1994 TO 2018

[In dollars. Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2016	490,595,924	276,992,474	129,892,964	24,836,590	58,873,896	910,749	50,597,805	7,365,342
2017	483,064,100	272,189,423	129,927,369	24,207,079	56,740,229	958,950	48,652,169	7,129,110
2018	474,364,127	269,142,001	127,789,285	23,213,549	54,219,292	928,105	46,127,111	7,164,076

NA Not available.

Source: Hawaii State Department of Human Services, *A Statistical Report on Welfare in Hawaii* (annual) and records.

**Table 11.06-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE
(OASDI) BENEFICIARIES IN CURRENT-PAYMENT STATUS, BY AGE
AND SEX: 2015 TO 2017**

[December data. Based on Master Beneficiary Record, 100 percent data]

Age and sex	2015	2016	2017
Total	256,912	261,513	266,523
17 or under	11,171	10,738	10,643
18 to 54	12,884	12,386	11,895
55 to 61	9,191	9,061	8,978
62 to 64	20,040	19,312	18,650
65 to 69	61,931	62,684	62,724
70 to 74	51,096	54,958	59,114
75 to 79	33,266	34,837	36,651
80 to 84	24,930	24,806	24,921
85 to 89	19,077	18,855	18,595
90 to 99	12,908	13,422	13,848
100 or older	418	454	504
Adult beneficiaries	242,516	247,484	252,563
Men	110,260	112,622	115,124
Women	132,256	134,862	137,439

Source: U.S. Social Security Administration, Office of Retirement and Disability Policy, Office of Research, Evaluation, and Statistics, *Annual Statistical Supplement* (annual), tables 5.J5 and 5.J5.1
<<https://www.ssa.gov/policy/docs/statcomps/supplement/2018/5j.pdf>> accessed June 8, 2019.

**Table 11.07-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE
(OASDI) BENEFICIARIES AND BENEFITS IN CURRENT-PAYMENT
STATUS, BY TYPE OF BENEFIT: 2016 AND 2017**

[December data. Based on Master Beneficiary Record, 100 percent data]

Type of benefit	OASDI beneficiaries		Monthly benefits (\$1,000)	
	2016	2017	2016	2017
Total	261,513	266,523	331,474	349,396
Retirement	213,644	219,239	279,228	296,367
Retired workers	200,592	206,148	270,160	286,915
Spouses	9,215	9,286	6,545	6,869
Children	3,837	3,805	2,523	2,583
Survivors	21,029	21,073	23,924	24,620
Widow(er)s and parents	14,997	14,924	18,590	19,098
Children	6,032	6,149	5,334	5,522
Disability	26,840	26,211	28,321	28,407
Disabled workers	22,275	21,813	26,705	26,803
Spouses	405	392	127	127
Children	4,160	4,006	1,489	1,477
Age 65 and over	210,016	216,357	280,062	297,967
Men	94,154	97,235	137,785	146,684
Women	115,862	119,122	142,277	151,283

Source: U.S. Social Security Administration, Office of Retirement and Disability Policy, Office of Research, Evaluation, and Statistics, *Annual Statistical Supplement* (annual), tables 5.J2, 5.J3 and 5.J4
<<https://www.ssa.gov/policy/docs/statcomps/supplement/2018/5j.pdf>> accessed June 8, 2019.

Table 11.08-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFICIARIES IN CURRENT-PAYMENT STATUS, BY COUNTY: 2017

[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	266,523	206,148	9,286	3,805	14,924	6,149	21,813	392	4,006	97,235	119,122
Hawaii	44,870	33,520	1,175	635	2,475	1,080	5,065	60	860	16,550	17,575
Honolulu	175,700	137,040	6,905	2,375	10,100	3,945	12,665	255	2,415	63,675	82,280
Kalawao	15	10	-	-	5	-	-	-	-	5	10
Kauai	15,385	12,035	440	275	865	325	1,205	30	210	5,780	6,590
Maui	30,550	23,540	765	520	1,480	800	2,880	45	520	11,225	12,670

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.

Source: U.S. Department of Health and Human Services, Social Security Administration, *OASDI Beneficiaries by State and County, 2017*, table 4 <https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2017/hi.pdf> accessed June 8, 2019.

Table 11.09-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS IN CURRENT-PAYMENT STATUS, BY COUNTY: 2017

[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	349,396	286,915	6,869	2,583	19,098	5,522	26,803	127	1,477	146,684	151,283
Hawaii	56,441	44,734	847	407	3,148	897	6,105	17	287	24,001	21,543
Honolulu	233,223	193,445	5,132	1,623	12,880	3,616	15,529	81	917	97,317	105,551
Kalawao	18	17	-	-	1	-	-	-	-	6	12
Kauai	19,835	16,345	317	193	1,121	293	1,475	12	80	8,526	8,198
Maui	39,878	32,375	573	361	1,948	716	3,694	17	194	16,834	15,979

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.

Source: U.S. Department of Health and Human Services, Social Security Administration, *OASDI Beneficiaries by State and County, 2017*, table 5 <https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2017/hi.pdf> accessed June 8, 2019.

**Table 11.10-- NUMBER AND PERCENT RECEIVING OLD AGE,
SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS
FOR HAWAII AND THE UNITED STATES: 2017**

[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
Hawaii	1,428	18.7	254	85.3
United States	325,719	19.0	50,859	90.1

1/ Population estimates as of July 1, 2017, 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, 2017, table 1

<https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2017/hi.pdf> accessed June 8, 2019.

**Table 11.11-- SOCIAL SECURITY BENEFICIARIES AND BENEFITS PAID:
1991 TO 2017**

[December data unless otherwise specified. Prior to 2006 based on 10-percent samples
2006 and after based on Master Beneficiary Record, 100 percent data]

Year	Number of beneficiaries 1/	Monthly benefits (\$1,000) 1/	Estimated total annual benefits paid (million dollars)
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
2015	256,912	320,859	3,790
2016	261,513	331,474	3,911
2017	266,523	349,396	4,051

1/ Prior to 2007 includes special age-72 beneficiaries.

Source: U.S. Social Security Administration, Office of Retirement and Disability Policy, Office of Research, Evaluation, and Statistics, *Annual Statistical Supplement* (annual), tables 5.J1, 5.J2 and 5.J4
<<https://www.ssa.gov/policy/docs/statcomps/supplement/2018/5j.pdf>> accessed June 8, 2019.

Table 11.12-- MEDICARE BENEFICIARIES ENROLLED: 2015 TO 2017

Coverage	All persons			Persons 65 and over		
	2015	2016	2017	2015	2016	2017
Hospital (Part A) and/or supplementary medical insurance (Part B)	244,897	251,978	259,408	221,147	228,559	236,201
Hospital insurance (Part A and B, and Part A only)	244,252	251,274	258,623	220,503	227,855	235,418
Hospital insurance (Part A only)	29,707	31,320	33,432	26,983	28,818	30,910
Supplementary medical insurance (Part A and B, and Part B only)	215,190	220,658	225,975	194,164	199,741	205,291
Supplementary medical insurance (Part B only)	645	704	784	644	704	783
Hospital (Part A) and supplementary medical insurance (Part B)	214,545	219,954	225,191	193,520	199,037	204,508

Source: U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services
 <<http://www.cms.hhs.gov/MedicareEnrpts>> accessed July 6, 2019; 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]

Year	Honolulu	Hawaii	Maui 1/	Kauai
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: 2017**

[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	418	396	253	396
With a hearing difficulty	418	396	253	396
With a vision difficulty	-	269	-	269
Age 5 to 17 years				
With any disability	4,221	3,114	3,143	2,192
With a hearing difficulty	406	626	311	241
With a vision difficulty	585	1,219	184	868
With a cognitive difficulty	2,876	1,325	2,422	1,145
With an ambulatory difficulty	218	830	201	582
With a self-care difficulty	774	865	663	572
Age 18 to 34 years				
With any disability	8,349	5,819	6,181	4,997
With a hearing difficulty	1,720	761	1,500	513
With a vision difficulty	2,271	1,745	1,398	1,394
With a cognitive difficulty	3,766	3,573	2,406	2,991
With an ambulatory difficulty	2,253	1,203	1,431	895
With a self-care difficulty	1,743	640	989	354
With an independent living difficulty	2,890	2,083	1,673	1,587
Age 35 to 64 years				
With any disability	22,786	22,515	14,312	15,156
With a hearing difficulty	5,967	4,170	3,687	2,679
With a vision difficulty	4,085	4,526	3,001	2,999
With a cognitive difficulty	8,977	7,948	5,109	5,171
With an ambulatory difficulty	10,119	11,068	6,801	7,679
With a self-care difficulty	3,479	3,346	2,543	1,970
With an independent living difficulty	6,986	8,050	4,289	4,709

Continued on next page.

**TABLE 11.14-- DISABILITY STATUS AND NUMBER OF PERSONS
WITH A DISABILITY, FOR THE STATE AND OAHU: 2017 -- Con.**

Age and disability status	State total		Oahu	
	Male	Female	Male	Female
65 to 74 years				
With any disability	15,734	12,799	9,804	7,981
With a hearing difficulty	6,971	2,243	4,485	1,447
With a vision difficulty	2,148	1,809	1,216	1,289
With a cognitive difficulty	3,739	2,665	2,437	1,776
With an ambulatory difficulty	8,023	8,762	4,906	5,331
With a self-care difficulty	2,176	1,377	1,354	1,116
With an independent living difficulty	3,531	3,373	2,082	2,310
75 years and over				
With any disability	21,475	31,233	14,633	21,704
With a hearing difficulty	11,837	13,216	7,429	8,408
With a vision difficulty	2,862	5,078	2,050	3,062
With a cognitive difficulty	5,989	10,211	4,105	7,713
With an ambulatory difficulty	11,961	21,413	7,906	15,377
With a self-care difficulty	4,789	8,558	3,419	6,154
With an independent living difficulty	8,570	17,861	6,313	13,789

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed
June 8, 2019.

**Table 11.15-- PERSONS SERVED BY STATE HOMELESS PROGRAMS,
BY COUNTY: 2011 TO 2017**

[Fiscal year ending June 30]

Year and program	State	City and County of Honolulu	Hawaii County	Maui County	Kauai County
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
2016					
Rapid Rehousing	973	460	287	208	18
Outreach	8,702	5,268	1,263	1,936	235
Shelter	7,313	5,180	612	1,191	330
2017					
Rapid Rehousing	2,022	1,250	400	331	41
Outreach	8,892	5,735	1,010	1,738	409
Shelter	8,343	5,731	688	1,606	318

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 June 11, 2019.

**Table 11.16-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE
STATE HOMELESS OUTREACH PROGRAMS: 2013 TO 2016**

[Fiscal year ending June 30]

Subject	Participants			
	2013	2014	2015	2016
State total	7,415	7,608	8,030	8,702
City & County of Honolulu	4,837	4,391	4,755	5,268
Hawaii	832	1,401	1,514	1,263
Maui	1,328	1,488	1,384	1,936
Kauai	418	328	377	235
Age				
Under 6	430	520	493	496
6 to 17	455	467	479	648
18 to 24	615	670	671	609
25 to 39	1,835	1,976	1,967	1,969
40 to 59	3,267	3,235	3,247	3,087
60 or over	622	623	798	871
Gender 1/				
Male	4,626	4,621	4,753	4,821
Female	2,757	2,952	3,149	3,231
Ethnicity 2/				
Caucasian / white	3,045	2,978	2,815	2,516
Hawaiian / part Hawaiian	2,140	2,191	2,441	2,463
Black	395	356	398	371
Filipino	404	379	421	370
Marshallese	190	300	325	219
Micronesian	327	511	451	424
Other Asian	352	306	343	339
Other Pacific Islander	351	336	352	370
Native American	155	161	159	161
Other / unknown	56	90	325	1,469
Hawaii residence				
1 year or less	585	431	731	(NA)
More than 1 year, less than 10 years	979	1,227	1,300	(NA)
10 years to less than 20 years	563	663	646	(NA)
20 years and over	3,348	3,311	3,473	(NA)

Continued on next page.

Table 11.16-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE STATE HOMELESS OUTREACH PROGRAMS: 2013 TO 2016 -- Con.

Subject	Participants			
	2013	2014	2015	2016
Employment status				
Unemployed	5,125	5,300	5,298	2,781
Employed part-time	525	503	586	236
Employed full-time	172	344	402	188
Educational attainment				
Less than high school diploma 3/	1,391	1,482	1,471	746
High school diploma/GED	3,232	3,679	3,711	1,786
Some college or more	1,162	863	911	537
Length of homelessness 4/				
1 day or less	176	249	(NA)	(NA)
2 days to less than 1 month	1,107	1,191	(NA)	(NA)
1 month to less than 1 year	2,167	2,285	(NA)	(NA)
1 to 2 years	876	916	(NA)	(NA)
3 years or more	1,052	1,077	(NA)	(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/ High school seniors who have not yet graduated at the time of intake are included in the "less than high school diploma" category.

4/ "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 June 26, 2017.

**Table 11.17-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE
STATE HOMELESS SHELTER PROGRAMS: 2013 TO 2016**

[Fiscal year ending June 30]

Subject	Participants			
	2013	2014	2015	2016
State total	8,699	8,574	8,844	7,313
City & County of Honolulu	6,234	6,039	6,364	5,180
Hawaii	565	746	783	612
Maui	1,557	1,448	1,345	1,191
Kauai	343	341	352	330
Age				
Under 6	1,550	1,512	1,446	906
6 to 17	1,370	1,345	1,379	1,150
18 to 24	751	720	718	554
25 to 39	2,123	2,039	2,093	1,811
40 to 59	2,367	2,368	2,498	2,157
60 or over	498	564	696	674
Gender 1/				
Male	4,757	4,685	4,856	4,111
Female	3,908	3,867	3,964	3,179
Ethnicity 2/				
Caucasian / white	2,137	2,229	2,361	2,069
Hawaiian / part Hawaiian	2,444	2,539	2,626	2,112
Black	455	492	514	393
Filipino	469	436	496	397
Marshallese	897	725	663	422
Micronesian	1,119	1,120	1,077	799
Other Asian	375	384	394	311
Other Pacific Islander	605	486	499	431
Native American	131	123	166	120
Other / unknown	67	40	48	259
Hawaii residence				
1 year or less	482	325	651	(NA)
More than 1 year, less than 10 years	1,333	1,408	1,402	(NA)
10 years to less than 20 years	440	617	678	(NA)
20 years and over	2,761	2,797	2,957	(NA)

Continued on next page.

Table 11.17-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE STATE HOMELESS SHELTER PROGRAMS: 2013 TO 2016 -- Con.

Subject	Participants			
	2013	2014	2015	2016
Employment status				
Unemployed	4,051	4,062	4,327	1,696
Employed part-time	808	825	778	378
Employed full-time	733	823	912	401
Educational attainment				
Less than high school diploma 3/	1,480	1,390	1,383	585
High school diploma/GED	2,830	3,277	3,606	1,469
Some college or more	1,251	879	856	384
Length of homelessness 4/				
1 day or less	1,082	1,010	(NA)	(NA)
2 days to less than 1 month	870	903	(NA)	(NA)
1 month to less than 1 year	1,564	1,632	(NA)	(NA)
1 to 2 years	507	573	(NA)	(NA)
3 years or more	361	355	(NA)	(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/ High school seniors who have not yet graduated at the time of intake are included in the "Less than high school diploma" category.

4/ "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 June 26, 2017.

**Table 11.18-- HOMELESS PERSONS, BY SURVEY CATEGORY,
BY COUNTY: 2015 TO 2019**

Year and survey category	State	City & County of Honolulu	County of Maui	County of Hawaii	County of Kauai
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	1,243	909	212	94	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
January 2017					
Homeless persons	7,220	4,959	896	953	412
Sheltered 1/	3,420	2,635	395	275	115
Households with children	539	399	80	41	19
Persons in families	2,162	1,622	275	183	82
Single individuals	1,258	1,013	120	92	33
Unsheltered 2/	3,800	2,324	501	678	297
Households with children	127	59	7	42	19
Persons in families	523	225	21	196	81
Single individuals	3,277	2,099	480	482	216

Continued on next page.

**Table 11.18-- HOMELESS PERSONS, BY SURVEY CATEGORY,
BY COUNTY: 2015 TO 2019 -- Con.**

Year and survey category	State	City & County of Honolulu	County of Maui	County of Hawaii	County of Kauai
January 2018					
Homeless persons	6,530	4,495	873	869	293
Sheltered 1/	3,055	2,350	399	200	106
Households with children	(NA)	340	(NA)	(NA)	(NA)
Persons in families	(NA)	1,361	(NA)	(NA)	(NA)
Single individuals	(NA)	989	(NA)	(NA)	(NA)
Unsheltered 2/	3,475	2,145	474	669	187
Households with children	(NA)	67	(NA)	(NA)	(NA)
Persons in families	(NA)	229	(NA)	(NA)	(NA)
Single individuals	(NA)	1,916	(NA)	(NA)	(NA)
January 2019					
Homeless persons	6,448	4,453	(NA)	(NA)	(NA)
Sheltered 1/	2,810	2,052	(NA)	(NA)	(NA)
Households with children	(NA)	(NA)	(NA)	(NA)	(NA)
Persons in families	(NA)	1,069	(NA)	(NA)	(NA)
Single individuals	(NA)	983	(NA)	(NA)	(NA)
Unsheltered 2/	3,638	2,401	(NA)	(NA)	(NA)
Households with children	(NA)	(NA)	(NA)	(NA)	(NA)
Persons in families	(NA)	288	(NA)	(NA)	(NA)
Single individuals	(NA)	2,113	(NA)	(NA)	(NA)

NA Not available.

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;
Partners in Care, *The Oahu 2019 point in time count, comprehensive report*
<<http://partnersincareoahu.org/point-time-count-oahu>> accessed June 11, 2019.

**Table 11.19-- HAWAII STATE EMPLOYEES' RETIREMENT SYSTEM:
1992 TO 2018**

[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	2,269	14,032,964
2016	75,118	45,506	14,069,979	1,232,589	2,318	13,960,587
2017	75,152	46,927	15,698,324	1,306,789	2,375	14,986,159
2018	75,520	48,569	16,598,408	1,395,881	(NA)	15,784,490

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.hawaii.gov/resources/financials>> accessed June 13, 2019, and records.

Table 11.20-- UNEMPLOYMENT INSURANCE: 1987 TO 2017

[Covering private industry, Federal, State and County governments and nonprofit organizations]

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	37.8	364.79	49,900	149.50	13.4
1988	485,707	6,708	40.8	392.73	50,659	162.51	13.5
1989	508,673	5,238	39.4	415.75	40,833	170.03	12.0
1990	533,229	5,722	38.9	444.92	50,269	189.40	11.4
1991	541,415	8,106	49.4	463.43	83,530	205.70	13.0
1992	544,718	11,933	47.2	492.94	144,741	235.48	14.8
1993	542,333	13,227	50.3	503.02	165,877	246.31	17.6
1994	540,015	15,228	47.1	514.13	193,878	258.72	17.4
1995	535,640	15,819	45.9	518.88	208,316	262.21	16.0
1996	533,123	15,351	41.0	526.04	200,050	261.07	17.8
1997	534,210	13,819	37.0	545.20	176,659	259.30	17.1
1998	533,147	12,978	35.4	558.83	162,013	258.08	16.4
1999	536,979	11,042	34.0	573.11	140,528	265.78	16.5
2000	552,445	8,755	34.0	587.99	111,665	273.16	15.4
2001	556,447	11,884	43.3	601.21	150,142	282.46	12.8
2002	557,876	12,304	48.5	628.56	164,500	279.64	19.2
2003	568,549	10,669	43.0	649.31	144,864	297.67	15.7
2004	584,227	8,513	41.0	677.21	121,244	311.69	15.6
2005	602,837	6,569	36.6	699.36	97,794	328.44	14.2
2006	616,950	6,609	39.6	727.10	107,255	356.79	13.3
2007	624,931	7,032	39.4	759.24	121,595	373.53	13.6
2008	618,612	11,817	42.9	782.72	226,187	405.92	13.9
2009	591,054	20,484	45.4	795.90	401,227	411.08	18.9
2010	585,298	17,837	39.7	803.18	341,545	406.43	19.7
2011	592,537	14,721	32.7	817.49	278,391	405.08	18.4
2012	603,796	13,085	33.6	835.33	254,098	412.68	17.9
2013	617,022	11,670	36.6	843.89	227,929	415.82	16.7
2014	625,077	10,115	34.9	870.27	197,493	421.85	16.7
2015	636,403	7,891	1/ 32.9	900.48	157,488	432.89	15.3
2016	645,601	7,210	1/ 35.7	928.64	146,081	446.98	14.3
2017	652,259	7,815	47.1	955.93	174,256	483.53	15.6

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]

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> accessed May 28, 2010 and 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 GROUP CHILD CARE CENTERS AND REGISTERED CHILD CARE HOMES: 2009 TO 2018

[Fiscal year ending June 30]

Subject	2009	2010	2011	2012 1/	2013
Licensed group child care centers 2/	626	633	646	626	627
Registered child care homes	675	674	656	604	581
Licensed child care slots available	35,874	36,001	36,634	35,534	35,468
Subject	2014	2015	2016	2017	2018
Licensed group child care centers 2/	619	623	638	635	622
Registered child care homes	546	535	482	461	426
Licensed child care slots available	34,935	35,332	35,988	36,070	35,548

1/ In FY 2012 the fewer number of children receiving child care subsidies may be attributed to changes in the child care rules that included reduced child care services rate, and increased sliding scale fees. The decrease in subsidies for most families resulted in many changing child care providers or dropping out of the subsidy programs.

2/ Includes group child care homes, before and after school, and infant/toddler centers.

Source: Hawaii State Department of Human Services, *Department of Human Services, Annual Report* (annual) <<http://humanservices.hawaii.gov/reports/annual-reports/>> accessed June 13, 2019.

**Table 11.23-- 501(c)(3) PUBLIC CHARITIES IN HAWAII, BY TYPE:
CIRCA 2010**

[Dollar amounts in millions]

Type	No. of organi- zations	Total assets	Total liabilities	Contribu- tions, gifts & grants	Total revenue	Total expenses
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.**

Type	No. of organi- zations	Total assets	Total liabilities	Contribu- tions, gifts & grants	Total revenue	Total expenses
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: 1999 TO 2019

Publication and year	State rank 1/	Publication and year	State rank 1/
Morgan Quitno, 1999	41	CQ Press, 2009	20
Morgan Quitno, 2000	43	CQ Press, 2010	17
Morgan Quitno, 2001	34	CQ Press, 2011	20
Morgan Quitno, 2002	43	CQ Press, 2013	23
Morgan Quitno, 2003	41	CQ Press, 2014	22
Morgan Quitno, 2004	32	CQ Press, 2015	32
Morgan Quitno, 2005	26	CQ Press, 2016	19
Morgan Quitno, 2006	22	CQ Press, 2017	21
Morgan Quitno, 2007	19	CQ Press, 2018	(NA)
CQ Press, 2008 2/	21	CQ Press, 2019	20

NA Not available.

1/ Rank among 50 states where 1 indicates highest quality of life.

2/ Morgan Quitno Press was acquired by CQ Press on June 21, 2007.

Source: Morgan Quitno, *State Rankings* (annual); CQ Press, *State Rankings* (annual).

Table
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Narrative

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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 24.

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, annual reports by the Hawaii Department of Human Resources Development, 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*.

Table 12.01-- LABOR FORCE STATUS, BY SEX: 2012 TO 2017

[Data are based on a sample and are subject to sampling variability]

Sex and labor force status	2012	2013	2014	2015	2016	2017
BOTH SEXES						
Persons 16 years & over	1,122,846	1,128,541	1,143,931	1,152,884	1,152,321	1,153,457
Labor force	735,451	730,827	741,561	754,691	756,610	753,340
Percent in labor force	65.5	64.8	64.8	65.5	65.7	65.3
Armed forces	37,549	45,642	39,496	44,452	38,327	43,073
Civilian labor force	697,902	685,185	702,065	710,239	718,283	710,267
Employed	648,504	643,571	664,180	675,214	686,487	680,505
Unemployed	49,398	41,614	37,885	35,025	31,796	29,782
% of civ. lab. force	7.1	6.1	5.4	4.9	4.4	4.2
Not in labor force	387,395	397,714	402,370	398,193	395,711	400,117
MALE						
Persons 16 years & over	563,029	568,536	575,572	582,188	576,426	575,702
Labor force	400,770	399,951	403,642	412,721	408,395	406,005
Percent in labor force	71.2	70.3	70.1	70.9	70.8	
Armed forces	33,816	40,615	35,471	40,417	33,604	38,087
Civilian labor force	366,954	359,336	368,171	372,304	374,791	367,918
Employed	339,042	336,565	346,145	354,372	357,986	352,523
Unemployed	27,912	22,771	22,026	17,932	16,805	15,415
% of civ. lab. force	7.6	6.3	6.0	4.8	4.5	3.8
Not in labor force	162,259	168,585	171,930	169,467	168,031	169,697
FEMALE						
Persons 16 years & over	559,817	560,005	568,359	570,696	575,895	577,755
Labor force	334,681	330,876	337,919	341,970	348,215	347,335
Percent in labor force	59.8	59.1	59.5	59.9	60.5	60.1
Armed forces	3,733	5,027	4,025	4,035	4,723	4,986
Civilian labor force	330,948	325,849	333,894	337,935	343,492	342,349
Employed	309,462	307,006	318,035	320,842	328,501	327,982
Unemployed	21,486	18,843	15,859	17,093	14,991	14,367
% of civ. lab. force	6.5	5.8	4.7	5.1	4.4	4.1
Not in labor force	225,136	229,129	230,440	228,726	227,680	230,420

Source: 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 April 15, 2019;
 and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 12.02-- LABOR FORCE CHARACTERISTICS, BY COUNTY: 2013-2017

[In number and percent. Average of 2013-2017]

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Population 16 to 64 years	907,788	121,547	637,298	72	44,208	104,663
Male	465,099	60,429	329,976	40	22,152	52,502
Worked in past 12 months (percent)	82.2	72.2	84.1	87.5	81.9	82.0
Usually worked 35 or more hours per week (percent)	68.7	56.3	71.2	82.5	66.9	68.0
50 to 52 weeks (percent)	66.9	55.0	69.2	82.5	66.4	66.9
Female	442,689	61,118	307,322	32	22,056	52,161
Worked in past 12 months (percent)	74.6	69.2	74.9	93.7	77.9	77.2
Usually worked 35 or more hours per week (percent)	53.7	46.3	54.6	84.4	58.1	55.2
50 to 52 weeks (percent)	57.3	52.5	57.4	84.4	65.3	59.5
Females 16 years and over	573,554	79,793	398,427	44	28,989	66,301
In labor force	343,667	44,629	237,939	32	18,313	42,754
Employed or in armed forces	339,028	44,614	233,384	32	18,259	42,739
Own children under 18 years in families and subfamilies	287,197	39,821	198,986	-	14,894	33,496
Under 6 years	103,257	13,771	72,798	-	5,410	11,278
All parents in family in labor force	65,153	8,811	44,141	-	3,850	8,351
All parents in family in labor force (percent)	63.1	64.0	60.6	0.0	71.2	74.0
Living with two parents, both parents in labor force	40,000	4,222	28,867	-	2,051	4,860
Living with two parents, mother only in labor force	2,074	258	1,587	-	104	125
Living with one parent (mother), mother in labor force	16,509	2,846	10,389	-	1,170	2,104

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, for Hawaii State and counties "S2303 Work Status in the Past 12 Months"; "B23008 Age of Own Children Under 18 Years in Families and Subfamilies, by Living Arrangements, by Employment Status of Parents"; and "DP03 Selected Economic Characteristics: 2013-2017" <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed April 17, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.03-- SELECTED LABOR FORCE AND COMMUTING CHARACTERISTICS,
BY COUNTY: 2013-2017**

[Average of 2013-2017]

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Employment status						
Population 16 years and over	1,145,914	157,779	799,878	84	57,037	131,136
In labor force	746,440	91,392	528,905	67	37,686	88,390
Civilian labor force	706,138	91,187	489,321	63	37,434	88,133
Employed	671,758	84,962	467,165	63	35,783	83,785
Unemployed	34,380	6,225	22,156	-	1,651	4,348
Percent unemployed	4.9	6.8	4.5	0.0	4.4	4.9
Armed forces	40,302	205	39,584	4	252	257
Not in labor force	399,474	66,387	270,973	17	19,351	42,746
Females 16 years and over	573,554	79,793	398,427	44	28,989	66,301
In labor force	343,667	44,629	237,939	32	18,313	42,754
Civilian labor force	339,028	44,614	233,384	32	18,259	42,739
Employed	323,099	41,699	223,042	32	17,539	40,787
Own children under 6 years	103,257	13,771	72,798	-	5,410	11,278
All parents in family in labor force 1/	65,153	8,811	44,141	-	3,850	8,351
Commuting to work						
Workers 16 years and over	695,140	82,865	495,099	64	35,069	82,043
Car, truck, or van - drove alone	466,216	61,137	316,860	21	28,051	60,147
Car, truck or van - carpooled	95,171	10,429	70,739	6	3,139	10,858
Public trans. (excluding taxicab)	46,028	994	42,547	0	264	2,223
Walked	31,668	1,793	26,820	26	1,002	2,027
Other means	24,167	1,549	19,957	7	458	2,196
Worked at home	31,890	6,963	18,176	4	2,155	4,592
Mean travel time to work (min.)	27	25	29	7	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, 2013-2017 American Community Survey 5-Year Estimates, "DP03 Selected Economic Characteristics: 2013-2017 State of Hawaii, and County: Honolulu, Hawaii, Kauai, Maui, Kalawao"

<<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed June 1, 2019.

Table 12.04-- LABOR FORCE STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS AND OVER: ANNUAL AVERAGE, 2016 TO 2018

[Numbers in thousands and percent. The source sample was redesigned to reflect the 2010 population and incorporated other changes, including collapsed age categories. Prior to 2016, the category was '16 to 19'. 2018 data are preliminary. See also "Expanded State Employment Status Demographic Data" <<https://www.bls.gov/lau/ex14tables.htm>>]

Population group	Persons 16 years and over			20 to 24 years (both sexes)
	Both sexes	Men	Women	
2016				
Civilian noninstitutional population	1,093	535	558	88
Civilian labor force	686	362	324	63
Percent of population	62.7	67.6	58.0	71.1
Employment	665	351	313	59
Percent of population	60.8	65.6	56.2	66.6
Unemployment	21	11	10	4
Rate	3.0	2.9	3.2	6.3
Not in civilian labor force	407	173	234	25
2017				
Civilian noninstitutional population 1/	1,096	530	566	89
Civilian labor force 1/	684	357	327	69
Percent of population 1/	62.4	67.4	57.8	77.8
Employment	668	348	320	66
Percent of population 1/	60.9	65.6	56.6	74.0
Unemployment 1/	16	9	7	3
Rate	2.4	2.6	2.2	5.0
Not in civilian labor force 1/	412	173	239	20
2018				
Civilian noninstitutional population	1,095	529	567	78
Civilian labor force	680	351	330	56
Percent of population	62.1	66.3	58.2	71.2
Employment	663	340	322	54
Percent of population	60.5	64.4	56.9	68.8
Unemployment	18	10	7	2
Rate	2.6	3.0	2.2	3.4
Not in civilian labor force	415	178	237	22

1/ Revised from previous *Data Book*.

Source: U.S. Bureau of Labor Statistics, *Local Area Unemployment Statistics*, "2016 Data on Employment Status by State and Demographic Group" <<https://www.bls.gov/lau/table14full16.pdf>> accessed July 14, 2018; "2017 Data on Employment Status by State and Demographic Group" <<http://www.bls.gov/lau/table14full17.pdf>> accessed June 2, 2019; "Preliminary 2018 Data on Employment Status by State and Demographic Group" <<http://www.bls.gov/lau/ptable14full2018.pdf>> accessed April 2, 2019; 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: 2017 AND 2018**

[Totals may not add due to rounding. Estimates from Annual Local Area Unemployment Statistics (LAUS) and based on U.S. Census Bureau, American Community Survey 5-year average]

Race or origin 1/	Civilian labor force		Unemployed (percent)	
	Both sexes	Female	Both sexes	Female
2017				
Both sexes (one, two or more races, & Hispanic-Latino)	737,200	355,250	2.5	2.1
Both sexes, not Hispanic-Latino	685,400	329,850	2.4	1.9
One race (excluding Hispanic-Latino)	569,600	273,400	2.2	1.8
White	177,450	79,350	2.6	2.3
Black or African American	9,200	3,500	2.8	2.3
American Indian and Alaska Native	1,100	600	1.3	1.0
Asian	308,950	156,500	1.4	1.1
Native Hawaiian and other Pacific Islander	63,400	28,950	4.0	3.6
Some other race	9,500	4,500	5.9	5.5
Two or more races	115,850	56,400	3.4	2.6
Both sexes, Hispanic or Latino	51,750	25,450	4.3	3.8
Both sexes, minority group	559,750	275,950	2.5	2.0
2018				
Both sexes (one, two or more races, & Hispanic-Latino)	678,700	327,150	2.4	2.0
Both sexes, not Hispanic-Latino	631,050	303,750	2.3	1.9
One race (excluding Hispanic-Latino)	524,400	251,800	2.1	1.8
White	163,350	73,050	2.5	2.2
Black or African American	8,450	3,250	2.7	2.3
American Indian and Alaska Native	1,000	550	1.3	0.9
Asian	284,500	144,150	1.4	1.1
Native Hawaiian and other Pacific Islander	58,350	26,650	3.9	3.5
Some other race	8,750	4,150	5.8	5.4
Two or more races	106,650	51,950	3.3	2.6
Both sexes, Hispanic or Latino	47,650	23,400	4.2	3.7
Both sexes, minority group	515,350	254,100	2.4	2.0

1/ Based on Census definitions. Race is classified by self-identification.

Source: Hawaii State Department of Labor & Industrial Relations, Labor Force Info for Affirmative Action Programs, "Table 1. Labor Force Information by Sex & Race: 2017"

<<https://www.hiwi.org/gsipub/index.asp?docid=462>> accessed July 14, 2018; Ibid. 2018 (posted April 3, 2019) accessed July 5, 2019.

**Table 12.06-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE:
ANNUAL AVERAGE, 1990 TO 2018**

[Data rounded to nearest 50, except percent employed which is rounded to 0.1 percent]

Year	Labor force	Employed	Unemployed	
			Number	Percent
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	660,250	615,300	44,950	6.8
2012	647,200	608,300	38,900	6.0
2013	651,550	619,700	31,850	4.9
2014 1/	665,450	636,500	28,950	4.4
2015 1/	673,950	649,950	24,000	3.6
2016 1/	682,950	662,800	20,200	3.0
2017 1/	683,600	667,000	16,600	2.4
2018 1/	678,750	662,150	16,600	2.4

1/ DLIR benchmarked data in March, 2019. 2014 to 2017 reflect revised population controls and model reestimation. 2014 to 2017 labor force, employed and unemployed, and 2016 unemployment percent 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> accessed March 8, 2019.

**Table 12.07-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION
FOR HAWAII AND THE UNITED STATES AVERAGE: 2003 TO 2018**

[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 jobs; 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
Hawaii						
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
2016	1.1	1.4	3.0	3.4	4.2	7.5
2017	0.7	1.2	2.4	2.7	3.4	6.0
2018	0.9	1.3	2.6	2.8	3.5	6.1
United States						
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
2016	2.0	2.3	4.9	5.2	5.9	9.6
2017	1.7	2.1	4.4	4.6	5.3	8.5
2018	1.4	1.8	3.9	4.1	4.8	7.7

Source: U. S. Bureau of Labor Statistics, "Alternative Measures of Labor Underutilization for States, 2018 Annual Averages" <<https://www.bls.gov/lau/stalt18q4.htm>> (January 25, 2019) and Archived Tables (annual) <http://www.bls.gov/lau/stalt_archived.htm> accessed April 2, 2019.

**Table 12.08-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION
FOR THE 50 STATES AND THE UNITED STATES AVERAGE: 2018**

[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 jobs; 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	1.4	1.8	3.9	4.1	4.8	7.7
Alabama	1.5	1.8	3.9	4.3	5.0	7.3
Alaska	2.4	3.7	6.6	7.1	8.3	12.0
Arizona	1.6	1.8	4.7	4.8	6.0	9.1
Arkansas	1.2	1.7	3.8	4.1	4.7	7.7
California	1.6	2.1	4.2	4.4	5.1	8.8
Colorado	1.1	1.4	3.3	3.5	3.8	6.3
Connecticut	2.1	2.2	4.1	4.4	5.0	8.9
Delaware	1.3	1.8	3.8	4.1	4.4	7.4
District of Columbia	2.9	2.1	5.6	5.9	6.8	9.2
Florida	1.4	1.6	3.6	3.9	4.5	7.6
Georgia	1.4	1.5	3.9	4.3	5.0	8.0
Hawaii	0.9	1.3	2.6	2.8	3.5	6.1
Idaho	0.6	1.4	3.0	3.1	3.6	6.3
Illinois	1.6	2.1	4.2	4.4	5.1	8.1
Indiana	1.0	1.7	3.5	3.7	4.2	6.6
Iowa	0.7	1.4	2.5	2.7	3.0	5.2
Kansas	0.9	1.6	3.4	3.6	4.0	6.0
Kentucky	1.3	1.8	4.4	4.6	5.3	8.1
Louisiana	1.9	2.4	4.9	5.4	6.3	9.4
Maine	1.0	1.4	3.5	3.6	4.7	7.8
Maryland	1.7	2.2	4.2	4.4	5.3	8.0
Massachusetts	1.5	1.9	3.4	3.6	4.2	7.0
Michigan	1.3	1.8	4.1	4.4	4.9	7.9
Minnesota	0.8	1.4	2.8	2.9	3.2	5.4

Continued on next page.

**Table 12.08-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION
FOR THE 50 STATES AND THE UNITED STATES AVERAGE: 2018 -- Con.**

Year	Unemployment rate					
	U-1	U-2	U-3	U-4	U-5	U-6
Mississippi	2.0	1.8	4.8	5.3	5.9	8.7
Missouri	1.1	1.7	3.2	3.5	4.0	6.8
Montana	1.1	1.9	3.7	3.9	4.5	7.5
Nebraska	0.7	1.2	2.8	3.0	3.7	5.8
Nevada	1.3	1.9	4.5	4.9	5.8	9.5
New Hampshire	0.9	1.2	2.6	2.7	3.0	5.6
New Jersey	2.1	2.2	4.2	4.5	5.1	7.7
New Mexico	1.9	1.7	4.7	5.0	5.6	9.1
New York	1.7	2.0	4.1	4.5	5.3	8.1
North Carolina	1.4	1.5	3.8	4.2	4.9	7.5
North Dakota	0.8	1.5	2.8	2.9	3.2	4.7
Ohio	1.4	2.1	4.5	4.7	5.4	8.3
Oklahoma	1.1	1.6	3.4	3.7	4.5	7.5
Oregon	1.2	2.0	4.1	4.3	5.1	8.3
Pennsylvania	1.6	2.3	4.3	4.5	5.2	8.4
Rhode Island	1.7	2.2	4.1	4.2	4.8	7.4
South Carolina	1.4	1.4	3.5	3.9	4.7	6.9
South Dakota	0.9	1.1	2.9	3.1	3.6	5.8
Tennessee	0.9	1.5	3.5	3.8	4.5	6.8
Texas	1.3	1.8	3.8	4.1	4.6	7.4
Utah	0.6	1.6	3.3	3.4	3.8	6.1
Vermont	0.8	1.4	2.7	2.9	3.5	5.7
Virginia	0.9	1.1	2.9	3.0	3.6	6.4
Washington	1.6	2.2	4.4	4.7	5.6	8.4
West Virginia	1.9	2.6	5.3	5.6	6.3	9.8
Wisconsin	0.9	1.6	3.0	3.1	3.5	6.0
Wyoming	1.0	2.0	4.2	4.3	4.8	7.9

Source: U. S. Bureau of Labor Statistics, "Alternative Measures of Labor Underutilization for States, 2018 Annual Averages" (January 25, 2019) <<https://www.bls.gov/lau/stalt18q4.htm>> accessed April 2, 2019.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2018**

[Data rounded to nearest 50, except percent employed which is rounded to 0.1 percent]

Year	State	Honolulu	Hawaii	Kauai	Maui
Civilian labor force					
1990	550,900	409,000	58,400	26,150	57,400
1991	571,600	418,200	63,600	28,500	61,350
1992	584,250	423,850	65,200	29,400	65,800
1993	586,400	426,450	65,450	28,450	66,050
1994	585,200	424,600	65,600	28,700	66,300
1995	586,500	425,450	65,250	28,850	66,950
1996	595,600	430,850	67,400	29,100	68,250
1997	600,950	432,750	69,400	28,900	69,950
1998	601,600	432,450	69,350	29,000	70,800
1999	602,900	430,450	70,500	29,350	72,600
2000	605,950	430,900	73,900	30,250	70,950
2001	610,650	431,950	75,750	30,250	72,650
2002	600,900	424,150	75,450	30,000	71,350
2003	603,100	424,450	76,750	30,650	71,250
2004	610,900	428,000	78,350	31,200	73,400
2005	626,900	439,250	80,750	31,900	75,000
2006	638,250	444,800	83,850	32,450	77,150
2007	638,400	442,500	84,800	32,650	78,450
2008	639,700	443,900	84,900	32,650	78,250
2009	631,700	439,750	83,900	32,000	76,050
2010	647,250	446,200	87,750	34,300	78,950
2011	660,250	456,150	88,700	34,900	80,500
2012	647,200	448,000	86,100	33,900	79,150
2013	651,550	451,500	86,200	34,000	79,900
2014 1/ 2/	665,450	460,900	87,550	34,750	82,300
2015 1/ 2/	673,950	466,650	88,500	35,050	83,750
2016 1/ 2/	682,950	470,100	91,350	35,800	85,700
2017 1/ 2/	683,600	469,400	91,550	36,100	86,600
2018 1/ 2/	678,750	465,200	91,300	36,100	86,150
Civilian employed					
1990	536,200	400,200	56,150	25,100	54,750
1991	555,200	409,350	60,600	27,300	57,900
1992	558,950	411,800	60,200	26,500	60,400
1993	560,100	412,700	60,350	24,700	62,450
1994	552,900	406,700	59,100	24,950	62,200
1995	552,000	405,850	58,600	25,550	62,050
1996	558,150	408,400	60,850	25,600	63,350
1997	563,600	410,500	62,500	25,700	64,850
1998	564,950	409,850	62,850	26,200	66,100
1999	570,400	410,000	64,550	27,200	68,600
2000	580,200	413,100	70,150	28,750	68,150
2001	583,200	413,200	71,750	28,650	69,550
2002	575,600	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 2018 -- Con.**

Year	State	Honolulu	Hawaii	Kauai	Maui
Civilian employed (con.)					
2003	578,300	407,550	73,000	29,350	68,450
2004	590,150	413,900	75,150	30,100	71,000
2005	608,950	427,000	78,000	31,000	72,950
2006	621,550	433,500	81,200	31,650	75,250
2007	620,550	430,850	81,750	31,800	76,150
2008	612,100	426,850	79,800	31,100	74,400
2009	586,500	413,200	75,350	28,850	69,100
2010	602,300	419,650	79,100	31,300	72,200
2011	615,300	429,350	79,950	31,850	74,150
2012	608,300	423,900	78,950	31,400	74,100
2013	619,700	431,450	80,400	32,050	75,750
2014 1/ 2/	636,500	442,150	82,700	33,050	78,550
2015 1/ 2/	649,950	451,050	84,600	33,650	80,650
2016 1/ 2/	662,800	457,050	88,000	34,650	83,050
2017 1/ 2/	667,000	458,550	88,900	35,200	84,350
2018 1/ 2/	662,150	454,350	88,600	35,200	84,050
Unemployed					
1990	14,700	8,800	2,250	1,050	2,650
1991	16,400	8,850	2,950	1,200	3,400
1992	25,300	12,050	5,000	2,900	5,400
1993	26,300	13,750	5,100	3,800	3,650
1994	32,300	17,900	6,500	3,750	4,150
1995	34,450	19,600	6,650	3,300	4,900
1996	37,450	22,450	6,600	3,500	4,900
1997	37,350	22,250	6,900	3,150	5,100
1998	36,650	22,600	6,500	2,800	4,700
1999	32,500	20,450	5,900	2,150	4,000
2000	25,750	17,750	3,700	1,450	2,800
2001	27,450	18,750	4,000	1,600	3,100
2002	25,350	17,450	3,600	1,350	2,900
2003	24,800	16,900	3,800	1,300	2,850
2004	20,750	14,100	3,200	1,100	2,350
2005	17,950	12,250	2,800	900	2,050
2006	16,700	11,300	2,600	850	1,950
2007	17,850	11,650	3,000	900	2,300
2008	27,550	17,100	5,100	1,600	3,800
2009	45,150	26,550	8,550	3,150	6,950
2010	44,950	26,550	8,650	3,000	6,750
2011	44,950	26,800	8,700	3,050	6,400
2012	38,900	24,150	7,150	2,500	5,100
2013	31,850	20,050	5,750	1,950	4,150
2014 1/ 3/	28,950	18,750	4,850	1,700	3,700
2015 1/	24,000	15,600	3,900	1,400	3,100
2016 1/	20,200	13,000	3,350	1,150	2,650
2017 1/ 2/	16,600	10,850	2,650	900	2,250
2018 1/	16,600	10,850	2,750	900	2,100

Continued on next page.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2018 -- Con.**

Year	State	Honolulu	Hawaii	Kauai	Maui
Percent unemployed					
1990	2.7	2.1	3.9	3.9	4.6
1991	2.9	2.1	4.6	4.3	5.6
1992	4.3	2.8	7.7	9.9	8.2
1993	4.5	3.2	7.8	13.3	5.5
1994	5.5	4.2	9.9	13.1	6.2
1995	5.9	4.6	10.2	11.4	7.3
1996	6.3	5.2	9.8	12.0	7.2
1997	6.2	5.1	9.9	11.0	7.3
1998	6.1	5.2	9.4	9.7	6.6
1999	5.4	4.7	8.4	7.4	5.5
2000	4.2	4.1	5.0	4.8	3.9
2001	4.5	4.3	5.3	5.4	4.3
2002	4.2	4.1	4.8	4.6	4.1
2003	4.1	4.0	4.9	4.2	4.0
2004	3.4	3.3	4.1	3.5	3.2
2005	2.9	2.8	3.4	2.8	2.7
2006	2.6	2.5	3.1	2.6	2.5
2007	2.8	2.6	3.6	2.7	2.9
2008	4.3	3.8	6.0	4.8	4.9
2009	7.2	6.0	10.2	9.8	9.1
2010	6.9	6.0	9.9	8.8	8.5
2011	6.8	5.9	9.8	8.7	7.9
2012	6.0	5.4	8.3	7.3	6.4
2013	4.9	4.4	6.7	5.7	5.2
2014 1/	4.4	4.1	5.5	4.8	4.5
2015 1/	3.6	3.3	4.4	4.0	3.7
2016 1/	3.0	2.8	3.7	3.2	3.1
2017 1/ 2/	2.4	2.3	2.9	2.4	2.6
2018 1/	2.4	2.3	3.0	2.5	2.4

1/ DLIR benchmarked data in March 2019. Data for 2014 to 2018 reflect revised population controls and model reestimation.

2/ Revised from previous *Data Book*.

3/ Maui revised from previous *Data Book*.

Source: Hawaii State Department of Labor & Industrial Relations, "Honolulu MSA, Hawaii County, Kauai County and Maui County Not Seasonally Adjusted Civilian Labor Force"

<https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR_LAUS_LF.xls> accessed March 8, 2019.

**Table 12.10-- UNEMPLOYMENT INSURANCE BENEFITS AND DURATION
FOR THE UNITED STATES, THE 50 STATES, DISTRICT OF COLUMBIA,
PUERTO RICO AND THE VIRGIN ISLANDS: 2018 4th QUARTER**

Area	State regular benefits paid (\$1,000) 1/	State extended benefits paid (\$1,000) 1/	Average weekly benefit amt. (dollars) 2/	Average duration (weeks) 3/	Average benefits per first payment (dollars) 4/
United States	6,056,738	63.0	361.30	15.3	5,320
Alabama	34,103	-	225.39	13.3	2,933
Alaska	21,232	1.0	264.20	17.9	4,610
Arizona	48,420	-	231.51	15.3	3,484
Arkansas	22,116	-	273.54	11.2	2,866
California	1,158,709	1.0	331.63	17.6	5,675
Colorado	88,802	-	440.64	13.9	5,871
Connecticut	133,301	-	396.50	16.8	6,213
Delaware	13,933	-	263.68	17.2	4,361
Dist. of Columbia	28,665	-	353.44	18.6	6,333
Florida	80,412	0.3	247.71	9.2	2,247
Georgia	68,967	-	294.51	8.0	2,242
Hawaii	37,044	-	517.86	15.1	7,434
Idaho	17,115	-	327.39	9.8	3,022
Illinois	363,348	0.8	383.22	16.5	6,279
Indiana	54,477	-	296.30	12.5	3,640
Iowa	70,225	-	397.46	12.8	4,924
Kansas	28,862	-	380.63	11.6	4,271
Kentucky	60,271	-	345.71	18.8	6,406
Louisiana	31,953	-	212.48	16.1	3,384
Maine	17,110	-	341.57	13.1	4,323
Maryland	102,805	-	349.90	18.4	6,264
Massachusetts	310,778	-	543.40	17.4	8,803
Michigan	146,003	-	307.89	12.1	3,638
Minnesota	159,284	-	462.61	16.5	7,363
Mississippi	13,437	-	211.15	13.5	2,758
Missouri	54,559	-	269.38	12.3	3,161
Montana	20,039	-	334.44	15.4	4,882
Nebraska	13,389	-	343.06	12.0	3,965
Nevada	72,056	-	357.12	15.1	5,079
New Hampshire	9,457	-	343.74	12.5	4,022
New Jersey	438,431	-	460.81	18.1	7,839
New Mexico	30,167	-	334.20	17.4	5,736
New York	483,092	-	351.74	16.9	5,525
North Carolina	38,058	-	261.10	8.9	2,260
North Dakota	14,678	-	450.77	13.4	6,169

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**Table 12.10-- UNEMPLOYMENT INSURANCE BENEFITS AND DURATION
FOR THE UNITED STATES, THE 50 STATES, DISTRICT OF COLUMBIA,
PUERTO RICO AND THE VIRGIN ISLANDS: 2018 4th QUARTER -- Con.**

Area	State regular benefits paid (\$1,000) 1/	State extended benefits paid (\$1,000) 1/	Average weekly benefit amt. (dollars) 2/	Average duration (weeks) 3/	Average benefits per first payment (dollars) 4/
Ohio	177,857	0.6	375.27	14.9	5,483
Oklahoma	48,767	-	367.19	16.5	5,895
Oregon	115,868	-	408.21	15.1	5,917
Pennsylvania	368,549	-	390.86	15.6	5,625
Puerto Rico	19,776	-	118.52	19.3	2,242
Rhode Island	30,229	-	365.19	14.8	5,169
South Carolina	36,534	-	254.66	12.5	3,223
South Dakota	4,061	-	338.91	14.6	4,812
Tennessee	42,989	-	241.73	15.1	3,559
Texas	470,651	-	407.41	15.6	6,008
Utah	35,592	-	417.15	12.3	4,948
Vermont	61,084	-	315.58	14.9	4,543
Virgin Islands	226,548	-	461.83	16.0	7,186
Virginia	13,196	-	371.66	13.5	4,538
Washington	2,078	60.0	350.99	27.2	8,207
West Virginia	79,688	-	325.12	12.7	3,725
Wisconsin	9,629	-	373.10	14.0	5,144
Wyoming	28,339	-	297.37	14.2	4,005

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 aid 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 2018"

<<http://www.ows.doleta.gov/unemploy/content/data.asp>> accessed April 17, 2019.

**Table 12.11-- CHARACTERISTICS OF THE INSURED UNEMPLOYED:
ANNUAL AVERAGE, 2018**

[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.	
Age		Public administration 1/ Information not available	0.0 12.3
Under 22 years	1.3	Occupation	
22 to 24 years	3.6	Management	7.6
25 to 34 years	22.0	Business/financial operations	2.6
35 to 44 years	23.3	Computer/mathematical	1.2
45 to 54 years	22.4	Architecture/engineering	0.8
55 to 64 years	20.3	Life/physical/social science	0.7
65 years and over	7.1	Community/social services	1.0
Sex		Legal	0.4
Male	68.0	Education/training/library	1.8
Female	32.0	Arts/entertainment/sports	2.6
Duration		Healthcare practitioner/technical	1.4
1 to 4 weeks	42.4	Healthcare support	1.2
5 to 14 weeks	35.6	Protective service	0.7
15 weeks and over	21.9	Food preparation/serving	7.6
Industry		Building/grounds maintenance	2.2
Government - state	2.3	Personal care/service	1.6
Government - county	0.4	Sales related	4.5
Agriculture/forestry/fishing	1.5	Office/administrative support	8.9
Mining 1/	0.0	Farming/fishing/forestry	1.5
Utilities	0.2	Construction/extraction	37.3
Construction	35.4	Installation/maintenance/repair	3.4
Manufacturing	1.1	Production	1.9
Wholesale trade	1.5	Transportation/material moving	4.1
Retail trade	2.8	Information not available	5.2
Transportation/warehousing	4.2	Race	
Information	1.9	American Indian	0.7
Finance/insurance	1.0	Chinese	2.9
Real estate/rental/leasing	1.1	Filipino	18.9
Professional/technical services	3.3	Japanese	8.1
Management of companies	0.5	Other Asians	2.5
Administrative/waste services	11.4	Black	1.7
Educational services	0.9	Hawaiian	24.9
Health care/social assistance	4.4	Other Pacific Islander	5.9
Arts/entertainment/recreation	1.1	White & Latino	21.5
Accommodation/food services	10.8	Others	13.0
Other services	1.9	Information not available	0.0

1/ An industry may have claimants in one or more months in 2018 and yet round to 0.0 percent of total, e.g. 'Mining' ranged between 0 and 2 claimants over the 12 months for an average of 1 and 0.0 percent and 'Public administration' ranged between 0 and 4 claimants over the 12 months for an average of 2 and 0.0 percent.

Source: Hawaii State Department of Labor & Industrial Relations "Characteristics of the Insured Unemployed in Hawaii - 2018" <<http://labor.hawaii.gov/rs/files/2019/03/CIUpub2018-final.pdf>> accessed July 2, 2019.

**Table 12.12-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGE,
1990 TO 2018**

[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. Agriculture jobs and persons not working because of labor disputes are included but active-duty armed forces are excluded, unless also employed in civilian jobs. Data for the component nonagriculture jobs are rounded to nearest 100 for 1990-2000 and 2010-current, and to 50 for 2001-2009. Totals may not add due to rounding. 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 1/ 2/	600,300	441,400	63,350	28,300	67,300
2012 1/	612,800	(NA)	(NA)	(NA)	(NA)
2013 1/	625,100	(NA)	(NA)	(NA)	(NA)
2014 1/	634,000	(NA)	(NA)	(NA)	(NA)
2015 1/	644,100	(NA)	(NA)	(NA)	(NA)
2016 1/	652,100	(NA)	(NA)	(NA)	(NA)
2017 1/ 2/ 3/	659,300	(NA)	(NA)	(NA)	(NA)
2018 1/ 3/	662,900	(NA)	(NA)	(NA)	(NA)

Continued on next page.

**Table 12.12-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGE,
1990 TO 2018 -- Con.**

NA Not available.

1/ Department of Labor & Industrial Relations (DLIR) discontinued estimates of Agriculture jobs in December 2011 and deleted monthly estimates but retained the annual estimates for the state and counties. Those estimates are shown here but other DBEDT reports/analysis which are based on monthly data may be inconsistent with the 2011 for shown here. DBEDT estimates here and other DBEDT reports for 2012 and beyond are based on National Agricultural Statistics Service survey data.

2/ State total revised from previous *Data Book*.

3/ Data were benchmarked by DLIR in March 2019.

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 8, 2019; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed November 16, 2018. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2019* <http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2019q2.pdf> accessed May 21, 2019.

**Table 12.13-- JOBCOUNT, BY NAICS INDUSTRY: ANNUAL AVERAGE,
2014 TO 2018**

[Data rounded to nearest 100. Totals may not add due to rounding or residual categories. Data are according to the North American Industry Classification System]

Industry	2014	2015	2016	2017 1/ 2/	2018 1/
Total wage & salary 3/	634,000	644,100	652,100	659,300	662,900
Nonagriculture, wage & salary 3/	627,000	637,600	646,100	653,300	656,600
Natural resources, mining, constr.	32,100	35,000	38,000	36,200	36,100
Manufacturing	13,900	14,100	14,200	14,400	14,200
Durable goods	3,600	3,700	3,800	3,900	3,800
Non-durable goods	10,300	10,400	10,400	10,500	10,400
Trade, transportation & utilities	117,700	119,600	120,300	121,900	122,600
Wholesale trade	17,700	18,000	17,900	17,900	17,900
Retail trade	69,900	70,800	70,700	71,300	71,400
Transportation, warehousing & util.	30,100	30,900	31,700	32,700	33,300
Utilities	3,800	3,800	3,800	3,800	3,800
Transportation & warehousing	26,300	27,100	28,000	29,000	29,500
Air transportation	8,600	8,700	9,000	9,500	9,800
Information	8,500	8,700	8,800	9,000	9,100
Telecommunications	3,900	4,000	4,000	3,900	3,800
Financial activities	27,600	28,100	28,500	28,600	28,800
Finance & insurance	15,600	16,100	16,100	16,100	16,000
Real estate, rental, leasing	12,000	12,000	12,400	12,600	12,800
Professional & business services	82,100	82,500	81,800	82,300	82,500
Education & health services	79,000	81,700	82,700	84,400	85,800
Education services	14,100	14,700	14,300	14,200	14,400
Health care & social assistance	64,900	67,000	68,500	70,200	71,500
Ambulatory health care services	26,400	27,300	27,800	28,700	29,600
Hospitals	14,900	15,500	15,800	16,400	16,900
Nursing & residential care facilities	8,000	8,200	8,500	8,500	8,400
Social assistance	15,700	16,000	16,300	16,600	16,600
Individual & family services	9,100	9,400	9,800	(4/)	(4/)
Leisure and hospitality	113,300	114,700	118,500	123,200	123,900
Arts, entertainment & recreation 5/	12,000	11,700	12,100	12,700	12,900
Accommodation & food services	101,300	102,900	106,400	110,500	111,000
Accommodation	39,200	39,200	40,300	41,500	41,900
Food services and drinking places	62,000	63,700	66,100	69,000	69,100
Full-service restaurants	34,200	35,000	36,700	38,500	38,100
Other services	26,600	26,800	27,300	27,900	28,000
Government	126,200	126,400	126,000	125,500	125,600
Federal	33,200	33,100	33,200	33,400	33,600
Department of Defense	17,900	18,100	(4/)	(4/)	(4/)
State	74,200	74,500	73,900	73,200	73,100
Education (DOE & UH)	49,400	50,100	49,700	50,100	50,100
Local	18,800	18,900	19,000	19,000	18,900
Agriculture	7,000	6,500	6,000	6,000	6,300

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**Table 12.13-- JOBCOUNT, BY NAICS INDUSTRY: ANNUAL AVERAGE,
2014 TO 2018 -- Con.**

1/ DLIR benchmarked data in March 2019.

2/ 2017 revised from previous *Data Book*.

3/ 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/> accessed May 23, 2018.

4/ DLIR discontinued estimates.

5/ 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 8, 2019; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed May 21, 2019. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2019* <http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2019q2.pdf>.

Table 12.14-- EMPLOYMENT BY NAICS INDUSTRY: 2016 AND 2017

[Based on the North American Industry Classification System. Economic characteristics not available from the Census 2010]

Industry	Number		Percent	
	2016	2017	2016	2017
Employed civilian population 16 years and over	686,487	680,505	100.0	100.0
Agriculture, forestry, fishing and hunting, and mining	7,184	12,103	1.0	1.8
Construction	53,680	49,227	7.8	7.2
Manufacturing	19,485	20,916	2.8	3.1
Wholesale trade	15,226	16,055	2.2	2.4
Retail trade	78,828	76,789	11.5	11.3
Transportation and warehousing, and utilities	39,515	36,663	5.8	5.4
Information	9,785	10,342	1.4	1.5
Finance, insurance, real estate, & rental & leasing	48,421	43,936	7.1	6.5
Professional, scientific, management, administrative, and waste management services	71,587	68,890	10.4	10.1
Educational, health and social services	137,878	137,422	20.1	20.2
Arts, entertainment, recreation, accommodation and food services	114,263	117,563	16.6	17.3
Other services (except public administration)	29,509	29,311	4.3	4.3
Public administration	61,126	61,288	8.9	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 January 25, 2019.

**Table 12.15-- EMPLOYMENT BY THE 25 LARGEST PRIVATE EMPLOYERS:
2017 AND 2018**

[As of December 31, unless otherwise indicated. Ranked according to number of employees in 2018]

Employer	Year estab. in Hawaii	2017		2018	
		Rank	Employ- ees	Rank	Employ- ees
The Queen's Health Systems 1/	1985	1	7,187	1	7,038
Hawaii Pacific Health	2001	2	6,961	2	6,984
Kamehameha Schools	1887	9	2,183	3	3,870
Hawaiian Electric Industries Inc.	1981	5	2,745	4	2,704
Hawaii Health Systems Corp. 2/	1996	3	4,133	5	2,525
Securitas Security Services USA Inc.	1961	6	2,484	6	2,482
Kaiser Foundation Health Plan	1958	7	2,383	7	2,467
Bank of Hawaii Corp.	1897	11	2,132	8	2,048
Oahu Transit Services Inc.	1992	13	1,990	9	2,015
First Hawaiian Bank	1858	8	2,300	10	1,928
Hawaii Medical Service Association	1938	15	1,903	11	1,865
Aulani, A Disney Resort & Spa	2011	16	1,800	12	1,800
Polynesian Cultural Center	1963	(3/)	(3/)	13	1,483
Aqua-Aston Hospitality	1948	9	2,183	14	1,428
Spectrum	1969	17	1,400	15	1,300
Four Seasons Resort Hualalai	1996	18	1,300	15	1,300
Hawaiian Telcom	1983	19	1,200	17	1,200
American Savings Bank	1925	20	1,135	18	1,162
Servco Pacific Inc.	1919	12	2,005	19	1,115
Adventist Health Castle	1963	21	1,103	20	1,103
Four Seasons Resort Maui at Wailea	1990	24	950	21	950
Grand Hyatt Kauai Resort & Spa	1990	(3/)	(3/)	22	927
Kuakini Health System	1900	22	1,010	23	916
Halekulani Corp.	1980	25	918	24	845
Hawaiian Dredging Construction Co. Inc.	1902	23	963	25	795
Kyo-ya Hotels & Resorts	1962	4	3,638	(3/)	(3/)
Matson Inc.	1882	14	1,947	(3/)	(3/)

1/ Queen's Medical Center established 1859.

2/ On a fiscal year basis.

3/ Not ranked in year shown.

Source: *Pacific Business News*, "The List Employers - Statewide, Ranked by Number of Employees as of December 31, 2017" (July 6, 2018), page 24 <<https://www.bizjournals.com/pacific/datacenter/lists>> accessed July 6, 2018; and Ibid. "As of December 31, 2018" (July 5, 2019), page 18 <<https://www.bizjournals.com/pacific/subscriber-only/2019/07/05/employers-statewide.html>> accessed July 5, 2019.

**Table 12.16-- JOBCOUNT BY NAICS INDUSTRY, BY COUNTY:
ANNUAL AVERAGE, 2018**

[Data rounded to nearest 100. Totals may not add due to rounding or residual categories. Data are according to the North American Industry Classification System]

Industry	State total	City & Cty of Honolulu	Hawaii County	Kauai County	Maui County
Total wage & salary 1/	662,900	(1/)	(1/)	(1/)	(1/)
Nonagriculture, wage & salary	656,600	477,700	69,300	31,700	77,400
Natural resources, mining, construction	36,100	26,400	3,800	1,900	4,000
Manufacturing	14,200	11,300	1,400	500	1,100
Durable goods	3,800	3,000	300	100	400
Non-durable goods	10,400	8,300	1,100	400	700
Trade, transportation & utilities	122,600	85,800	14,900	6,100	15,600
Wholesale trade	17,900	14,000	1,800	500	1,500
Retail trade	71,400	47,900	9,600	4,000	9,800
Transportation, warehousing & util.	33,300	23,900	3,500	1,600	4,300
Utilities	3,800	(NA)	(NA)	(NA)	(NA)
Transportation & warehousing	29,500	21,400	(NA)	(NA)	(NA)
Air transportation	9,800	8,000	800	300	700
Information	9,100	7,700	600	200	500
Telecommunications	3,800	3,100	300	(2/)	(NA)
Financial activities	28,800	21,900	2,600	1,200	3,100
Finance & insurance	16,000	13,500	1,200	400	800
Real estate, rental, leasing	12,800	8,400	(NA)	(NA)	(NA)
Professional & business services	82,500	65,100	6,900	3,100	7,300
Education & health services	85,800	65,100	9,000	2,900	8,800
Education services	14,400	11,600	1,400	200	1,200
Health care & social assistance	71,500	53,500	7,600	2,700	7,600
Ambulatory health care services	29,600	21,800	(NA)	(NA)	(NA)
Hospitals	16,900	14,300	(NA)	(NA)	(NA)
Nursing & residential care facilities	8,400	(NA)	(NA)	(NA)	(NA)
Social assistance	16,600	(NA)	(NA)	(NA)	(NA)
Individual & family services	(4/)	(4/)	(4/)	(4/)	(4/)
Leisure and hospitality	123,900	73,900	14,500	10,100	25,200
Arts, entertainment & recreation 3/	12,900	7,800	1,500	1,200	2,300
Accommodation & food services	111,000	66,100	13,000	8,900	22,900
Accommodation	41,900	18,600	6,200	4,500	12,500
Food services and drinking places	69,100	47,500	6,800	4,400	10,300
Full-service restaurants	38,100	24,000	4,000	3,000	7,100
Other services	28,000	21,500	2,100	1,000	3,400
Government	125,600	99,000	13,500	4,700	8,500
Federal	33,600	31,000	1,300	500	900
Department of Defense	(4/)	(4/)	(4/)	(4/)	(4/)
State	73,100	55,800	9,500	2,900	4,900
Education (DOE & UH)	50,100	39,200	5,800	1,700	3,500
Local	18,900	12,200	2,700	1,300	2,700
Agriculture 1/	6,300	(1/)	(1/)	(1/)	(1/)

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**Table 12.16-- JOBCOUNT BY NAICS INDUSTRY, BY COUNTY:
ANNUAL AVERAGE, 2018 -- Con.**

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/ Fewer than 100.

3/ DLIR no longer provides Hawaii, Kauai, and Maui county detail. DBEDT calculates as residual.

4/ DLIR discontinued estimates after March 2016.

Source: Hawaii State Department of Labor and Industrial Relations, Job Count by Industry - Not Seasonally Adjusted Data, Historical Series 2010-2018 <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed March 8, 2019; National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed March 8, 2019. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2019* <http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2019q2.pdf>.

Table 12.17-- OCCUPATION: 2015 TO 2017

Occupation	Number			Percent		
	2015	2016	2017	2015	2016	2017
Civilian employed population 16 years & over	675,124	686,487	680,505	100.0	100.0	100.0
Management, business, science, & arts	227,193	230,324	231,746	33.6	33.6	34.1
Service	154,624	159,197	162,314	22.9	23.2	23.9
Sales and office	167,514	168,812	167,880	24.8	24.6	24.7
Natural resources, construction, and maintenance	68,540	67,154	65,229	10.2	9.8	9.6
Production, transportation, and material moving	57,343	61,000	53,336	8.5	8.9	7.8

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, "DP03 Selected Economic Characteristics: Hawaii" (annual)
<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t> accessed January 25, 2019.

**Table 12.18-- CIVILIAN JOBS PROJECTIONS, BY SECTOR AND
BY TYPE, BY COUNTY: 2016 TO 2045**

[See Section 1 for population and Section 13 for gross domestic product and personal income projections from the same source]

Year 1/	Total civilian jobs	By sector		By type	
		Private 2/	Government	Wage and salary	Self-employed
State total					
2016	857,951	730,929	127,022	666,998	190,953
2020	891,950	762,170	129,780	687,640	204,310
2025	932,060	799,430	132,630	711,650	220,410
2030	970,520	835,430	135,090	733,990	236,530
2035	1,004,490	867,130	137,360	752,690	251,800
2040	1,035,340	896,250	139,090	768,740	266,600
2045	1,066,030	925,260	140,770	784,360	281,670
Hawaii					
2016	102,540	89,350	13,190	70,800	31,740
2020	108,790	94,990	13,800	74,280	34,510
2025	116,600	102,050	14,550	78,630	37,970
2030	124,560	109,270	15,290	83,020	41,540
2035	132,260	116,200	16,060	87,180	45,080
2040	139,870	123,060	16,810	91,260	48,610
2045	147,710	130,110	17,600	95,460	52,250
Honolulu					
2016	604,300	505,100	99,200	487,120	117,180
2020	624,800	524,000	100,800	499,980	124,820
2025	648,270	545,980	102,290	514,420	133,850
2030	669,980	566,570	103,410	527,270	142,710
2035	688,030	583,700	104,330	537,160	150,870
2040	703,350	598,570	104,780	544,780	158,570
2045	717,990	612,860	105,130	551,750	166,240

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**Table 12.18-- CIVILIAN JOBS PROJECTIONS, BY SECTOR AND
BY TYPE, BY COUNTY: 2016 TO 2045 -- Con.**

Year 1/ 	Total civilian jobs	By sector		By type	
		Private 2/ 	Government	Wage and salary	Self- employed
Kauai					
2016	44,430	39,740	4,690	31,690	12,740
2020	46,430	41,580	4,850	32,820	13,610
2025	48,860	43,830	5,030	34,200	14,660
2030	51,300	46,100	5,200	35,550	15,750
2035	53,600	48,230	5,370	36,780	16,820
2040	55,850	50,330	5,520	37,940	17,910
2045	58,210	52,540	5,670	39,150	19,060
Maui					
2016	106,680	96,730	9,950	77,400	29,280
2020	111,930	101,610	10,320	80,550	31,380
2025	118,330	107,570	10,760	84,390	33,940
2030	124,670	113,490	11,180	88,150	36,520
2035	130,590	118,990	11,600	91,560	39,030
2040	136,270	124,290	11,980	94,750	41,520
2045	142,120	129,750	12,370	98,000	44,120

1/ Actual 2016 State data from the U.S. Bureau of Economic Analysis (BEA). DBEDT estimate for counties. Projected values for 2020 to 2045 rounded to the nearest ten.

2/ Calculated here as 'Total civilian jobs' less 'Government'.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2045* (June 2018), Appendix Tables A-34 to A-48
<<http://dbedt.hawaii.gov/economic/economic-forecast/2045-long-range-forecast/>> accessed June 28, 2018.

**Table 12.19-- CIVILIAN JOBS PROJECTIONS, BY NAICS INDUSTRY:
2016 TO 2045**

[See Section 1 for population and Section 13 for gross domestic product and personal income projections from the same source. Based on the North American Industry Classification System (NAICS). Actual 2016 data from the U.S. Bureau of Economic Analysis (BEA). Projected values rounded to nearest ten]

Industry	2016	2020	2025	2030	2035	2040	2045
Total civilian jobs	857,951	891,950	932,060	970,520	1,004,490	1,035,340	1,066,030
Agriculture	15,865	15,880	15,970	16,130	16,210	16,360	16,480
Mining & construction	50,449	53,510	56,480	59,160	60,590	61,760	62,710
Food processing	7,337	7,360	7,410	7,490	7,530	7,570	7,610
Other manufacturing	11,135	11,160	11,180	11,280	11,300	11,330	11,350
Transportation	34,698	36,060	37,510	38,880	40,070	41,060	42,070
Information	10,791	10,840	10,930	11,130	11,270	11,570	11,870
Utilities	4,361	4,630	4,940	5,190	5,430	5,590	5,740
Wholesale trade	24,930	25,460	26,070	26,780	27,260	27,780	28,250
Retail trade	90,212	91,970	94,210	96,320	97,720	99,310	100,780
Finance & insurance	28,934	29,600	30,420	31,180	31,780	32,270	32,710
Real estate & rental	42,907	45,050	47,300	49,310	51,120	52,680	54,200
Professional services	47,679	50,620	54,190	57,780	60,870	63,550	66,220
Business services	72,929	77,860	83,830	89,280	94,560	98,800	103,150
Educational services	21,622	23,020	24,780	26,520	28,240	29,820	31,440
Health services	81,779	86,440	92,490	98,880	105,210	111,960	118,890
Arts & entertainment	22,677	23,600	24,730	25,670	26,560	27,280	28,030
Accommodation	41,815	42,570	43,420	44,350	45,110	45,810	46,550
Eating & drinking	70,321	74,050	78,670	83,110	87,440	91,240	95,150
Other services	50,488	52,480	54,900	56,990	58,870	60,490	62,060
Government	127,022	129,780	132,630	135,090	137,360	139,090	140,770

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2045* (June 2018), Appendix "Table A-34. Hawaii State Civilian Total Jobs by Sector, 2016-2045" <<http://dbedt.hawaii.gov/economic/economic-forecast/2045-long-range-forecast/>> accessed June 28, 2018.

Table 12.20-- EMPLOYMENT BY CLASS OF WORKER: 1940 TO 2017

[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	638,191	446,836	140,358	50,997	
2011	629,523	427,447	135,118	66,958	
2012	648,504	447,454	132,852	68,198	
2013	643,571	462,020	135,462	46,089	
2014	664,180	482,208	134,009	47,963	
2015	675,214	491,449	134,419	49,346	
2016	686,487	502,154	136,256	48,077	
2017	680,505	497,822	138,013	44,670	

1/ In own not incorporated business.

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 Inflation-Adjusted Dollars) for the Civilian Employed Population 16 Years and Over" (annual, 2010 to 2014) and "S2408: Class of Worker By Sex for the Civilian Employed Population 16 Years and Over" (annual from 2015) <<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 25, 2019.

Table 12.21-- FULL- AND PART-TIME EMPLOYMENT, BY TYPE AND BY STATUS: 1969 TO 2017

[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. The estimates of employment for 1969 to 1974 are based on the 1967 Standard Industrial Classification (SIC), for 1975 to 1987 on the 1972 SIC, and for 1988 to 1997 on the 1987 SIC. Estimates of employment for 1998 to 2006 are based on the 2002 North American Industry Classification System (NAICS), for 2007 to 2010 on the 2007 NAICS, and for 2011 forward on the 2012 NAICS]

Year	Total	By type		By status	
		Wage and salary	Proprietors	Civilian	Military 1/
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

Continued on next page.

Table 12.21-- FULL- AND PART-TIME EMPLOYMENT, BY TYPE AND BY STATUS: 1969 TO 2017 -- Con.

Year	Total	By type		By status	
		Wage and salary	Proprietors	Civilian	Military 1/
1998 2/	738,175	606,429	131,746	683,316	54,859
1999 2/	738,111	607,879	130,232	685,032	53,079
2000 2/	749,439	624,169	125,270	696,943	52,496
2001 2/	752,548	628,046	124,502	698,896	53,652
2002 2/	757,721	631,037	126,684	704,802	52,919
2003 2/	773,638	642,343	131,295	720,847	52,791
2004 2/	797,263	657,931	139,332	743,505	53,758
2005 2/	819,997	674,135	145,862	766,978	53,019
2006 2/	842,413	690,321	152,092	788,050	54,363
2007 2/	864,625	698,292	166,333	810,110	54,515
2008 2/	858,402	692,977	165,425	802,355	56,047
2009 2/	829,897	664,720	165,177	774,234	55,663
2010 2/	824,460	661,142	163,318	768,223	56,237
2011 2/	835,012	668,971	166,041	777,925	57,087
2012 2/	849,156	680,842	168,314	791,700	57,456
2013 2/	868,122	693,539	174,583	810,765	57,357
2014 2/	882,801	702,977	179,824	825,550	57,251
2015 2/	901,144	715,201	185,943	842,871	58,273
2016 2/	912,896	722,186	190,710	856,449	56,447
2017	921,881	727,610	194,271	866,466	55,415

1/ Includes active duty military personnel that are stationed in the state plus the number of military reserve unit members. Navy personnel assigned to ships and other mobile units and Marines assigned to Fleet Marine Force units are measured according to the units' home ports rather than their actual locations as of the reporting date. The measure of employment of the military reserves, including the National Guard, is confined to members of reserve units that meet regularly for training. The state estimates are based on fiscal year-ending September 30-tabulations of military reserve strength provided by the Department of Defense. See also *State Personal Income and Employment: Concepts, Data Sources, and Statistical Methods* (September 2017) <<https://www.bea.gov/regional/pdf/spi2016.pdf>>.

2/ 1998 to 2016 'Total', 'Wage and salary', 'Proprietors' and 'Civilian' and 'Military' 2013 to 2016 revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, State Annual Personal Income, "SAEMP25S Total Full-Time and Part-Time Employment by SIC Industry" and "SAEMP25N Total Full-Time and Part-Time Employment by NAICS Industry" (September 25, 2018) <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed June 19, 2019 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.22-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME:
ANNUAL AVERAGE, 2013 TO 2017**

[Number in thousands]

Year and population group	2013	2014	2015	2016	2017
Total					
Full- and part-time	614	642	653	665	667
Full-time total	504	526	528	551	545
Full-time not at work	16	17	16	17	19
Part-time total	110	116	125	114	122
Economic reasons	26	27	26	19	13
Non- economic reasons	78	83	94	89	101
Not at work	6	6	6	6	9
Men					
Full- and part-time	326	338	341	351	348
Full-time total	277	287	290	309	296
Full-time not at work	7	8	7	9	10
Part-time total	49	51	51	42	52
Economic reasons	14	14	13	8	7
Non- economic reasons	33	34	35	32	42
Not at work	2	3	3	2	3
Women					
Full- and part-time	288	304	312	313	320
Full-time total	227	239	238	241	250
Full-time not at work	9	9	9	8	9
Part-time total	61	65	74	72	70
Economic reasons	12	13	12	11	6
Non- economic reasons	45	49	59	57	59
Not at work	4	4	3	4	5
16 to 19 years (both sexes)					
Full- and part-time	15	18	21	19	18
Full-time total	5	7	7	6	6
Full-time not at work	(1/)	(1/)	(1/)	(1/)	(1/)
Part-time total	10	11	14	13	12
Economic reasons	3	2	2	1	1
Non- economic reasons	7	8	11	11	11
Not at work	(1/)	1	1	(1/)	1

1/ Fewer than 500 persons.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment* "Table 16. Employed and unemployed persons by full- and part-time status, gender, age, race, and Hispanic or Latino ethnicity, annual averages" (annual) <<https://www.bls.gov/opub/geographic-profile/archive.htm>> accessed May 21, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.23-- OCCUPATION OF EMPLOYED CIVILIANS, BY SEX:
ANNUAL AVERAGE, 2016 AND 2017**

Occupation	Both sexes	Men	Women
2016			
All occupations (in thousands)	665	351	313
Percent	100.0	100.0	100.0
Management, professional, and related	31.6	27.1	36.5
Management, business, and financial operations	12.3	11.8	12.7
Professional and related	19.3	15.3	23.8
Service	24.7	26.2	23.0
Sales and office	24.0	15.9	32.9
Sales and related	12.5	9.1	16.2
Office and administrative support	11.5	6.8	16.7
Natural resources, construction, and maintenance	11.0	18.9	2.1
Farming, fishing, and forestry	0.9	0.8	1.0
Construction and extraction	6.8	12.0	0.9
Installation, maintenance, and repair	3.3	6.1	0.2
Production, transportation, and material moving	8.7	11.8	5.4
Production	3.0	3.4	2.6
Transportation and material moving	5.7	8.4	2.8
2017			
All occupations (in thousands)	668	348	320
Percent	100.0	100.0	100.0
Management, professional, and related	35.8	31.5	40.5
Management, business, and financial operations	14.7	14.8	14.6
Professional and related	21.1	16.7	25.9
Service	23.0	21.8	24.2
Sales and office	22.0	15.2	29.4
Sales and related	10.9	8.8	13.2
Office and administrative support	11.1	6.4	16.2
Natural resources, construction, and maintenance	10.0	18.0	1.2
Farming, fishing, and forestry	1.0	1.2	0.8
Construction and extraction	6.2	11.6	0.3
Installation, maintenance, and repair	2.8	5.2	0.1
Production, transportation, and material moving	9.2	13.5	4.7
Production	3.1	4.1	2.2
Transportation and material moving	6.1	9.4	2.5

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment* "Table 18 Percent distribution of employed persons, by occupation, sex, race, and Hispanic or Latino ethnicity and marital status" (annual) <<https://www.bls.gov/opub/geographic-profile/archive.htm>> accessed May 21, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.24-- MULTIPLE JOBHOLDERS, NUMBERS AND PERCENT OF EMPLOYED FOR HAWAII AND PERCENT OF EMPLOYED FOR THE UNITED STATES: ANNUAL AVERAGE, 1994 TO 2018

Year	Hawaii				United States
	Employed, 16 years & over (1,000)	Multiple jobholders			Multiple jobholders as percent of employed
		Number (1,000)	Percent of employed	Rank 1/	
1994	554	48	8.7	9	5.9
1995	548	48	8.8	9	6.2
1996	555	52	9.4	9	6.2
1997	554	48	8.7	12	6.1
1998	558	49	8.8	9	6.0
1999	563	55	9.8	4	5.8
2000	572	53	9.3	4	5.6
2001	577	57	9.8	3	5.4
2002	568	47	8.2	8	5.3
2003	573	43	7.6	13	5.3
2004	603	46	7.6	13	5.4
2005	624	50	8.0	12	5.3
2006	639	51	8.0	12	5.2
2007	628	52	8.2	8	5.2
2008	633	51	8.1	9	5.2
2009	592	46	7.7	9	5.2
2010	584	41	7.0	11	4.9
2011	586	36	6.1	15	4.9
2012	603	38	6.2	13	4.9
2013	618	36	5.8	21	4.9
2014	639	38	6.0	18	4.9
2015	652	37	5.7	18	4.9
2016	670	37	5.5	23	5.0
2017	668	44	6.5	14	4.9
2018	663	46	6.9	10	5.0

1/ Rank among 50 states and District of Columbia. Rank of 1 for highest percentage of multiple jobholders. Tied in 1996 with North Dakota, in 1997 with Missouri, in 1998 with Vermont and Wisconsin, in 2004 with Iowa, 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, in 2013 with Ohio, in 2016 with District of Columbia, and in 2017 with Connecticut.

Source: U. S. Bureau of Labor Statistics, unpublished data from Current Population Survey microdata and calculations by the Hawaii State Department of Business, Economic Development & Tourism. See also U.S. Bureau of Labor Statistics, *Monthly Labor Review*, February 2017 "Multiple Jobholding in States" <<https://stats.bls.gov/opub/mlr/2017/article/pdf/multiple-jobholding-in-states-in-2015.pdf>> accessed February 24, 2017.

**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: 2008 TO 2017

[Workers covered by the Hawaii Employment Security Law and Unemployment Compensation for Federal Employees classified by industry. Since 2001, industries have been classified according to the North American Industry Classification System (NAICS), 2008-2010 are based on the 2007 NAICS, 2011-2016 are based on the 2012 NAICS, and 2017 are based on the 2017 NAICS]

Year	Number of reporting units, Dec. 1/	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
Total, incl. gov't				
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
2015	37,853	637,813	29,924,305	46,917
2016	38,461	647,485	31,194,056	48,177
2017	39,917	654,139	32,491,238	49,670
Total, excl. gov't				
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
2015	37,847	514,786	22,852,039	44,391
2016	38,455	525,065	23,914,069	45,545
2017	39,911	531,817	25,014,113	47,035
Private non-agr. 2/				
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
2015	37,389	508,379	22,623,850	44,502
2016	37,986	519,037	23,692,684	45,647
2017	39,427	526,029	24,796,823	47,140

1/ 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 January 25, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.27-- EMPLOYMENT AND WAGES, BY COUNTY: 2016 AND 2017

[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)
2016 Total, including gov't				
State total 2/	38,461	647,485	31,194,056	48,177
City and County of Honolulu	25,658	472,330	23,728,238	50,237
Hawaii County	5,021	68,583	2,874,370	41,911
Maui County	5,419	75,621	3,261,312	43,127
Kauai County	2,369	30,951	1,330,135	42,976
2016 Total, excluding gov't				
State total	38,455	525,065	23,914,069	45,545
City and County of Honolulu	25,655	376,792	18,038,264	47,873
Hawaii County	5,018	55,934	2,137,092	38,207
Maui County	5,416	65,948	2,676,983	40,592
Kauai County	2,366	26,392	1,061,731	40,229
2017 Total, including gov't				
State total 2/	39,917	654,139	32,491,238	49,670
City and County of Honolulu	26,859	474,488	24,630,732	51,910
Hawaii County	5,116	70,381	3,001,541	42,647
Maui County	5,519	77,278	3,448,506	44,625
Kauai County	2,429	31,992	1,410,459	44,088
2017 Total, excluding gov't				
State total	39,911	531,817	25,014,113	47,035
City and County of Honolulu	26,856	378,474	18,781,253	49,624
Hawaii County	5,113	57,685	2,244,570	38,911
Maui County	5,516	68,284	2,857,022	41,840
Kauai County	2,426	27,374	1,131,268	41,326

1/ Nonprofit employers and employers with zero employment are included.

2/ The sum of the components is 6 reporting units higher than the published total as each counts the State and Federal governments separately while at the state level there is only one each.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual) <<http://www.hiwi.org/gsipub/index.asp?docid=420>> accessed January 25, 2019.

Table 12.28-- EMPLOYMENT AND WAGES, BY NAICS INDUSTRY: 2017

[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	39,917	654,139	32,491,238	49,670
	Government	6	122,322	7,477,125	61,127
	Federal	1	33,374	2,593,821	77,720
	State	1	69,978	3,596,069	51,389
	County	4	18,970	1,287,235	67,856
	Total, excluding government	39,911	531,817	25,014,113	47,035
11	Ag., forestry, fishing & hunting	484	5,788	217,290	37,541
21	Mining, quarrying, oil & gas extr.	12	236	20,396	86,426
22	Utilities	89	3,781	385,726	102,017
23	Construction	3,741	35,890	2,648,431	73,793
31-33	Manufacturing	1,013	14,270	647,206	45,354
311	Food manufacturing	357	6,594	218,029	33,065
323	Printing & rel. support activ.	100	725	26,435	36,463
324	Petroleum & coal products	11	550	67,419	122,580
42	Wholesale trade	2,047	17,919	1,079,445	60,240
44-45	Retail trade	4,559	71,102	2,285,485	32,144
448	Clothing & clothing access.	1,168	11,450	294,578	25,727
48-49	Trans. & warehousing	1,046	28,959	1,612,544	55,684
487	Scenic & sightseeing trans.	244	4,398	162,751	37,006
51	Information	684	9,006	561,735	62,373
52	Finance and insurance	1,646	15,600	1,165,616	74,719
53	Real estate, rental & leasing	2,043	12,509	693,178	55,414
54	Prof. and tech. services	4,705	24,398	1,816,642	74,459
55	Mgt of companies & enterprises	488	8,866	783,793	88,404
56	Admin. and waste services	2,672	49,034	1,737,109	35,427
61	Educational services	744	14,184	553,345	39,012
62	Health care and soc. assist.	4,023	70,106	3,795,884	54,145
621	Amb. health care services	2,936	28,794	1,823,586	63,332
622	Hospitals	20	16,406	1,243,826	75,815
623	Nursing and resid. care fac.	176	8,485	316,797	37,336
624	Social assistance	891	16,421	411,675	25,070
71	Arts, entertain., and recrea.	650	12,649	370,845	29,318
72	Accom. and food services	4,051	110,486	3,661,085	33,136
721	Accommodation	423	41,551	2,060,110	49,580
722	Food services & drinking places	3,628	68,935	1,600,975	23,224
81	Other serv., exc. public adm.	4,021	26,492	940,202	35,490
99	Unclassified	1,193	542	38,155	70,397

1/ Nonprofit employers and employers with zero employment are included.

Source: Hawaii State Department of Labor and Industrial Relations, *2017 Employment and Payrolls in Hawaii* (October 2018) <https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR_QCEW_ES2017.pdf> accessed January 25, 2019.

**Table 12.29-- AVERAGE ANNUAL WAGE IN CURRENT AND
CONSTANT DOLLARS: 1969 TO 2017**

[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, 1982-84 = 100.0	1982-1984 dollars 1/	Year	Current dollars	CPI-U All Items Honolulu, 1982-84 = 100.0	1982-1984 dollars 1/
1969	6,876	39.4	17,452	1994	26,718	164.5	16,242
1970	7,424	41.5	17,889	1995	26,983	168.1	16,052
1971	7,677	43.2	17,771	1996	27,359	170.7	16,028
1972	7,989	44.6	17,913	1997	28,356	171.9	16,496
1973	8,479	46.6	18,195	1998	29,029	171.5	16,927
1974	9,087	51.5	17,645	1999	29,788	173.3	17,189
1975	9,767	56.3	17,348	2000	30,628	176.3	17,373
1976	10,347	59.1	17,508	2001	31,241	178.4	17,512
1977	10,903	62.1	17,557	2002	32,669	180.3	18,119
1978	11,630	66.9	17,384	2003	33,735	184.5	18,285
1979	12,429	74.3	16,728	2004	35,191	190.6	18,463
1980	13,548	83.0	16,323	2005	36,347	197.8	18,376
1981	14,471	91.7	15,781	2006	37,784	209.4	18,044
1982	15,367	97.2	15,810	2007 2/	39,465	219.504	17,979
1983	16,115	99.3	16,229	2008 2/	40,664	228.861	17,768
1984	16,714	103.5	16,149	2009 2/	41,328	230.048	17,965
1985	17,335	106.8	16,231	2010 2/	41,681	234.869	17,746
1986	18,069	109.4	16,516	2011 2/	42,454	243.622	17,426
1987	19,060	114.9	16,588	2012 2/	43,365	249.474	17,383
1988	20,454	121.7	16,807	2013 2/	43,828	253.924	17,260
1989	21,635	128.7	16,810	2014 2/	45,201	257.589	17,548
1990	23,109	138.1	16,734	2015 2/	46,917	260.165	18,034
1991	24,051	148.0	16,251	2016 2/	48,177	265.283	18,161
1992	25,532	155.1	16,462	2017 2/	49,670	272.014	18,260
1993	26,544	160.1	16,580				

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> and 2000-2017 <<https://www.hiwi.org/gsipub/index.asp?docid=420>> accessed January 25, 2019;

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 1987-2018 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>> January 11, 2019; 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: 2007 AND 2017

[Workers covered by the Hawaii Employment Security Law and Unemployment Compensation for Federal Employees classified by industry. Industries classified according to the North American Industrial Classification System]

Industry	2007 1/	2017 2/		Percent change, 2007-2017 3/	
		Current dollars	2007 dollars 4/	Current dollars	2007 dollars 4/
All industries	39,465	49,670	39,349	25.9	-0.3
Federal	61,405	61,127	48,425	-0.5	-21.1
State	41,391	51,389	40,711	24.2	-1.6
County	50,569	67,856	53,756	34.2	6.3
Private	37,436	47,035	37,262	25.6	-0.5

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 26.2 percent from 2007 to 2017.

4/ Current dollars deflated by the Consumer Price Index (CPI-U) All Items for Honolulu, base shifted to 2007 = 100 or 126.229

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 January 25, 2019; 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 January 11, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.31-- REPORTING UNITS AND EMPLOYMENT, BY SIZE OF FIRM: DECEMBER 2017

[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 to 499	500 to 999	1,000 or more
State total	Reporting units	39,911	22,873	6,980	4,867	3,273	1,165	516	158	55	24
	Employment	540,899	35,596	46,174	65,857	98,194	80,010	76,410	54,613	36,123	47,922
City and County of Honolulu	Reporting units	26,856	15,480	4,493	3,279	2,226	841	370	107	40	20
	Employment	383,583	23,657	29,799	44,451	66,766	58,565	55,028	36,459	25,900	42,958
Hawaii County	Reporting units	5,113	2,890	950	667	406	120	53	23	4	(2/)
	Employment	59,151	4,800	6,320	9,025	11,975	8,065	7,439	7,936	3,591	(2/)
Maui County	Reporting units	5,516	3,171	1,033	630	446	138	62	25	11	(2/)
	Employment	70,278	4,997	6,786	8,434	13,360	9,023	9,109	9,399	9,170	(2/)
Kauai County	Reporting units	2,426	1,332	504	291	195	66	31	3	4	-
	Employment	27,887	2,142	3,269	3,947	6,093	4,357	4,834	819	2,426	-

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.

2/ Data from larger classes combined to prevent the disclosure of confidential information.

Source: Hawaii State Department of Labor and Industrial Relations, *2017 Employment and Payrolls in Hawaii* (October 2018), p. 92
 <https://www.hiwi.org/admin/gsipub/htmlarea/uploads/LFR_QCEW_ES2017.pdf> accessed January 25, 2019.

**Table 12.32-- ANNUAL AVERAGE WAGES, TOTAL AND PRIVATE
INDUSTRY FOR HAWAII AND THE UNITED STATES: 1990 TO 2018**

[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]

Year	Annual average wages (dollars)				Hawaii as percent of U.S		Hawaii rank 1/	
	Hawaii		U.S.					
	Total	Private only	Total	Private only	Total	Private only	Total	Private only
1990	23,167	22,244	23,602	23,258	98.2	95.6	13	18
1991	24,104	23,176	24,578	24,178	98.1	95.9	13	19
1992	25,613	24,585	25,897	25,547	98.9	96.2	13	19
1993	26,325	25,312	26,361	25,934	99.9	97.6	12	16
1994	26,746	25,647	26,939	26,496	99.3	96.8	13	17
1995	26,977	25,913	27,846	27,441	96.9	94.4	16	21
1996	27,352	26,371	28,946	28,582	94.5	92.3	22	23
1997	28,357	26,979	30,353	30,064	93.4	89.7	24	28
1998	29,036	27,672	31,945	31,762	90.9	87.1	26	30
1999	29,794	28,163	33,340	33,244	89.4	84.7	27	32
2000	30,628	29,179	35,323	35,337	86.7	82.6	29	32
2001	31,253	29,816	36,219	36,157	86.3	82.5	31	34
2002	32,671	30,947	36,764	36,539	88.9	84.7	27	32
2003	33,742	31,974	37,765	37,508	89.3	85.2	26	31
2004	35,198	33,583	39,354	39,134	89.4	85.8	25	31
2005	36,353	34,564	40,677	40,505	89.4	85.3	26	31
2006	37,799	35,909	42,535	42,414	88.9	84.7	26	34
2007	39,466	37,437	44,458	44,362	88.8	84.4	26	34
2008	40,675	38,478	45,563	45,371	89.3	84.8	25	33
2009	41,328	38,836	45,559	45,155	90.7	86.0	23	31
2010	41,709	39,294	46,751	46,455	89.2	84.6	25	33
2011	42,473	39,838	48,043	47,815	88.4	83.3	26	38
2012	43,385	40,871	49,289	49,200	88.0	83.1	28	38
2013	43,845	41,485	49,808	49,701	88.0	83.5	29	37
2014	45,210	42,583	51,364	51,296	88.0	83.0	27	37
2015	46,919	44,393	52,942	52,876	88.6	84.0	25	35
2016 2/	48,178	45,546	53,621	53,515	89.8	85.1	24	32
2017 2/	49,671	47,037	55,390	55,338	89.7	85.0	24	30
2018	50,979	48,377	57,265	57,198	89.0	84.6	24	33

1/ Rank of 1 indicates the highest annual wages per employee. District of Columbia is included.

2/ 2016 'Total' rank, and 2017 'Total' and 'Private' wages and percent revised from previous *Data Book*.

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 12, 2019; QCEW Data Viewer <http://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables>; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 12.33-- WORKERS, EARNINGS AND HOURS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGE, 2014 TO 2018

[2017 and 2018 data have been benchmarked. Number of production workers rounded to nearest 50]

Subject 1/	2014	2015	2016	2017	2018
Production workers					
Natural resources, mining & construction 2/	23,600	25,600	28,400	26,800	26,900
Manufacturing 2/	9,800	9,700	9,700	10,000	10,000
Trade, transportation and utilities 3/	98,100	100,800	100,600	101,900	103,300
Wholesale trade 4/	12,700	14,000	14,200	13,600	14,000
Retail trade 3/	58,500	59,300	58,100	58,200	60,400
Financial activities 2/	20,800	20,600	21,000	21,600	22,000
Accommodation and food services 2/	91,800	92,800	95,700	99,700	103,600
Food services and drinking places	55,500	56,500	58,700	61,200	61,200
Average weekly earnings (dollars)					
Natural resources, mining & construction 2/	1,314.58	1,301.70	1,300.99	1,440.00	1,510.83
Manufacturing 2/	718.27	817.68	849.58	813.45	765.37
Trade, transportation and utilities	792.62	835.59	823.97	832.66	864.62
Wholesale trade	895.44	904.26	812.31	796.22	779.65
Retail trade	508.80	553.96	606.92	603.88	635.36
Financial activities 2/	818.33	837.72	796.84	797.18	849.39
Accommodation and food services	523.14	503.43	499.29	522.48	506.23
Food services and drinking places	419.29	387.06	381.13	391.17	375.71
Average weekly hours					
Natural resources, mining & construction	35.8	34.4	35.2	36.0	36.9
Manufacturing	39.1	40.6	39.7	39.7	37.1
Trade, transportation and utilities	33.7	34.5	33.7	34.0	34.0
Wholesale trade	39.0	40.1	38.7	41.6	39.9
Retail trade	31.8	31.8	32.3	31.8	32.4
Financial activities	36.5	36.0	34.6	34.6	34.5
Accommodation and food services	30.9	29.1	27.8	28.0	26.7
Food services and drinking places	29.8	27.2	25.7	25.6	23.9
Average hourly earnings (dollars)					
Natural resources, mining & construction 2/	36.72	37.84	36.96	40.00	42.57
Manufacturing 2/	18.37	20.14	21.40	20.49	20.63
Trade, transportation and utilities	23.52	24.22	24.45	24.49	25.43
Wholesale trade	22.96	22.55	20.99	19.14	19.54
Retail trade	16.00	17.42	18.79	18.99	19.61
Financial activities 2/	22.42	23.27	23.03	23.04	24.62
Accommodation and food services	16.93	17.30	17.96	18.66	18.96
Food services and drinking places	14.07	14.23	14.83	15.28	15.72

1/ Data for 'Information' and 'Accommodation' are no longer available.

2/ 2017 revised from previous *Data Book*.

3/ 2015 and 2017 revised from previous *Data Book*.

4/ 2014, 2016, and 2017 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 April 3, 2019.

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]

Job classification	Job code	2005	2006	2007	2008	2009	2010	2011	2013
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]

Job classification	Job code	State	Kauai County	City & County of Honolulu	Maui County	Hawaii County
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 2018

[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	24,560	14.68	30,530
35-3031	Waiters and waitresses	19,130	25.05	52,110
41-2011	Cashiers	14,590	12.55	26,100
35-3021	Combined food prep. & serving workers including fast food	14,250	11.93	24,820
37-2012	Maids and housekeeping cleaners	13,420	18.32	38,100
37-2011	Janitors and cleaners except maids and housekeeping cleaners	12,860	15.07	31,350
29-1141	Registered nurses	11,310	47.16	98,080
35-2014	Cooks, restaurant	10,660	16.51	34,330
43-9061	Office clerks, general	10,440	16.37	34,050
43-6014	Secretaries & admin. assistants, exc. legal, medical, and executive	10,370	19.37	40,290
11-1021	General and operations managers	9,550	54.83	114,040
33-9032	Security guards	9,460	16.03	33,330
43-5081	Stock clerks and order fillers	8,710	14.48	30,130
37-3011	Landscaping and groundskeeping workers	8,230	16.38	34,070
43-4051	Customer service representatives	8,070	18.59	38,670
35-2021	Food preparation workers	7,700	13.78	28,660
43-1011	First-line supervisors of office & admin. support workers	7,550	28.01	58,260
41-1011	First-line supervisors of retail sales workers	7,430	21.82	45,370
53-7062	Laborers & freight, stock, & material movers, hand	7,280	17.89	37,210
49-9071	Maintenance and repair workers, general	7,180	22.75	47,310
25-3097	Teachers & instructors, all other, exc. substitute teachers	6,600	(3/)	44,520
43-3031	Bookkeeping, accounting, & auditing clerks	6,220	20.01	41,620
25-2021	Elementary school teachers exc. special educ.	6,040	(3/)	61,240
25-9041	Teacher assistants	5,890	(3/)	30,230
35-1012	First-line supervisors of food preparation and serving workers	5,850	20.35	42,330

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 2017 State Occupational Employment and Wage Estimates Hawaii" <http://www.bls.gov/oes/current/oes_hi.htm> accessed April 4, 2019.

**Table 12.37-- EMPLOYMENT AND WAGES OF URBAN HONOLULU
METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS:
MAY 2018**

[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	17,570	14.65	30,470
35-3031	Waiters & waitresses	11,360	25.23	52,480
35-3021	Combined food preparation & serving workers, including fast food	10,380	11.80	24,540
41-2011	Cashiers	9,430	12.21	25,390
37-2011	Janitors & cleaners, exc. maids & housekeeping cleaners	9,390	14.95	31,100
29-1141	Registered nurses	9,150	47.88	99,600
33-9032	Security guards	7,850	15.72	32,690
43-9061	Office clerks, general	7,670	16.48	34,270
43-6014	Secretaries & administrative assistants, except legal, medical, and executive	7,590	19.52	40,590
37-2012	Maids and housekeeping cleaners	7,130	19.18	39,900
11-1021	General and operations managers	6,890	57.90	120,430
35-2014	Cooks, restaurant	6,530	14.97	31,140
43-4051	Customer service representatives	6,240	18.82	39,150
53-7062	Laborers & freight, stock, & material movers, hand	5,640	17.96	37,360
43-1011	First-line supervisors of office & admin. support workers	5,600	28.87	60,050
43-5081	Stock clerks and order fillers	5,540	14.41	29,970
35-2021	Food preparation workers	5,470	13.32	27,700
25-3097	Teachers & instructors, all other, exc. substitute teachers	5,420	(3/)	45,370
41-1011	First-line supervisors of retail sales workers	4,910	21.95	45,660
25-2021	Elementary school teachers, except special education	4,660	(3/)	61,550
25-9041	Teacher assistants	4,510	(3/)	30,330
43-3031	Bookkeeping, accounting, & auditing clerks	4,460	19.98	41,560
37-3011	Landscaping and groundskeeping workers	4,390	15.28	31,790
13-1199	Business operations specialists, all other	4,340	35.73	74,320
49-9071	Maintenance & repair workers, general	4,320	22.72	47,260

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 2018 Metropolitan Area Occupational Employment and Wage Estimates Urban Honolulu, HI MSA"

<http://www.bls.gov/oes/current/oes_46520.htm> accessed April 9, 2019.

**Table 12.38-- EMPLOYMENT AND WAGES OF KAHULUI-WAILUKU-LAHAINA
METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS:
MAY 2018**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employ- ment	Mean wage in dollars	
			Hourly	Annual 2/
35-3031	Waiters & waitresses	4,130	25.04	52,080
41-2031	Retail salespersons	3,480	14.63	30,420
37-2012	Maids and housekeeping cleaners	3,230	17.89	37,200
41-2011	Cashiers	2,420	13.57	28,230
35-2014	Cooks, restaurant	1,950	20.47	42,580
37-3011	Landscaping & groundskeeping workers	1,670	17.36	36,120
35-3021	Combined food preparation and serving workers, including fast food	1,570	12.56	26,120
49-9071	Maintenance & repair workers, general	1,460	23.52	48,910
37-2011	Janitors & cleaners, exc. maids & housekeeping cleaners	1,280	16.91	35,160
43-5081	Stock clerks and order fillers	1,140	15.33	31,890
43-9061	Office clerks, general	1,110	16.63	34,580
41-1011	First-line supervisors of retail sales workers	1,100	23.40	48,670
43-6014	Secretaries & administrative assistants, except legal, medical, and executive	1,070	19.64	40,860
11-1021	General and operations managers	990	52.99	110,220
35-9011	Dining room & cafeteria attendants & bartender helpers	950	18.58	38,650
35-1012	First-line supervisors of food prep. & serving workers	930	25.18	52,380
29-1141	Registered nurses	840	42.93	89,290
35-3011	Bartenders	820	27.55	57,310
35-2021	Food preparation workers	780	15.95	33,180
43-1011	First-line supervisors of office & admin. support workers	780	25.88	53,820
47-2031	Carpenters	750	32.23	67,040
35-9021	Dishwashers	730	16.04	33,370
43-3031	Bookkeeping, accounting, & auditing clerks	720	20.81	43,280
53-7062	Laborers & freight, stock, & material movers, hand	710	18.48	38,440
43-4081	Hotel, motel, and resort desk clerks	700	21.04	43,760

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 2018 Metropolitan Area Occupational Employment and Wage Estimates Kahului-Wailuku-Lahaina, HI MSA"
<http://www.bls.gov/oes/current/oes_27980.htm> accessed April 9, 2019.

Table 12.39-- EMPLOYMENT AND WAGES OF HAWAII- KAUAI NONMETROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: MAY 2018

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employ- ment	Mean wage in dollars	
			Hourly	Annual 2/
35-3031	Waiters and waitresses	3,640	24.53	51,020
41-2031	Retail salespersons	3,510	14.86	30,910
37-2012	Maids and housekeeping cleaners	3,060	16.77	34,880
41-2011	Cashiers	2,740	12.80	26,630
35-3021	Combined food preparation and serving workers, including fast food	2,300	12.10	25,170
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	2,180	14.51	30,170
35-2014	Cooks, restaurant	2,170	17.57	36,550
37-3011	Landscaping and groundskeeping workers	2,170	17.85	37,120
43-5081	Stock clerks and order fillers	2,020	14.21	29,550
43-6014	Secretaries and administrative assistants, except legal, medical, and executive	1,710	18.54	38,560
11-1021	General and operations managers	1,670	43.27	89,990
43-9061	Office clerks, general	1,660	15.70	32,660
35-2021	Food preparation workers	1,440	14.34	29,830
41-1011	First-line supervisors of retail sales workers	1,410	20.10	41,810
49-9071	Maintenance and repair workers, general	1,400	22.03	45,820
29-1141	Registered nurses	1,330	44.82	93,220
43-4051	Customer service representatives	1,330	17.27	35,930
35-9011	Dining room & cafeteria attendants & bartender helpers	1,190	17.29	35,960
43-1011	First-line supervisors of office and administrative support workers	1,170	25.31	52,650
43-3031	Bookkeeping, accounting, and auditing clerks	1,040	19.57	40,710
31-1011	Home health aides	1,030	12.73	26,470
35-1012	First-line supervisors of food prep. & serving workers	990	19.77	41,120
33-9032	Security guards	970	16.95	35,250
47-2061	Construction laborers	940	26.20	54,490
53-7062	Laborers and freight, stock, and material movers, hand	940	17.02	35,410

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 2018 Nonmetropolitan Area Occupational Employment and Wage Estimates, Hawaii-Kauai Nonmetropolitan Area"

<http://www.bls.gov/oes/current/oes_1500001.htm> accessed April 9, 2019.

**Table 12.40-- ANNUAL COMPENSATION OF HIGHEST-PAID EXECUTIVES
OF HAWAII-BASED PUBLIC FIRMS: 1999 TO 2005**

Annual compensation 1/	1999	2000	2001	2002	2003	2004 2/	2005
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 12.41-- MINIMUM WAGE CHRONOLOGY: 1942 TO 2018

[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	1992 3/	4.75
1943	0.30	0.25	1964 2/	1.25	1993 2/	5.25
1945	0.40	0.40	1969	1.40	2002 2/	5.75
1953	0.65	0.55	1970 2/	1.60	2003 2/	6.25
1955	0.75	0.65	1974	2.00	2006 4/	6.75
1957	0.90	0.85	1975 2/	2.40	2007 4/ 5/	7.25
1958	1.00	1.00	1978	2.65	2015 5/	7.75
			1979	2.90	2016 5/	8.50
			1980	3.10	2017 5/	9.25
			1981	3.35	2018 5/	10.10
			1988 2/	3.85		

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)"

<<https://labor.hawaii.gov/rs/files/2018/02/2018-Minimum-Wage-for-Web.pdf>> accessed July 21, 2019; 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> accessed July 19, 2014; and records.

Table 12.42-- MINIMUM WAGE, BY STATE AND FOR THE DISTRICT OF COLUMBIA: JULY 1, 2019

[Dollars per hour. Applicable to nonsupervisory nonfarm private sector employment under state and federal laws. Where federal (\$7.25 per hour since July 24, 2009) and state law have different minimum wage rates, the higher standard applies. Some local governments set minimum wage rates higher than their respective state's minimum wage. Contact individual state labor offices for details via <http://www.dol.gov/whd/contacts/state_of.htm>]

Area	Minimum wage	Area	Minimum wage
Alabama	(1/)	Nebraska	9.00
Alaska	9.89	Nevada	8.25
Arizona	11.00	New Hampshire	7.25
Arkansas	9.25	New Jersey	10.00
California	11.00	New Mexico	7.50
Colorado	11.00	New York	11.10
Connecticut	10.10	North Carolina	7.25
Delaware	8.75	North Dakota	7.25
Florida	8.46	Ohio	8.55
Georgia	7.25	Oklahoma	7.25
Hawaii	10.10	Oregon	11.25
Idaho 2/	7.25	Pennsylvania	7.25
Illinois	8.25	Rhode Island	10.50
Indiana	7.25	South Carolina	(1/)
Iowa	7.25	South Dakota	9.10
Kansas	7.25	Tennessee	(1/)
Kentucky	7.25	Texas	7.25
Louisiana	(1/)	Utah	7.25
Maine	11.00	Vermont	10.78
Maryland	10.10	Virginia	7.25
Massachusetts	12.00	Washington	12.00
Michigan	9.45	West Virginia	8.75
Minnesota	9.86	Wisconsin	7.25
Mississippi	(1/)	Wyoming	7.25
Missouri	8.60	Dist. of Columbia	14.00
Montana	8.50		

1/ No minimum wage required under state laws.

2/ Had been incorrectly shown as \$8.25 in previous *Data Book*.

Source: U. S. Department of Labor, Wage and Hour Division (WHD), "Consolidated Minimum Wage Table - July 1, 2019" <<http://www.dol.gov/whd/minwage/america.htm>> accessed July 21, 2019.

**Table 12.43-- FEDERAL MINIMUM WAGE WORKERS, ANNUAL AVERAGE:
TOTAL, 2003 TO 2018, AND BY SEX, 2003 TO 2013**

[The federal minimum wage applies if higher than the State minimum wage. In 2003 to 2006, the federal rate had been higher than Hawaii's rate but between July 24, 2007 and December 31, 2014 they were both \$7.25 per hour. On January 1, 2015, Hawaii's minimum wage rose to \$7.75; on January 1, 2016 to \$8.50; January 1, 2017 to \$9.25; January 1, 2018 to \$10.10. See Table 12.42 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
2004	329	5	1	4	1.5	0.3	1.2	11
2005	341	4	(1/)	4	1.2	0.0	1.2	12
2006	347	4	1	3	1.2	0.3	0.9	12
2007	338	4	(1/)	4	1.2	0.0	1.2	13
2008	338	5	(1/)	5	1.5	0.0	1.5	13
2009	320	9	3	6	2.8	0.9	1.9	13
2010	318	15	8	7	4.7	2.5	2.2	14
2011	321	15	8	7	4.7	2.5	2.2	14
2012	331	14	7	7	4.2	2.1	2.1	14
2013	325	15	10	5	4.6	3.1	1.5	14
2014	335	17	12	5	5.1	3.6	1.5	(NA)
2015	356	10	5	5	2.8	1.5	1.3	(NA)
2016	363	5	1	4	1.3	0.3	1.1	(NA)
2017	372	6	1	5	1.7	0.3	1.4	(NA)
2018	353	8	1	7	2.2	0.2	1.9	(NA)
Men								
2003	160	2	1	1	1.3	0.6	0.6	12
2004	169	1	(1/)	1	0.6	0.0	0.6	12
2005	168	1	(1/)	1	0.6	0.0	0.6	13
2006	174	1	(1/)	1	0.6	0.0	0.6	14
2007	174	1	(1/)	1	0.6	0.0	0.6	15
2008	175	3	(1/)	3	1.7	0.0	1.7	14
2009	165	4	1	3	2.4	0.6	1.8	15
2010	160	5	3	2	3.1	1.9	1.3	15
2011	160	8	4	4	5.0	2.5	2.5	15
2012	177	7	4	3	4.0	2.3	1.7	15
2013	168	7	4	3	4.2	2.4	1.8	14

Continued on next page.

**Table 12.43-- FEDERAL MINIMUM WAGE WORKERS, ANNUAL AVERAGE:
TOTAL, 2003 TO 2018, AND BY SEX, 2003 TO 2013 -- Con.**

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	
Women								
2003	149	2	-	2	1.3	0.0	1.3	10
2004	160	3	(1/)	3	1.9	0.0	1.9	10
2005	173	3	(1/)	3	1.7	0.0	1.7	11
2006	173	3	1	2	1.7	0.6	1.2	11
2007	164	3	(1/)	3	1.8	0.0	1.8	12
2008	163	3	-	3	1.8	0.0	1.8	12
2009	155	5	2	3	3.2	1.3	1.9	12
2010	158	10	5	5	6.3	3.2	3.2	12
2011	161	7	4	3	4.3	2.5	1.9	13
2012	154	7	4	3	4.5	2.6	1.9	13
2013	157	7	5	2	4.5	3.2	1.3	13

NA Not available.

1/ Rounds to less than 0.5.

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; U.S. Bureau of Labor Statistics, *Characteristics of minimum wage workers*, "Table 3. Wage and salary workers paid hourly rates with earnings at or below the prevailing federal minimum wage, by state" (annual) <https://www.bls.gov/opub/reports/#cps_minimum_wage> accessed May 22, 2019.

Table 12.44-- 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 12.45-- AVERAGE AND TOTAL WEEKLY HOURS AT WORK:
2000 TO 2017**

[In thousands of persons and number of hours. No reports were issued for 2005 to 2007]

Year	Weekly hours								Average hours	
	Total	1 to 14 hours	15 to 29 hours	30 to 34 hours	35 to 39 hours	40 hours	41 to 48 hours	49 hrs. & over	Total at work	Persons who usually work full-time
2000	544	26	74	39	29	243	43	91	40.3	43.9
2001	550	28	75	48	31	235	42	91	38.4	42.4
2002	534	24	70	39	24	253	38	87	38.6	42.3
2003	569	26	71	41	26	279	37	89	38.6	42.3
2004	567	25	68	44	31	276	38	85	38.6	42.1
2008	602	29	81	44	28	293	36	91	38.2	41.9
2009	560	31	78	58	30	255	32	76	37.4	41.1
2010	558	29	76	53	32	262	31	75	37.6	41.4
2011	598	30	80	46	26	309	34	74	37.6	41.5
2012	585	29	73	44	27	303	30	79	37.9	41.7
2013	592	25	73	40	26	319	28	82	38.4	42.0
2014	618	27	82	43	24	328	31	84	38.1	41.9
2015	631	30	86	49	26	333	29	78	37.6	41.6
2016	642	24	77	42	27	360	32	80	38.3	41.7
2017	640	28	81	44	30	331	35	91	38.2	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; Ibid. *2008* (Bulletin 2737, March 2010) <http://www.bls.gov/opub/gp/pdf/gp08_16.pdf> accessed March 2, 2010; Ibid. *2009*, (Bulletin 2748, July 2010) <http://www.bls.gov/opub/gp/pdf/gp09_22.pdf> accessed March 16, 2011; Ibid. *2010* <http://www.bls.gov/opub/gp/pdf/gp10_22.pdf> accessed June 1, 2012; Ibid. *2011* <http://www.bls.gov/opub/gp/pdf/gp11_22.pdf> accessed May 15, 2013; Ibid. *2012* <http://www.bls.gov/opub/gp/pdf/gp12_22.pdf> accessed March 4, 2014; Ibid. *2013* <http://www.bls.gov/opub/gp/pdf/gp13_22.pdf> accessed March 18, 2015; Ibid. *2014* <http://www.bls.gov/opub/gp/pdf/gp14_22.pdf> accessed February 29, 2016; Ibid. *2015* (May 24, 2018) <<https://www.bls.gov/opub/geographic-profile/2015/home.htm>> accessed July 17, 2018; Ibid. *2016* (July 17, 2018) accessed July 18, 2018; Ibid. *2017* <<https://www.bls.gov/opub/geographic-profile/home.htm>> accessed July 5, 2018; and earlier reports.

**Table 12.46-- INTERSTATE MOVEMENT OF JOB-SEEKERS PARTICIPATING
IN THE UNEMPLOYMENT INSURANCE PROGRAM: 1949 TO 2018**

Year	Island workers on Main- land 1/	Mainland workers in Hawaii 2/	Ratio 3/	Year	Island workers on Main- land 1/	Mainland workers in Hawaii 2/	Ratio 3/
1949	1,030	711	69	1984	4,123	4,220	102
1950	966	1,105	114	1985	4,039	3,993	99
1951	377	1,139	302	1986	3,664	3,932	107
1952	455	1,667	366	1987	3,805	3,161	83
1953	576	1,775	308	1988	3,942	2,974	75
1954	907	1,698	187	1989	3,961	2,679	68
1955	665	1,812	272	1990	5,275	2,910	55
1956	686	1,617	236	1991	7,197	3,453	48
1957	1,100	1,813	165	1992	9,554	4,432	46
1958	1,547	2,219	143	1993	9,543	4,356	46
1959	1,280	2,126	166	1994	10,121	4,229	42
1960	1,716	2,595	151	1995	10,115	4,000	40
1961	2,863	3,235	113	1996	8,633	3,338	39
1962	2,966	3,594	121	1997	7,051	2,356	33
1963	2,683	3,787	141	1998	4,366	2,720	62
1964	2,572	3,705	144	1999	3,511	2,572	73
1965	2,257	3,411	151	2000	2,845	2,910	102
1966	1,859	2,655	143	2001	3,423	3,611	105
1967	2,196	3,102	141	2002	3,223	4,325	134
1968	2,014	2,896	144	2003	2,826	4,247	150
1969	2,652	3,600	136	2004	2,359	3,209	136
1970	5,078	6,062	119	2005	2,399	2,680	112
1971	6,215	6,908	111	2006	2,731	2,273	83
1972	6,124	5,994	98	2007	3,028	2,163	71
1973	5,255	6,116	116	2008	3,986	2,559	64
1974	5,924	6,988	118	2009	4,072	3,842	94
1975	7,607	8,785	115	2010	3,214	3,478	108
1976	7,458	8,334	112	2011	3,148	3,384	107
1977	5,846	8,154	139	2012	3,001	2,896	97
1978	4,313	6,261	145	2013	3,187	2,608	82
1979	4,272	5,250	123	2014	3,316	2,054	62
1980	5,211	4,956	95	2015	3,060	1,742	57
1981	5,485	4,396	80	2016	3,038	1,514	50
1982	5,372	4,848	90	2017	2,691	1,378	51
1983	4,414	4,659	106	2018	2,451	1,278	52

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 12.47-- NONFATAL OCCUPATIONAL INJURIES AND ILLNESSES,
PRIVATE INDUSTRY: 1995 TO 2017**

[Numbers in thousands. For 1995 to 2001, 'Injuries' were also presented separately, see *Data Book 2017*. Prior to 2003, industries are according to Standard Industrial Classification (SIC), 1987. Beginning in 2003, industries are according to the North American Industry Classification System (NAICS) manuals, the 2002 for 2003 to 2008, the 2007 for 2009 to 2013 and the 2012 thereafter]

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 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
2015	13.1	3.4	3/ 7.9	3/ 2.1	5.3
2016	13.7	3.5	3/ 8.1	3/ 2.1	5.6
2017	18.0	3.7	3/ 11.4	3/ 2.4	6.6

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>> accessed May 22, 2019 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.48-- FATAL OCCUPATIONAL INJURIES BY EVENT OR EXPOSURE: 2011 TO 2017

[All workers who died in Hawaii while working, including military personnel, federal government workers and nonresidents, but not residents who died out-of-state. Components may not sum to totals]

Event or exposure 1/	2011	2012	2013	2014	2015	2016	2017
Total	26	20	11	31	18	29	20
Violence & other injuries by persons or animals 2/	(3/)	4	(3/)	4	5	(3/)	3
Transportation incidents 4/	10	3	4	14	6	20	10
Fires and explosions	5	(3/)	(3/)	(3/)	(3/)	(3/)	(3/)
Falls, slips, trips	6	8	4	7	3	5	5
Exposure to harmful substances or environ.	2	(3/)	2	(3/)	3	(3/)	(3/)
Contact with objects and equipment	(3/)	4	(3/)	3	(3/)	1	(3/)
Overexertion and bodily reaction							

1/ 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/osh/iics.htm>.

2/ Includes violence by persons, self-inflicted injuries, and attacks by animals.

3/ Indicates no data reported or data that do not meet publication standards.

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 (2011 forward)" <<https://data.bls.gov/PDQWeb/fw>> accessed June 13, 2019; and "National Census of Fatal Occupational Injuries in 2017" <<https://www.bls.gov/news.release/pdf/cfoi.pdf>> accessed January 25, 2019.

Table 12.49-- FATAL OCCUPATIONAL INJURIES FOR HAWAII AND THE UNITED STATES: 1992 TO 2017

[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]

Year	Hawaii	United States	Year	Hawaii	United States
1992	28	6,217	2006	30	5,840
1993	26	6,331	2007	23	5,657
1994	21	6,632	2008	19	5,214
1995	24	6,275	2009	13	4,551
1996	27	6,202	2010	19	4,690
1997	19	6,238			
1998	12	6,055	Revised OIICS 1/		
1999	32	6,054	2011	26	4,693
2000	20	5,920	2012	20	4,628
2001 2/	41	5,915	2013	11	4,585
2002	24	5,534	2014	31	4,821
2003	21	5,575	2015	18	4,836
2004	25	5,764	2016	29	5,190
2005	15	5,734	2017	20	5,147

1/ 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/osh/oic.htm>>.

2/ Totals for 2001 exclude fatalities resulting from the September 11 terrorist attacks.

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/cfoi/cftb0186.pdf>> accessed April 21, 2005; *Census of Fatal Occupational Injuries (CFOI) - Current and Revised Data*, "Census of Fatal Occupational Injuries Charts, 1992-2015 (revised data)" <<http://www.bls.gov/iif/oshcfoi1.htm>> accessed January 5, 2017; <https://www.bls.gov/news.release/cfoi.nr0.htm> accessed December 19, 2017; 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 January 25, 2019.

**Table 12.50-- WORK INJURIES, DEATHS, TIME LOST AND
COMPENSATION COSTS: 1990 TO 2017**

Year	Reported cases	Reported deaths	Time lost (compensated days)	Compensation costs (\$1,000)
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
2015	20,805	27	1,129,742	298,237
2016	21,042	33	1,128,972	306,058
2017	20,629	15	1,165,718	325,104

Source: Hawaii State Department of Labor and Industrial Relations, *Workers' Compensation Data Book* (annual) and for 1993 to 2017
<<http://labor.hawaii.gov/rs/home/work-injuries-and-illnesses/workers-compensation-data/>> accessed April 3, 2019.

Table 12.51-- UNION AFFILIATION OF EMPLOYED WAGE AND SALARY WORKERS FOR HAWAII AND THE UNITED STATES: 2000 TO 2018

[Data reflect annually revised population controls used in the Current Population Survey which is a monthly survey of households conducted by the U.S. Census Bureau for the U.S. 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 em- ployed (1,000)	Members of unions (1,000) 1/		Represented by unions (1,000) 2/		Total em- ployed (1,000)	Members of unions (1,000) 1/		Represented by unions (1,000) 2/	
		Total	Percent of em- ployed	Total	Percent of em- ployed		Total	Percent of em- ployed	Total	Percent of em- ployed
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
2016	597	119	19.9	125	20.9	136,101	14,555	10.7	16,271	12.0
2017	605	129	21.3	139	22.9	137,890	14,817	10.7	16,444	11.9
2018	601	139	23.1	146	24.3	140,099	14,744	10.5	16,380	11.7

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 - 2018" (USDLE-19-0079, January 18, 2019) <<http://www.bls.gov/news.release/union2.toc.htm>> accessed January 19, 2018 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 18, 2019.

Table 12.52-- LABOR UNIONS AND MEMBERSHIP: 2007- 2008 AND 2009- 2010

Subject	Total	AFL-CIO affiliated	Independent
2007- 2008			
Unions	112	93	19
Membership	1/ 2/ 169,127	1/ 106,439	2/ 62,688
2009- 2010			
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/ 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 12.53-- STATE AND COUNTY EMPLOYEES IN COLLECTIVE BARGAINING UNITS,
BY EMPLOYING JURISDICTION: 1999 TO 2017**

[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.	Judici- ary	Univer- sity 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
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 3/	61,086	12,773	8,181	2,286	2,101	1,119	21,714	1,607	7,519	3,786
2015 3/	60,729	12,368	8,172	2,306	2,125	1,082	21,562	1,599	7,410	4,105
2016 3/	60,607	12,848	8,209	2,322	2,153	1,084	21,633	1,554	7,349	3,455
2017 3/	59,657	12,701	8,125	2,288	2,113	1,197	22,209	1,560	7,272	2,192

1/ HHSC is the Hawaii Health Systems Corporation.

2/ Included in 'State of Hawaii'.

3/ In 2014 includes 152 employees; in 2015, 212 employees, in 2016, 771 employees; and in 2017, 744 employees in new Bargaining Unit 14 State law enforcement officers and state and county ocean safety and water safety officers. See Table 9.75 for number of employees by bargaining unit and employer.

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 Second Revision*, July 27, 2016; *No. 55*, April 12, 2017; *No. 56*, February 14, 2018 and unpublished correction; and earlier issues; for *No. 43* to current, see also <<http://labor.hawaii.gov/hlrp/find-a-report/>> accessed May 29, 2019.

Table 12.54-- COLLECTIVE BARGAINING AGREEMENTS: 1964 TO 2018

Year	Number of agree-ments	Workers covered		Year	Number of agree-ments	Workers covered	
		Total	Average per agree-ment			Total	Average per agree-ment
1964	275	(NA)	(NA)	1992	1,413	21,400	15
1965	309	31,500	102	1993	369	65,900	179
1966	277	23,800	86	1994	84	8,000	95
1967	257	15,900	62	1995	270	57,300	212
1968	172	15,400	90	1996	136	49,250	362
1969	296	19,100	65	1997	1,334	62,800	47
1970	190	14,900	78	1998	786	18,900	24
1971	151	9,800	65	1999	123	65,890	536
1972	511	47,100	92	2000	(1/)	(1/)	(1/)
1973	390	28,000	72	2001	(1/)	(1/)	(1/)
1974	223	34,700	156	2002	1,187	21,550	18
1975	1,265	36,100	29	2003	252	69,800	277
1976	380	57,450	151	2004	71	8,900	125
1977	2,255	87,350	39	2005	199	61,430	309
1978	967	29,500	31	2006	74	10,850	147
1979	312	61,600	198	2007	249	73,210	294
1980	2,298	49,900	22	2008	202	13,440	67
1981	267	53,700	201	2009	63	66,720	1,059
1982	379	27,400	72	2010	(1/)	(1/)	(1/)
1983	1,019	68,000	67	2011	(1/)	(1/)	(1/)
1984	901	26,200	29	2012	76	9,598	126
1985	350	58,450	167	2013	76	12,528	165
1986	138	13,550	98	2014	90	15,000	167
1987	1,375	80,400	58	2015	74	45,500	615
1988	433	16,290	38	2016	50	3,450	69
1989	104	50,950	490	2017	56	63,000	1,125
1990	194	24,300	125	2018	58	7,644	132
1991	107	23,700	221				

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 12.55-- WORK STOPPAGES: 1990 TO 2018

[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/	-	-	-
2016	-	-	-
2017	-	-	-
2018	1	2,700	(NA)

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 8, 2019.

**Table 12.56-- WORK STOPPAGES INVOLVING 1,000 OR MORE WORKERS:
1983 TO 2018**

Year	Number of stoppages begun in year	Workers involved 1/	Man-days idle during year	Percent of estimated nonagricultural working time
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)
2012-2017	-	-	-	-
2018	1	2,700	(NA)	(NA)

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 8, 2019.

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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.

**Table 13.01-- DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES:
1990 TO 2017**

[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	(NA)	(NA)	(NA)	14,973.3
2015	(NA)	(NA)	(NA)	15,110.9
2016	(NA)	(NA)	(NA)	15,911.2
2017	(NA)	(NA)	(NA)	16,809.4

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.

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> accessed July 30, 2013; Hawaii State Department of Business, Economic Development & Tourism, *Annual Visitor Research Report* (annual) <<http://www.hawaii-tourismauthority.org/>> accessed January 16, 2019 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/>> accessed July 14, 2012 and records.

**Table 13.02-- GROSS DOMESTIC PRODUCT, TOTAL AND PER CAPITA
AND RESIDENT POPULATION: 1963 TO 2018**

[The Standard Industrial Classification (SIC) 1972 is the basis for 1963-1986 and the 1987 for 1987-1997. The North American Industry Classification System (NAICS) 2012 is the basis for 1997 to 2017. Gross Domestic Product 1998 to 2017 and population and per capita estimates 2010 to 2017 are 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	23,680	10,310	25,859	915,749
1978	10,508	24,605	11,313	26,491	928,816
1979	11,869	25,849	12,493	27,208	950,050
1980	13,380	26,760	13,826	27,653	967,710
1981	14,640	26,654	14,966	27,248	978,195
1982	15,740	26,867	15,839	27,035	993,780
1983	17,260	27,932	17,043	27,581	1,012,717
1984	19,132	28,979	18,612	28,192	1,027,922
1985	20,722	29,973	19,931	28,829	1,039,698
1986	22,437	30,989	21,333	29,464	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	33,476	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	32,509	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 2018 -- Con.**

Year and category	Gross domestic product		Per capita gross domestic product		Resident population 2/
	Millions of current dollars	Millions of chained 2012 dollars 1/	Current dollars 2/	Chained 2012 dollars 1/	
NAICS 3/					
1997	37,655	55,679	31,078	45,953	1,211,640
1998	37,624	54,360	30,961	44,732	1,215,233
1999	39,250	55,182	32,430	45,594	1,210,300
2000	41,500	56,417	34,198	46,491	1,213,519
2001	42,894	56,019	34,989	45,695	1,225,948
2002	45,447	57,912	36,662	46,718	1,239,613
2003	48,929	60,838	39,107	48,626	1,251,154
2004	53,762	64,928	42,213	50,981	1,273,569
2005	58,668	68,566	45,383	53,039	1,292,729
2006	62,365	70,403	47,617	53,754	1,309,731
2007	65,234	71,192	49,582	54,110	1,315,675
2008	66,865	71,689	50,191	53,812	1,332,213
2009	65,692	69,095	48,779	51,306	1,346,717
2010	68,197	71,007	49,999	52,059	1,363,963
2011	70,483	72,080	51,102	52,260	1,379,252
2012	73,583	73,583	52,751	52,751	1,394,905
2013	75,788	74,278	53,810	52,737	1,408,453
2014	77,973	74,504	55,110	52,658	1,414,862
2015	82,751	77,023	58,174	54,146	1,422,484
2016	85,867	78,757	60,126	55,148	1,428,105
2017	89,044	79,998	62,522	56,170	1,424,203
2018	92,027	80,798	64,785	56,880	1,420,491

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. Per capita real GDP statistics for 2010-2018 reflect Census Bureau midyear population estimates available as of December 2018. 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 (May 1, 2019) <<https://apps.bea.gov/iTable/iTable.cfm?acrdn=6&isuri=1&reqid=70&step=1#reqid=70&step=1&isuri=1>> accessed June 6, 2019; Ibid. SAINC1 Personal Income Summary: Personal Income, Population, Per Capita Personal Income" (March 26, 2019) <<https://apps.bea.gov/iTable/iTable.cfm?acrdn=6&isuri=1&reqid=70&step=1#reqid=70&step=1&isuri=1>> accessed June 6, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.03-- GROSS DOMESTIC PRODUCT, HAWAII AND THE UNITED STATES: 1963 TO 2018

[The Standard Industrial Classification (SIC) 1972 is the basis for 1963-1986 and the 1987 for 1987-1997. The North American Industry Classification System (NAICS) 2012 is the basis for 1997 to 2017. 1997 to 2017 estimates are revised from previous *Data Book*]

Year and category	Hawaii			United States		
	Millions of dollars		Chained quantity index 1/ (1997=100)	Millions of dollars		Chained quantity index 1/ (1997=100)
	Current	Real 1/ (chained 1997 dollars)		Current	Real 1/ (chained 1997 dollars)	
SIC 2/						
1963	2,367	(NA)	(NA)	607,008	(NA)	(NA)
1964	2,572	(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	23,680	60.618	1,986,408	4,524,026	54.609
1978	10,509	24,605	62.986	2,243,230	4,765,699	57.526
1979	11,869	25,849	66.170	2,489,417	4,909,210	59.258
1980	13,380	26,760	68.503	2,713,933	4,908,867	59.254
1981	14,640	26,654	68.231	3,057,318	5,042,118	60.863
1982	15,740	26,867	68.777	3,211,370	4,977,350	60.081
1983	17,260	27,932	71.502	3,445,372	5,120,074	61.804
1984	19,132	28,979	74.183	3,853,668	5,485,271	66.212
1985	20,722	29,973	76.728	4,126,664	5,704,145	68.854
1986	22,437	30,989	79.329	4,340,813	5,826,832	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	36,130	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

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Table 13.03-- GROSS DOMESTIC PRODUCT, HAWAII AND THE UNITED STATES: 1963 TO 2018 -- Con.

Year and category	Hawaii			United States		
	Millions of dollars		Chained quantity index 1/ (2012=100)	Millions of dollars		Chained quantity index 1/ (2012=100)
	Current	Real 1/ (chained 2012 dollars)		Current	Real 1/ (chained 2012 dollars)	
NAICS 2/						
1997	37,655	55,679	75.668	8,577,552	11,521,938	71.136
1998	37,624	54,360	73.876	9,062,817	12,038,283	74.324
1999	39,250	55,182	74.993	9,630,663	12,610,491	77.857
2000	41,500	56,417	76.672	10,252,347	13,130,987	81.070
2001	42,894	56,019	76.131	10,581,822	13,262,079	81.880
2002	45,447	57,912	78.703	10,936,418	13,493,064	83.306
2003	48,929	60,838	82.680	11,458,246	13,879,129	85.689
2004	53,762	64,928	88.238	12,213,730	14,406,382	88.945
2005	58,668	68,566	93.182	13,036,637	14,912,509	92.070
2006	62,365	70,403	95.679	13,814,609	15,338,257	94.698
2007	65,234	71,192	96.751	14,451,860	15,626,029	96.475
2008	66,865	71,689	97.427	14,712,845	15,604,687	96.343
2009	65,692	69,095	93.901	14,448,932	15,208,834	93.899
2010	68,197	71,007	96.499	14,992,052	15,598,753	96.306
2011	70,483	72,080	97.958	15,542,582	15,840,664	97.800
2012	73,583	73,583	100.000	16,197,007	16,197,007	100.000
2013	75,788	74,278	100.944	16,784,851	16,495,369	101.842
2014	77,973	74,504	101.253	17,521,747	16,899,831	104.339
2015	82,751	77,023	104.675	18,219,297	17,386,700	107.345
2016	85,867	78,757	107.032	18,707,189	17,659,187	109.027
2017	89,044	79,998	108.718	19,485,394	18,050,693	111.445
2018	92,027	80,798	109.806	20,494,079	18,566,442	114.629

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 2018.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by State (May 1, 2019)
<<https://apps.bea.gov/itable/itable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed May 1, 2019.

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 1997 to 2017 estimates on May 6, 2019 but the current dollar SIC 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 SIC Industry 1963 to 1997 (November 10, 2010)

<<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed November 24, 2010.

Table 13.05-- GROSS DOMESTIC PRODUCT, BY NAICS INDUSTRY: 1997 TO 2018

[In millions of current dollars. GDP estimates for 1997 to 2018 are on the 2012 North American Industry Classification System (NAICS) basis. 1997 to 2017 are revised from previous *Data Book*. See previous table for 1977 to 1997 on an SIC basis]

Industry	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total, all industries	37,655	37,624	39,250	41,500	42,894	45,447	48,929	53,762	58,668	62,365	65,234
Private industries	29,895	29,648	30,833	32,906	33,960	35,740	38,451	42,482	46,658	49,609	51,864
Agri., forestry, fish., & hunt	334	332	358	355	352	378	409	422	421	435	414
Mining	35	35	40	42	39	34	39	42	42	64	93
Utilities	867	793	864	917	898	826	911	1,029	1,054	1,253	1,281
Construction	1,673	1,647	1,678	1,944	2,065	2,261	2,624	3,022	3,834	4,208	4,736
Manufacturing	759	724	802	827	928	980	1,084	1,059	1,142	1,185	1,205
Wholesale trade	1,465	1,463	1,479	1,541	1,591	1,632	1,735	1,833	1,951	1,992	2,105
Retail trade	3,115	3,077	3,096	3,260	3,421	3,467	3,827	4,115	4,428	4,569	4,598
Trans. & warehousing	2,163	2,038	2,022	2,011	1,841	1,860	2,041	2,379	2,723	3,002	2,962
Information	1,135	1,091	1,100	1,119	1,151	1,260	1,230	1,492	1,551	1,695	1,841
Finance and insurance	1,309	1,345	1,399	1,614	1,598	1,869	1,936	2,100	2,219	2,229	2,310
Real estate, rental, & leasing	6,374	6,392	6,813	7,134	7,471	7,660	8,161	9,234	10,636	11,221	12,035
Prof., scientific & tech. serv.	1,501	1,402	1,439	1,540	1,775	2,007	2,133	2,261	2,459	2,674	2,839
Mgt of companies & enterprises	389	418	405	418	495	585	626	821	741	745	772
Administrative & waste services	982	976	1,043	1,157	1,290	1,416	1,590	1,684	1,719	1,875	1,943
Educational services	408	400	417	455	468	476	541	593	615	651	684
Health care & social assistance	2,346	2,283	2,357	2,497	2,673	2,802	2,998	3,204	3,413	3,583	3,746
Arts, entertainment, & recreation	3,892	4,052	4,305	4,781	4,641	4,877	5,224	5,803	6,227	6,638	6,695
Accommodation & food services	3,371	3,545	3,792	4,234	4,111	4,318	4,638	5,209	5,627	6,027	6,015
Accommodation	2,368	2,510	2,673	3,020	2,866	2,986	3,176	3,597	3,911	4,217	4,166
Food serv. & drinking places	1,003	1,035	1,119	1,213	1,246	1,333	1,462	1,612	1,717	1,810	1,850
Other services, exc. gov't	1,147	1,180	1,216	1,294	1,264	1,351	1,343	1,391	1,480	1,592	1,604
Government	7,760	7,976	8,417	8,594	8,934	9,707	10,478	11,279	12,010	12,756	13,370
Federal civilian	1,903	2,014	2,079	2,236	2,285	2,489	2,683	2,781	2,907	3,045	3,181
Federal military	2,265	2,282	2,299	2,390	2,590	2,862	3,201	3,537	3,883	4,198	4,484
State & local	3,592	3,681	4,039	3,968	4,059	4,357	4,594	4,961	5,221	5,512	5,705

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Table 13.05-- GROSS DOMESTIC PRODUCT, BY NAICS INDUSTRY: 1997 TO 2018 -- Con.

Industry	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total, all industries	66,865	65,692	68,197	70,483	73,583	75,788	77,973	82,751	85,867	89,044	92,027
Private industries	52,699	51,091	53,085	54,707	57,485	59,611	61,113	65,454	68,265	71,235	74,045
Agri., forestry, fish., & hunt	431	457	480	559	536	519	487	499	472	433	406
Mining	98	104	87	70	70	63	61	64	75	63	72
Utilities	1,450	1,427	1,691	1,964	2,038	2,048	2,078	1,854	1,788	1,850	1,937
Construction	4,631	4,194	3,683	3,538	3,639	3,708	3,972	4,670	5,265	5,115	5,230
Manufacturing	1,371	1,327	1,260	1,353	1,426	1,541	1,671	1,654	1,577	1,747	1,865
Wholesale trade	2,197	2,074	2,143	2,239	2,344	2,455	2,518	2,673	2,652	2,781	2,827
Retail trade	4,473	4,310	4,480	4,814	5,098	5,257	5,276	5,493	5,561	5,807	6,068
Trans. & warehousing	2,713	2,723	3,181	3,103	3,398	3,613	3,766	4,224	4,582	5,027	5,156
Information	1,757	1,750	1,933	1,584	1,534	1,694	1,652	1,804	1,826	1,879	2,037
Finance and insurance	2,206	2,081	2,082	2,262	2,394	2,254	2,650	2,882	2,843	2,843	2,865
Real estate, rental, & leasing	12,679	12,631	13,482	13,666	14,321	14,705	14,690	16,197	17,509	18,304	19,242
Prof., scientific & tech. serv.	3,086	2,977	2,981	3,115	3,180	3,207	3,288	3,382	3,394	3,571	3,712
Mgt of companies & enterprises	761	718	750	794	887	985	992	1,013	1,054	1,088	1,115
Administrative & waste services	2,040	1,990	2,200	2,325	2,434	2,568	2,706	2,828	2,950	3,057	3,183
Educational services	768	844	871	893	931	921	923	919	936	940	952
Health care & social assistance	4,085	4,319	4,409	4,570	4,705	4,896	5,065	5,368	5,600	5,913	6,229
Arts, entertainment, & recreation	6,347	5,618	5,797	6,244	6,903	7,485	7,550	8,088	8,275	8,821	9,062
Accommodation & food services	5,594	4,847	5,090	5,546	6,137	6,587	6,606	7,147	7,380	7,790	8,024
Accommodation	3,764	2,991	3,179	3,548	4,018	4,316	4,191	4,495	4,554	4,756	(NA)
Food serv. & drinking places	1,829	1,855	1,910	1,997	2,119	2,272	2,415	2,652	2,826	3,033	(NA)
Other services, exc. gov't	1,607	1,548	1,575	1,613	1,649	1,693	1,769	1,843	1,908	1,999	2,086
Government	14,166	14,601	15,112	15,776	16,097	16,177	16,860	17,297	17,602	17,808	17,982
Federal civilian	3,273	3,475	3,766	3,997	4,099	3,957	4,085	4,213	4,356	4,475	(NA)
Federal military	4,850	5,014	5,213	5,373	5,452	5,329	5,368	5,524	5,316	5,205	(NA)
State & local	6,042	6,111	6,132	6,405	6,547	6,892	7,408	7,560	7,930	8,128	(NA)

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By State 1963 to 2018 (May 1, 2019)

<<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1>> accessed June 17, 2019.

Table 13.06-- GROSS DOMESTIC PRODUCT, BY NAICS INDUSTRY, IN CONSTANT DOLLARS: 1997 TO 2018

[In millions of chained 2012 dollars. GDP estimates for 1997 to 2018 are on the 2012 North American Industry Classification System (NAICS) basis. 1997 to 2017 are revised from previous *Data Book*. See earlier table for 1977 to 1997 on an SIC basis]

Industry	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total, all industries	55,679	54,360	55,182	56,417	56,019	57,912	60,838	64,928	68,566	70,403	71,192
Private industries	43,046	41,728	42,322	43,675	43,270	44,661	47,151	50,726	54,000	55,540	56,222
Agri., forestry, fishing, & hunting	437	463	559	603	558	651	633	559	656	711	509
Mining	101	108	129	136	125	103	111	101	80	103	137
Utilities	1,169	1,070	1,236	1,328	1,066	1,037	1,078	1,194	1,166	1,286	1,312
Construction	3,407	3,135	3,025	3,301	3,257	3,400	3,769	4,038	4,617	4,638	4,930
Manufacturing	1,393	1,307	1,387	1,386	1,508	1,633	1,721	1,631	1,562	1,549	1,542
Wholesale trade	1,884	1,934	1,950	2,002	2,137	2,218	2,379	2,411	2,477	2,418	2,499
Retail trade	3,753	3,758	3,766	3,902	4,099	4,200	4,639	4,908	5,160	5,185	5,053
Trans. & warehousing	3,493	3,162	2,969	2,555	2,035	1,977	2,163	2,587	3,027	3,318	3,298
Information	959	928	946	978	1,002	1,100	1,079	1,329	1,433	1,605	1,768
Finance and insurance	1,567	1,604	1,697	1,926	1,887	2,155	2,161	2,283	2,376	2,345	2,400
Real estate, rental, & leasing	8,706	8,524	8,806	8,953	9,091	8,973	9,379	10,387	11,718	12,025	12,644
Prof., scientific & tech. services	2,209	1,993	1,967	2,027	2,275	2,522	2,615	2,679	2,808	2,949	3,024
Mgt of companies & enterprises	795	788	717	677	824	956	997	1,126	963	896	832
Administrative & waste services	1,309	1,258	1,300	1,386	1,497	1,608	1,813	1,873	1,891	2,007	2,037
Educational services	754	704	700	728	721	703	764	803	794	802	808
Health care & social assistance	3,499	3,289	3,316	3,440	3,500	3,559	3,717	3,888	4,048	4,158	4,169
Arts, entertainment, & recreation	802	754	729	750	701	720	732	725	709	700	750
Accommodation & food services	5,361	5,396	5,521	5,999	5,526	5,692	6,057	6,694	6,858	7,082	6,695
Accommodation	3,640	3,681	3,733	4,097	3,680	3,796	4,014	4,485	4,578	4,749	4,429
Food serv. & drinking places	1,687	1,678	1,756	1,861	1,821	1,869	2,017	2,176	2,247	2,296	2,240
Other services, exc. gov't	2,004	1,988	1,967	1,995	1,851	1,894	1,836	1,841	1,887	1,949	1,887
Government	12,665	12,704	12,937	12,772	12,791	13,302	13,721	14,214	14,555	14,848	14,952
Federal civilian	3,030	3,153	3,159	3,293	3,269	3,377	3,442	3,447	3,459	3,486	3,511
Federal military	3,607	3,572	3,492	3,521	3,704	3,884	4,106	4,384	4,621	4,806	4,948
State & local	6,047	5,996	6,309	5,975	5,833	6,056	6,187	6,397	6,486	6,566	6,499

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**Table 13.06-- GROSS DOMESTIC PRODUCT, BY NAICS INDUSTRY, IN CONSTANT DOLLARS:
1997 TO 2018 -- Con.**

Industry	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total, all industries	71,689	69,095	71,007	72,080	73,583	74,278	74,504	77,023	78,757	79,998	80,798
Private industries	56,263	53,628	55,410	56,086	57,485	58,467	58,463	61,000	62,606	63,966	64,874
Agri., forestry, fishing, & hunting	529	721	648	577	536	504	511	622	677	575	534
Mining	126	125	94	69	70	70	69	80	95	78	86
Utilities	1,501	1,311	1,612	1,886	2,038	1,978	1,847	1,633	1,634	1,647	1,695
Construction	4,797	4,279	3,840	3,634	3,639	3,580	3,587	4,024	4,371	4,083	3,997
Manufacturing	1,770	1,758	1,536	1,445	1,426	1,590	1,712	1,698	1,775	1,813	1,762
Wholesale trade	2,527	2,224	2,285	2,312	2,344	2,408	2,455	2,584	2,546	2,640	2,638
Retail trade	4,850	4,590	4,736	4,979	5,098	5,187	5,152	5,284	5,393	5,668	5,904
Trans. & warehousing	3,009	3,011	3,409	3,288	3,398	3,529	3,498	3,662	3,932	4,281	4,314
Information	1,716	1,718	1,920	1,586	1,534	1,693	1,665	1,877	1,935	2,043	2,252
Finance and insurance	2,306	2,290	2,196	2,350	2,394	2,179	2,447	2,578	2,425	2,359	2,241
Real estate, rental, & leasing	13,112	12,820	13,812	13,884	14,321	14,440	14,094	15,066	15,868	16,153	16,556
Prof., scientific & tech. services	3,225	3,087	3,068	3,160	3,180	3,159	3,216	3,234	3,224	3,332	3,418
Mgt of companies & enterprises	809	738	762	802	887	977	1,006	1,007	1,049	1,088	1,116
Administrative & waste services	2,102	2,008	2,235	2,351	2,434	2,526	2,607	2,645	2,671	2,722	2,787
Educational services	872	924	929	925	931	892	870	843	836	817	811
Health care & social assistance	4,455	4,566	4,556	4,658	4,705	4,837	4,952	5,181	5,288	5,484	5,689
Arts, entertainment, & recreation	809	808	742	723	766	884	910	872	802	912	897
Accommodation & food services	6,006	5,118	5,391	5,801	6,137	6,403	6,217	6,464	6,436	6,612	6,570
Accommodation	3,886	3,137	3,370	3,701	4,018	4,201	3,934	4,080	4,004	4,079	(NA)
Food serv. & drinking places	2,109	1,982	2,021	2,101	2,119	2,202	2,284	2,384	2,431	2,532	(NA)
Other services, exc. gov't	1,822	1,672	1,661	1,660	1,649	1,641	1,668	1,679	1,686	1,715	1,739
Government	15,417	15,467	15,597	15,994	16,097	15,812	16,041	16,026	16,155	16,034	15,926
Federal civilian	3,530	3,668	3,869	4,027	4,099	3,920	3,953	3,992	4,092	4,131	(NA)
Federal military	5,230	5,292	5,355	5,412	5,452	5,280	5,194	5,234	4,994	4,805	(NA)
State & local	6,662	6,509	6,374	6,555	6,547	6,609	6,885	6,794	7,052	7,078	(NA)

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By State 1997 to 2018 (May 1, 2019)

<<https://www.bea.gov/itable/itable.cfm?ReqID=70&step=1>> accessed June 17, 2019.

**Table 13.07-- TOTAL AND PER CAPITA PERSONAL INCOME FOR HAWAII
AND THE UNITED STATES: 1969 TO 2018**

[Hawaii and the U.S. personal income, per capita personal income and Hawaii as percent of U.S. average for 1969 to 2016 and population for 2010 to 2016 revised from previous *Data Book*. 2018 data are preliminary]

Year	Personal income (millions of dollars)		Resident population 1/		Per capita personal income 2/		
	Hawaii	U.S.	Hawaii	U.S.	Dollars		Hawaii as percent of U.S. average
					Hawaii	U.S.	
1969	3,643	791,229	743,000	201,298,000	4,903	3,931	124.7
1970	4,225	855,525	762,920	203,798,722	5,538	4,198	131.9
1971	4,584	924,613	791,580	206,817,509	5,791	4,471	129.5
1972	5,048	1,016,408	818,104	209,274,882	6,170	4,857	127.0
1973	5,593	1,133,468	841,851	211,349,205	6,643	5,363	123.9
1974	6,361	1,244,912	858,121	213,333,635	7,412	5,836	127.0
1975	6,919	1,362,505	875,052	215,456,585	7,907	6,324	125.0
1976	7,466	1,495,704	892,335	217,553,859	8,367	6,875	121.7
1977	8,084	1,651,632	915,749	219,760,875	8,828	7,516	117.5
1978	8,954	1,855,849	928,816	222,098,244	9,640	8,356	115.4
1979	10,043	2,073,257	950,050	224,568,579	10,571	9,232	114.5
1980	11,484	2,313,160	967,710	227,224,719	11,867	10,180	116.6
1981	12,434	2,592,915	978,195	229,465,744	12,711	11,300	112.5
1982	13,166	2,779,794	993,780	231,664,432	13,249	11,999	110.4
1983	14,443	2,968,676	1,012,717	233,792,014	14,262	12,698	112.3
1984	15,473	3,279,488	1,027,922	235,824,907	15,052	13,906	108.2
1985	16,453	3,510,471	1,039,698	237,923,734	15,824	14,755	107.2
1986	17,458	3,719,647	1,051,762	240,132,831	16,599	15,490	107.2
1987	18,619	3,946,593	1,067,917	242,288,936	17,435	16,289	107.0
1988	20,478	4,267,813	1,079,827	244,499,004	18,964	17,455	108.6
1989	22,874	4,609,667	1,094,588	246,819,222	20,897	18,676	111.9
1990	24,979	4,897,821	1,113,491	249,622,814	22,433	19,621	114.3
1991	26,433	5,067,291	1,136,754	252,980,941	23,253	20,030	116.1
1992	28,435	5,409,920	1,158,613	256,514,224	24,542	21,090	116.4
1993	29,477	5,648,732	1,172,838	259,918,588	25,133	21,733	115.6
1994	30,164	5,940,128	1,187,536	263,125,821	25,400	22,575	112.5
1995	30,864	6,286,143	1,196,854	266,278,393	25,788	23,607	109.2
1996	30,895	6,673,186	1,203,755	269,394,284	25,665	24,771	103.6
1997	31,908	7,086,935	1,211,640	272,646,925	26,334	25,993	101.3
1998	32,703	7,601,594	1,215,233	275,854,104	26,911	27,557	97.7
1999	33,864	8,001,563	1,210,300	279,040,168	27,980	28,675	97.6
2000	35,852	8,650,325	1,213,519	282,162,411	29,544	30,657	96.4

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**Table 13.07-- TOTAL AND PER CAPITA PERSONAL INCOME FOR HAWAII
AND THE UNITED STATES: 1969 TO 2018 -- Con.**

Year	Personal income (millions of dollars)		Resident population 1/		Per capita personal income 2/		
	Hawaii	U.S.	Hawaii	U.S.	Dollars		Hawaii as percent of U.S. average
					Hawaii	U.S.	
2001	37,355	9,001,839	1,225,948	284,968,955	30,470	31,589	96.5
2002	39,012	9,155,663	1,239,613	287,625,193	31,471	31,832	98.9
2003	40,852	9,480,901	1,251,154	290,107,933	32,652	32,681	99.9
2004	44,055	10,028,781	1,273,569	292,805,298	34,592	34,251	101.0
2005	47,360	10,593,946	1,292,729	295,516,599	36,635	35,849	102.2
2006	50,774	11,372,589	1,309,731	298,379,912	38,766	38,114	101.7
2007	53,520	12,002,204	1,315,675	301,231,207	40,679	39,844	102.1
2008	56,166	12,438,527	1,332,213	304,093,966	42,160	40,904	103.1
2009	56,013	12,051,307	1,346,717	306,771,529	41,593	39,284	105.9
2010	57,101	12,541,995	1,363,963	309,326,085	41,864	40,546	103.3
2011	59,922	13,315,478	1,379,252	311,580,009	43,446	42,735	101.7
2012	62,435	13,998,383	1,394,905	313,874,218	44,759	44,599	100.4
2013	63,355	14,175,503	1,408,453	316,057,727	44,982	44,851	100.3
2014	66,899	14,983,140	1,414,862	318,386,421	47,283	47,060	100.5
2015	70,323	15,711,634	1,422,484	320,742,673	49,437	48,985	100.9
2016	72,650	16,115,630	1,428,105	323,071,342	50,872	49,883	102.0
2017	75,355	16,820,250	1,424,203	325,147,121	52,910	51,731	102.3
2018	77,509	17,572,929	1,420,491	327,167,434	54,565	53,712	101.6

1/ U.S. Census Bureau midyear population estimate. 2010-2018 use state population estimates available as of December 2018.

2/ Per capita personal income is total personal income divided by total midyear population.

Source: U.S. Bureau of Economic Analysis, State Personal Income Summary SAINC1
(March 26, 2019) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed April 4, 2019;
and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.08-- TOTAL AND PER CAPITA DISPOSABLE PERSONAL INCOME
FOR HAWAII AND THE UNITED STATES: 1969 TO 2018**

[Hawaii and the U.S. disposable personal income, per capita disposable personal income and Hawaii as percent of U.S. average for 1969 to 2016 and population for 2010 to 2016 revised from previous *Data Book*]

Year	Disposable personal income (millions of dollars)		Resident population 1/		Per capita disposable personal income 2/		
					Dollars		Hawaii as percent of U.S. average
	Hawaii	U.S.	Hawaii	U.S.	Hawaii	U.S.	
1969	3,160	687,425	743,000	201,298,000	4,254	3,415	124.6
1970	3,687	753,099	762,920	203,798,722	4,833	3,695	130.8
1971	4,061	823,437	791,580	206,817,509	5,131	3,981	128.9
1972	4,419	893,321	818,104	209,274,882	5,401	4,269	126.5
1973	4,906	1,001,571	841,851	211,349,205	5,828	4,739	123.0
1974	5,599	1,094,397	858,121	213,333,635	6,525	5,130	127.2
1975	6,223	1,215,359	875,052	215,456,585	7,111	5,641	126.1
1976	6,662	1,323,488	892,335	217,553,859	7,465	6,083	122.7
1977	7,179	1,454,268	915,749	219,760,875	7,840	6,618	118.5
1978	7,896	1,626,753	928,816	222,098,244	8,501	7,324	116.1
1979	8,817	1,805,001	950,050	224,568,579	9,281	8,038	115.5
1980	10,092	2,014,396	967,710	227,224,719	10,429	8,865	117.6
1981	10,930	2,248,034	978,195	229,465,744	11,174	9,797	114.1
1982	11,786	2,426,023	993,780	231,664,432	11,860	10,472	113.3
1983	12,924	2,616,717	1,012,717	233,792,014	12,762	11,192	114.0
1984	13,866	2,902,515	1,027,922	235,824,907	13,490	12,308	109.6
1985	14,685	3,093,703	1,039,698	237,923,734	14,124	13,003	108.6
1986	15,553	3,282,912	1,051,762	240,132,831	14,788	13,671	108.2
1987	16,362	3,458,192	1,067,917	242,288,936	15,321	14,273	107.3
1988	17,976	3,763,033	1,079,827	244,499,004	16,647	15,391	108.2
1989	19,877	4,043,179	1,094,588	246,819,222	18,160	16,381	110.9
1990	21,724	4,304,512	1,113,491	249,622,814	19,510	17,244	113.1
1991	22,871	4,479,825	1,136,754	252,980,941	20,119	17,708	113.6
1992	25,106	4,798,176	1,158,613	256,514,224	21,669	18,705	115.8
1993	26,067	5,000,936	1,172,838	259,918,588	22,226	19,240	115.5
1994	26,702	5,247,927	1,187,536	263,125,821	22,485	19,945	112.7
1995	27,482	5,538,573	1,196,854	266,278,393	22,962	20,800	110.4
1996	27,343	5,836,986	1,203,755	269,394,284	22,714	21,667	104.8
1997	28,229	6,156,053	1,211,640	272,646,925	23,298	22,579	103.2
1998	28,839	6,570,164	1,215,233	275,854,104	23,731	23,818	99.6
1999	29,829	6,890,679	1,210,300	279,040,168	24,646	24,694	99.8
2000	31,507	7,415,075	1,213,519	282,162,411	25,963	26,279	98.8

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**Table 13.08-- TOTAL AND PER CAPITA DISPOSABLE PERSONAL INCOME
FOR HAWAII AND THE UNITED STATES: 1969 TO 2018 -- Con.**

Year	Disposable personal income (millions of dollars)		Resident population 1/		Per capita disposable personal income 2/		
					Dollars		Hawaii as percent of U.S. average
	Hawaii	U.S.	Hawaii	U.S.	Hawaii	U.S.	
2001	32,885	7,763,912	1,225,948	284,968,955	26,824	27,245	98.5
2002	34,966	8,104,480	1,239,613	287,625,193	28,207	28,177	100.1
2003	36,851	8,478,455	1,251,154	290,107,933	29,454	29,225	100.8
2004	39,739	8,981,157	1,273,569	292,805,298	31,202	30,673	101.7
2005	42,242	9,382,761	1,292,729	295,516,599	32,677	31,750	102.9
2006	45,200	10,017,121	1,309,731	298,379,912	34,511	33,572	102.8
2007	47,611	10,511,373	1,315,675	301,231,207	36,187	34,895	103.7
2008	50,242	10,932,716	1,332,213	304,093,966	37,713	35,952	104.9
2009	51,240	10,900,400	1,346,717	306,771,529	38,048	35,533	107.1
2010	52,332	11,305,991	1,363,963	309,326,085	38,367	36,550	105.0
2011	54,480	11,863,823	1,379,252	311,580,009	39,500	38,076	103.7
2012	56,761	12,490,913	1,394,905	313,874,218	40,691	39,796	102.2
2013	56,988	12,501,275	1,408,453	316,057,727	40,461	39,554	102.3
2014	60,132	13,199,354	1,414,862	318,386,421	42,500	41,457	102.5
2015	62,761	13,778,133	1,422,484	320,742,673	44,120	42,957	102.7
2016	64,755	14,163,254	1,428,105	323,071,342	45,343	43,839	103.4
2017	67,244	14,787,578	1,424,203	325,147,121	47,215	45,480	103.8
2018	69,469	15,524,373	1,420,491	327,167,434	48,905	47,451	103.1

1/ U.S. Census Bureau midyear population estimate. 2010-2018 use state population estimates available as of December 2018.

2/ Per capita personal income is total personal income divided by total midyear population.

Source: U.S. Bureau of Economic Analysis, State Disposable Personal Income Summary SA51 (March 26, 2019) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed April 4, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.09-- PERSONAL INCOME BY MAJOR SOURCE, BY SIC INDUSTRY: 1950 TO 2001

[In thousands of dollars. The estimates of earnings for 1950 to 1957 are based on the 1967 Standard Industrial Classification (SIC) Code, for 1958 to 1974 on the 1967 SIC Code, for 1975 to 1987 on the 1972 SIC and the 1988-2001 on the 1987 SIC. BEA revised the state personal income series from 1929 to 2018 but estimates prior to 1950 are not available for Hawaii]

Item	1950	1960	1970	1980	1990	2000	2001
Personal income	788,393	1,615,288	4,224,922	11,483,936	24,979,076	35,852,371	37,354,451
Earnings by place of work	675,331	1,359,721	3,470,686	8,998,412	19,786,140	26,592,658	28,063,097
Wages & salaries	509,518	1,076,199	2,778,630	6,683,532	14,404,760	19,173,030	19,831,092
Supplements to wages and salaries 1/	79,414	143,506	447,703	1,454,017	3,469,940	4,474,279	4,803,051
Employer cont. for emp. pension & ins. funds	66,411	114,976	327,767	1,015,495	2,335,897	3,043,854	3,296,890
Employer cont. for gov't social ins.	13,003	28,530	119,936	438,522	1,134,043	1,430,425	1,506,161
Proprietors' income 2/	86,399	140,016	244,353	860,863	1,911,440	2,945,349	3,428,954
Farm proprietors' income	13,434	19,318	33,623	225,717	63,500	40,387	39,138
Nonfarm proprietors' income	72,965	120,698	210,730	635,146	1,847,940	2,904,962	3,389,816
Dividends, interest, and rent 3/	100,195	259,837	758,867	2,297,865	5,273,158	8,018,448	7,888,794
Personal current transfer receipts 4/	30,677	48,063	206,557	964,953	2,097,788	4,130,169	4,450,371
Less: Contrib. for gov't social ins. 5/	17,810	52,333	211,188	777,294	2,178,010	2,888,904	3,047,811
Employee & self-emp. cont. for gov't soc. ins.	4,807	23,803	91,252	338,772	1,043,967	1,458,479	1,541,650
Employer cont. for gov't social ins.	13,003	28,530	119,936	438,522	1,134,043	1,430,425	1,506,161
Earnings by industry	675,331	1,359,721	3,470,686	8,998,412	19,786,140	26,592,658	28,063,097
Farm earnings	77,042	81,585	133,088	374,157	260,483	240,333	236,703
Nonfarm earnings	598,289	1,278,136	3,337,598	8,624,255	19,525,657	26,352,325	27,826,394
Private nonfarm earnings	337,762	754,451	1,983,553	5,641,909	13,996,258	18,989,298	20,082,958
Agri. services, forestry, & fishing	3,493	4,154	11,386	43,469	120,811	143,871	154,316
Mining	817	519	1,528	22,604	7,337	25,358	26,447
Construction	33,651	119,957	346,655	662,458	1,812,688	1,634,386	1,741,050
Manufacturing	63,671	122,418	212,848	492,306	797,857	797,087	849,485
Transportation & public utilities	46,345	88,480	256,872	751,663	1,551,188	2,066,438	2,163,100

Continued on next page.

Table 13.09-- PERSONAL INCOME BY MAJOR SOURCE, BY SIC INDUSTRY: 1950 TO 2001 -- Con.

Item	1950	1960	1970	1980	1990	2000	2001
Wholesale and retail trade	97,971	195,174	468,221	1,295,869	3,237,254	4,063,892	4,163,724
Wholesale trade	(NA)	66,489	150,766	345,998	803,154	995,476	1,033,989
Retail trade	(NA)	128,685	317,455	949,871	2,434,100	3,068,416	3,129,735
Finance, insurance, & real estate	21,258	63,146	188,261	632,916	1,330,201	2,250,639	2,277,448
Services	70,556	160,603	497,782	1,740,624	5,138,922	8,007,627	8,707,388
Hotels & other lodging places	(NA)	18,318	103,785	393,054	921,867	1,528,965	(NA)
Business services	(NA)	14,460	30,045	71,714	176,443	261,969	(NA)
Health services	(NA)	12,328	12,905	21,838	25,681	44,145	(NA)
Other	(NA)	13,904	56,260	236,801	786,308	1,203,630	(NA)
Gov't & government enterprises	260,527	523,685	1,354,045	2,982,346	5,529,399	7,363,027	7,743,436
Federal	203,575	413,162	984,862	1,999,740	3,308,924	3,933,024	4,148,216
Federal, civilian	96,631	184,208	401,719	834,428	1,339,826	1,851,830	1,881,689
Military	106,944	228,954	583,143	1,165,312	1,969,098	2,081,194	2,266,527
State & local government	56,952	110,523	369,183	982,606	2,220,475	3,430,003	3,595,220
State	(NA)	(NA)	(NA)	744,459	1,675,367	2,606,722	2,727,146
Local	(NA)	(NA)	(NA)	238,147	545,108	823,281	868,074

NA Not available.

1/ This component of personal income consists of employer contributions for employee pension and insurance funds and of employer contributions for government social insurance.

2/ Proprietors' income includes the inventory valuation adjustment and the capital consumption adjustment.

3/ Rental income of persons includes the capital consumption adjustment.

4/ 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.

5/ 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 25, 2018 and March 6, 2019)

<<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed June 18, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.10-- PERSONAL INCOME BY MAJOR SOURCE, BY NAICS
INDUSTRY: 2015 TO 2018**

[In thousands of dollars. The estimates for 2016 are based on the 2012 North American Industry Classification System (NAICS) Code, and for 2017 forward on the 2017 NAICS. BEA revised estimates for this series from 1998 to 2017 on March 6 and March 26, 2019]

Item	2015	2016	2017	2018
Personal income	70,323,405	72,650,058	75,355,132	77,508,640
Earnings by place of work	50,059,994	51,442,271	53,287,231	54,604,377
Less: Contrib. for gov't social ins. 1/	5,699,828	5,833,589	6,060,854	6,237,800
Employee and self-employed	2,894,793	3,020,188	3,140,128	3,239,383
Employer	2,805,035	2,813,401	2,920,726	2,998,417
Net earnings by place of residence	44,360,166	45,608,682	47,226,377	48,366,577
Dividends, interest, and rent 2/	15,061,750	15,734,571	16,379,408	17,029,201
Personal current transfer receipts	10,901,489	11,306,805	11,749,347	12,112,862
Wages and salaries	34,567,205	35,809,077	37,084,626	37,992,605
Supp. to wages & sal.- emp'er contrib.	9,990,454	10,134,439	10,443,858	10,605,910
For employee pension & ins. funds 3/	7,185,419	7,321,038	7,523,132	7,607,493
For government social insurance	2,805,035	2,813,401	2,920,726	2,998,417
Proprietors' income 4/	5,502,335	5,498,755	5,758,747	6,005,862
Farm proprietors' income	52,207	-24,102	-8,881	-13,741
Nonfarm proprietors' income	5,450,128	5,522,857	5,767,628	6,019,603
Farm earnings	325,283	264,946	284,664	290,110
Nonfarm earnings	49,734,711	51,177,325	53,002,567	54,314,267
Private earnings	34,620,121	35,925,971	37,588,364	38,772,462
Forestry, fishing, rel. activ., & other	81,186	87,208	94,676	92,584
Mining, quarrying, oil & gas extraction	37,452	30,334	34,294	35,838
Utilities	561,015	558,206	562,028	590,734
Construction	3,953,813	4,350,763	4,328,867	4,412,114
Manufacturing	891,624	934,485	948,974	966,884
Wholesale trade	1,330,243	1,329,970	1,410,577	1,388,894
Retail trade	3,050,845	3,050,362	3,199,629	3,323,231
Transportation and warehousing	2,042,880	2,156,236	2,369,241	2,413,621
Information	752,838	742,430	792,999	859,224
Finance and insurance	1,435,516	1,509,030	1,610,648	1,634,761
Real estate and rental and leasing	1,617,890	1,708,228	1,709,888	1,739,459
Prof., scientific, & tech. services	2,854,035	2,858,457	3,008,539	3,128,847
Mgt of companies & enterprises	893,327	940,058	976,730	1,015,917
Admin. & supp. & waste mgt. & remed.	2,367,260	2,423,689	2,523,307	2,628,130
Educational services	773,886	791,545	792,647	801,089
Health care and social assistance	4,914,867	5,099,319	5,397,027	5,650,286
Arts, entertainment, and recreation	630,204	631,126	692,195	697,194
Accommodation & food services	4,440,542	4,664,144	4,963,079	5,129,037
Other services (exc. gov't & gov't ent.)	1,990,698	2,060,381	2,173,019	2,264,618

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**Table 13.10-- PERSONAL INCOME BY MAJOR SOURCE, BY NAICS
INDUSTRY: 2015 TO 2018 -- Con.**

Item	2015	2016	2017	2018
Gov't and gov't enterprises	15,114,590	15,251,354	15,414,203	15,541,805
Federal	8,549,139	8,487,139	8,473,167	8,652,792
Civilian	3,542,712	3,665,981	3,766,237	3,842,028
Military	5,006,427	4,821,158	4,706,930	4,810,764
State and local	6,565,451	6,764,215	6,941,036	6,889,013
State	4,941,418	5,061,138	5,176,609	(NA)
Local	1,624,033	1,703,077	1,764,427	(NA)

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, "SAINC5N Personal Income by Major Component and Earnings by NAICS Industry" (March 26, 2019)

<<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed March 26, 2019; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, BY STATE:
2008 TO 2017**

[The base year has changed from 2009 to 2012 and the source revised 2010 to 2016 from previous *Data Book*]

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Real personal income (millions of chained 2012 dollars) 1/										
Alabama	191,330	189,188	192,908	195,387	196,145	196,130	201,577	209,653	212,101	217,164
Alaska	32,581	32,661	34,914	36,525	36,905	36,272	37,488	38,934	37,959	38,328
Arizona	236,237	225,095	228,416	235,640	243,829	248,576	260,858	273,919	281,579	291,271
Arkansas	112,425	111,027	111,238	115,792	121,616	119,835	126,198	129,311	131,376	134,947
California	1,513,087	1,467,961	1,500,555	1,566,407	1,644,763	1,648,391	1,731,543	1,856,142	1,899,360	1,948,112
Colorado	220,300	208,920	212,394	224,216	234,442	241,131	258,856	269,981	271,550	280,978
Connecticut	208,829	206,403	213,091	214,645	214,362	208,883	214,987	220,386	221,478	225,839
Delaware	37,617	37,482	37,384	39,923	39,892	40,179	41,163	43,735	44,133	45,159
Dist. of Colum.	32,717	32,788	34,113	36,400	37,127	37,485	38,953	42,378	44,242	44,920
Florida	767,766	727,309	767,313	788,625	800,576	791,847	841,043	897,452	919,677	947,647
Georgia	379,884	374,917	380,527	399,488	399,739	399,696	422,063	442,732	457,950	470,992
Hawaii	50,623	51,006	51,015	52,357	53,105	52,947	55,039	57,328	58,990	60,191
Idaho	56,025	54,445	56,156	58,063	60,197	61,753	64,095	68,331	70,487	73,083
Illinois	586,849	555,171	560,968	573,884	590,455	602,507	625,893	652,043	656,964	666,633
Indiana	263,660	256,321	263,009	272,336	280,914	280,960	288,973	301,624	309,926	317,079
Iowa	139,839	135,070	136,538	142,519	146,619	146,654	149,985	155,755	155,662	156,054
Kansas	136,357	131,417	131,237	137,794	143,516	143,591	145,122	147,890	147,567	148,730
Kentucky	168,255	166,868	170,222	174,237	176,492	174,831	182,459	188,863	191,624	194,624
Louisiana	197,261	190,630	195,738	197,714	203,870	204,240	211,745	214,735	212,481	214,793
Maine	53,426	53,347	54,354	54,827	54,340	53,521	55,292	56,865	58,059	59,663
Maryland	270,485	266,720	272,311	281,014	285,762	281,761	287,093	302,507	311,398	318,543
Massachusetts	329,711	327,987	337,936	346,511	359,086	357,106	367,729	389,810	396,237	406,854
Michigan	395,104	376,460	385,620	399,688	408,708	408,323	424,283	450,475	460,173	468,424
Minnesota	246,372	235,413	243,199	253,722	263,088	261,823	271,885	284,643	288,211	294,277
Mississippi	111,010	109,992	111,094	112,759	115,064	114,655	116,985	118,275	118,997	120,642
Missouri	266,013	261,426	261,671	263,313	270,211	266,740	272,787	282,217	285,597	290,826
Montana	38,457	38,061	39,647	41,432	43,314	42,496	43,927	45,834	46,795	47,691

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**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, BY STATE:
2008 TO 2017 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Nebraska	85,975	84,660	86,775	94,484	95,192	94,479	98,803	102,882	101,329	102,975
Nevada	108,585	103,282	106,129	107,663	111,040	110,104	117,260	126,798	129,647	134,188
New Hampshire	59,990	59,724	61,294	63,474	65,040	63,867	64,929	67,478	69,181	71,636
New Jersey	427,545	413,363	415,233	422,486	430,531	432,548	444,830	464,837	472,077	487,250
New Mexico	75,624	75,265	76,660	78,077	78,614	76,146	79,917	82,789	83,744	84,270
New York	857,815	845,340	867,229	894,798	925,394	927,901	947,659	984,038	1,001,620	1,046,571
North Carolina	405,383	391,048	390,823	395,703	414,160	403,836	423,479	447,541	458,831	470,697
North Dakota	32,150	31,739	34,566	37,490	42,806	41,884	43,974	42,708	42,018	41,452
Ohio	500,491	490,592	493,595	514,574	526,756	526,232	540,694	561,788	567,206	579,945
Oklahoma	169,454	156,509	160,468	168,557	176,306	182,197	191,876	186,794	178,440	185,448
Oregon	151,168	145,302	147,058	151,438	156,421	156,566	165,523	178,575	183,629	189,689
Pennsylvania	568,405	555,626	567,421	583,996	597,576	593,585	613,092	635,839	642,329	659,486
Rhode Island	46,839	45,774	47,700	48,249	49,416	48,822	49,660	51,559	51,710	53,656
South Carolina	174,354	169,726	174,232	179,061	184,782	185,591	195,918	207,472	212,812	218,819
South Dakota	39,997	39,362	40,369	42,895	42,297	42,696	44,064	45,896	45,707	45,534
Tennessee	257,366	256,070	264,411	273,584	280,788	279,786	290,722	305,049	311,389	319,790
Texas	1,055,664	1,007,107	1,052,011	1,123,260	1,181,027	1,190,910	1,261,953	1,288,161	1,279,939	1,307,415
Utah	99,569	94,747	96,572	101,189	106,468	107,916	113,895	122,826	127,301	131,503
Vermont	26,898	26,475	27,142	27,955	28,116	28,114	28,313	29,193	29,792	30,054
Virginia	369,114	359,477	370,173	383,028	393,704	386,743	398,428	417,613	422,391	432,570
Washington	301,480	286,802	291,543	301,824	318,483	318,774	336,795	355,350	367,907	381,379
West Virginia	70,543	70,824	71,152	73,204	73,788	72,308	73,617	74,211	74,286	75,986
Wisconsin	251,401	247,817	250,402	256,912	263,162	262,020	268,715	280,407	284,766	290,420
Wyoming	29,163	27,014	28,361	30,032	32,382	31,825	33,215	33,785	32,299	33,022

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**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, BY STATE:
2008 TO 2017 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Real per capita personal income (chained (2012) dollars) 1/										
Alabama	40,551	39,763	40,311	40,716	40,731	40,603	41,627	43,199	43,600	44,545
Alaska	47,393	46,732	48,906	50,586	50,527	49,213	50,913	52,788	51,191	51,809
Arizona	37,615	35,486	35,647	36,401	37,188	37,464	38,738	40,084	40,542	41,322
Arkansas	39,110	38,327	38,069	39,380	41,196	40,491	42,524	43,416	43,932	44,937
California	41,336	39,716	40,207	41,613	43,328	43,060	44,829	47,651	48,442	49,445
Colorado	45,054	42,018	42,072	43,777	45,139	45,751	48,373	49,519	49,008	50,033
Connecticut	58,898	57,949	59,537	59,823	59,638	58,105	59,805	61,432	61,888	63,191
Delaware	42,559	42,033	41,557	44,001	43,589	43,501	44,139	46,456	46,494	47,184
Dist. of Colum.	56,386	55,364	56,378	58,747	58,493	57,632	58,795	62,758	64,439	64,569
Florida	41,440	38,992	40,715	41,304	41,424	40,476	42,348	44,375	44,580	45,176
Georgia	39,967	38,969	39,182	40,758	40,372	40,077	41,917	43,486	44,441	45,231
Hawaii	37,999	37,874	37,402	37,960	38,071	37,592	38,900	40,301	41,307	42,263
Idaho	36,514	35,026	35,751	36,660	37,731	38,319	39,286	41,374	41,884	42,517
Illinois	46,038	43,384	43,687	44,600	45,828	46,712	48,560	50,686	51,218	52,137
Indiana	41,038	39,682	40,523	41,795	42,969	42,775	43,827	45,643	46,722	47,609
Iowa	46,354	44,535	44,755	46,483	47,664	47,414	48,234	49,898	49,704	49,641
Kansas	48,559	46,393	45,916	48,028	49,739	49,625	50,027	50,830	50,688	51,098
Kentucky	39,221	38,653	39,148	39,876	40,236	39,691	41,332	42,671	43,176	43,698
Louisiana	44,472	42,441	43,071	43,214	44,312	44,164	45,593	46,033	45,419	45,986
Maine	40,154	40,123	40,941	41,281	40,928	40,296	41,549	42,804	43,608	44,689
Maryland	47,579	46,545	47,042	48,127	48,541	47,565	48,185	50,530	51,859	52,871
Massachusetts	50,968	50,323	51,464	52,397	53,891	53,189	54,368	57,360	58,048	59,280
Michigan	39,721	38,020	39,040	40,448	41,296	41,189	42,725	45,353	46,240	46,953
Minnesota	46,955	44,576	45,793	47,463	48,932	48,363	49,873	51,918	52,180	52,850
Mississippi	37,658	37,175	37,399	37,858	38,563	38,361	39,117	39,574	39,821	40,353
Missouri	44,905	43,855	43,641	43,815	44,855	44,157	45,042	46,480	46,918	47,609
Montana	39,385	38,680	40,018	41,547	43,152	41,928	42,986	44,478	44,958	45,287

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**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, BY STATE:
2008 TO 2017 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Nebraska	47,860	46,704	47,430	51,335	51,363	50,648	52,568	54,391	53,165	53,700
Nevada	40,919	38,471	39,271	39,687	40,458	39,649	41,596	44,201	44,403	45,145
New Hampshire	45,589	45,379	46,549	48,093	49,125	48,150	48,701	50,496	51,537	53,073
New Jersey	49,081	47,211	47,188	47,859	48,672	48,829	50,168	52,400	53,195	54,818
New Mexico	37,611	36,953	37,131	37,530	37,658	36,385	38,232	39,608	40,016	40,255
New York	44,649	43,784	44,702	45,891	47,275	47,274	48,211	50,049	50,995	53,422
North Carolina	43,545	41,383	40,820	40,977	42,482	41,025	42,629	44,607	45,175	45,829
North Dakota	48,893	47,730	51,230	54,719	61,054	58,012	59,635	56,640	55,701	54,890
Ohio	43,463	42,553	42,775	44,577	45,613	45,457	46,600	48,356	48,750	49,720
Oklahoma	46,186	42,100	42,682	44,500	46,170	47,285	49,473	47,775	45,442	47,156
Oregon	40,111	38,151	38,321	39,114	40,117	39,911	41,755	44,456	44,882	45,746
Pennsylvania	45,068	43,865	44,640	45,823	46,807	46,459	47,939	49,730	50,247	51,561
Rhode Island	44,397	43,443	45,259	45,797	46,857	46,272	47,026	48,817	48,918	50,787
South Carolina	38,497	36,978	37,585	38,331	39,173	38,956	40,615	42,408	42,921	43,579
South Dakota	50,050	48,772	49,461	52,089	50,746	50,691	51,895	53,746	52,969	52,141
Tennessee	41,196	40,607	41,605	42,765	43,524	43,088	44,447	46,284	46,861	47,667
Texas	43,427	40,606	41,676	43,798	45,268	44,958	46,779	46,865	45,814	46,161
Utah	37,389	34,790	34,797	35,956	37,312	37,239	38,774	41,182	41,839	42,378
Vermont	43,095	42,372	43,367	44,586	44,908	44,896	45,285	46,695	47,771	48,123
Virginia	47,120	45,354	46,135	47,285	48,099	46,861	47,934	49,936	50,219	51,100
Washington	45,942	43,015	43,237	44,245	46,205	45,782	47,756	49,605	50,435	51,361
West Virginia	38,332	38,329	38,373	39,440	39,740	39,004	39,804	40,288	40,573	41,818
Wisconsin	44,567	43,712	44,004	45,035	46,009	45,672	46,717	48,670	49,328	50,141
Wyoming	53,408	48,251	50,242	52,946	56,192	54,671	57,017	57,687	55,280	57,039

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 2012 as base year) estimate of real personal income. 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 (May 16, 2019) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed May 16, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism. See also "Real Personal Income for States and Metropolitan Areas, 2017" <<https://www.bea.gov/newsreleases/regional/rpp/2018/pdf/rpp0518.pdf>>.

**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1969 TO 2017**

Year	State total	City & County of Honolulu	Hawaii	Kauai	Maui and Kalawao
Total (\$1,000)					
1969	3,643,173	3,132,729	227,320	111,803	171,321
1970	4,224,922	3,634,964	269,351	121,099	199,508
1971	4,584,077	3,926,337	302,967	134,673	220,100
1972	5,047,834	4,327,655	334,447	143,594	242,138
1973	5,592,618	4,791,314	371,781	160,982	268,541
1974	6,360,651	5,274,604	509,292	219,312	357,443
1975	6,919,030	5,821,193	507,077	211,201	379,559
1976	7,465,926	6,281,530	533,210	228,065	423,121
1977	8,084,039	6,771,327	586,924	250,537	475,251
1978	8,953,923	7,496,119	652,918	275,338	529,548
1979	10,042,788	8,372,875	743,795	314,039	612,079
1980	11,483,936	9,422,314	935,944	392,170	733,508
1981	12,434,061	10,313,480	947,621	403,261	769,699
1982	13,166,230	10,892,215	998,720	437,234	838,061
1983	14,443,315	11,852,319	1,121,382	490,006	979,608
1984	15,472,574	12,755,379	1,171,178	507,186	1,038,831
1985	16,452,513	13,549,475	1,229,162	546,508	1,127,368
1986	17,458,138	14,298,161	1,339,117	592,559	1,228,301
1987	18,618,700	15,228,178	1,427,334	633,315	1,329,873
1988	20,477,516	16,651,964	1,570,925	754,188	1,500,439
1989	22,873,584	18,429,324	1,817,564	878,673	1,748,023
1990	24,979,076	20,038,505	2,026,536	960,349	1,953,686
1991	26,432,925	21,105,032	2,201,619	1,045,652	2,080,622
1992	28,434,498	22,665,937	2,334,976	1,130,647	2,302,938
1993	29,476,498	23,390,411	2,462,395	1,182,522	2,441,170
1994	30,163,706	23,857,762	2,557,164	1,209,634	2,539,146
1995	30,864,018	24,342,583	2,636,585	1,264,820	2,620,030
1996	30,894,933	24,282,200	2,698,938	1,261,158	2,652,637
1997	31,907,547	25,101,536	2,777,341	1,284,089	2,744,581
1998	32,703,368	25,542,879	2,953,853	1,319,562	2,887,074
1999	33,864,334	26,270,596	3,103,270	1,375,990	3,114,478
2000	35,852,371	27,698,372	3,345,644	1,477,315	3,331,040
2001	37,354,451	28,738,100	3,527,356	1,542,652	3,546,343
2002	39,012,166	29,937,496	3,732,289	1,599,594	3,742,787
2003	40,852,209	31,215,818	3,949,433	1,705,040	3,981,918
2004	44,054,767	33,424,009	4,388,806	1,891,829	4,350,123
2005	47,359,463	35,767,141	4,855,304	2,027,093	4,709,925
2006	50,773,533	38,301,624	5,236,782	2,163,310	5,071,817
2007	53,520,243	40,245,095	5,584,327	2,307,250	5,383,571
2008	56,166,169	42,190,859	5,920,730	2,417,121	5,637,459
2009	56,013,398	42,616,645	5,710,062	2,335,793	5,350,898
2010	57,101,367	43,342,396	5,859,464	2,371,644	5,527,863
2011	59,922,334	45,446,147	6,126,912	2,486,235	5,863,040
2012	62,434,642	47,163,235	6,367,044	2,598,375	6,305,988
2013	63,355,087	47,883,947	6,450,962	2,702,376	6,317,802
2014	66,899,449	50,398,758	6,875,443	2,891,803	6,733,445
2015	70,323,405	52,693,399	7,402,010	3,063,820	7,164,176
2016	72,650,058	54,329,238	7,677,840	3,186,559	7,456,421
2017	75,355,132	56,083,760	8,053,011	3,362,332	7,856,029

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**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1969 TO 2017-- 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	1,363,817	956,193	185,347	67,199	155,078
2011	1,378,323	966,514	187,049	67,832	156,928
2012	1,392,772	976,299	189,118	68,573	158,782
2013	1,408,038	985,734	191,583	69,626	161,095
2014	1,417,710	989,438	194,240	70,523	163,509
2015	1,426,320	993,716	196,740	71,387	164,477
2016	1,428,683	992,761	198,681	71,769	165,472
2017	1,427,538	988,650	200,381	72,159	166,348

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**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1969 TO 2017-- Con.**

Year	State total	City & County of Honolulu	Hawaii	Kauai	Maui and Kalawao
Per capita (dollars) 3/					
1969	4,903	5,191	3,602	3,721	3,691
1970	5,538	5,828	4,238	4,088	4,338
1971	5,791	6,202	4,122	4,051	4,250
1972	6,170	6,509	4,783	4,506	4,703
1973	6,643	7,007	5,103	4,949	5,096
1974	7,412	7,556	6,892	6,741	6,661
1975	7,907	8,224	6,567	6,341	6,698
1976	8,367	8,762	6,625	6,559	7,032
1977	8,828	9,213	7,105	7,075	7,572
1978	9,640	10,123	7,622	7,502	8,030
1979	10,571	11,113	8,351	8,261	8,802
1980	11,867	12,336	10,075	9,961	10,241
1981	12,711	13,436	9,859	9,968	10,395
1982	13,249	14,035	10,109	10,459	10,869
1983	14,262	15,020	11,129	11,450	12,236
1984	15,052	15,988	11,313	11,624	12,521
1985	15,824	16,846	11,607	12,321	13,240
1986	16,599	17,642	12,358	13,004	14,056
1987	17,435	18,606	12,774	13,417	14,690
1988	18,964	20,207	13,848	15,535	16,002
1989	20,897	22,168	15,590	17,627	18,055
1990	22,433	23,897	16,669	18,584	19,209
1991	23,253	24,815	17,299	19,589	19,703
1992	24,542	26,235	17,739	20,769	21,209
1993	25,133	26,875	18,228	21,322	21,807
1994	25,400	27,155	18,569	21,418	22,127
1995	25,788	27,618	18,767	22,163	22,223
1996	25,665	27,486	19,015	21,862	21,979
1997	26,334	28,309	19,228	22,250	22,355
1998	26,911	28,800	20,255	22,813	23,162
1999	27,980	29,890	21,115	23,616	24,687
2000	29,544	31,596	22,417	25,224	25,806
2001	30,470	32,555	23,254	26,113	26,779
2002	31,471	33,620	24,145	26,668	27,810
2003	32,652	34,905	24,927	28,041	28,939
2004	34,592	36,811	26,950	30,467	30,934
2005	36,635	38,954	28,860	32,246	32,834
2006	38,766	41,320	30,177	34,087	34,792
2007	40,679	43,492	31,420	35,777	36,347
2008	42,160	45,188	32,620	36,845	37,230
2009	41,593	45,184	31,096	35,115	34,884
2010	41,869	45,328	31,613	35,293	35,646
2011	43,475	47,021	32,756	36,653	37,361
2012	44,828	48,308	33,667	37,892	39,715
2013	44,995	48,577	33,672	38,813	39,218
2014	47,188	50,937	35,397	41,005	41,181
2015	49,304	53,027	37,623	42,918	43,557
2016	50,851	54,725	38,644	44,400	45,062
2017	52,787	56,728	40,188	46,596	47,226

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**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1969 TO 2017-- Con.**

1/ BEA completed the 'Comprehensive Update of Local Area Personal Income' on March 6, 2019. The 1969 to 2016 county personal income and per capita personal income estimates were revised. The population estimates from 2010 to 2016 were also revised from previous *Data Book*.

2/ Census Bureau midyear population estimates. Estimates for 2010-2017 reflect county population estimates available as of March 2018.

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, "CAINC1 Personal Income Summary: Personal Income, Population, Per Capita Personal Income"

<<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1&isuri=1&acrdn=7#reqid=70&step=1&isuri=1>>
accessed April 4, 2019. See also "Local Area Personal Income, New Estimates for 2017; Comprehensive Updates for 2001-2016" (November 15, 2018) <<https://www.bea.gov/news/2018/local-area-personal-income>>
accessed April 4, 2019.

Table 13.13-- PERFORMANCE RANKINGS FOR METROPOLITAN STATISTICAL AREAS, URBAN HONOLULU AND PROVO-OREM, UTAH: 2017 AND 2018

[See also 'Methodology' <<http://www.best-cities.org/2018-best-performing-cities-our-process.html>> accessed June 1, 2019]

Category and location	2017		2018	
	Period	Rank 1/	Period	Rank 1/
Urban Honolulu				
Overall	2017	152	2018	141
Job growth (5-year)	2011 to 2016	109	2012 to 2017	139
Job growth (1-year)	2015 to 2016	135	2016 to 2017	145
Wage growth (5-year)	2010 to 2015	111	2011 to 2016	102
Wage growth (1-year)	2014 to 2015	104	2015 to 2016	98
Short-term job growth	August: 2016 to 2017	172	August: 2017 to 2018	73
High tech GDP growth (5-year)	2011 to 2016	129	2012 to 2017	130
High tech GDP growth (1-year)	2015 to 2016	130	2016 to 2017	172
High-tech GDP concentration 2/	2016	167	2017	172
Number of high-tech GDP industries with location quotients over 1 2/	2016	178	2017	176
Provo-Orem, Utah				
Overall	2017	1	2018	1
Job growth (5-year)	2011 to 2016	1	2012 to 2017	1
Job growth (1-year)	2015 to 2016	1	2016 to 2017	3
Wage growth (5-year)	2010 to 2015	4	2011 to 2016	3
Wage growth (1-year)	2014 to 2015	3	2015 to 2016	2
Short-term job growth	August: 2016 to 2017	7	August: 2017 to 2018	5
High tech GDP growth (5-year)	2011 to 2016	3	2012 to 2017	3
High tech GDP growth (1-year)	2015 to 2016	12	2016 to 2017	80
High-tech GDP concentration 2/	2016	16	2017	13
Number of high-tech GDP industries with location quotients over 1 2/	2016	20	2017	22

1/ Rank of 1 indicates most favorable.

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: 2017, Where America's Jobs Are Created and Sustained* (January 2018) '<<http://www.best-cities.org/>>' accessed January 17, 2017; and Ibid. 2018 (January 2019) accessed January 25, 2019.

Table 13.14-- THE NEW ECONOMY INDEX, RANK AND SCORE FOR THE 50 STATES: 2002 TO 2017

[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, and changes in ranks cannot be positively attributed to changes in the economic conditions or structure of a state economy]

State	Rank 1/							Score						
	2002	2007	2008	2010	2012	2014	2017	2002	2007	2008	2010	2012	2014	2017
Alabama	47	46	47	47	46	41	44	45.3	45.1	37.4	43.5	45.7	50.4	48.2
Alaska	31	25	32	31	28	32	42	56.3	62.4	50.8	52.1	58.7	56.8	49.4
Arizona	16	22	20	20	16	17	21	67.2	63.2	60.0	61.0	66.7	67.1	66.5
Arkansas	48	47	48	48	48	47	49	41.7	44.7	35.3	40.0	41.7	44.2	42.8
California	3	5	8	7	4	3	2	85.5	82.9	75.0	74.3	79.1	83.7	84.7
Colorado	4	9	10	9	7	6	7	84.3	78.3	70.4	72.8	76.8	81.4	78.3
Connecticut	7	6	6	5	9	8	10	74.2	81.8	76.1	76.6	76.0	77.6	76.4
Delaware	9	7	4	6	2	2	5	70.5	79.6	79.3	75.0	82.1	85.1	80.4
Florida	18	23	23	21	21	25	24	62.7	63.2	58.3	60.6	61.4	61.6	62.7
Georgia	22	18	21	19	18	21	18	60.1	64.8	60.0	62.6	64.8	64.3	66.8
Hawaii	35	41	35	40	36	43	40	53.7	50.9	47.5	48.7	53.5	48.4	50.1
Idaho	20	24	26	27	24	24	29	61.6	62.8	55.6	54.2	60.5	62.3	58.5
Illinois	17	16	16	15	20	16	16	64.7	68.4	62.6	65.1	64.3	67.1	69.2
Indiana	36	31	36	35	42	38	33	52.8	55.8	47.4	49.7	49.4	54.6	55.9
Iowa	38	38	42	38	38	37	37	52.2	51.8	44.5	49.5	52.9	54.8	54.8
Kansas	29	34	31	26	29	31	30	56.7	53.6	52.9	54.5	57.7	57.3	57.5
Kentucky	42	45	45	44	45	44	39	48.6	45.3	41.3	46.0	45.7	48.4	50.5
Louisiana	45	44	41	43	44	46	46	45.9	45.9	44.7	46.0	46.1	47.0	47.6
Maine	25	32	28	28	27	28	36	58.3	55.6	53.9	54.0	58.9	58.3	55.2
Maryland	5	3	3	3	5	5	6	75.6	85.0	80.0	76.9	79.1	81.5	78.9
Massachusetts	1	1	1	1	1	1	1	90.0	96.1	97.0	92.6	92.4	94.7	96.6
Michigan	23	19	17	17	19	18	15	60.0	64.7	62.2	63.4	64.5	67.0	70.6
Minnesota	13	11	14	13	13	13	12	68.7	75.3	66.0	67.5	69.7	71.7	72.6
Mississippi	49	49	50	50	50	50	50	40.9	36.5	29.9	35.3	37.4	38.0	37.9
Missouri	24	35	37	33	33	33	28	58.9	53.5	46.9	50.8	54.9	56.8	59.0
Montana	37	42	40	37	37	39	43	52.8	49.5	46.0	49.7	53.1	54.4	49.1

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Table 13.14-- THE NEW ECONOMY INDEX, RANK AND SCORE FOR THE 50 STATES: 2002 TO 2017 -- Con.

State	Rank 1/							Score						
	2002	2007	2008	2010	2012	2014	2017	2002	2007	2008	2010	2012	2014	2017
Nebraska	33	28	27	34	35	35	27	54.4	59.0	55.4	50.5	53.7	56.0	59.9
Nevada	32	27	25	30	26	27	31	55.7	59.2	56.7	52.5	59.0	58.7	57.4
New Hampshire	15	13	13	11	12	11	13	67.6	71.1	67.7	70.6	71.9	74.6	71.4
New Jersey	6	2	5	4	10	10	8	75.1	86.4	77.0	76.9	75.6	75.4	77.6
New Mexico	27	33	29	32	30	26	34	57.2	53.7	53.2	51.7	56.8	58.7	55.8
New York	10	10	9	10	11	12	11	69.3	77.4	74.4	71.3	72.5	73.0	74.5
North Carolina	26	26	24	24	25	23	22	57.5	60.2	57.4	57.1	60.2	63.1	65.6
North Dakota	44	37	39	36	34	36	38	46.1	51.9	46.5	49.7	54.1	55.8	51.8
Ohio	30	29	30	25	32	29	25	56.5	57.8	53.0	55.2	55.5	58.3	61.3
Oklahoma	34	40	43	42	47	48	45	54.1	51.4	43.2	47.2	45.5	44.1	47.9
Oregon	11	17	15	14	14	15	13	68.9	66.8	63.8	67.0	69.3	69.3	71.4
Pennsylvania	19	21	22	22	22	22	23	62.3	63.6	59.2	60.2	60.6	63.2	64.4
Rhode Island	21	15	11	16	23	19	20	61.5	68.6	67.7	63.6	60.5	66.8	66.7
South Carolina	41	39	34	39	40	34	35	51.1	51.5	48.7	49.3	49.8	56.6	55.3
South Dakota	43	48	44	45	43	42	41	47.4	43.8	42.9	45.1	48.0	49.0	49.5
Tennessee	39	36	38	41	39	40	32	52.2	53.3	46.7	48.5	52.2	51.3	56.9
Texas	14	14	18	18	17	20	17	67.6	68.6	62.1	63.0	65.7	65.2	67.5
Utah	12	12	12	12	8	9	9	68.7	73.2	67.7	69.1	76.4	77.0	77.3
Vermont	28	20	19	23	15	14	18	56.9	64.5	60.5	59.5	67.2	69.5	66.8
Virginia	8	8	7	8	6	7	4	72.1	79.5	75.6	73.7	77.9	80.9	81.7
Washington	2	4	2	2	3	4	3	86.2	84.6	81.9	77.5	79.5	82.5	84.5
West Virginia	50	50	49	49	49	49	48	40.7	35.6	31.9	38.1	37.9	39.8	44.1
Wisconsin	40	30	33	29	31	30	26	52.0	55.9	50.6	53.1	55.8	57.8	60.4
Wyoming	46	43	46	46	41	45	47	45.7	47.9	40.1	45.0	49.5	48.1	47.1

1/ Rank of 1 indicates most favorable.

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>; Ibid. 2008 <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; and Ibid. 2017 <<https://itif.org/publications/2017/11/06/2017-state-new-economy-index>> accessed January 17, 2018.

Table 13.15-- THE NEW ECONOMY INDEX, RANK: 2010 TO 2017

[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 25-27 indicators to measure the extent to which they do. Rank of 1 indicates most favorable. Changes in methodology may limit strict comparability over the period and changes in ranks cannot be positively attributed to changes in the economic conditions or the structure of a state economy]

Category	2010	2012	2014	2017
Overall	40	36	43	40
Knowledge jobs	(NA)	34	(NA)	(NA)
Information technology jobs	46	44	44	47
Managerial, professional, and technical jobs	41	33	31	41
Workforce education	13	14	15	16
Immigration of knowledge workers	7	28	23	25
Internal migration of U.S. knowledge workers	4	5	10	17
Manufacturing value added	46	46	50	50
High-wage traded services	46	39	42	39
Globalization	(NA)	30	(NA)	(NA)
Export focus of manufacturing and services	49	40	50	41
Foreign direct investment	8	19	23	6
High-tech exports	(NA)	(NA)	(NA)	49
Economic dynamism	(NA)	48	(NA)	(NA)
Job churning (Business churning in 2017)	32	33	31	33
Fast-growing firms	44	43	32	44
Initial public offerings	34	32	36	14
Entrepreneurial activity	45	46	26	(NA)
Inventor patents	41	39	40	36
Digital economy	(NA)	32	(NA)	(NA)
Online population	21	34	(NA)	(NA)
E-government	25	25	24	21
Online agriculture	31	26	26	28
Broadband telecommunications	19	26	40	36
Health IT	31	27	49	50
Innovation capacity	(NA)	23	(NA)	(NA)
High-tech jobs	41	40	41	48
Scientists and engineers	45	39	41	46
Patents	42	3	34	15
Industry investment in R&D	44	27	34	25
Non-Industry investment in R&D	17	17	19	14
Movement toward a green economy	24	16	37	3
Venture capital	36	45	47	43

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; Ibid 2014 "Indicator

Scores By Rank" <<http://www2.itif.org/2014-snei-master-tables.pdf>> accessed June 19, 2014; and Ibid. 2017

<<http://www2.itif.org/2017-snei-master-tables.pdf>> accessed January 17, 2018.

**Table 13.16-- ECONOMIC ESTIMATES AND PROJECTIONS FOR THE STATE
AND BY COUNTY: 2016 TO 2045**

[In millions of 2012 dollars. See Section 1 for population and Section 12 for jobs projections from the same source]

Year 1/	Total personal income	Labor income	Dividends, interest and rent	Transfer income	Contrib. for gov't insurance
State total					
2016	67,659	48,186	14,342	10,637	5,506
2020	73,430	51,920	15,690	11,800	5,970
2025	81,430	57,100	17,410	13,540	6,620
2030	89,960	62,340	19,230	15,630	7,240
2035	98,940	67,590	21,100	18,100	7,850
2040	108,450	72,880	23,040	20,980	8,440
2045	118,680	78,260	25,130	24,330	9,040
Hawaii					
2016	7,165	4,222	1,684	1,737	491
2020	7,970	4,640	1,900	1,970	540
2025	9,120	5,200	2,180	2,340	600
2030	10,410	5,810	2,480	2,790	660
2035	11,820	6,450	2,800	3,300	730
2040	13,340	7,140	3,150	3,860	800
2045	15,010	7,890	3,540	4,460	880
Honolulu					
2016	50,620	37,211	10,491	7,182	4,242
2020	54,550	39,850	11,390	7,880	4,570
2025	59,970	43,550	12,540	8,920	5,040
2030	65,610	47,200	13,730	10,160	5,480
2035	71,430	50,740	14,920	11,650	5,880
2040	77,480	54,210	16,120	13,410	6,260
2045	83,860	57,590	17,400	15,490	6,630

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**Table 13.16-- ECONOMIC ESTIMATES AND PROJECTIONS FOR THE STATE
AND BY COUNTY: 2016 TO 2045 -- Con.**

Year	Total personal income	Labor income	Dividends, interest and rent	Transfer income	Contrib. for gov't insurance
Kauai					
2016	2,952	1,919	667	589	224
2020	3,250	2,100	740	660	250
2025	3,660	2,330	840	770	280
2030	4,100	2,580	940	900	310
2035	4,600	2,830	1,060	1,050	350
2040	5,140	3,110	1,180	1,230	380
2045	5,770	3,410	1,320	1,460	420
Maui					
2016	6,921	4,834	1,499	1,129	549
2020	7,650	5,330	1,660	1,280	610
2025	8,680	6,010	1,860	1,500	700
2030	9,830	6,760	2,090	1,780	790
2035	11,100	7,560	2,330	2,100	890
2040	12,490	8,420	2,590	2,480	1,000
2045	14,050	9,370	2,880	2,920	1,110

1/ Figures for 2016 are from the U.S. Bureau of Economic Analysis (BEA) and projection values for 2020 to 2045 were rounded to the nearest ten millions.

Source: Hawaii State Department of Business, Economic Development & Tourism,
Population and Economic Projections for the State of Hawaii to 2045 (June 2018), Appendix Table A-54
<<http://dbedt.hawaii.gov/economic/economic-forecast/2045-long-range-forecast/>> accessed June 28, 2018.

Table 13.17-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES, UNRELATED INDIVIDUALS AND PERSONS: 1949 TO 2017

[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
2015	73,486	83,823	42,331	48,074	40,434
2016	74,511	86,768	42,111	49,373	41,224
2017	77,765	91,460	41,972	51,594	41,664

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 American FactFinder, American Community Survey 1-Year Estimates Hawaii Geographic Area Profiles "DP03 Selected Economic Characteristics" (annual) <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 25, 2019.

**Table 13.18-- MEDIAN INCOME OF FOUR-PERSON FAMILIES IN HAWAII
AND THE UNITED STATES: 2005 TO 2017**

[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]

Calendar year 1/	Hawaii (dollars)	United States (dollars)	Hawaii rank 2/	Hawaii as percent of U.S.
2005	79,240	67,019	6	118.2
2006	84,472	70,354	6	120.1
2007	84,438	72,336	6	116.7
2008	91,483	75,782	6	120.7
2009	85,190	73,714	8	115.6
2010	82,726	72,767	11	113.7
2011	82,973	74,563	13	111.3
2012	83,538	76,049	15	109.8
2013	88,217	77,953	11	113.2
2014	91,096	80,545	10	113.1
2015	96,837	82,508	9	117.4
2016	97,849	86,877	12	112.6
2017	102,125	90,748	12	112.5

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' 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.

Source: 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 January 19, 2019 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII
AND THE UNITED STATES, IN CURRENT AND CONSTANT 2017
DOLLARS: 1984 TO 2017**

[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 2017 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					
	Hawaii			United States		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
1984	28,877	(NA)	1,216	22,415	(NA)	102
1985	28,961	0.3	1,446	23,618	5.4	128
1986	29,003	0.1	1,206	24,897	5.4	129
1987	35,022	20.8	1,074	26,061	4.7	127
1988	33,024	-5.7	1,482	27,225	4.5	139
1989	35,035	6.1	1,328	28,906	6.2	159
1990	38,921	11.1	1,414	29,943	3.6	153
1991	37,246	-4.3	1,630	30,126	0.6	144
1992	42,113	13.1	1,435	30,636	1.7	145
1993	42,662	1.3	1,759	31,241	2.0	146
1994	42,255	-1.0	2,423	32,264	3.3	147
1995	42,851	1.4	1,292	34,076	5.6	197
1996	41,772	-2.5	1,893	35,492	4.2	179
1997	40,934	-2.0	1,399	37,005	4.3	171
1998	40,827	-0.3	2,369	38,885	5.1	230
1999	44,504	9.0	1,832	40,696	4.7	190
2000	51,546	15.8	1,193	41,990	3.2	132
2001	47,439	-8.0	1,256	42,228	0.6	129
2002	47,303	-0.3	1,371	42,409	0.4	139
2003	51,834	9.6	1,332	43,318	2.1	188
2004	56,242	8.5	1,690	44,334	2.3	196
2005	59,586	5.9	1,212	46,326	4.5	155
2006	60,470	1.5	1,571	48,201	4.0	207
2007	64,022	5.9	2,125	50,233	4.2	140
2008	61,521	-3.9	1,481	50,303	0.1	137
2009	55,649	-9.5	2,023	49,777	-1.0	213
2010	59,539	7.0	2,731	49,276	-1.0	325
2011	59,047	-0.8	2,531	50,054	1.6	251
2012	56,263	-4.7	2,255	51,017	1.9	209
2013 1/	61,408	9.1	2,207	51,939	1.8	276
2013 2/	64,235	4.6	3,918	53,585	3.2	654
2014	71,223	10.9	2,676	53,657	0.1	392
2015	64,514	-9.4	2,840	56,516	5.3	321
2016	72,133	11.8	2,510	59,039	4.5	436
2017	73,575	2.0	2,277	61,372	4.0	335

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**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII
AND THE UNITED STATES, IN CURRENT AND CONSTANT 2017
DOLLARS: 1984 TO 2017 -- Con.**

Year	Median income in constant (2017) dollars					
	Hawaii			United States		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
1984	65,072	(NA)	2,740	50,511	(NA)	230
1985	63,095	-3.0	3,150	51,455	1.9	279
1986	62,100	-1.6	2,582	53,309	3.6	276
1987	72,494	16.7	2,223	53,945	1.2	263
1988	65,975	-9.0	2,961	54,390	0.8	278
1989	67,061	1.6	2,542	55,329	1.7	304
1990	70,998	5.9	2,579	54,621	-1.3	279
1991	65,557	-7.7	2,869	53,025	-2.9	253
1992	72,325	10.3	2,464	52,615	-0.8	249
1993	71,466	-1.2	2,947	52,334	-0.5	245
1994	69,337	-3.0	3,976	52,942	1.2	241
1995	68,661	-1.0	2,070	54,600	3.1	316
1996	65,195	-5.0	2,954	55,394	1.5	279
1997	62,536	-4.1	2,137	56,533	2.1	261
1998	61,539	-1.6	3,571	58,612	3.7	347
1999	65,683	6.7	2,704	60,062	2.5	280
2000	73,579	12.0	1,703	59,938	-0.2	188
2001	65,842	-10.5	1,743	58,609	-2.2	179
2002	64,634	-1.8	1,873	57,947	-1.1	190
2003	69,253	7.1	1,780	57,875	-0.1	251
2004	73,165	5.6	2,199	57,674	-0.3	255
2005	74,976	2.5	1,525	58,291	1.1	195
2006	73,699	-1.7	1,915	58,746	0.8	252
2007	75,876	3.0	2,518	59,534	1.3	166
2008	70,215	-7.5	1,690	57,412	-3.6	156
2009	63,735	-9.2	2,317	57,010	-0.7	244
2010	67,084	5.3	3,077	55,520	-2.6	366
2011	64,496	-3.9	2,765	54,673	-1.5	274
2012	60,181	-6.7	2,412	54,569	-0.2	224
2013 1/	64,725	7.6	2,326	54,744	0.3	291
2013 2/	67,705	4.6	4,130	56,479	3.2	689
2014	73,820	9.0	2,774	55,613	-1.5	406
2015	66,751	-9.6	2,938	58,476	5.1	332
2016	73,684	10.4	2,564	60,309	3.1	445
2017	73,575	-0.1	2,227	61,372	1.8	335

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**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII
AND THE UNITED STATES, IN CURRENT AND CONSTANT 2017
DOLLARS: 1984 TO 2017 -- Con.**

NA Not available.

1/ The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of the 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of these 2013 estimates is the portion of the CPS ASEC sample which received the income questions consistent with the 2013 CPS ASEC, approximately 68,000 addresses.

2/ The source of these 2013 estimates is the portion of the CPS ASEC sample which received the redesigned income questions, approximately 30,000 addresses.

Source: U.S. Census Bureau, Historical Income Tables - Households, Table H-8. Median Household Income by State: 1984 to 2017 <<https://www2.census.gov/programs-surveys/cps/tables/time-series/historical-income-households/h08.xls>> accessed January 25, 2019; and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 13.20- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII AND THE UNITED STATES, 2-YEAR MOVING AVERAGES IN CONSTANT 2017 DOLLARS: 1984 TO 2017

[Based on small samples and subject to considerable sampling variation. Surveys conducted in March or April of following year. Median income in 2017 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					
	Hawaii			United States		
	Income (dollars)	Percent change	Standard error	Income (dollars)	Percent change	Standard error
1984-1985	64,084	(NA)	2,423	50,983	(NA)	209
1985-1986	62,598	-2.3	2,360	52,382	2.7	228
1986-1987	67,297	7.5	1,977	53,627	2.4	221
1987-1988	69,234	2.9	2,140	54,167	1.0	222
1988-1989	66,518	-3.9	2,264	54,859	1.3	239
1989-1990	69,029	3.8	2,104	54,975	0.2	240
1990-1991	68,278	-1.1	2,240	53,823	-2.1	219
1991-1992	68,941	1.0	2,194	52,820	-1.9	206
1992-1993	71,896	4.3	2,227	52,474	-0.7	203
1993-1994	70,401	-2.1	2,859	52,638	0.3	200
1994-1995	68,999	-2.0	2,542	53,771	2.2	230
1995-1996	66,928	-3.0	2,079	54,997	2.3	245
1996-1997	63,866	-4.6	2,105	55,964	1.8	222
1997-1998	62,037	-2.9	2,380	57,572	2.9	251
1998-1999	63,611	2.5	2,589	59,337	3.1	258
1999-2000	69,631	9.5	1,833	60,000	1.1	194
2000-2001	69,710	0.1	1,416	59,274	-1.2	151
2001-2002	65,238	-6.4	1,486	58,278	-1.7	152
2002-2003	66,943	2.6	1,501	57,911	-0.6	182
2003-2004	71,209	6.4	1,639	57,775	-0.2	208
2004-2005	74,071	4.0	1,542	57,983	0.4	186
2005-2006	74,337	0.4	1,417	58,518	0.9	184
2006-2007	74,788	0.6	1,829	59,140	1.1	174
2007-2008	73,046	-2.3	1,745	58,473	-1.1	132
2008-2009	66,975	-8.3	1,656	57,211	-2.2	166
2009-2010	65,498	-2.2	2,556	56,184	-1.8	324
2010-2011	65,790	0.4	2,360	55,097	-1.9	278
2011-2012	62,338	-5.2	1,992	54,621	-0.9	205
2012-2013 1/	62,453	0.2	1,701	54,657	0.1	193
2014-2015 1/	70,285	12.5	2,197	57,044	4.4	262
2015-2016	70,218	-0.1	2,000	59,392	4.1	281
2016-2017	73,630	4.9	1,857	60,840	2.4	308

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**Table 13.20- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII
AND THE UNITED STATES, 2-YEAR MOVING AVERAGES IN
CONSTANT 2017 DOLLARS: 1984 TO 2017 -- Con.**

NA Not available.

1/ Due to the redesign of the CPS ASEC income questions, 2013 to 2014 data are not available for sequential two-year averages, i.e. 2013-2014.

Source: U.S. Census Bureau, "Table H-8A. Median Income of Households by State: 1984 to 2017 Two-Year Moving Averages" <<https://www2.census.gov/programs-surveys/cps/tables/time-series/historical-income-households/h08a.xls>> accessed January 25, 2019 and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 13.21-- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII
AND THE UNITED STATES, 3-YEAR MOVING AVERAGES IN
CONSTANT 2017 DOLLARS: 1984 TO 2017**

[Based on small samples and subject to considerable sampling variation. From surveys conducted in March or April of following year. Median income in 2017 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					
	Hawaii (dollars)	Standard error	Rank 1/	United States (dollars)	Standard error	Rank btw. 1/
1984-1986	63,423	1,995	5	51,758	184	22 & 23
1985-1987	65,897	1,863	5	52,903	191	23 & 24
1986-1988	66,856	1,795	6	53,881	190	24 & 25
1987-1989	68,510	1,827	5	54,555	197	22 & 23
1988-1990	68,011	1,878	6	54,780	202	21 & 22
1989-1991	67,872	1,859	6	54,325	195	20 & 21
1990-1992	69,627	1,859	3	53,420	182	23 & 24
1991-1993	69,783	1,915	3	52,658	174	23 & 24
1992-1994	71,043	2,207	2	52,630	171	23 & 24
1993-1995	69,821	2,179	2	53,292	186	22 & 23
1994-1996	67,731	2,078	3	54,312	197	22 & 23
1995-1997	65,464	1,709	5	55,509	200	22 & 23
1996-1998	63,090	1,995	14	56,846	206	22 & 23
1997-1999	63,252	2,020	16	58,402	210	22 & 23
1998-2000	66,933	1,913	10	59,537	194	21 & 22
1999-2001	68,368	1,436	9	59,537	152	20 & 21
2000-2002	68,018	1,239	10	58,832	130	24 & 25
2001-2003	66,576	1,262	11	58,144	145	24 & 25
2002-2004	69,017	1,357	8	57,832	164	20 & 21
2003-2005	72,465	1,309	4	57,947	165	21 & 22
2004-2006	73,947	1,300	3	58,237	162	22 & 23
2005-2007	74,850	1,405	4	58,857	146	20 & 21
2006-2008	73,264	1,461	5	58,564	135	22 & 23
2007-2009	69,942	1,501	7	57,985	132	22 & 23
2008-2010	66,624	1,492	10	56,711	151	26 & 27
2009-2011	65,164	2,186	9	55,680	270	26 & 27
2010-2012	63,920	1,947	11	54,921	226	24 & 25
2011-2013 2/	63,134	1,524	12	54,663	180	26 & 27
2013-2015 2/	69,425	2,077	6	56,856	294	25 & 26
2014-2016 2/	71,418	1,751	6	58,133	235	27 & 28
2015-2017 2/	71,337	1,513	10	60,052	241	25 & 26

Continued on next page.

**Table 13.21-- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII
AND THE UNITED STATES, 3-YEAR MOVING AVERAGES IN
CONSTANT 2017 DOLLARS: 1984 TO 2017 -- Con.**

1/ 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.

2/ 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 2017 Three-Year Moving Averages" <<http://www2.census.gov/programs-surveys/cps/tables/time-series/historical-income-households/h08b.xls>> accessed January 25, 2019; 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): 2013-2017

[Average of the 5-year period]

Geographic area	Median income (dollars) 1/		Percent below poverty level 2/	
	Households	Families	Persons	Families
State	74,923	87,024	10.3	7.0
County: Hawaii	56,395	66,165	17.4	12.7
Honolulu	80,078	93,367	9.1	5.9
Kalawao	61,750	113,125	12.7	20.0
Kauai	72,330	85,517	9.1	6.6
Maui	72,762	82,641	10.0	6.6
CDP: Hilo	57,151	69,786	19.0	13.2
East Honolulu	120,233	134,982	3.3	2.4
Kailua (Oahu)	114,381	123,464	5.0	2.8
Kaneohe	97,598	105,168	6.0	3.1
Pearl City	91,122	101,977	4.6	3.5
Urban Honolulu	65,707	81,544	11.6	7.7
Waipahu	75,856	81,190	11.8	9.0
Kahului	76,141	79,211	9.8	5.2
Lihue	65,513	84,979	6.3	3.1

1/ Inflation- adjusted 2017 dollars for 2013-2017.

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, 2013-2017 American Community Survey 5-Year Estimates "DP03: Selected Economic Characteristics" for State of Hawaii, Honolulu, Hawaii, Kauai, Maui, Kalawao counties, and selected Census Designated Places <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed April 18, 2019.

Table 13.23-- ESTIMATED MEDIAN HOUSEHOLD INCOME AND POVERTY STATUS, BY COUNTY: 2015 TO 2017

[Small Area Income and Poverty Estimates (SAIPE) estimates provide timely, reliable estimates of income and poverty for the administration of federal programs and the allocation of federal funds to local jurisdictions and school districts. All data shown are estimates containing uncertainty. 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. See source for calculated confidence intervals]

Item	Median house- hold income	Persons in poverty 1/		Persons under 18 in poverty	
	Dollars	Number	Percent	Number	Percent
2015					
State total	73,097	149,091	10.7	44,299	14.5
Hawaii	54,914	35,294	18.3	12,088	28.5
Honolulu	76,544	88,536	9.2	24,207	11.5
Kalawao 2/	(NA)	(NA)	(NA)	(NA)	(NA)
Kauai	70,122	7,928	11.2	2,495	15.9
Maui 2/	68,684	17,333	10.7	5,508	15.3
2016					
State total	74,659	132,597	9.5	33,801	11.2
Hawaii	54,684	29,962	15.4	8,133	19.3
Honolulu	80,012	81,341	8.5	19,779	9.5
Kalawao 2/	(NA)	(NA)	(NA)	(NA)	(NA)
Kauai	63,164	5,716	8.1	1,707	10.8
Maui 2/	69,699	15,578	9.5	4,181	11.7
2017					
State total	76,340	132,201	9.5	35,572	11.9
Hawaii	53,296	29,604	15.0	8,938	20.9
Honolulu	79,642	79,084	8.3	20,432	9.9
Kalawao 2/	(NA)	(NA)	(NA)	(NA)	(NA)
Kauai	70,744	7,172	10.1	2,032	13.0
Maui 2/	72,812	16,342	10.0	4,169	11.8

NA Not available.

1/ Based on Mainland poverty thresholds. Official Hawaii thresholds are about 15 percent higher. See following table.

2/ 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

<<https://www.census.gov/programs-surveys/saipe/data/datasets.All.html>> accessed January 25, 2019.

Table 13.24-- INCOME OF HOUSEHOLDS AND FAMILIES: 2015 TO 2017

[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/>]

Income	Households		Families	
	Number	Percent	Number	Percent
2015 (in 2015 inflation-adjusted dollars)	445,936	100.0	309,386	100.0
Less than \$10,000	23,431	5.3	8,763	2.8
\$10,000 to \$14,999	14,298	3.2	6,275	2.0
\$15,000 to \$24,999	30,457	6.8	12,813	4.1
\$25,000 to \$34,999	30,273	6.8	17,034	5.5
\$35,000 to \$49,999	48,444	10.9	31,017	10.0
\$50,000 to \$74,999	79,554	17.8	57,310	18.5
\$75,000 to \$99,999	64,879	14.5	48,463	15.7
\$100,000 to \$149,999	83,618	18.8	68,830	22.2
\$150,000 to \$199,999	38,040	8.5	31,469	10.2
\$200,000 or more	32,942	7.4	27,412	8.9
Median income (dollars)	73,486	(X)	83,823	(X)
2016 (in 2016 inflation-adjusted dollars)	455,868	100.0	315,505	100.0
Less than \$10,000	25,137	5.5	7,961	2.5
\$10,000 to \$14,999	16,648	3.7	6,353	2.0
\$15,000 to \$24,999	28,509	6.3	12,893	4.1
\$25,000 to \$34,999	30,369	6.7	19,370	6.1
\$35,000 to \$49,999	47,723	10.5	29,231	9.3
\$50,000 to \$74,999	80,844	17.7	56,695	18.0
\$75,000 to \$99,999	62,561	13.7	49,534	15.7
\$100,000 to \$149,999	85,157	18.7	68,068	21.6
\$150,000 to \$199,999	37,177	8.2	30,886	9.8
\$200,000 or more	41,743	9.2	34,514	10.9
Median income (dollars)	74,511	(X)	86,768	(X)
2017 (in 2017 inflation-adjusted dollars)	458,078	100.0	320,336	100.0
Less than \$10,000	28,417	6.2	11,833	3.7
\$10,000 to \$14,999	13,429	2.9	5,088	1.6
\$15,000 to \$24,999	27,794	6.1	12,973	4.0
\$25,000 to \$34,999	28,836	6.3	15,523	4.8
\$35,000 to \$49,999	48,712	10.6	29,490	9.2
\$50,000 to \$74,999	73,602	16.1	50,032	15.6
\$75,000 to \$99,999	67,589	14.8	52,341	16.3
\$100,000 to \$149,999	85,330	18.6	72,462	22.6
\$150,000 to \$199,999	42,481	9.3	37,088	11.6
\$200,000 or more	41,888	9.1	33,506	10.5
Median income (dollars)	77,765	(X)	91,460	(X)

X Not applicable.

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, Hawaii (annual) "DP03: Selected Economic Characteristics"
<<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 25, 2019.

Table 13.25-- INCOME TYPE AND PER CAPITA INCOME, BY COUNTY: 2012-2016 AND 2013-2017

[Averages of 5-year periods, where the periods are not comparable as they share 4 years of data and the inflation-adjustments use different bases]

Subject	State total	City & County of Honolulu	County of Hawaii	County of Kalawao	County of Kauai	County of Maui
Households 2012- 2016						
With earnings (number)	365,446	255,874	48,082	48	17,506	43,936
Mean earnings (dollars) 1/	86,812	91,494	68,007	71,871	80,423	82,684
With Social Security income (number)	154,305	102,166	25,662	13	8,228	18,236
Mean Social Security income (dollars) 1/	18,529	18,680	17,848	6,700	18,749	18,554
With retirement income (number)	105,379	74,028	14,805	13	5,089	11,444
Mean retirement income (dollars) 1/	28,661	29,941	26,336	16,131	26,433	24,393
With Supplemental Security income (number)	19,119	12,394	3,751	1	946	2,027
Mean Supplemental Security income (dollars) 1/	9,263	9,163	9,483	(2/)	9,047	9,566
With cash public assistance income (number)	15,865	10,270	3,118	2	820	1,655
Mean cash public assistance income (dollars) 1/	4,579	4,416	4,863	(2/)	5,132	4,773
With Food Stamp/SNAP benefits in the past 12 months	52,270	30,671	12,901	2	2,259	6,437
Per capita income (dollars) 1/	30,970	32,194	25,827	45,812	28,791	30,599
Households 2013- 2017						
With earnings (number)	367,114	256,446	48,854	44	17,676	44,094
Mean earnings (dollars) 1/	91,120	95,755	70,808	75,870	84,514	89,331
With Social Security income (number)	159,171	104,707	12,851	6	8,277	19,330
Mean Social Security income (dollars) 1/	19,076	19,248	18,510	8,967	19,306	18,836
With retirement income (number)	107,359	75,478	15,161	6	4,982	11,732
Mean retirement income (dollars) 1/	29,585	30,972	27,376	23,833	27,778	24,280
With Supplemental Security income (number)	19,396	12,524	3,840	3	853	2,176
Mean Supplemental Security income (dollars) 1/	9,396	9,179	9,943	(2/)	9,341	9,713
With cash public assistance income (number)	15,600	10,277	2,937	5	698	1,683
Mean cash public assistance income (dollars) 1/	4,315	4,121	4,744	(2/)	4,609	4,626
With Food Stamp/SNAP benefits in the past 12 months	52,059	31,128	13,098	3	2,124	5,706
Per capita income (dollars) 1/	32,511	33,776	26,959	46,024	30,515	32,379

1/ In 2016-inflation adjusted dollars for 2012-2016, and 2017-inflation adjusted dollars for 2013-2017.

2/ Number of sample cases is too small to show.

Source: U.S. Census Bureau, American Community Survey 5-Year Estimates 2012-2016, "DP03: Selected Economic Characteristics: Hawaii State, and Counties" <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 18, 2018; and Ibid. 2013- 2017<<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 25, 2019.

Table 13.26-- POVERTY STATUS OF PERSONS: 1980 TO 2017

[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 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]

Year	Total (1,000)	Number (1,000)	Standard error	Percent	Standard error
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 1/	1,244	106	12	8.6	1.0
2005 1/	1,274	110	12	8.6	1.0
2006 1/	1,254	116	13	9.2	1.0
2007 1/	1,264	94	12	7.5	0.9
2008 1/	1,255	125	13	9.9	1.1
2009 1/	1,250	156	14	12.5	1.2
2010 1/	1,311	162	15	12.4	1.2
2011 1/	1,337	162	18	12.1	1.4
2012 1/	1,356	188	21	13.8	1.6
2013 1/ 2/	1,368	152	16	11.1	1.2
2013 1/ 3/	1,338	142	24	10.6	1.8
2014 1/	1,365	147	16	10.8	1.1
2015 1/	1,382	151	16	10.9	1.1
2016 1/	1,392	129	17	9.3	1.2
2017 1/	1,402	144	18	10.3	1.3

Continued on next page.

Table 13.26-- POVERTY STATUS OF PERSONS: 1980 TO 2017 -- Con.

1/ 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), 14.8 percent in 2014, 13.5 percent in 2015, 12.7 percent in 2016, and 12.3 percent in 2017.

2/ Data are based on the CPS ASEC sample of 68,000 addresses. The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of the 2013 data for this table is the portion of the CPS ASEC sample which received the income questions consistent with the 2013 CPS ASEC, approximately 68,000 addresses.

3/ The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of data for this table is the portion of the CPS ASEC sample which received the redesigned income questions, approximately 30,000 addresses.

Source: U.S. Bureau of the Census, Historical Poverty Tables - People, Tables 19 and 21
<<https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-poverty-people.html>>
accessed January 25, 2019.

Table 13.27-- POVERTY STATUS, FOR THE STATE AND BY COUNTY: 2013-2017

[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. Average of 2013-2017.
Data in percent below poverty level]

Subject	State total	City & County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All families	7.0	5.9	12.7	20.0	6.6	6.6
With related children under 18 years	10.2	8.6	20.5	(1/)	7.7	9.5
With related children under 5 years only	9.6	7.5	23.7	(1/)	7.4	10.1
Married couple families	4.1	3.5	7.0	20.0	4.1	3.9
With related children under 18 years	4.9	4.4	8.6	(1/)	3.1	5.0
With related children under 5 years only	3.3	3.2	5.3	(1/)	2.0	2.1
Families with female householder, no husband present	18.1	16.0	30.1	(1/)	15.7	16.5
With related children under 18 years	26.9	24.9	41.6	(1/)	18.5	21.0
With related children under 5 years only	36.3	32.5	53.4	(1/)	18.1	36.1
All people	10.3	9.1	17.4	13.7	9.1	10.0
Under 18 years	12.9	11.3	23.7	(1/)	8.3	11.8
Related children under 18 years	12.4	10.7	23.4	(1/)	8.0	11.0
Related children under 5 years	13.8	11.3	28.0	(1/)	9.6	14.0
Related children 5 to 17 years	11.9	10.5	21.6	(1/)	7.4	9.8
18 years and over	9.6	8.5	15.7	12.7	9.4	9.5
18 to 64 years	10.1	8.7	17.6	11.1	9.8	9.8
65 years and over	8.0	7.7	9.4	28.6	7.9	8.4
People in families	7.3	6.2	13.8	15.2	6.0	6.7
Unrelated individuals 15 years and over	24.9	23.6	32.3	10.9	23.6	23.3

1/ Either there were no sample observations or too few sample observations were available to compute an estimate.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates, "DP03: Selected Economic Characteristics: Hawaii State, and Counties" <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed April 18, 2019.

Table 13.28-- POVERTY INCOME GUIDELINES FOR HAWAII, THE 48 CONTIGUOUS STATES, AND ALASKA: 2010 TO 2019

[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	
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. 26, 2017	13,860	18,670	23,480	28,290	33,100	37,910	42,720	47,530	4,810
Jan. 13, 2018	13,960	18,930	23,900	28,870	33,840	38,810	43,780	48,750	4,970
Jan. 11, 2019	14,380	19,460	24,540	29,620	34,700	39,780	44,860	49,940	5,080
Aug. 3, 2010									
U.S. 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									
U.S. 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									
U.S. 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									
U.S. 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									
U.S. 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									
U.S. 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									
U.S. 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
Jan. 26, 2017									
U.S. 1/	12,060	16,240	20,420	24,600	28,780	32,960	37,140	41,320	4,180
Alaska	15,060	20,290	25,520	30,750	35,980	41,210	46,440	51,670	5,230
Jan. 13, 2018									
U.S. 1/	12,140	16,460	20,780	25,100	29,420	33,740	38,060	42,380	4,320
Alaska	15,180	20,580	25,980	31,380	36,780	42,180	47,580	52,980	5,400
Jan. 11, 2019									
U.S. 1/	12,490	16,910	21,330	28,750	30,170	34,590	39,010	43,430	4,420
Alaska	15,600	21,130	26,660	32,190	37,720	43,250	48,780	54,310	5,530

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Table 13.28-- POVERTY INCOME GUIDELINES FOR HAWAII, THE 48 CONTIGUOUS STATES, AND ALASKA: 2010 TO 2019 -- 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* 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; for 2016 <<https://federalregister.gov/a/2016-01450>> accessed February 1, 2016; for 2017 <<https://federalregister.gov/a/2017-02076>> accessed February 1, 2017; and for 2018 <<https://www.gpo.gov/fdsys/pkg/FR-2018-01-18/pdf/2018-00814.pdf>> accessed March 7, 2018. for 2019 <<https://www.govinfo.gov/app/details/FR-2019-02-01/2019-00621>> accessed July 18, 2019.

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 (CES) 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; 2013-2014 on September 3, 2015; and 2014-2015 on August 30, 2016 with Honolulu excluded. An updated CES for Honolulu had been restored for 2015-2016 and released on August 29, 2017. See table later in this section for details]

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; 2013-2014 on September 3, 2015; and 2014-2015 on August 30, 2016 with Honolulu excluded. An updated CES for Honolulu had been restored for 2015-2016 and released on August 29, 2017. See table later in this section for details]

Item	All consumer units in the West	Hono- lulu	Los Angeles	San Fran- cisco	San Diego	Port- land	Seattle	Anchor- age	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	Anchor-age	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's)	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	62.0	61.0	58.0	56.0	63.0	63.0	66.0	71.0	70.0	64.0

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 EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR SELECTED WESTERN METROPOLITAN STATISTICAL AREAS: 2016-2017

[Averages over two-year period. Number in units, unless otherwise specified. Expenditures in dollars. See also "Consumer Expenditures for the Honolulu Metropolitan Area: 2015-16" <https://www.bls.gov/regions/west/news-release/2017/consumerexpenditures_honolulu_20171205.htm>]

Item	All consumer units in the West 1/	Honolulu	Los Angeles	San Fran- cisco	San Diego	Seattle	Phoenix	Denver	Anchor- age
Average annual expenditures	66,704	65,099	66,971	79,291	79,585	83,790	62,072	74,088	71,606
Food	8,571	10,036	8,727	8,918	9,984	10,958	6,856	8,855	8,306
Food at home	4,742	5,161	4,466	4,487	5,364	5,978	3,938	5,057	5,284
Cereals and bakery products	596	511	549	599	638	754	513	622	655
Meats, poultry, fish, and eggs	1,008	1,349	1,050	1,021	1,224	1,179	825	1,127	1,073
Dairy products	486	413	423	449	520	605	364	502	502
Fruits and vegetables	958	1,071	970	972	997	1,362	676	1,047	992
Other food at home	1,694	1,816	1,474	1,447	1,985	2,078	1,559	1,758	2,062
Food away from home	3,829	4,875	4,262	4,431	4,620	4,980	2,918	3,798	3,022
Alcoholic beverages	663	658	620	875	1,112	986	485	771	788
Housing	22,612	24,355	24,331	32,656	28,595	26,965	19,491	25,059	23,039
Shelter	14,210	16,502	16,454	22,885	18,677	17,241	10,634	15,452	14,231
Owned dwellings	7,514	6,982	7,822	11,958	10,855	9,377	5,738	8,388	7,966
Rented dwellings	5,845	8,769	7,881	9,652	6,807	6,881	4,113	5,727	5,342
Other lodging	851	751	751	1,275	1,016	982	783	1,337	924
Utilities, fuels, and public services	3,847	4,203	3,757	4,258	3,760	3,964	4,071	4,015	4,590
Household operations	1,565	1,441	1,583	2,580	2,081	2,461	1,702	1,910	1,407
Housekeeping supplies	788	716	761	560	876	775	822	962	719
Household furnishings and equip.	2,203	1,492	1,775	2,373	3,200	2,524	2,262	2,720	2,092
Apparel and services	2,054	1,667	2,150	1,878	2,563	3,884	1,635	2,387	1,648
Transportation	10,217	7,391	9,741	7,994	10,592	12,810	9,985	11,841	12,446
Vehicle purchases (net outlay)	4,170	1,954	3,346	1,904	3,188	5,363	4,430	5,261	5,850
Gasoline and motor oil	2,180	1,794	2,601	1,927	2,432	2,032	1,914	2,028	2,307
Other vehicle expenses	3,004	2,156	2,950	2,544	3,781	4,037	2,895	3,218	2,780
Public and other transportation	863	1,488	845	1,619	1,191	1,378	747	1,334	1,510

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Table 13.31-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR SELECTED WESTERN METROPOLITAN STATISTICAL AREAS: 2016-2017 -- Con.

Item	All consumer units in the West 1/	Honolulu	Los Angeles	San Francisco	San Diego	Seattle	Phoenix	Denver	Anchorage
Healthcare	4,857	3,977	3,956	5,013	5,272	5,546	5,328	6,046	4,557
Entertainment	3,540	3,285	2,764	3,413	4,513	4,295	3,138	4,340	4,346
Personal care products and services	854	705	868	949	1,086	841	795	1,215	778
Reading	143	77	110	217	192	200	141	141	121
Education	1,518	1,820	2,024	3,214	2,453	2,036	1,129	1,430	1,523
Tobacco products & smoking supplies	249	101	190	82	189	257	402	310	482
Miscellaneous	1,275	597	1,430	1,335	1,322	1,527	912	1,178	1,526
Cash contributions	2,268	3,512	1,522	2,412	2,038	3,502	1,452	2,397	1,867
Personal insurance and pensions	7,882	6,919	8,538	10,336	9,673	9,983	10,323	8,119	10,179
Life and other personal insurance	322	251	307	278	625	376	266	317	455
Pensions and Social Security	7,560	6,668	8,231	10,059	9,049	9,608	10,057	7,802	9,724
Number of consumer units (1,000's)	28,601	532	6,337	1,749	1,244	1,640	1,420	1,422	206
Consumer unit characteristics									
Income before taxes	85,107	93,672	76,471	124,002	99,931	117,844	73,834	105,790	96,094
Age of reference person	49.8	53.0	49.8	49.6	49.2	47.9	50.0	46.7	49.1
Average number in consumer unit									
People	2.7	2.7	2.8	2.5	2.7	2.4	2.5	2.5	2.6
Children under 18	0.7	0.6	0.7	0.5	0.7	0.5	0.7	0.6	0.6
Adults 65 and older	0.4	0.5	0.3	0.4	0.3	0.3	0.4	0.3	0.3
Earners	1.4	1.4	1.5	1.4	1.4	1.5	1.3	1.5	1.5
Vehicles	2.1	1.7	1.7	1.8	2.2	1.9	1.8	2.0	2.5
Percent homeowner	58.0	54.0	52.0	55.0	56.0	59.0	63.0	62.0	60.0

1/ A consumer unit includes families, single persons living alone or sharing a household with others but who are financially independent, or two or more persons living together who share expenses.

Source: U.S. Bureau of Labor Statistics, Selected Western Metropolitan Statistical Areas: Average Annual Expenditures and Characteristics, (September 2018) <<https://www.bls.gov/cex/tables.htm>> accessed January 25, 2019.

**Table 13.32-- 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> accessed June 16, 2016.

**Table 13.33-- AVERAGE ANNUAL CONSUMER EXPENDITURES
FOR MAUI COUNTY: 2014**

[In dollars and percent]

Category	Expenditures	Share
Average annual 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> accessed June 16, 2016.

**Table 13.34-- 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> accessed June 27, 2016.

**Table 13.35-- 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> accessed June 27, 2016.

**Table 13.36-- 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> 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> 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> accessed June 27, 2016.

Table 13.37-- PERSONAL CONSUMPTION EXPENDITURES, BY MAJOR TYPE OF PRODUCT: 2010 TO 2017

[In millions of current dollars. BEA revised estimates in this series 1997 to 2016]

Industry	2010	2011	2012	2013	2014	2015	2016	2017
Personal consumption expenditures (PCE)	48,197	50,615	53,034	54,876	57,739	60,117	62,807	65,768
Goods	15,531	16,292	16,859	17,428	18,119	18,468	19,139	20,067
Durable goods	4,827	5,062	5,363	5,597	5,842	6,100	6,320	6,676
Motor vehicles & parts	1,237	1,329	1,434	1,537	1,623	1,740	1,784	1,830
Furnishings & durable household equipment	1,116	1,133	1,163	1,203	1,253	1,301	1,363	1,437
Recreational goods & vehicles	1,777	1,795	1,908	1,978	2,054	2,126	2,240	2,388
Other durable goods	697	805	858	880	911	933	934	1,021
Nondurable goods	10,704	11,230	11,496	11,831	12,277	12,369	12,819	13,391
Food & beverages purchased for off-premises consumption	4,553	4,760	4,800	5,016	5,210	5,350	5,576	5,826
Clothing and footwear	999	1,096	1,175	1,166	1,180	1,188	1,215	1,279
Gasoline & other energy goods	1,002	1,163	1,153	1,095	1,016	743	711	784
Other nondurable goods	4,150	4,211	4,367	4,554	4,871	5,087	5,317	5,502
Services	32,666	34,323	36,176	37,448	39,620	41,649	43,668	45,701
Household consumption expenditures (for services)	30,537	32,128	33,754	35,024	37,028	39,043	40,833	42,774
Housing and utilities	10,085	10,732	11,216	11,671	12,372	13,017	13,565	14,056
Health care	6,956	7,048	7,431	7,590	7,982	8,600	9,245	9,857
Transportation services	1,375	1,551	1,660	1,781	1,854	1,892	1,945	2,043
Recreation services	1,546	1,573	1,801	1,920	1,992	2,039	2,039	2,104
Food services & accom.	2,354	2,548	2,784	2,930	3,113	3,305	3,497	3,649
Financial services & insurance	3,764	4,041	4,071	4,214	4,543	4,823	5,001	5,276
Other services	4,457	4,635	4,791	4,918	5,173	5,368	5,542	5,788
Final consumption expenditures of nonprofit institutions serving households (NPISHs)	2,129	2,195	2,422	2,424	2,592	2,606	2,836	2,927
Gross output of nonprofit institutions	5,919	6,176	6,645	6,797	7,248	7,574	8,149	8,483
Less: Receipts from sales of goods & serv. by nonprof. inst	3,790	3,981	4,223	4,373	4,656	4,968	5,314	5,556

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP1 Total personal consumption expenditures (PCE) by state: 1997-2017
<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1> accessed October 4, 2018. See also "Personal Consumption Expenditures, By State: 2017" (October 4, 2018)
<https://www.bea.gov/news/2018/personal-consumption-expenditures-state-2017> accessed October 4, 2018.

**Table 13.38-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA,
BY MAJOR TYPE OF PRODUCT: 2010 TO 2017**

[Per capita PCE estimates are in current dollars, and reflect Census Bureau midyear population estimates, for years 2010-2017 available as of December 2017. Per capita values are computed from unrounded data. BEA revised estimates in this series 1997 to 2016]

Industry	2010	2011	2012	2013	2014	2015	2016	2017
Personal consumption expend. (PCE) per cap.	35,340	36,722	38,078	38,973	40,727	42,148	43,961	46,071
Goods	11,388	11,820	12,104	12,377	12,780	12,948	13,396	14,057
Durable goods	3,539	3,673	3,850	3,975	4,121	4,277	4,424	4,677
Motor vehicles & parts	907	964	1,029	1,091	1,145	1,220	1,249	1,282
Furnishings & durable household equipment	818	822	835	854	884	912	954	1,007
Rec. goods & vehicles	1,303	1,302	1,370	1,405	1,449	1,490	1,568	1,673
Other durable goods	511	584	616	625	643	654	653	715
Nondurable goods	7,849	8,147	8,254	8,402	8,660	8,672	8,972	9,380
Food & bev. purchased for off-premises consumption	3,338	3,453	3,446	3,562	3,675	3,751	3,903	4,081
Clothing and footwear	733	795	844	828	833	833	851	896
Gasoline & other energy goods	735	844	828	778	716	521	497	549
Other nondurable goods	3,043	3,055	3,135	3,234	3,436	3,567	3,722	3,854
Services	23,952	24,902	25,974	26,596	27,947	29,200	30,565	32,014
Household consumption expenditures (for services)	22,391	23,309	24,235	24,874	26,118	27,373	28,581	29,963
Housing and utilities	7,395	7,786	8,053	8,289	8,727	9,126	9,495	9,847
Health care	5,100	5,113	5,335	5,391	5,630	6,029	6,471	6,905
Transportation services	1,008	1,125	1,192	1,265	1,308	1,326	1,361	1,431
Recreation services	1,133	1,141	1,293	1,364	1,405	1,429	1,427	1,474
Food services & accom.	1,726	1,849	1,999	2,081	2,196	2,317	2,447	2,556
Financial services & insur.	2,760	2,932	2,923	2,992	3,204	3,382	3,500	3,696
Other services	3,268	3,363	3,440	3,493	3,649	3,764	3,879	4,054
Final cons. expend. of of nonprofit inst. serving households (NPISHs)	1,561	1,593	1,739	1,721	1,828	1,827	1,985	2,051
Gross output of nonprofit institutions	4,340	4,481	4,771	4,827	5,112	5,310	5,704	5,942
Less: Receipts from sales of goods & serv. by nonprof. inst.	2,779	2,888	3,032	3,106	3,284	3,483	3,719	3,892

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP2 Per capita personal consumption expenditures (PCE) by state, 1997-2017 <<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed October 4, 2018. See also "Personal Consumption Expenditures, By State: 2017" (October 4, 2018) <<https://www.bea.gov/news/2018/personal-consumption-expenditures-state-2017>> accessed October 4, 2018.

**Table 13.39-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA
FOR THE UNITED STATES AVERAGE, THE 50 STATES AND THE
DISTRICT OF COLUMBIA: 2010 TO 2017**

[In current dollars. Per capita PCE estimates are in current dollars, and reflect Census Bureau midyear population estimates, for years 2010-2017 available as of December 2017. Per capita values are computed from unrounded data. BEA revised estimates in this series from 1997 to 2016]

State	2010	2011	2012	2013	2014	2015	2016	2017
U.S. average	32,901	34,114	35,026	35,762	37,085	38,275	39,456	40,878
Hawaii	35,340	36,722	38,078	38,973	40,727	42,148	43,961	46,071
Hawaii as % of U.S.	107.4	107.6	108.7	109.0	109.8	110.1	111.4	112.7
Alabama	27,339	28,177	28,827	29,290	30,123	30,870	31,572	32,489
Alaska	38,992	40,669	41,719	42,218	43,867	45,400	46,299	48,036
Arizona	29,125	29,988	30,467	30,910	31,863	32,594	33,256	34,548
Arkansas	26,356	27,438	28,212	28,846	29,824	30,649	31,695	32,875
California	34,268	35,585	36,701	37,419	38,952	40,719	42,528	44,366
Colorado	34,232	35,215	35,938	36,617	38,049	39,341	40,638	42,239
Connecticut	41,640	42,864	43,786	44,899	46,656	47,983	49,160	50,720
Delaware	35,569	36,835	37,479	38,174	39,410	40,504	41,307	42,351
Dist. of Col.	51,644	52,699	53,294	54,126	55,729	57,849	59,094	60,914
Florida	32,351	33,494	34,396	34,918	36,332	37,650	38,441	39,525
Georgia	28,485	29,552	30,234	30,922	32,071	32,879	33,851	35,028
Hawaii	35,340	36,722	38,078	38,973	40,727	42,148	43,961	46,071
Idaho	27,051	28,104	29,015	30,120	31,302	32,523	33,792	35,339
Illinois	34,335	35,491	36,252	36,891	38,398	39,873	41,247	42,927
Indiana	29,423	30,545	31,630	32,142	32,947	33,790	34,870	36,305
Iowa	30,575	31,875	32,727	33,397	34,550	35,419	36,483	37,652
Kansas	29,898	31,090	31,927	32,505	33,600	34,488	35,451	36,534
Kentucky	27,555	28,668	29,348	29,844	30,803	31,753	32,824	33,785
Louisiana	28,916	29,786	30,419	31,098	32,114	33,036	33,694	34,539
Maine	36,170	37,327	37,947	38,675	39,882	40,887	41,977	43,364
Maryland	37,109	38,055	38,890	39,555	40,855	42,156	43,498	45,034
Massachusetts	43,062	44,285	45,342	46,271	48,007	49,783	51,373	53,267
Michigan	31,713	32,946	33,648	34,323	35,579	36,693	37,983	39,237
Minnesota	35,984	37,448	38,353	39,252	40,627	41,957	43,473	45,354
Mississippi	25,137	26,126	26,785	27,256	27,900	28,497	29,197	30,027
Missouri	31,708	33,082	34,081	34,595	35,414	36,431	37,351	38,619
Montana	32,064	33,449	34,692	35,727	36,964	38,250	39,320	40,955
Nebraska	32,516	33,777	34,752	35,521	36,588	37,584	38,859	40,160
Nevada	33,146	34,428	35,199	35,912	37,182	38,146	38,946	39,806
New Hampshire	41,425	42,756	43,654	44,861	46,127	47,429	48,663	50,265
New Jersey	41,256	42,368	43,374	44,384	45,844	47,186	48,518	49,911

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**Table 13.39-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA
FOR THE UNITED STATES AVERAGE, THE 50 STATES AND THE
DISTRICT OF COLUMBIA: 2010 TO 2017 -- Con.**

State	2010	2011	2012	2013	2014	2015	2016	2017
New Mexico	28,443	29,482	30,285	30,910	32,166	33,059	33,814	34,696
New York	38,103	39,573	40,637	41,897	44,018	45,497	47,230	49,291
North Carolina	27,486	28,334	29,256	30,018	30,974	31,900	32,887	34,152
North Dakota	35,714	38,805	42,314	44,293	46,334	46,175	45,778	46,713
Ohio	31,705	33,113	34,219	34,912	36,086	37,199	38,141	39,403
Oklahoma	27,238	28,511	29,449	30,034	31,187	31,695	32,265	33,056
Oregon	32,127	33,329	34,054	35,039	36,560	38,052	39,287	40,805
Pennsylvania	35,267	36,561	37,222	37,997	39,152	40,252	41,370	42,819
Rhode Island	35,505	36,576	37,253	38,099	39,536	40,878	41,934	43,193
South Carolina	27,898	28,813	29,405	30,182	31,142	31,861	32,748	33,692
South Dakota	33,131	34,672	35,930	37,178	38,437	39,689	41,078	42,558
Tennessee	28,307	29,358	30,010	30,376	31,537	32,493	33,579	34,905
Texas	29,955	31,372	32,469	33,203	34,528	35,372	36,214	37,486
Utah	28,013	28,837	29,782	30,456	31,751	33,038	34,502	35,786
Vermont	37,957	39,722	40,821	42,351	44,023	45,383	46,518	47,845
Virginia	35,912	37,005	37,995	38,515	39,712	40,893	42,178	43,551
Washington	34,935	36,184	37,392	38,314	39,709	41,190	42,554	44,377
West Virginia	27,902	29,274	30,204	30,713	31,642	32,590	33,592	34,758
Wisconsin	32,993	34,222	34,760	35,659	36,838	37,958	39,186	40,660
Wyoming	34,003	35,776	36,864	37,815	39,078	39,345	39,650	41,036

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP2 Per capita personal consumption expenditures (PCE) by state, 1997-2017

<<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed October 4, 2018. See also "Personal Consumption Expenditures, By State: 2017"

(October 4, 2018) <<https://www.bea.gov/news/2018/personal-consumption-expenditures-state-2017>> accessed October 4, 2018.

Table 13.40-- TOP WEALTHHOLDERS: 1962 TO 2013

[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 wealth- holders	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
Gross estate over \$5.0 million				
2013	826	13,379	313	13,066

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Table 13.40-- TOP WEALTHHOLDERS: 1962 TO 2013 -- Con.

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; in 2007, \$59,625, \$14,136, and \$5,193; and in 2013, \$13,379, \$3,823, and \$3,715 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> and for 1995 <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.htm>> 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; Ibid. 2013 <<https://www.irs.gov/uac/soi-tax-stats-personal-wealth-statistics>> accessed January 18, 2018; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.41--TOP WEALTHHOLDERS WITH NET WORTH OF \$1.5 MILLION OR MORE, NET WORTH AND SELECTED ASSETS, U.S. AND HAWAII: 2004, 2007, AND 2013

[Data are estimates based on samples. Numbers are in thousands and amounts in millions of dollars]

Category	Hawaii	United States	Hawaii as percent of U.S.
2004: Wealthholders above \$1.5 million			
Net worth: Number (1,000's)	7	2,196	0.3
Amount	22,552	9,721,133	0.2
Total assets: Amount	24,375	10,340,723	0.2
Financial assets: Number (1,000's)	6	2,194	0.4
Amount	11,903	6,622,433	0.2
All other assets: Number (1,000's)	5	2,042	0.3
Amount	1,825	1,441,099	0.1
All real estate: Number (1,000's)	7	1,974	0.4
Amount	10,647	2,277,191	0.7
2007: Wealthholders above \$2.0 million			
Net worth: Number (1,000's)	7	1,841	0.4
Amount	75,601	11,627,389	0.7
Total assets: Amount	78,954	12,361,069	0.6
Financial assets: Number (1,000's)	6	1,838	0.3
Amount	59,625	7,717,780	0.8
All other assets: Number (1,000's)	6	1,717	0.3
Amount	5,193	2,125,608	0.2
All real estate: Number (1,000's)	7	1,654	0.4
Amount	14,136	2,517,681	0.6
2013: Wealthholders above \$5.0 million			
Net worth: Number	826	481,239	0.2
Amount	13,066	6,542,469	0.2
Total assets: Amount	13,379	6,852,453	0.2
Financial assets: Number	826	475,622	0.2
Amount	5,841	4,289,063	0.1
All other assets: Number	799	450,420	0.2
Amount	3,715	1,592,888	0.2
All real estate: Number	806	433,858	0.2
Amount	3,823	970,502	0.4

Source: U. S. Department of Treasury, Internal Revenue Service, 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; "Table 6. Personal Wealth 2013: Top Wealth Holders with Net Worth of \$5 Million or More, Net Worth and Selected Assets, by State of Residence" <https://www.irs.gov/uac/soi-tax-stats-personal-wealth-statistics> accessed January 18, 2018; and calculations by Hawaii State Department of Business, Economic Development

Table 13.42-- NET WORTH OF RICHEST RESIDENTS: 2006 TO 2018

[There were no Hawaii residents on the Forbes 400 list in 2007]

Name	Residence	Age (yrs)	Net worth (million dollars)	Rank	Primary sources
2006 Anthony, Barbara Cox 1/	Honolulu	83	12,600	17	Inheritance (Cox Enterprises, newspapers, cable TV)
2008 Omidyar, Pierre	Honolulu	41	6,300	54	Self made, launched Ebay on-line auction 1995, technology
2009 Omidyar, Pierre	Honolulu	42	5,500	40	Self made, launched Ebay on-line auction 1995, technology
2010 Omidyar, Pierre	Honolulu	43	5,500	47	Self made, launched Ebay on-line auction 1995, technology
2011 Omidyar, Pierre	Honolulu	44	6,200	50	Self made, launched Ebay on-line auction 1995, technology
2012 Omidyar, Pierre	Honolulu	45	8,200	42	Self made, launched Ebay on-line auction 1995, technology
2013 Omidyar, Pierre	Honolulu	46	8,500	47	Self made, launched Ebay on-line auction 1995, technology
2014 Omidyar, Pierre	Honolulu	47	8,200	59	Self made, launched Ebay on-line auction 1995, technology
2015 Omidyar, Pierre	Honolulu	48	8,400	57	Self made, launched Ebay on-line auction 1995, technology
2016 Omidyar, Pierre	Honolulu	49	8,100	54	Self made, launched Ebay on-line auction 1995, technology
2017 Omidyar, Pierre 2/	Honolulu	50	9,600	48	Self made, launched Ebay on-line auction 1995, technology
2018 Omidyar, Pierre	Honolulu	51	11,600	38	Self made, launched Ebay on-line auction 1995, technology

1/ Sisters Barbara Cox Anthony and Anne Cox Chambers, of Atlanta, share a fortune. It was worth more than \$19 billion in 1999, \$20 billion in 2000, \$23 billion in 2001, \$19 billion in 2002, \$22 billion in 2003, \$22.6 billion in 2004, and \$25 billion in 2005. In 2006, the sisters tied at rank of 17 with net worth of \$12.6 billion each. They have been members of the Forbes 400 since 1982. Note: Mrs. Anthony died on May 28, 2007 at her home in Honolulu. She was 84.

2/ Tied with Jan Koum of Santa Clara, California whose 'Primary source' is listed as 'WhatsApp'.

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 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; for 2015 accessed October 28, 2015; for 2016 accessed October 18, 2016; for 2017 accessed January 18, 2018; and for 2018 <<http://www.forbes.com/wealth/forbes-400/list>> accessed January 25, 2019.

Table 13.43-- HOUSEHOLD DEBT PER CAPITA FOR HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2018

[Data subject to sampling variation. See also Hawaii Department of Business, Economic Development & Tourism, *An Analysis of Consumer Debt: How does Hawaii Compare with the Nation?* (May 2017) <http://files.hawaii.gov/dbedt/economic/reports/consumer_debt_final.pdf>]

Year 1/	Total 2/	Auto loan	Credit card	Mortgage	Student loan	Population 3/
Hawaii						
1999	35,400	1,050	2,810	26,870	420	871,060
2000	35,960	1,220	2,920	25,930	410	928,800
2001	34,680	1,410	3,080	24,940	540	972,040
2002	33,780	1,590	3,340	23,950	530	968,460
2003	40,700	1,990	3,330	31,730	730	982,360
2004	47,030	2,150	3,460	35,890	960	995,760
2005	51,810	2,400	3,480	39,870	1,090	1,013,460
2006	58,210	2,720	3,650	46,280	1,360	1,020,960
2007	65,040	2,560	4,030	52,570	1,500	1,020,540
2008	68,610	2,470	4,190	55,030	1,800	1,016,560
2009	68,320	2,200	3,930	55,300	2,020	1,016,220
2010	66,130	2,080	3,650	53,690	2,270	1,022,660
2011	66,540	2,390	3,580	53,110	2,350	1,019,300
2012	65,930	2,510	3,490	52,230	2,690	1,015,540
2013	64,670	2,630	3,290	51,060	2,920	1,057,500
2014	65,590	2,950	3,360	51,070	3,010	1,075,160
2015	67,010	3,330	3,460	51,770	3,150	1,082,720
2016	68,500	3,600	3,650	52,380	3,240	1,095,820
2017 4/	71,170	3,650	3,860	54,680	3,530	1,103,340
2018	72,590	3,860	4,060	54,980	3,780	1,110,100
U. S. average 5/						
1999	22,860	1,830	2,370	15,870	530	213,710,272
2000	24,990	2,080	2,580	17,360	580	225,141,344
2001	25,830	2,340	2,720	17,670	720	235,396,400
2002	28,410	2,640	2,940	19,590	750	236,999,648
2003	33,430	2,960	2,960	23,740	1,060	238,403,344
2004	37,290	3,040	3,040	26,590	1,440	239,520,304
2005	40,650	3,240	3,060	29,230	1,610	243,048,144
2006	45,410	3,360	3,170	33,400	1,970	244,542,960
2007	50,170	3,360	3,490	37,250	2,250	243,167,856
2008	52,010	3,310	3,670	38,490	2,670	239,615,536
2009	49,820	3,030	3,370	36,810	3,010	239,480,736
2010	47,410	2,950	3,050	35,010	3,370	240,969,936
2011	47,790	3,050	2,950	34,200	3,620	240,874,656
2012	47,020	3,270	2,850	33,230	4,000	240,765,728
2013	45,310	3,420	2,710	31,630	4,250	253,855,344
2014	45,710	3,720	2,730	31,520	4,490	257,980,096
2015	46,000	4,070	2,800	31,330	4,660	261,651,840
2016	46,950	4,340	2,930	31,590	4,920	266,229,200
2017 4/	48,800	4,520	3,100	32,940	5,130	268,041,568
2018	50,090	4,700	3,220	33,680	5,390	269,495,872

Continued on next page.

**Table 13.43-- HOUSEHOLD DEBT PER CAPITA FOR HAWAII AND
THE UNITED STATES AVERAGE: 1999 TO 2018 -- Con.**

1/ For the fourth quarter of the year indicated.

2/ Includes components not shown separately.

3/ Ages 18 years and older and with credit file with Equifax.

4/ For Hawaii 'Student loan' and for the United States 'Total' and 'Student loan' revised from previous *Data Book*.

5/ Data include Puerto Rico but exclude other U.S. Territories like Guam and the U.S. Virgin Islands, as well as certain other areas.

Source: Federal Reserve Bank of New York, "State Level Household Debt Statistics 1999-2016" (May 2017) accessed June 13, 2017; and Ibid. 2003-2018 (March 2019)
<https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx>
accessed July 7, 2019.

Table 13.44-- HOUSEHOLD DEBT DELINQUENCY PER CAPITA FOR HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2018

[Data subject to sampling variation. Percent of category debt balance 90+ days delinquent. Population for per capita calculations are those ages 18 years and older and with credit file with Equifax. See also Hawaii State Department of Business, Economic Development & Tourism, *An Analysis of Consumer Debt: How does Hawaii Compare with the Nation?* (May 2017) <http://files.hawaii.gov/dbedt/economic/reports/consumer_debt_final.pdf>]

Year 1/	Auto loan delinquency	Credit card delinquency	Mortgage delinquency	Student loan delinquency
Hawaii				
1999	1.87	5.87	2.13	5.51
2000	2.34	5.50	1.52	8.27
2001	1.96	6.44	1.17	15.18
2002	1.82	7.83	0.75	8.08
2003	1.90	7.67	0.58	4.64
2004	2.08	7.44	0.42	6.32
2005	1.74	7.23	0.30	6.88
2006	1.53	7.63	0.67	6.78
2007	2.26	7.78	1.38	7.80
2008	2.97	7.87	3.34	7.36
2009	3.93	10.47	7.24	10.67
2010	4.39	11.78	6.67	12.89
2011	3.77	10.29	6.07	7.96
2012	3.69	9.63	5.66	11.17
2013	2.53	8.77	4.47	11.53
2014	2.42	6.34	3.39	11.03
2015	2.64	6.97	2.78	9.59
2016	2.68	6.02	1.57	9.98
2017 2/	3.34	6.20	1.30	9.93
2018	3.71	6.24	1.09	9.15
U. S. average 3/				
1999	2.17	6.03	0.93	(NA)
2000	2.17	5.97	0.96	(NA)
2001	2.26	7.30	1.18	(NA)
2002	2.28	8.93	1.21	(NA)
2003	2.21	9.17	1.14	(NA)
2004	2.47	9.02	1.04	(NA)
2005	2.13	8.41	0.94	(NA)
2006	2.56	9.58	1.28	(NA)
2007	3.08	9.30	2.89	(NA)
2008	3.92	9.84	5.40	(NA)
2009	4.83	12.83	8.66	(NA)
2010	5.24	13.31	7.89	(NA)
2011	4.78	11.29	6.85	(NA)
2012	3.97	10.57	5.57	(NA)
2013	3.45	9.61	3.97	(NA)
2014	3.48	7.35	3.03	(NA)
2015	3.32	7.61	2.15	(NA)
2016	3.75	7.23	1.53	(NA)
2017 2/	4.03	7.51	1.22	(NA)
2018	4.41	7.58	1.04	(NA)

Continued on next page.

**Table 13.44-- HOUSEHOLD DEBT DELINQUENCY PER CAPITA FOR
HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2018 -- Con.**

NA Not available.

1/ For the fourth quarter of the year indicated.

2/ For Hawaii 'Mortgage loan delinquency' and 'Student loan delinquency' and for the United States
Mortgage loan delinquency' revised from previous *Data Book*.

3/ Data include Puerto Rico but exclude other U.S. Territories such as Guam and the U.S. Virgin Islands,
as well as certain other areas.

Source: Federal Reserve Bank of New York, "State Level Household Debt Statistics 1999-2016"

(May 2017) accessed June 13, 2017; and Ibid. 2003-2018 (March 2019)

<https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx>
accessed July 7, 2019.

Table 13.45-- HOUSEHOLD DEBT PER CAPITA FOR EACH OF THE 50 STATES, THE DISTRICT OF COLUMBIA, PUERTO RICO, AND THE UNITED STATES AVERAGE: 2018

[Data subject to sampling variation. Population for per capita calculations are those ages 18 years and older and with credit file with Equifax. See also Hawaii State Department of Business, Economic Development & Tourism, *An Analysis of Consumer Debt: How does Hawaii Compare with the Nation?* (May 2017) <http://files.hawaii.gov/dbedt/economic/reports/consumer_debt_final.pdf>]

Year 1/	Rank 2/	Total 3/	Auto loan	Credit card	Mortgage	Student loan
U. S. average 4/	(X)	50,090	4,700	3,220	33,680	5,390
Dist. of Columbia	1	86,730	3,010	4,180	63,430	13,320
Hawaii	2	72,590	3,860	4,060	54,980	3,780
California	3	71,860	4,580	3,610	55,920	4,530
Colorado	4	71,340	4,760	3,670	53,250	6,180
Maryland	5	71,120	5,160	3,910	51,590	6,740
Virginia	6	65,480	4,680	3,860	47,570	5,820
Washington	7	65,390	4,450	3,510	49,320	4,270
Massachusetts	8	64,680	3,910	3,600	47,140	6,140
Connecticut	9	59,330	3,680	3,870	41,980	5,890
Utah	10	59,320	5,220	3,050	43,310	4,350
New Jersey	11	58,590	4,020	4,040	40,630	6,090
Alaska	12	58,550	4,920	4,350	41,960	4,030
New Hampshire	13	55,650	5,360	3,530	36,760	5,860
Oregon	14	55,090	3,950	3,070	39,420	5,760
Delaware	15	54,200	4,850	3,340	37,250	6,040
Minnesota	16	54,190	4,130	3,290	37,460	6,280
Arizona	17	53,060	5,200	3,310	36,690	5,170
Nevada	18	52,770	5,260	3,390	37,350	4,170
Rhode Island	19	49,940	3,740	3,360	33,830	5,390
New York	20	49,680	3,700	3,840	32,620	6,090
Georgia	21	48,370	5,480	3,270	29,350	7,250
Idaho	22	48,260	4,610	2,830	32,360	5,050
Illinois	23	46,810	4,220	3,240	30,960	5,800
Wyoming	24	46,410	5,250	3,000	32,030	3,610
North Carolina	25	45,840	5,040	2,990	29,120	5,240
Florida	26	45,300	5,200	3,480	28,350	4,940
Vermont	27	45,270	5,050	3,090	28,260	5,480
Montana	28	44,960	4,240	2,940	30,220	4,670
North Dakota	29	44,140	5,290	3,100	27,470	5,510
South Carolina	30	43,880	4,780	2,830	27,000	5,870
Texas	31	43,660	6,720	3,270	26,330	4,970
Pennsylvania	32	42,440	4,150	3,120	25,480	6,210

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**Table 13.45-- HOUSEHOLD DEBT PER CAPITA FOR EACH OF THE 50 STATES
THE DISTRICT OF COLUMBIA, PUERTO RICO, AND THE UNITED STATES
AVERAGE: 2018 -- Con.**

Year 1/	Rank 2/	Total 3/	Auto loan	Credit card	Mortgage	Student loan
Maine	33	42,230	4,490	2,830	26,090	5,340
South Dakota	34	41,880	4,520	2,840	25,850	5,170
Tennessee	35	40,370	4,620	2,570	24,850	5,050
Nebraska	36	40,310	4,160	2,870	25,680	5,080
Iowa	37	40,110	4,530	2,530	25,350	5,300
Wisconsin	38	40,060	3,790	2,660	26,310	4,850
New Mexico	39	39,650	5,420	2,740	24,990	4,070
Missouri	40	39,060	4,320	2,690	24,150	5,270
Louisiana	41	38,160	5,760	2,530	21,580	5,360
Kansas	42	38,120	4,120	2,830	23,690	5,480
Ohio	43	37,990	4,370	2,750	21,810	6,220
Indiana	44	37,750	4,270	2,570	22,880	5,300
Michigan	45	37,590	3,770	2,710	22,630	5,800
Alabama	46	36,780	4,960	2,420	21,140	4,920
Oklahoma	47	34,370	5,350	2,590	19,740	4,540
Kentucky	48	34,010	3,950	2,330	19,840	4,870
Arkansas	49	32,790	5,380	2,410	18,260	4,330
Mississippi	50	32,100	5,010	2,110	15,710	5,870
West Virginia	51	29,430	4,680	2,240	15,430	4,020
Puerto Rico	(X)	(NA)	(X)	(NA)	(X)	(NA)

NA Not available.

X Not applicable.

1/ For the fourth quarter of the year indicated.

2/ Rank of 1 is assigned to the highest total per capita household debt.

3/ Includes components not shown separately.

4/ Data included Puerto Rico through 2016 but exclude other U.S. Territories like Guam and the U.S. Virgin Islands, as well as certain other areas.

Source: Federal Reserve Bank of New York, "State Level Household Debt Statistics 2003-2018 (March 2019) <https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx> accessed July 7, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table
Number **Table Name**

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Narrative

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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 14.01-- IMPLICIT PRICE DEFLATOR FOR GROSS DOMESTIC PRODUCT
FOR HAWAII AND UNITED STATES: 1977 TO 2018**

[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 2017 (see Table 13.03) but Real (Chained- 2012 dollar) GDP is not available before 1977. NAICS 1997 to 2017 are revised from previous *Data Book*]

Year	Hawaii	United States	Year	Hawaii	United States
SIC 1997 = 100.000 1/			NAICS 2012 = 100.000 1/		
1977	39.869	43.908	1997	67.629	74.445
1978	42.709	47.070	1998	69.213	75.283
1979	45.917	50.709	1999	71.129	76.370
1980	50.001	55.286	2000	73.559	78.078
1981	54.925	60.636	2001	76.571	79.790
1982	58.586	64.520	2002	78.476	81.052
1983	61.794	67.291	2003	80.425	82.557
1984	66.022	70.255	2004	82.802	84.780
1985	69.135	72.345	2005	85.565	87.421
1986	72.403	74.497	2006	88.583	90.066
1987	74.971	76.506	2007	91.631	92.486
1988	77.483	78.970	2008	93.270	94.285
1989	80.308	82.050	2009	95.075	95.004
1990	83.047	85.140	2010	96.043	96.111
1991	86.420	88.154	2011	97.784	98.118
1992	88.478	90.322	2012	100.000	100.000
1993	91.482	92.824	2013	102.034	101.755
1994	93.343	94.848	2014	104.655	103.680
1995	95.477	96.820	2015	107.438	104.789
1996	97.425	98.453	2016	109.028	105.935
1997	100.000	100.000	2017	111.308	107.948
			2018	113.897	110.382

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 2016.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (May 1, 2019) <http://www.bea.gov/iTable/index_regional.cfm> accessed May 6, 2019; 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: 2009 TO 2017**

[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. 2014 and 2015 revised from previous *Data Book*]

State	2009	2010	2011	2012	2013	2014	2015	2016	2017
Hawaii									
All items	118.1	117.1	117.2	116.9	117.8	118.3	118.4	119.2	118.5
Goods	106.1	106.8	107.1	108.5	109.3	109.3	109.5	110.5	111.3
Services: rents	167.5	164.6	159.2	157.3	159.1	159.3	159.0	163.4	157.3
Services: other	109.3	106.6	104.2	103.0	103.7	104.7	104.5	104.1	103.1
Alabama	87.6	87.5	87.9	87.7	88.1	87.8	87.1	86.8	86.7
Alaska	106.9	106.9	105.5	105.1	105.4	104.9	106.3	105.5	105.1
Arizona	100.6	100.1	98.6	97.9	97.1	96.5	96.0	96.1	96.1
Arkansas	86.9	86.6	87.7	87.6	87.8	87.8	86.9	87.4	87.0
California	113.1	112.9	113.6	113.4	112.9	113.1	113.7	113.8	114.5
Colorado	100.4	101.1	100.9	101.4	101.1	102.1	102.0	102.3	102.7
Connecticut	110.7	110.4	109.4	109.0	109.2	108.5	108.6	108.5	108.4
Delaware	102.0	103.2	102.8	101.8	101.2	100.6	101.1	100.0	100.1
Dist. of Columbia	115.6	116.4	118.2	117.8	117.7	117.0	118.2	116.8	115.4
Florida	100.8	100.0	99.1	99.2	99.1	99.2	99.4	99.5	99.8
Georgia	93.5	93.1	92.3	91.9	92.2	92.3	92.0	92.8	92.4
Hawaii	118.1	117.1	117.2	116.9	117.8	118.3	118.4	119.2	118.5
Idaho	95.2	94.8	93.5	93.3	93.4	93.2	93.6	93.3	92.9
Illinois	100.2	100.9	100.9	101.1	100.7	99.7	99.3	99.0	98.7
Indiana	91.2	91.4	91.4	91.7	91.4	91.3	90.8	90.1	89.8
Iowa	88.6	89.0	89.2	90.0	90.2	90.6	90.3	89.9	89.8
Kansas	89.3	89.6	89.9	90.7	90.6	91.3	90.9	90.2	90.1
Kentucky	88.9	88.7	88.6	88.6	88.8	89.3	88.3	88.7	87.9
Louisiana	90.7	91.4	91.2	91.0	91.4	91.2	90.9	90.5	90.4
Maine	98.0	98.1	96.8	97.4	98.4	98.5	98.0	99.1	98.8
Maryland	110.3	111.3	111.0	110.9	110.1	109.9	110.2	109.6	109.4
Massachusetts	108.3	108.0	108.0	107.8	106.6	106.7	107.3	107.6	108.1
Michigan	95.4	95.2	94.7	94.6	94.5	94.3	93.6	93.0	93.0
Minnesota	97.4	97.7	97.1	97.2	97.6	97.5	97.5	97.2	97.3
Mississippi	86.4	85.8	86.7	86.8	86.5	87.2	86.2	86.2	86.5
Missouri	87.8	87.9	88.3	89.1	89.3	89.9	89.8	89.6	89.5
Montana	95.3	94.5	93.9	93.8	93.5	94.6	94.7	95.1	94.1

Continued on next page.

**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE,
AND FOR HAWAII, BY COMPONENT: 2009 TO 2017 -- Con.**

State	2009	2010	2011	2012	2013	2014	2015	2016	2017
Nebraska	89.7	89.6	90.3	90.3	90.6	90.7	90.5	90.2	90.0
Nevada	100.8	100.7	99.9	99.8	98.7	98.7	97.5	97.3	97.1
New Hampshire	107.2	106.4	106.5	105.3	105.6	105.4	105.7	105.7	106.1
New Jersey	112.9	113.3	114.1	114.6	114.4	113.4	113.8	113.4	113.3
New Mexico	94.4	94.4	94.6	95.3	95.0	95.3	94.7	93.8	93.3
New York	115.1	115.3	115.2	115.2	115.3	115.2	115.7	115.8	116.1
North Carolina	92.0	92.1	91.3	91.5	91.7	91.8	91.4	91.2	91.0
North Dakota	88.5	89.0	89.2	89.7	91.0	91.7	91.6	92.0	91.1
Ohio	90.0	89.3	89.8	89.7	89.4	89.5	89.4	89.2	89.1
Oklahoma	88.9	89.5	89.6	89.6	89.9	90.0	89.5	89.8	89.1
Oregon	98.3	98.9	98.5	98.5	98.7	98.9	98.8	98.5	99.4
Pennsylvania	98.2	98.2	98.5	98.4	98.4	98.6	98.1	98.2	98.5
Rhode Island	100.2	100.0	99.1	99.4	98.8	98.8	99.8	99.9	100.0
South Carolina	91.1	91.5	90.4	90.8	90.8	90.5	90.0	90.3	90.4
South Dakota	86.9	85.8	86.9	87.3	88.9	88.0	88.0	88.0	88.0
Tennessee	90.5	90.5	90.2	90.3	90.8	90.7	89.8	89.9	90.3
Texas	96.5	96.4	96.3	96.2	96.2	96.3	96.5	96.7	96.8
Utah	96.8	97.8	96.9	97.2	97.1	97.7	96.8	96.4	97.1
Vermont	100.4	100.6	99.5	99.9	100.8	100.9	102.5	102.7	102.0
Virginia	102.8	103.5	103.1	103.0	103.0	102.8	102.7	102.6	102.2
Washington	103.2	103.7	103.0	102.9	103.5	104.2	104.9	105.2	105.8
West Virginia	87.0	87.5	88.4	88.5	88.6	88.6	88.2	88.7	87.6
Wisconsin	93.0	92.9	92.8	93.3	93.5	93.2	93.3	93.0	92.5
Wyoming	96.1	96.1	95.9	96.7	95.8	96.0	96.8	96.4	96.7

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (May 16, 2019)
 <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 12, 2019. See also
 "Real Personal Income for States and Metropolitan Areas, 2017"
 <<https://www.bea.gov/system/files/2019-05/rpp0519.pdf>>.

**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE:
2009 TO 2017**

[Calculated as personal income divided by real personal income. Base year has been shifted to 2012 from 2009 and 2015 and 2016 have been revised from previous *Data Book*]

State	2009	2010	2011	2012	2013	2014	2015	2016	2017
Alabama	82.3	82.1	84.0	85.8	87.9	88.8	89.4	89.3	90.0
Alaska	100.4	100.3	100.7	102.9	105.2	106.1	109.2	108.6	109.2
Arizona	94.5	93.9	94.1	95.8	97.0	97.6	98.5	98.9	99.8
Arkansas	81.7	81.3	83.7	85.8	87.6	88.8	89.2	89.9	90.4
California	106.2	105.9	108.5	111.0	112.7	114.4	116.8	117.1	119.0
Colorado	94.3	94.8	96.4	99.3	101.0	103.2	104.7	105.2	106.7
Connecticut	103.9	103.5	104.5	106.7	109.0	109.8	111.6	111.6	112.7
Delaware	95.8	96.8	98.2	99.7	101.0	101.8	103.9	102.9	104.0
Dist. of Col.	108.6	109.2	112.9	115.3	117.5	118.4	121.4	120.2	119.9
Florida	94.7	93.8	94.6	97.2	98.9	100.4	102.1	102.4	103.7
Georgia	87.9	87.3	88.1	90.0	92.0	93.4	94.5	95.5	96.0
Hawaii	111.0	109.8	111.9	114.5	117.6	119.7	121.5	122.7	123.2
Idaho	89.4	88.9	89.3	91.4	93.2	94.3	96.1	96.0	96.5
Illinois	94.1	94.7	96.3	99.0	100.5	100.9	101.9	101.9	102.5
Indiana	85.7	85.7	87.3	89.8	91.2	92.4	93.3	92.7	93.3
Iowa	83.2	83.5	85.2	88.1	90.0	91.6	92.8	92.6	93.3
Kansas	83.9	84.1	85.9	88.8	90.5	92.3	93.3	92.8	93.6
Kentucky	83.5	83.2	84.6	86.7	88.7	90.3	90.6	91.3	91.3
Louisiana	85.2	85.7	87.1	89.1	91.2	92.2	93.4	93.2	93.9
Maine	92.0	92.0	92.5	95.3	98.2	99.6	100.7	102.0	102.6
Maryland	103.6	104.4	106.0	108.6	109.9	111.2	113.2	112.8	113.6
Massachusetts	101.7	101.3	103.1	105.5	106.4	107.9	110.2	110.7	112.3
Michigan	89.6	89.3	90.4	92.6	94.3	95.3	96.1	95.7	96.6
Minnesota	91.4	91.7	92.8	95.2	97.4	98.7	100.1	100.0	101.1
Mississippi	81.1	80.5	82.7	85.0	86.4	88.2	88.5	88.7	89.8
Missouri	82.5	82.4	84.3	87.2	89.2	90.9	92.2	92.2	93.0
Montana	89.5	88.6	89.7	91.8	93.4	95.7	97.3	97.9	97.8
Nebraska	84.2	84.1	86.2	88.3	90.5	91.7	93.0	92.8	93.5
Nevada	94.6	94.4	95.4	97.7	98.6	99.8	100.1	100.1	100.9
New Hampshire	100.7	99.8	101.7	103.1	105.4	106.7	108.6	108.8	110.2
New Jersey	106.0	106.3	108.9	112.2	114.2	114.7	116.9	116.7	117.7
New Mexico	88.7	88.6	90.4	93.3	94.9	96.4	97.3	96.6	96.9
New York	108.1	108.2	110.0	112.8	115.1	116.5	118.8	119.2	120.6
North Carolina	86.4	86.4	87.2	89.5	91.5	92.9	93.8	93.8	94.5
North Dakota	83.1	83.5	85.2	87.8	90.8	92.8	94.1	94.7	94.6
Ohio	84.5	83.7	85.7	87.8	89.2	90.5	91.8	91.8	92.6
Oklahoma	83.5	84.0	85.6	87.7	89.8	91.0	91.9	92.4	92.5
Oregon	92.3	92.8	94.1	96.5	98.5	100.0	101.5	101.4	103.3

Continued on next page.

**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE:
2009 TO 2017 -- Con.**

State	2009	2010	2011	2012	2013	2014	2015	2016	2017
Pennsylvania	92.3	92.1	94.1	96.3	98.2	99.8	100.8	101.1	102.3
Rhode Island	94.1	93.8	94.7	97.3	98.6	99.9	102.5	102.8	103.9
South Carolina	85.6	85.8	86.4	88.8	90.7	91.6	92.4	93.0	94.0
South Dakota	81.6	80.5	83.0	85.4	88.7	89.0	90.4	90.5	91.4
Tennessee	85.0	84.9	86.1	88.4	90.6	91.8	92.2	92.5	93.8
Texas	90.6	90.5	91.9	94.2	96.0	97.4	99.1	99.6	100.6
Utah	91.0	91.7	92.5	95.2	97.0	98.8	99.4	99.2	100.9
Vermont	94.3	94.4	95.0	97.8	100.7	102.1	105.3	105.7	106.0
Virginia	96.6	97.1	98.4	100.9	102.8	104.0	105.5	105.6	106.2
Washington	97.0	97.3	98.3	100.7	103.3	105.4	107.8	108.2	109.9
West Virginia	81.7	82.1	84.4	86.7	88.4	89.6	90.6	91.3	91.0
Wisconsin	87.3	87.1	88.6	91.3	93.4	94.3	95.9	95.7	96.1
Wyoming	90.3	90.1	91.6	94.7	95.6	97.1	99.4	99.2	100.4

Source: U.S. Bureau of Economic Analysis, Real State Personal Income (May 16, 2019)
<<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 14, 2019. See also "Real Personal Income for States and Metropolitan Areas, 2017" <<https://www.bea.gov/system/files/2019-05/rpp0519.pdf>>.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS,
ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES: 1940 TO 2018**

[1982-1984 average = 100. Excludes rent before 1963. U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007]

Year	Urban Hawaii 1/		United States		Year	Urban Hawaii 1/		United States	
	Annual average	Percent chg. 2/	Annual average	Percent chg. 2/		Annual average	Percent chg. 2/	Annual average	Percent chg. 2/
1940	14.7	(X)	14.0	0.7	1980	83.0	11.7	82.4	13.5
1941	15.5	5.4	14.7	5.0	1981	91.7	10.5	90.9	10.3
1942	17.6	13.5	16.3	10.9	1982	97.2	6.0	96.5	6.2
1943	18.9	7.4	17.3	6.1	1983	99.3	2.2	99.6	3.2
1944	19.2	1.6	17.6	1.7	1984	103.5	4.2	103.9	4.3
1945	19.7	2.6	18.0	2.3	1985	106.8	3.2	107.6	3.6
1946	21.0	6.6	19.5	8.3	1986	109.4	2.4	109.6	1.9
1947	24.4	16.2	22.3	14.4	1987	114.9	5.0	113.6	3.6
1948	25.7	5.3	24.1	8.1	1988	121.7	5.9	118.3	4.1
1949	25.2	-1.9	23.8	-1.2	1989	128.7	5.8	124.0	4.8
1950	24.3	-3.6	24.1	1.3	1990	138.1	7.3	130.7	5.4
1951	25.7	5.8	26.0	7.9	1991	148.0	7.2	136.2	4.2
1952	26.5	3.1	26.5	1.9	1992	155.1	4.8	140.3	3.0
1953	26.7	0.8	26.7	0.8	1993	160.1	3.2	144.5	3.0
1954	26.9	0.7	26.9	0.7	1994	164.5	2.7	148.2	2.6
1955	27.3	1.5	26.8	-0.4	1995	168.1	2.2	152.4	2.8
1956	27.7	1.5	27.2	1.5	1996	170.7	1.5	156.9	3.0
1957	28.6	3.2	28.1	3.3	1997	171.9	0.7	160.5	2.3
1958	30.0	4.9	28.9	2.8	1998	171.5	-0.2	163.0	1.6
1959	30.5	1.7	29.1	0.7	1999	173.3	1.0	166.6	2.2
1960	31.3	2.6	29.6	1.7	2000	176.3	1.7	172.2	3.4
1961	32.1	2.6	29.9	1.0	2001	178.4	1.2	177.1	2.8
1962	32.8	2.2	30.2	1.0	2002	180.3	1.1	179.9	1.6
1963	33.5	2.1	30.6	1.3	2003	184.5	2.3	184.0	2.3
1964	33.7	0.6	31.0	1.3	2004	190.6	3.3	188.9	2.7
1965	34.4	2.1	31.5	1.6	2005	197.8	3.8	195.3	3.4
1966	35.3	2.6	32.4	2.9	2006	209.4	5.9	201.6	3.2
1967	36.3	2.8	33.4	3.1	2007	219.504	4.8	207.342	2.8
1968	37.7	3.9	34.8	4.2	2008	228.861	4.3	215.303	3.8
1969	39.4	4.5	36.7	5.5	2009	230.048	0.5	214.537	-0.4
1970	41.5	5.3	38.8	5.7	2010	234.869	2.1	218.056	1.6
1971	43.2	4.1	40.5	4.4	2011	243.622	3.7	224.939	3.2
1972	44.6	3.2	41.8	3.2	2012	249.474	2.4	229.594	2.1
1973	46.6	4.5	44.4	6.2	2013	253.924	1.8	232.957	1.5
1974	51.5	10.5	49.3	11.0	2014	257.589	1.4	236.736	1.6
1975	56.3	9.3	53.8	9.1	2015	260.165	1.0	237.017	0.1
1976	59.1	5.0	56.9	5.8	2016	265.283	2.0	240.007	1.3
1977	62.1	5.1	60.6	6.5	2017	272.014	2.5	245.120	2.1
1978	66.9	7.7	65.2	7.6	2018	277.078	1.9	251.107	2.4
1979	74.3	11.1	72.6	11.3					

Continued on next page.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS,
ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES:
1940 TO 2018 -- Con.**

X Not applicable.

1/ U.S. Bureau of Labor Statistics introduced a new geographic area sample in January 2018 and expanded compilation from semi-annual to bimonthly and changed the name from 'Honolulu' to 'Urban Hawaii'.

Despite the name change, the index still consists of Honolulu in the State of Hawaii.

See also "Consumer Price Index Geographic Revision for 2018"

<<https://www.bls.gov/cpi/additional-resources/geographic-revision-2018.htm>> accessed January 12, 2019.

2/ Percent change from previous year.

Source: 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; U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers [CPI-U] Urban Hawaii and the United States <<http://www.bls.gov/cpi/home.htm>> accessed January 11, 2019.

Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR URBAN HAWAII: SEMI-ANNUAL AND ANNUAL AVERAGE, 1984 TO 2018

[U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007, introduced a new geographic area sample in January 2018 and expanded compilation from semi-annual to bimonthly and changed the name from 'Honolulu' to 'Urban Hawaii'. Despite the name change, the index still consists of Honolulu in the State of Hawaii. See also "Consumer Price Index Geographic Revision for 2018" <<https://www.bls.gov/cpi/additional-resources/geographic-revision-2018.htm>> accessed January 12, 2019]

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
Index number, 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
2016	265.283	264.038	266.528	260.326	258.879	261.772
2017	272.014	270.738	273.290	267.115	265.787	268.444
2018	277.078	275.196	278.960	273.483	271.610	275.355

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Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR URBAN HAWAII: SEMI-ANNUAL AND ANNUAL AVERAGE, 1984 TO 2018 -- 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
2016	2.0	2.4	1.5	1.7	1.9	1.5
2017	2.5	2.5	2.5	2.6	2.7	2.5
2018	1.9	1.6	2.1	2.4	2.2	2.6

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>> and, for 2009 to 2018,

<https://www.bls.gov/regions/west/data/cpi_tables.pdf> accessed January 11, 2019.

**Table 14.06-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U),
BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP,
FOR URBAN HAWAII: ANNUAL AVERAGE, 2015 TO 2018**

[Unless otherwise specified, 1982-1984 =100. U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007, introduced a new geographic area sample in January 2018 and expanded release from semi-annual to bimonthly and changed the name from 'Honolulu' to 'Urban Hawaii'. Despite the name change, the index still consists of Honolulu in the State of Hawaii. See also "Consumer Price Index Geographic Revision for 2018" <<https://www.bls.gov/cpi/additional-resources/geographic-revision-2018.htm>> accessed January 12, 2019]

Group	2015	2016	2017	2018
All items	260.165	265.283	272.014	277.078
Food and beverages	267.041	272.051	277.301	281.796
Food	267.643	272.998	278.202	282.565
Food at home	267.011	267.579	273.253	273.914
Food away from home	262.972	273.003	277.624	285.602
Alcoholic beverages	255.672	254.162	260.376	267.326
Housing	276.047	283.565	294.510	300.679
Shelter	298.217	309.116	322.017	327.066
Rent of primary residence	295.635	303.583	313.704	319.242
Owners' equiv. rent of prim. res. 1/	308.127	320.863	335.159	339.871
Fuel and utilities	329.285	318.341	334.333	362.400
Household energy 2/	267.540	243.208	263.579	295.374
Energy services 3/	262.786	238.477	259.124	290.309
Electricity	260.267	236.276	256.980	287.790
Utility (piped) gas service	267.090	235.752	252.444	286.182
Household furnishings & operation	149.060	148.734	146.275	146.797
Household furn. and supplies 4/	87.882	86.918	85.087	84.020
Apparel	108.893	111.736	115.762	110.259
Transportation	216.756	211.645	217.646	227.694
Private transportation	212.590	203.453	213.267	224.967
Transp. comm. less motor fuel 4/	105.039	103.473	105.172	103.337
Motor fuel	229.138	198.214	227.755	265.785
Gasoline (all types)	235.085	203.309	233.622	272.733
Gasoline, unleaded regular 5/	247.260	212.986	244.414	285.428
Gasoline, unleaded midgrade 5/ 6/	189.913	164.233	189.983	224.844
Gasoline, unleaded premium 5/	209.894	183.356	212.037	246.398
Medical care	378.876	400.408	407.384	(NA)
Education and communication 7/	147.869	149.785	144.410	142.193
Educ. and comm. commodities 4/	85.036	78.951	73.630	74.451
Educ. and comm. services 4/	121.705	124.149	119.986	117.907
Recreation 7/	121.840	124.872	125.781	128.651
Other goods and services	478.634	484.820	488.990	497.228
Other goods 4/	118.403	119.086	119.212	117.796
Other personal services 4/	118.393	120.870	123.163	128.386

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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 URBAN HAWAII: ANNUAL AVERAGE, 2015 TO 2018 -- Con.**

Group	2015	2016	2017	2018
Commodity and service group				
All items	260.165	265.283	272.014	277.078
Commodities	197.792	197.263	201.985	204.871
Commodities less food & bev.	154.989	151.538	155.984	157.835
Nondurables less food & bev.	189.890	185.364	193.660	199.273
Durables	116.371	114.021	114.055	112.614
Services	314.368	324.441	332.966	340.140
Special aggregate indexes				
All items less shelter	243.833	246.306	250.295	255.550
All items less medical care	253.811	258.001	264.714	269.515
All items less energy	262.680	269.892	275.658	278.742
Energy	245.410	217.256	242.100	276.671
All items less food and energy	263.255	271.023	276.976	279.886
Commodities less food	158.807	155.419	159.942	161.936
Nondurables less food	193.935	189.629	197.834	203.537
Nondurables	230.105	230.373	236.927	242.000
Services less rent of shelter 1/	335.192	343.671	345.072	355.547
Services less medical care services	307.041	316.432	325.378	332.290

NA Not available.

1/ Indexes on a December 1982=100 base.

2/ Historically and as returned via the online database called 'Fuels'.

3/ Historically and as returned via the online database 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 11, 2019.

**Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR
HONOLULU AND THE UNITED STATES: DECEMBER 2017 AND 2018**

[Percent of all items. 2017 and 2018 based on the 2015-2016 weights in the Consumer Expenditure Survey. See also "Archived Relative Importance of Components in the Consumer Price Indexes" <<https://www.bls.gov/cpi/tables/relative-importance/home.htm>>]

Group	2017 CPI-U		2018 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
Relative importance of area	0.475	100.000	0.475	100.000
EXPENDITURE CATEGORY				
All items	100.000	100.000	100.000	100.000
Food and beverages	15.696	14.359	15.693	14.314
Food	14.963	13.384	14.953	13.341
Food at home	7.672	7.382	7.636	7.286
Cereals and bakery products	(NA)	0.964	(NA)	0.962
Meats, poultry, fish, and eggs	(NA)	1.635	(NA)	1.597
Meats, poultry, and fish	(NA)	1.538	(NA)	1.504
Dairy and related products	(NA)	0.744	(NA)	0.729
Fruits and vegetables	(NA)	1.302	(NA)	1.298
Other food at home	(NA)	1.864	(NA)	1.832
Food away from home	7.290	6.002	7.317	6.055
Alcoholic beverages	0.733	0.974	0.740	0.973
Housing	47.699	41.772	48.074	42.202
Shelter	40.225	32.843	40.133	33.259
Rent of primary residence	12.758	7.823	12.682	7.943
Tenants' and household insurance	(NA)	0.375	(NA)	0.375
Owners' equivalent rent of residences	26.242	23.747	26.146	24.054
Owners' equivalent rent of primary res.	25.426	22.422	25.333	22.711
Lodging away from home	(NA)	0.898	(NA)	0.887
Fuels and utilities	4.163	4.679	4.643	4.686
Household energy	2.695	3.605	3.154	3.585
Fuel oil and other fuels	(NA)	0.186	(NA)	0.185
Fuel oil	(NA)	0.109	(NA)	0.109
Propane, kerosene, and firewood	(NA)	0.076	(NA)	0.075
Energy services 1/	2.666	3.419	3.126	3.400
Electricity	2.559	2.628	3.006	2.607
Utility (piped) gas service	0.107	0.791	0.120	0.794
Water & sewer & trash collection serv.	(NA)	1.074	(NA)	1.101
Household furnishings and operations	3.311	4.250	3.299	4.257

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**Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR
HONOLULU AND THE UNITED STATES: DECEMBER 2017 AND 2018 -- Con.**

Group	2017 CPI-U		2018 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
EXPENDITURE CATEGORY -- Con.				
Apparel	2.622	3.018	2.373	2.959
Men's and boys' apparel	(NA)	0.737	(NA)	0.735
Women's and girls' apparel	(NA)	1.229	(NA)	1.190
Footwear	(NA)	0.671	(NA)	0.658
Infants' and toddlers' apparel	(NA)	0.134	(NA)	0.138
Jewelry and watches	(NA)	0.247	(NA)	0.237
Transportation	14.001	16.537	13.940	16.348
Private transportation	12.119	15.384	12.028	15.235
Motor fuel	3.284	3.908	3.415	3.762
Gasoline (all types)	3.266	3.823	3.396	3.671
Public transportation 2/	1.882	1.153	1.912	1.113
Medical care	6.207	8.673	6.244	8.682
Medical care commodities 3/	1.367	1.748	1.320	1.707
Medical care services 3/	4.840	6.924	4.924	6.974
Recreation	4.623	5.737	4.704	5.694
Education and communication	6.908	6.707	6.728	6.596
Other goods and services	2.245	3.198	2.244	3.204
Personal care	(NA)	2.547	(NA)	2.544
COMMODITY AND SERVICE GROUP 4/				
All items	100.000	100.000	100.000	100.000
Commodities	33.820	37.327	33.270	36.791
Commodities less food and beverages	18.124	22.968	17.577	22.477
Nondurables less food and beverages	10.397	12.833	10.116	12.524
Durables	7.727	10.135	7.461	9.953
Services	66.180	62.673	66.730	63.209

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Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR HONOLULU AND THE UNITED STATES: DECEMBER 2017 AND 2018 -- Con.

Group	2017 CPI-U		2018 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
SPECIAL AGGREGATE INDEXES 4/				
All items less shelter	59.775	67.157	59.867	66.741
All items less medical care	93.793	91.327	93.756	91.318
All items less energy	94.021	92.487	93.431	92.653
All items less food and energy	79.058	79.103	78.478	79.312
Energy	5.979	7.513	6.569	7.347
Commodities less food	18.857	23.942	18.317	23.450
Nondurables less food	11.130	13.808	10.856	13.497
Nondurables	26.093	27.192	25.810	26.838
Services less rent of shelter	26.128	30.205	26.767	30.325
Rent of shelter 5/	40.052	32.468	39.963	32.884
Services less medical care services	61.340	55.749	61.806	56.235

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 <<https://www.bls.gov/cpi/tables/relative-importance/home.htm>> accessed January 11, 2019.

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: 2017

[Data based on sample. Rank of 1 indicates highest percentage. Areas sorted in order of highest rank in 2017]

Area	Amount (dollars)	Percentage of household income in past 12 months		Area	Amount (dollars)	Percentage of household income in past 12 months	
		Number	Rank			Number	Rank
United States	982	29.8	(X)				
Florida	1,077	33.3	1	Alabama	747	28.9	26
Hawaii	1,507	33.2	2	Pennsylvania	885	28.8	27
Louisiana	825	33.0	3	New Hampshire	1,052	28.7	28
California	1,358	32.7	4	Virginia	1,166	28.7	28
Puerto Rico	464	32.1	(X)	North Carolina	844	28.5	30
New York	1,194	31.5	5	Rhode Island	957	28.5	30
Colorado	1,125	30.9	6	Idaho	792	28.4	32
New Jersey	1,249	30.9	6	Minnesota	906	28.4	32
Oregon	988	30.9	8	Tennessee	808	28.3	34
Connecticut	1,123	30.7	9	Indiana	782	28.2	35
Vermont	945	30.3	10	Alaska	1,200	28.1	36
South Carolina	836	30.2	11	Maine	808	28.0	37
Maryland	1,311	30.0	12	Oklahoma	766	27.9	38
Massachusetts	1,173	29.7	13	Missouri	784	27.7	39
New Mexico	809	29.6	14	Arkansas	709	27.6	40
Delaware	1,076	29.5	15	Utah	948	27.6	40
Illinois	952	29.4	16	Kansas	801	27.5	42
West Virginia	681	29.4	16	Montana	751	27.5	42
Arizona	972	29.2	18	Ohio	764	27.5	42
Dist. of Columbia	1,424	29.2	18	Kentucky	713	27.3	45
Michigan	824	29.2	18	Wisconsin	813	27.2	46
Mississippi	740	29.2	18	Wyoming	828	27.1	47
Texas	952	29.2	18	Iowa	740	26.4	48
Washington	1,120	29.2	18	South Dakota	696	25.7	49
Georgia	927	29.1	24	Nebraska	773	25.2	50
Nevada	1,017	29.1	24	North Dakota	775	24.9	51

X Not applicable.

Source: U.S. Census Bureau, 2016 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 June 7, 2019 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, HAWAII AND THE UNITED STATES: 2015 TO 2017

[Data based on a sample]

Category	Hawaii	United States
Specified owner-occupied		
2015	252,435	74,506,512
2016	260,626	75,022,569
2017	268,078	76,684,018
Specified owner-occupied with a mortgage		
2015: Number	166,018	47,140,736
Percent	65.8	63.3
2016: Number	171,834	47,295,137
Percent	65.9	63.0
2017: Number	172,214	48,168,243
Percent	64.2	62.8
Specified owner-occupied without a mortgage		
2015: Number	86,417	27,365,776
Percent	34.2	36.7
2016: Number	88,792	27,727,432
Percent	34.1	37.0
2017: Number	95,864	28,515,775
Percent	35.8	37.2
Median selected monthly owner costs (in dollars)		
With a mortgage: 2015	2,248	1,477
2016	2,239	1,486
2017	2,337	1,513
Without a mortgage: 2015	490	468
2016	492	466
2017	497	475
Median selected monthly owner costs as a percentage of		
With a mortgage: 2015	25.7	22.0
2016	25.4	21.5
2017	25.5	21.2
Without a mortgage: 2015	(1/)	11.7
2016	(1/)	11.4
2017	(1/)	11.3

1/ The median falls in the lowest 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 January 25, 2019; 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, THE DISTRICT OF COLUMBIA, AND PUERTO RICO: 2016 AND 2017

[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	
	2016	2017	2016	2017	2016	2017	2016	2017
United States	1,486	1,513	466	475	21.5	21.2	11.4	11.3
Alabama	1,126	1,123	337	337	19.4	19.1	(1/)	(1/)
Alaska	1,851	1,844	547	591	21.9	21.9	(1/)	11.2
Arizona	1,328	1,365	393	398	21.4	21.2	10.1	(1/)
Arkansas	1,017	1,025	325	328	18.8	18.5	(1/)	(1/)
California	2,188	2,269	546	573	25.4	25.3	11.0	11.2
Colorado	1,597	1,681	437	454	21.4	21.4	(1/)	(1/)
Connecticut	1,997	1,976	819	843	22.6	22.7	14.5	14.6
Delaware	1,463	1,507	438	429	21.2	21.3	(1/)	(1/)
Dist. Of Col.	2,422	2,432	638	683	21.0	21.0	(1/)	(1/)
Florida	1,410	1,423	474	476	23.4	22.9	12.3	12.0
Georgia	1,336	1,341	398	395	20.3	19.8	10.5	(1/)
Hawaii	2,239	2,337	492	497	25.4	25.5	(1/)	(1/)
Idaho	1,168	1,213	348	369	20.6	21.3	(1/)	(1/)
Illinois	1,588	1,603	591	617	21.5	21.3	12.8	12.9
Indiana	1,070	1,089	377	383	18.3	18.1	(1/)	(1/)
Iowa	1,186	1,205	447	457	18.7	18.7	10.8	11.0
Kansas	1,264	1,314	465	483	19.4	19.3	11.2	11.4
Kentucky	1,111	1,123	346	352	19.2	18.8	10.3	10.3
Louisiana	1,214	1,233	318	326	19.8	19.7	(1/)	(1/)
Maine	1,328	1,313	454	469	21.7	20.7	12.8	12.2
Maryland	1,918	1,915	592	596	22.0	21.5	10.9	10.7
Massachusetts	2,069	2,108	736	770	22.5	22.1	14.0	14.0
Michigan	1,215	1,231	462	466	19.4	19.3	12.1	11.9
Minnesota	1,472	1,500	482	503	19.8	19.7	10.6	10.4
Mississippi	1,087	1,090	335	328	20.0	20.1	10.9	10.0
Missouri	1,210	1,207	408	418	19.5	19.0	11.0	10.8
Montana	1,327	1,367	399	421	22.4	21.5	10.6	11.2
Nebraska	1,290	1,334	487	499	19.2	19.5	11.3	11.3
Nevada	1,401	1,428	401	397	22.4	22.0	(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, THE DISTRICT OF COLUMBIA, AND PUERTO RICO: 2016 AND 2017 -- 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	
	2016	2017	2016	2017	2016	2017	2016	2017
New Hampshire	1,821	1,874	743	769	22.4	22.2	15.0	14.1
New Jersey	2,343	2,348	988	1,001	24.7	24.1	17.1	16.1
New Mexico	1,210	1,244	339	340	21.7	21.6	(1/)	(1/)
New York	2,020	2,036	703	726	23.1	22.9	13.5	13.4
North Carolina	1,225	1,242	376	373	20.2	19.6	10.5	10.1
North Dakota	1,318	1,356	421	434	18.2	18.8	(1/)	(1/)
Ohio	1,211	1,214	447	450	19.4	19.0	11.4	11.3
Oklahoma	1,168	1,183	370	382	19.6	19.8	10.0	10.2
Oregon	1,572	1,629	488	528	22.7	23.0	11.8	12.5
Pennsylvania	1,416	1,438	498	509	20.6	20.1	12.7	12.4
Rhode Island	1,740	1,782	687	693	23.3	23.1	14.4	13.7
South Carolina	1,182	1,195	351	351	20.5	19.7	10.3	(1/)
South Dakota	1,239	1,283	453	458	19.4	19.5	10.5	10.2
Tennessee	1,172	1,184	362	367	20.3	19.7	10.1	(1/)
Texas	1,469	1,513	474	484	20.9	20.7	11.3	11.2
Utah	1,437	1,467	403	408	21.0	21.0	(1/)	(1/)
Vermont	1,507	1,527	632	645	23.2	23.2	15.3	15.0
Virginia	1,692	1,718	449	447	21.3	21.2	(1/)	(1/)
Washington	1,727	1,806	531	569	22.5	22.5	11.1	11.3
West Virginia	997	984	307	312	18.4	18.6	(1/)	(1/)
Wisconsin	1,348	1,358	517	526	20.4	19.9	12.6	12.2
Wyoming	1,367	1,386	393	399	20.5	21.0	(1/)	(1/)
Puerto Rico	846	828	138	140	26.9	27.0	(1/)	(1/)

1/ The median falls in the lowest interval of an open-ended distribution.

Source: U.S. Census Bureau, 2016 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)

<<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 25, 2019.

Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2018

[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/	5.73	(X)	32.81	165.78
Idaho	11.93	1	55.13	238.32
Nevada	11.20	2	65.91	166.37
Utah	9.80	3	47.18	321.57
Georgia	8.25	4	42.15	146.71
Arizona	8.17	5	42.31	226.22
Washington	7.94	6	58.91	269.80
Wisconsin	7.64	7	29.55	166.02
Montana	7.39	8	29.05	306.57
Michigan	7.35	9	41.50	133.51
Missouri	7.26	10	30.30	144.47
Mississippi	7.12	11	17.39	109.85
Tennessee	6.86	12	38.33	169.03
Kansas	6.86	13	29.19	151.18
Florida	6.79	14	50.36	212.49
New Hampshire	6.78	15	31.21	157.29
Colorado	6.74	16	56.56	367.80
North Carolina	6.73	17	34.38	148.62
South Carolina	6.71	18	36.55	150.04
Maine	6.62	19	27.81	156.37
Minnesota	6.50	20	31.84	192.78
Oregon	6.35	21	49.37	331.65
Indiana	6.30	22	29.01	113.27
Massachusetts	6.29	23	30.79	193.74
South Dakota	6.19	24	25.61	200.28
Ohio	6.00	25	29.64	105.49
Kentucky	5.81	26	27.21	144.68
Nebraska	5.42	27	28.95	168.01
District of Columbia	5.39	28	44.21	478.83
Hawaii	5.37	29	34.49	165.87
California	5.35	30	41.41	185.28
Texas	5.11	31	38.93	193.66

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 2018 -- Con.

State	One-year (percent)	Rank 1/	Five-year (percent)	Since 1991, 1st quarter (percent)
Rhode Island	5.04	32	32.27	135.33
Pennsylvania	5.02	33	21.07	129.82
Arkansas	4.87	34	20.96	125.10
Alabama	4.60	35	22.57	123.41
Virginia	4.42	36	21.09	163.60
Delaware	4.40	37	14.75	107.95
Iowa	4.37	38	21.44	149.13
New York	4.30	39	21.28	146.83
Wyoming	3.91	40	15.89	248.95
New Mexico	3.73	41	18.89	145.59
Alaska	3.35	42	14.09	163.96
New Jersey	3.32	43	16.41	141.57
Illinois	2.76	44	18.13	105.07
Maryland	2.74	45	15.91	153.21
Vermont	2.63	46	14.32	140.32
Oklahoma	2.04	47	21.00	142.89
Louisiana	1.83	48	17.05	180.65
West Virginia	1.59	49	10.85	113.93
Connecticut	0.93	50	7.43	74.21
North Dakota	0.02	51	16.08	211.10

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 1.1 Percent in Fourth Quarter"

pp. 16-17 (February 26, 2019)

<<https://www.fhfa.gov/AboutUs/Reports/Pages/US-House-Price-Index-Report-4Q-2018.aspx>> accessed April 3, 2019.

**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]

Category	Honolulu	Percent of total	U.S. average	Percent of total	Honolulu indexed to U.S. average
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: 2015 TO 2019

[The CNBC survey scored all 50 states on as many as 66 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 of 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 2019 category weights]

Category	2015			2016			2017			2018			2019		
	Cate- gory wt. 1/	Score	Rank	Cate- gory wt. 1/	Score	Rank	Cate- gory wt. 1/	Score	Rank	Cate- gory wt. 1/	Score	Rank	Cate- gory wt. 1/	Score	Rank
Overall	2,500	945	50	2,500	1,009	49	2,525	998	49	2,500	1,006	47	2,500	941	49
Workforce	400	162	46	400	165	48	450	188	48	425	148	48	450	182	46
Economy	340	123	3/ 42	340	181	25	300	135	35	300	134	33	375	93	47
Infrastructure 2/	350	94	49	350	116	46	400	152	40	400	173	40	350	107	49
Cost of doing bus.	350	45	50	350	45	50	350	49	50	350	70	49	350	50	49
Quality of life	325	310	1	325	295	1	300	268	1	300	264	2	325	297	1
Tech. & innovation	250	93	3/ 36	250	90	38	225	64	45	225	63	42	175	53	40
Education	200	67	45	200	74	43	200	90	30	200	94	31	175	93	26
Business friendliness	160	35	44	160	27	46	150	29	47	150	37	43	175	51	42
Access to capital	50	14	37	50	14	37	100	22	41	100	22	42	75	14	44
Cost of living	75	2	50	75	2	50	50	1	50	50	1	50	50	1	50

1/ Weighting reevaluated for each study. See "America's Top States for Business: Our methodology and sources" for 2015 <<http://www.cnbc.com/id/102701598>> accessed June 26, 2015; for 2016 <<http://www.cnbc.com/2016/06/23/americas-top-states-for-business-2016-our-methodology.html>> accessed July 12, 2016; for 2017 <<http://www.cnbc.com/2017/06/12/heres-how-your-state-can-become-a-cnbc-top-state-for-business.html>> accessed June 30, 2017; and for 2018 <<https://www.cnbc.com/2018/06/13/cnbcs-top-states-for-business-2018-methodology-and-sources.html>> accessed July 10, 2018; and for 2019 <<https://www.cnbc.com/2019/06/08/how-cnbc-chose-americas-top-states-for-business-in-2019.html>> accessed July 24, 2019.

2/ Is variously 'Infrastructure' or 'Infrastructure & transportation'.

3/ Tied with Maine.

Source: CNBC "America's Top Ten States for Business: 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; 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; and for 2017 <<http://www.cnbc.com/2017/07/11/americas-top-states-for-business-2017-overall-ranking.html>> and "Hawaii" <<http://www.cnbc.com/2017/06/12/heres-how-your-state-can-become-a-cnbc-top-state-for-business.html>> accessed July 12, 2017; for 2018 <<https://www.cnbc.com/2018/07/10/americas-top-states-for-business-2018.html>> and "Hawaii" <<https://www.cnbc.com/2018/07/10/top-states-for-business-hawaii.html>> accessed July 10, 2018; for 2019 <<https://www.cnbc.com/americas-top-states-for-business/>> and "Hawaii" <<https://www.cnbc.com/2019/07/09/top-states-for-business-hawaii.html>> accessed July 24, 2019.

**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,
BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA: 2017**

[Data collected during Child Care Aware of America's February 2018 survey of Child Care Resource and Referral State Networks. Some states used the latest state market rate survey]

Area	Child care center			Family child care		
	Infant	4-year-old	School-age 1/	Infant	4-year-old	School-age 1/
Alabama	5,858	5,061	5,516	4,989	5,128	4,948
Alaska	11,832	9,847	6,934	8,917	7,946	5,217
Arizona	10,687	8,344	5,162	7,141	6,789	4,884
Arkansas 2/	6,726	5,348	2,362	5,364	4,944	2,364
California	16,542	11,202	3,736	10,609	9,984	3,845
Colorado	14,960	12,095	(NA)	10,522	9,953	(NA)
Connecticut	15,132	12,428	3,276	10,556	10,088	3,588
Delaware	10,759	8,665	3,617	7,716	6,880	2,745
Dist. of Columbia 3/	23,666	18,657	14,245	16,737	14,293	8,844
Florida	9,018	7,109	3,345	7,779	6,592	3,361
Georgia	8,327	7,132	2,942	6,454	5,848	(NA)
Hawaii	13,404	8,724	(NA)	8,436	8,136	(NA)
Idaho	7,296	6,300	4,239	6,264	5,676	4,041
Illinois	13,474	10,125	6,330	8,442	7,802	5,117
Indiana	12,312	9,330	4,378	6,878	6,089	3,447
Iowa	10,131	8,428	3,011	7,070	7,800	2,369
Kansas	10,955	8,589	4,875	6,749	6,154	4,368
Kentucky	6,258	6,258	5,524	(NA)	(NA)	(NA)
Louisiana	7,540	6,742	2,925	6,500	5,850	(NA)
Maine	9,224	8,095	3,588	8,045	7,395	3,392
Maryland	14,970	10,010	4,437	10,009	8,143	3,716
Massachusetts	20,415	14,736	5,898	12,750	12,066	5,192
Michigan	10,603	8,678	4,234	7,387	6,976	4,595
Minnesota	15,704	11,960	(NA)	8,424	7,644	(NA)
Mississippi 3/	5,307	4,670	1,987	3,570	2,813	896
Missouri	9,802	6,847	(NA)	5,708	4,940	(NA)
Montana	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nebraska	12,272	11,148	(NA)	12,480	12,480	(NA)
Nevada	11,137	8,835	5,275	8,916	8,188	4,737
New Hampshire	12,487	10,102	3,588	9,336	8,813	3,365
New Jersey 3/	12,679	10,597	5,676	9,544	8,689	4,956
New Mexico	8,412	7,428	(NA)	6,684	6,348	(NA)
New York	15,028	12,064	(NA)	10,972	10,140	(NA)

Continued on next page.

**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,
BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA:
2017 -- Con.**

Area	Child care center			Family child care		
	Infant	4-year-old	School-age 1/	Infant	4-year-old	School-age 1/
North Carolina	9,254	7,920	3,275	7,412	6,548	2,994
North Dakota	8,875	8,025	(NA)	7,283	6,994	(NA)
Ohio	9,466	7,707	4,168	7,467	6,343	3,434
Oklahoma	8,372	6,448	4,160	6,916	6,084	4,212
Oregon	13,292	9,822	4,032	8,990	8,228	4,626
Pennsylvania	11,560	9,540	(NA)	8,712	7,148	(NA)
Rhode Island	13,370	10,433	5,584	10,433	9,609	4,668
South Carolina 3/	6,840	5,863	2,399	4,797	4,531	1,999
South Dakota	(NA)	6,198	4,586	(NA)	5,242	3,947
Tennessee	8,524	7,290	2,487	6,183	5,715	2,542
Texas 3/	9,102	6,894	3,342	6,994	5,404	2,750
Utah	9,708	7,464	(NA)	7,344	6,480	(NA)
Vermont	12,507	11,438	4,324	8,694	8,264	3,711
Virginia	13,728	10,608	4,875	10,140	8,684	3,432
Washington	14,208	10,788	4,599	10,812	9,300	4,140
West Virginia 3/	8,528	7,462	4,997	6,663	5,863	3,998
Wisconsin	12,268	9,954	3,720	9,645	8,611	4,482
Wyoming	10,394	8,795	7,017	7,995	7,995	7,995

NA Not available or not reported.

1/ Based on a before-/after-school for 9-month school year.

2/ Did not report costs for "Child Care Center School-age" on 2018 survey. Data from previous year adjusted for inflation.

3/ State did not report costs on 2018 survey. Data from previous year adjusted for inflation.

Source: Child Care Aware of America, *Parents and the High Cost of Child Care 2018 Appendices*, Appendix I: "2017 Average Annual Cost of Full-Time Center-Based Child Care by State" (p. 4) and Appendix II: "2017 Average Annual Cost of Full-Time Family Child Care by State" (p. 5)
<<http://usa.childcareaware.org/advocacy-public-policy/resources/research/costofcare/>> accessed January 25, 2019.

Table 14.15-- HOUSING'S MOST EXPENSIVE 25 MARKETS AND MOST AFFORDABLE 25 MARKETS IN THE UNITED STATES: 2016

[The Coldwell Banker "U.S. Home Listing Report" analyzes the average listing price of four-bedroom, two-bathroom properties on coldwellbanker.com listed between January 2016 and June 2016 from 51,163 listings in 2,168 markets. Markets without 10 such properties were excluded]

Rank	Most expensive		Average listing price	Rank	Most affordable		Average listing price
1	Saratoga	CA	2,453,718	1	Detroit	MI	64,110
2	Newport Beach	CA	2,130,338	2	Cleveland	OH	73,073
3	Cupertino	CA	1,812,833	3	Park Forest	IL	78,392
4	Redwood City	CA	1,807,068	4	Jamestown	NY	88,891
5	Arcadia	CA	1,748,680	5	Utica	NY	92,891
6	Carmel	CA	1,722,500	6	Wilkes-Barre	PA	94,436
7	San Francisco	CA	1,672,100	7	Scranton	PA	104,842
8	La Canada Flintridge	CA	1,571,846	8	Huntington	IN	105,614
9	Sunnyvale	CA	1,566,616	9	Augusta	GA	106,567
10	Los Gatos	CA	1,470,524	10	Palatka	FL	110,655
11	San Mateo	CA	1,425,200	11	Geneva	NY	112,600
12	Greenwich	CT	1,349,048	12	Kankakee	IL	112,958
13	Wellesley	MA	1,294,684	13	Cheektowaga	NY	113,244
14	Honolulu	HI	1,202,219	14	Albertville	AL	114,258
15	Santa Barbara	CA	1,165,727	15	Jackson	MI	114,860
16	Danville	CA	1,152,886	16	Country Club Hills	IL	116,400
17	Westport	CT	1,119,279	17	Beloit	WI	117,655
18	San Rafael	CA	1,114,714	18	Hephzibah	GA	118,460
19	Pasadena	CA	1,082,091	19	Johnstown	PA	118,589
20	Bellevue	WA	1,078,976	20	Parsons	KS	118,628
21	Calabasas	CA	1,066,783	21	Danville	IL	118,970
22	Cambridge	MA	1,057,120	22	Binghamton	NY	119,251
23	Concord	MA	1,040,290	23	Jackson	MS	119,580
24	San Jose	CA	1,011,871	24	Bluefield	WV	119,945
25	Walnut Creek	CA	1,004,900	25	Grenada	MS	120,925

Source: Coldwell Banker, "Homebuyers: Report Reveals Most Expensive and Affordable Real Estate Markets in United States" (September 8, 2016) <<https://www.coldwellbanker.com/article/report-reveals-most-expensive-and-affordable-real-estate-markets-in-us>> accessed November 1, 2016.

Table 14.16-- AVERAGE GASOLINE PRICE FOR THE UNITED STATES AND FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JULY 10, 2019

[Over 120,000 retail gasoline 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-grade	Premium	Diesel
Hawaii	3.653	3.823	4.003	4.250
Hawaii rank	2	2	2	1
U. S. average	2.750	3.066	3.318	3.003
Hawaii as percent of U.S. average	132.8	124.7	120.6	141.5
Alabama	2.394	2.707	3.017	2.812
Alaska	3.235	3.322	3.481	3.049
Arizona	2.848	3.078	3.294	3.046
Arkansas	2.381	2.653	2.912	2.776
California	3.754	3.920	4.029	3.994
Colorado	2.697	2.964	3.237	2.831
Connecticut	2.870	3.168	3.377	3.228
Delaware	2.595	2.933	3.143	2.916
District of Columbia	2.850	3.358	3.495	3.104
Florida	2.650	2.967	3.244	2.892
Georgia	2.601	2.914	3.211	2.961
Hawaii	3.653	3.823	4.003	4.250
Idaho	2.961	3.129	3.300	3.013
Illinois	3.054	3.403	3.780	3.029
Indiana	2.783	3.076	3.390	2.994
Iowa	2.587	2.708	3.089	2.885
Kansas	2.509	2.739	2.966	2.788
Kentucky	2.607	2.915	3.210	2.862
Louisiana	2.388	2.675	2.950	2.752
Maine	2.697	2.977	3.196	3.025
Maryland	2.709	3.075	3.299	2.983
Massachusetts	2.736	2.997	3.182	3.050
Michigan	2.804	3.134	3.462	2.971
Minnesota	2.616	2.818	3.103	2.938
Mississippi	2.356	2.629	2.936	2.733
Missouri	2.466	2.700	2.946	2.732
Montana	2.795	3.019	3.279	2.927
Nebraska	2.595	2.685	3.009	2.843
Nevada	3.294	3.482	3.637	3.233
New Hampshire	2.619	2.920	3.154	2.965
New Jersey	2.813	3.139	3.323	3.078
New Mexico	2.596	2.865	3.096	2.900
New York	2.873	3.145	3.366	3.216

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 10, 2019 -- Con.**

Item	Regular	Mid-grade	Premium	Diesel
North Carolina	2.548	2.852	3.159	2.912
North Dakota	2.637	2.844	3.041	2.861
Ohio	2.768	3.065	3.388	2.959
Oklahoma	2.442	2.662	2.857	2.670
Oregon	3.211	3.402	3.567	3.208
Pennsylvania	2.909	3.205	3.464	3.415
Rhode Island	2.736	3.029	3.226	3.078
South Carolina	2.416	2.716	3.007	2.799
South Dakota	2.690	2.797	3.141	2.893
Tennessee	2.464	2.776	3.070	2.856
Texas	2.469	2.769	3.031	2.738
Utah	2.927	3.079	3.237	2.977
Vermont	2.716	2.979	3.216	3.024
Virginia	2.473	2.828	3.107	2.865
Washington	3.344	3.549	3.691	3.318
West Virginia	2.659	2.899	3.172	3.012
Wisconsin	2.705	3.026	3.402	2.885
Wyoming	2.765	2.964	3.183	3.016

Source: AAA's Daily Gas Prices, National Average, State Prices and Compare Prices
<<http://gasprices.aaa.com/>> accessed July 10, 2019; and calculations by the Hawaii Department 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	112.41
Monthly unreserved	Parking rate – low	195.00	108.06	180.46
Monthly unreserved	Parking rate – median	230.00	166.26	138.34
Monthly reserved	Parking rate – high	395.00	273.41	144.47
Monthly reserved	Parking rate – low	287.96	137.67	209.17
Monthly reserved	Parking rate – median	350.00	196.21	178.38
Daily parking	Rate – high	75.00	27.13	276.45
Daily parking	Rate – low	21.00	9.64	217.84
Daily parking	Rate – median	42.00	17.19	244.33
Hourly parking	Rate – high	10.00	9.73	102.77
Hourly parking	Rate – low	1.50	2.71	55.35
Hourly parking	Rate – median	6.50	5.77	112.65
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 MOST EXPENSIVE CAR RENTAL DESTINATIONS
IN THE UNITED STATES: AUGUST 2016**

[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 August 1 through August 31, 2016. Each city's main airport was chosen as the Pick-Up and Drop-Off location. Rank of 1 assigned to the highest car rental rate]

Rank	City and state	Rate (dollars) 1/	Rank	City and state	Rate (dollars) 1/
1	Philadelphia	83	26	Oakland	52
2	Seattle	81	27	Kansas City	51
3	Boston	80	27	Memphis	51
3	Chicago	73	29	Washington DC	50
5	Detroit	71	30	Raleigh	49
6	Portland	69	30	San Jose	48
7	Cincinnati	67	30	San Francisco	47
7	Indianapolis	61	30	Jacksonville	47
9	Denver	61	30	Salt Lake City	46
9	Cleveland	60	35	Palm Springs	45
11	Newark	59	36	Pittsburgh	45
11	Albuquerque	59	37	Savannah	45
13	St. Louis	59	38	San Antonio	45
14	New York	57	39	Baltimore	44
14	Minneapolis	57	40	Milwaukee	44
14	Buffalo	56	41	Charlotte	43
17	Reno	55	41	Phoenix	42
17	Atlanta	55	41	Honolulu	42
19	New Orleans	55	41	Las Vegas	41
20	Nashville	55	45	Los Angeles	41
21	Tucson	53	45	San Diego	40
21	Dallas	53	47	Fort Lauderdale	32
23	Sacramento	53	48	Tampa	30
24	Austin	52	48	Miami	28
24	Houston	52	50	Orlando	26

1/ Rank is as reported in source although not all cities with same rate shown are given same rank.

Source: CheapCarRental "The Most Expensive Car Rental Destinations in the USA"
(August 6, 2016) <<https://www.cheapcarrental.net/press.html>> accessed May 22, 2019.

Table 14.19-- CAR RENTAL RATES FOR 30 MAJOR UNITED STATES CITIES: CHRISTMAS PREMIUM 2018

[The survey compared the rates at 40 popular U.S. destinations over the December 23 to December 27, 2018 period for the cheapest available rental car to the average car rental prices for winter outside the survey period. Rates were established on December 15, 2018 via a leading car rental comparison engine. Each city's main airport was chosen as the pick-up and drop-off location. Rank of 1 assigned to the highest car rental rate]

Rank	City	Rate (dollars)	'Holiday' premium (percent)
1	New York City	179	223
2	Seattle	118	315
3	New Orleans	109	84
4	Denver	104	187
5	Honolulu	99	157
6	Boston	95	215
7	Pittsburgh	94	114
8	Minneapolis	87	84
9	Portland	86	118
10	Tampa	86	186
11	San Diego	82	194
12	Washington DC	81	105
13	Jacksonville	79	168
14	Albuquerque	78	60
15	Atlanta	77	131
16	San Francisco	71	151
17	Kansas City	70	49
18	Houston	66	61
19	Dallas	65	77
20	St Louis 61	0	102
21	Indianapolis	61	82
22	Philadelphia	57	17
23	Austin	56	67
24	Charlotte	56	15
25	Los Angeles	55	155
26	Nashville	55	22
27	Baltimore	54	37
28	Cincinnati	53	40
29	Chicago	52	63
30	Miami	51	118

Source: CheapCarRental "The most expensive car rental destinations over the Christmas holidays " (December 20, 2018) <<https://www.cheapcarrental.net/press/christmas18.html>> accessed January 25, 2019.

Table 14.20-- AVERAGE ANNUAL AUTO INSURANCE RATES AND AS PERCENT OF MEDIAN ANNUAL HOUSEHOLD INCOME 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. Ranking based on car insurance as highest percent of household income]

Rank	State	Median price of annual car insurance	Median annual household income	Car insurance as percent of household income
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

Continued on next page.

Table 14.20-- AVERAGE ANNUAL AUTO INSURANCE RATES AND AS PERCENT OF MEDIAN ANNUAL HOUSEHOLD INCOME FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JUNE 2012 -- Con.

Rank	State	Median price of annual car insurance	Median annual household income	Car insurance as percent of household income
33	Indiana	1,268	55,368	2.29
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
49	Hawaii	1,244	76,134	1.63
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 accessed July 30, 2012.

Table 14.21-- AVERAGE ANNUAL AUTO INSURANCE RATES FOR THE 50 STATES: 2019

[Average cost of car insurance from 6 of the largest auto insurance companies in the United States: Allstate, Farmers, GEICO, Nationwide, Progressive and State Farm. The premiums assume the policyholder is a 40-year-old male buying full coverage and commuting 12 miles to work each day. The policy purchased is a 100/300/50 (\$100,000 for individual injury liability, \$300,000 total bodily injury per accident, and \$50,000 for property damage), with a \$500 deductible on collision and comprehensive coverage]

Rank	State	Average price of annual car insurance	Rank	State	Average price of annual car insurance
1	Michigan	2,551	26	Arkansas	1,399
2	West Virginia	2,518	27	Tennessee	1,397
3	Georgia	2,201	28	Nevada	1,388
4	Rhode Island	2,020	29	Mississippi	1,385
5	Montana	2,013	30	New Mexico	1,371
6	Louisiana	1,971	31	Illinois	1,370
7	California	1,962	32	Minnesota	1,360
8	New Jersey	1,905	33	Kansas	1,358
9	Florida	1,830	34	Oregon	1,333
10	Maryland	1,810	35	Nebraska	1,317
11	North Dakota	1,710	36	South Carolina	1,316
12	Connecticut	1,638	37	Arizona	1,222
13	Texas	1,620	38	Missouri	1,207
14	Alaska	1,605	39	Indiana	1,202
15	Massachusetts	1,604	40	Utah	1,192
16	Delaware	1,580	41	New York	1,173
17	Oklahoma	1,568	42	Vermont	1,149
18	Colorado	1,558	43	Virginia	1,114
19	South Dakota	1,557	44	Wisconsin	1,087
20	Wyoming	1,541	45	North Carolina	1,060
21	Alabama	1,529	46	Iowa	1,058
22	Kentucky	1,503	47	Idaho	1,053
23	Washington	1,499	48	New Hampshire	983
24	Pennsylvania	1,440	49	Maine	964
25	Hawaii	1,400	50	Ohio	926

Source: MyCarInsurance123 "Average Car Insurance Rates By State 2019"
<<https://www.mycarinsurance123.com/average-car-insurance-rates/>> accessed July 9, 2019.

Table 14.22-- AVERAGE MONTHLY AND ANNUAL AUTO INSURANCE RATES FOR EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2018

[According to a study done by ValuePenguin, the price of car insurance can vary greatly depending on a number of factors including age, gender, marital status, driving record, years of driving experience, credit history, the type of car you drive, your claims history, and more. This study does not standardize on one combination of factors but rather on the average policyholder's premium in each state]

Rank 1/	State	Average price of car insurance		Rank 1/	State	Average price of car insurance	
		Monthly	Annual			Monthly	Annual
1	Michigan	213	2,551	26	Hawaii	117	1,400
2	West Virginia	210	2,518	28	Nevada	116	1,388
3	Georgia	183	2,201	28	Tennessee	116	1,397
4	Dist. of Colum.	177	2,127	30	Mississippi	115	1,385
5	Montana	168	2,013	31	Illinois	114	1,370
5	Rhode Island	168	2,020	31	New Mexico	114	1,371
7	California	164	1,962	33	Kansas	113	1,358
7	Louisiana	164	1,971	33	Minnesota	113	1,360
9	New Jersey	159	1,905	35	Oregon	111	1,333
10	Florida	153	1,830	36	Nebraska	110	1,317
11	Maryland	151	1,810	36	South Carolina	110	1,316
12	North Dakota	143	1,710	38	Arizona	102	1,222
13	Connecticut	137	1,638	39	Missouri	101	1,207
14	Texas	135	1,620	40	Indiana	100	1,202
15	Alaska	134	1,605	41	Utah	99	1,192
15	Massachusetts	134	1,604	42	New York	98	1,173
17	Delaware	132	1,580	43	Vermont	96	1,149
18	Oklahoma	131	1,568	44	Virginia	93	1,114
19	Colorado	130	1,558	45	Wisconsin	91	1,087
19	South Dakota	130	1,557	46	Idaho	88	1,053
21	Wyoming	128	1,541	46	Iowa	88	1,058
22	Alabama	127	1,529	46	North Carolina	88	1,060
23	Kentucky	125	1,503	49	New Hampshire	82	983
23	Washington	125	1,499	50	Maine	80	964
25	Pennsylvania	120	1,440	51	Ohio	77	926
26	Arkansas	117	1,399				

1/ Rank of average monthly premium.

Source: Business Insider "Americans spend an average of \$125 a month on car insurance — here's what people pay in every state"

<<http://www.businessinsider.com/average-cost-car-insurance-in-every-state-ranked-2018-3>>
accessed July 14, 2018.

Table 14.23-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2008 TO 2019

[The survey, conducted in March, covers 209 to 375 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 1/											
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Atlanta, GA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	147	103	78	83	95	69
Boston, MA	(NA)	(NA)	(NA)	(NA)	(NA)	123	109	64	47	51	70	49
Chicago, IL	84	50	(NA)	(NA)	(NA)	(NA)	85	42	34	31	51	37
Cleveland, OH	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	167	133	110	100	125	106
Dallas, TX	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	125	77	62	62	85	62
Detroit, MI	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	160	122	103	95	116	90
Honolulu, HI	77	41	(NA)	(NA)	(NA)	117	97	52	37	35	54	38
Houston, TX	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	143	92	75	74	86	59
Los Angeles, CA	55	23	55	(NA)	(NA)	(NA)	62	36	27	23	35	18
Miami, FL	75	45	(NA)	(NA)	(NA)	114	98	56	45	41	60	44
Minneapolis, MN	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	156	115	91	86	102	78
Morristown, NJ	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	132	88	71	81	97	70
New York City, NY	22	8	27	32	33	24	16	16	11	9	13	9
Pittsburgh, PA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	162	130	112	107	125	97
Portland, OR	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	166	135	117	115	130	107
San Francisco, CA	78	34	(NA)	(NA)	(NA)	92	74	37	26	21	28	16
Seattle, WA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	153	106	83	76	90	64
St. Louis, MO	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	161	130	108	100	122	94
Washington, DC	(NA)	(NA)	111	(NA)	(NA)	(NA)	92	50	38	39	56	42
White Plains, NY	89	31	(NA)	(NA)	(NA)	(NA)	81	71	61	64	79	56
Winston Salem, NC	(NA)	(NA)	197	(NA)	(NA)	(NA)	182	157	147	140	161	138

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**Table 14.23-- COST OF LIVING GLOBAL RANK FOR SELECTED
MAJOR CITIES IN THE UNITED STATES: 2008 TO 2019 -- Con.**

NA Not available.

1/ 2013 and 2014 were not originally available in the News Release, the rankings were derived from data in the following year's release.

Source: Mercer LLC, "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> accessed July 8, 2010; Ibid. 2011 (July 12, 2011) <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> 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> accessed July 30, 2013; Ibid. 2014, (July 10, 2014) <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; Ibid 2017 "Despite Worldwide Changes, Multinationals Focus on Mobile Workforces to Support Career Growth and Ensure Competitiveness" (June 21, 2017) <<https://www.mercer.com/newsroom/cost-of-living-2017.html>> accessed July 1, 2017; "Mercer's Annual Cost of Living Survey Finds Asian, European, and African Cities Most Expensive Locations for Employees" (June 26, 2018) <<https://www.mercer.com/newsroom/cost-of-living-2018.html>> accessed June 27, 2018; and "Mercer's 25th Annual Cost of Living Survey Finds Cities in Asia Most Expensive Locations for Employees Working Abroad" (June 26, 2019) <<https://www.mercer.us/newsroom/mercers-25th-annual-cost-of-living-survey-finds-cities-in-asia-most-expensive-locations-for-employees-working-abroad.html>> accessed July 7, 2019.

Table 14.24-- TOP 10 MOST EXPENSIVE AND 10 CHEAPEST STATES TO LIVE: 2019

[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, 2018 Annual Average. See also <<http://coli.org/About/>>]

Rank	State	Metro area 1/	Average home price	Half gallon of milk	Ribeye steak	Monthly energy bill	Doctor visit
Most expensive							
1	Hawaii	Honolulu	1,158,492	4.18	(NA)	388.65	129.38
2	California	San Francisco	1,243,239	2.86	(NA)	237.13	148.84
3	New York	Manhattan	1,901,222	2.56	(NA)	217.46	105.61
4	Massachusetts	Boston	663,942	1.97	13.18	236.62	191.62
5	Maryland	Bethesda-Gaithersburg-Frederick	794,750	2.12	12.80	173.95	96.53
6	Oregon	Portland	549,358	1.87	12.84	143.33	129.73
7	Alaska	Juneau	542,436	2.53	14.31	257.97	195.97
8	Connecticut	Stamford-Greenwich-Darien Metro	662,447	2.13	11.27	215.97	135.27
10	Rhode Island	Providence-Warwick Metro	451,509	3.21	12.69	227.80	154.86
10	New Jersey	Bergen-Passaic counties	578,386	2.13	11.72	191.05	101.07
Cheapest							
1	Mississippi	Jackson	275,509	2.90	9.73	127.10	91.27
2	Oklahoma	Enid	317,039	2.03	10.42	163.78	125.00
3	Arkansas	Little Rock	339,778	2.16	9.69	149.97	114.28
4	Missouri	Kansas City	276,197	2.10	11.76	160.33	94.24
5	Michigan	Grand Rapids	288,912	1.77	10.45	165.99	96.94
6	Alabama	Mobile	241,783	2.32	9.96	192.98	116.24
6	Tennessee	Nashville-Murfreesboro	318,571	1.78	12.08	157.08	94.52
8	Kansas	Manhattan	311,911	1.39	11.04	179.18	89.50
9	Indiana	Indianapolis	250,625	1.51	11.80	184.40	93.91
10	Wyoming	Laramie	271,475	2.49	12.61	130.86	106.00

NA Not available.

1/ Average home price applies to indicated Metro area.

Source: CNBC, "America's Top States for Business - America's 10 most expensive states to live in 2019" (July 10, 2019) <<https://www.cnbc.com/2019/07/10/americas-10-most-expensive-states-to-live-in-2019.html>> accessed July 10, 2019; and "These states are the cheapest places to live in America in 2019" <<https://www.cnbc.com/2019/07/10/americas-10-cheapest-states-to-live-2019.html>> accessed July 10, 2019.

**Table 14.25-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR
FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C.,
BY COUNTY: 1996 TO 2019**

[As of July 3, 2019. Maui includes Kalawao]

Effective or survey date	Allowance category	Honolulu	Hawaii	Maui	Kauai
ALLOWANCE RATES					
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
COLA AND LOCALITY PAY RATES					
January 1, 2009	COLA 5/	25.00	18.00	25.00	25.00
	Locality rate 6/	0.00	0.00	0.00	0.00
January 1, 2010	COLA 6/ 7/	20.94	14.26	20.94	20.94
	Payable locality rate 6/	4.72	4.72	4.72	4.72
	Full locality rate 6/	14.16	14.16	14.16	14.16
January 1, 2011	COLA 6/ 8/	16.07	9.76	16.07	16.07
	Payable locality rate 6/	11.01	11.01	11.01	11.01
	Full locality rate 6/	16.51	16.51	16.51	16.51
January 1, 2012	COLA 6/ 8/	12.25	6.24	12.25	12.25
	Payable locality rate 6/	16.51	16.51	16.51	16.51
	Full locality rate 6/	16.51	16.51	16.51	16.51
January 1, 2016	COLA 6/	12.05	6.05	12.05	12.05
	Locality rate 6/	16.81	16.81	16.81	16.81
January 1, 2017	COLA 6/	11.32	5.39	11.32	11.32
	Locality rate 6/	17.92	17.92	17.92	17.92
January 1, 2018	COLA 6/	10.99	5.08	10.99	10.99
	Locality rate 6/	18.43	18.43	18.43	18.43
January 1, 2019	COLA 6/	10.64	4.76	10.64	10.64
	Locality rate 6/	18.98	18.98	18.98	18.98
INDEXES					
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

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**Table 14.25-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR
FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C.,
BY COUNTY: 1996 TO 2019 -- 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 Caraballo 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; 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", accessed June 6, 2016; OPM, "COLA and Locality Pay Rates in Nonforeign Areas 2017" accessed April 18, 2017; OPM, "COLA and Locality Pay Rates in Nonforeign Areas 2018" accessed April 19, 2018; OPM "COLA and Locality Pay Rates in Nonforeign Areas 2019" accessed July 3, 2019.

Table 14.26-- COST OF LIVING ALLOWANCE INDEXES FOR MILITARY IN HAWAII RELATIVE TO CONTINENTAL UNITED STATES, BY ISLAND

[As of July 1, 2019. Index number continental United States=100]

Effective date	Locality	Locality code 1/	Index
May 16, 2019	Hawaii (island)	HI001	122
July 1, 2019	Kauai	HI003	126
July 1, 2019	Maui	HI005	126
July 1, 2019	Molokai	HI007	126
July 1, 2019	Oahu	HI009	116
November 8, 1989	Other islands	HI999	(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 2019, Table III - Cost-of-Living Allowance (COLA) Indexes", p.3 <http://www.defensetravel.dod.mil/Docs/perdiem/browse/Allowances/Appendix_J_Overseas_COLA_Tables/2018-COLA-Indexes/07-01-18_COLA_Indices.pdf> accessed July 6, 2018.

Table 14.27-- PER DIEM RATES FOR MILITARY IN HAWAII, BY ISLAND OR INSTALLATION

[As of July 1, 2019. 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	326	177	119	67	30	July 1, 2019
EASTPAC Naval COMP TELE Area	326	177	119	67	30	July 1, 2019
Ft. DeRussey	326	177	119	67	30	July 1, 2019
Ft. Shafter	326	177	119	67	30	July 1, 2019
Hickam Air Force Base	326	177	119	67	30	July 1, 2019
Hilo (Island of Hawaii)	319	199	96	55	24	July 1, 2019
Honolulu	326	177	119	67	30	July 1, 2019
Isle of Hawaii: Hilo	319	199	96	55	24	July 1, 2019
Isle of Hawaii: Other	374	218	125	70	31	July 1, 2019
Isle of Kauai	466	325	113	64	28	July 1, 2019
Isle of Maui	454	304	120	67	30	July 1, 2019
Isle of Oahu	326	177	119	67	30	July 1, 2019
Joint Base Pearl Harbor- Hickam	326	177	119	67	30	July 1, 2019
Kapolei	326	177	119	67	30	July 1, 2019
Kekaha Pacific Missile Range Fac.	466	325	113	64	28	July 1, 2019
Kilauea Military Camp	319	199	96	55	24	July 1, 2019
Lanai	352	218	107	61	27	July 1, 2019
Lihue (Island of Kauai)	466	325	113	64	28	July 1, 2019
Lualualei Naval Magazine	326	177	119	67	30	July 1, 2019
Marine Corps Base Hawaii	326	177	119	67	30	July 1, 2019
Molokai	324	218	85	50	21	July 1, 2019
NOSC Pearl Harbor 3/	326	177	119	67	30	July 1, 2019
Pearl Harbor	326	177	119	67	30	July 1, 2019
PMRF Barking Sands	466	325	113	64	28	July 1, 2019
Schofield Barracks	326	177	119	67	30	July 1, 2019
Tripler Army Medical Center	326	177	119	67	30	July 1, 2019
Wahiawa NCTAMS PAC 4/	326	177	119	67	30	July 1, 2019
Wheeler Army Airfield	326	177	119	67	30	July 1, 2019
Other 5/	367	218	119	67	30	July 1, 2019

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/ Naval Operations Support Center Pearl Harbor (NOSC Pearl Harbor).

4/ Wahiawa Naval Computer and Telecommunications Area Master Station, Pacific (NCTAMS PAC).

5/ 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 2019"

<<http://www.defensetravel.dod.mil/site/perdiem.cfm>> accessed July 5, 2019.

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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*.

**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): 2016

[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	Number of establishments 1/	Number of employees 2/	Annual payroll (\$1,000)
52	Total	1,455	19,060	1,288,943
522	Credit intermediation and related activities	671	9,780	633,971
5221	Depository credit intermediation	451	8,785	558,138
52211	Commercial banking	216	4,970	339,376
52212	Savings institutions	94	1,646	108,914
52213	Credit unions	141	2,169	109,848
5222	Nondepository credit intermediation	110	589	53,611
52221	Credit card issuing	1	(3/)	(D)
52222	Sales financing	4	17	1,127
52229	Other nondepository credit intermediation	105	547	51,159
522291	Consumer lending	7	38	2,668
522292	Real estate credit	79	440	45,503
522298	All other nondepository credit intermediation	18	67	2,856
5223	Activities related to credit intermediation	110	406	22,222
52231	Mortgage and nonmortgage loan brokers	43	146	13,338
523	Securities, commodity contracts, and other financial investments, and related activities	240	978	113,417
5231	Securities and commodity contracts intermediation and brokerage	102	560	75,816
52311	Investment banking and securities dealing	2	(4/)	(D)
52312	Securities brokerage	93	535	74,692
5239	Other financial investment activities	138	418	37,601
52391	Miscellaneous intermediation	22	64	5,182
52392	Portfolio management	52	218	20,900
52393	Investment advice	62	116	9,949
524	Insurance carriers and related activities	540	8,299	541,331
5241	Insurance carriers	145	5,578	365,522
52411	Direct life health & medical insurance carriers	72	4,183	258,155
524113	Direct life insurance carriers	32	400	51,864
524114	Direct health & medical insurance carriers	40	3,783	206,291
52412	Direct insurance (except life, health, and medical) carriers	72	1,394	107,282
5242	Agencies, brokerages, and other insurance related activities	395	2,721	175,809
52421	Insurance agencies and brokerages	354	1,960	124,589
525	Funds, trusts, and other financial vehicles	4	3	224

Continued on next page.

Table 15.02-- FINANCE AND INSURANCE SECTOR (NAICS 52): 2016 -- Con.

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/ 20 to 99 employees.

4/ 0 to 19 employees.

Source: U.S. Census Bureau, *2016 County Business Patterns*

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed July 9, 2018.

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 insurance 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> accessed July 2, 2015.

**Table 15.04-- CHARACTERISTICS OF COMMERCIAL BANKS
HEADQUARTERED IN HAWAII: 2015 TO 2018**

[As of December 31. Federal Deposit Insurance Corporation insured banks with assets greater than \$100 million. Includes out-of-State branches and facilities of banks. Excludes data for banks with branches and facilities in Hawaii but headquartered outside Hawaii]

Subject 1/	2015	2016	2017	2018
Number of institutions reporting	6	6	6	6
Total employees (full-time equivalent)	5,464	5,392	5,476	5,402
Aggregate condition and income data (In millions of dollars)				
Net income (year-to-date)	447	476	418	564
Total assets	41,201	42,824	44,602	44,990
Total loans and leases	22,661	25,003	26,827	28,593
Total deposits	34,917	36,976	38,724	38,413
Equity capital	4,445	4,239	4,395	4,380
Performance ratios (year-to-date) (%)				
Yield on earning assets	3.09	3.15	3.28	3.59
Net charge-offs to loans and leases	0.05	0.05	0.13	0.11
Return on assets	1.11	1.14	0.95	1.27
Return on equity	10.11	11.06	9.60	12.95
Condition ratios (%)				
Net loans and losses to assets	54.23	57.66	59.45	62.86
Loss allowances to:				
Loans and leases	1.40	1.25	1.16	1.10
Noncurrent loans and leases	418.58	631.73	761.42	865.52
Noncurrent loans and leases to total loans and leases	0.33	0.20	0.15	0.13

1/ Definition of terms may be found on the Federal Deposit Insurance Corporation website in their glossary.

Source: Federal Deposit Insurance Corporation, Division of Insurance and Research, "State Banking Performance Summary - FDIC-Insured Institutions" <https://www5.fdic.gov/qbp/qbp_report.asp?menuitem=STBL&TBL1=cb11state&TBL2=cb11state&TBL3=cb11state&ST1=NT&ST2=NT&ST3=NT&CALLYM1=N24> accessed April 16, 2019.

Table 15.05-- CREDIT UNIONS: 1999 TO 2018

[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	9,683,184,997	8,571,854,063	3,867,199,282	808,286
2014	70	9,866,946,668	8,693,351,538	4,008,308,459	809,637
2015	64	10,171,532,130	8,952,063,288	4,363,415,160	806,212
2016	61	10,609,942,669	9,324,690,317	4,708,314,368	811,786
2017 1/	57	10,928,596,828	9,592,106,718	5,221,237,869	823,550
2018	55	11,161,324,522	9,783,958,886	5,730,522,796	838,873

1/ 'Assets', 'Shares', and 'Loans' revised from previous *Data Book*.

Source: Hawaii Credit Union League, records.

**Table 15.06-- INSURANCE BUSINESS TRANSACTED IN HAWAII:
1998 TO 2017**

[Includes data for all insurance companies, life or other, licensed in Hawaii]

Year	Number of companies licensed in Hawaii, Dec. 31	Premiums paid (\$1,000)	Losses, claims and benefits paid (\$1,000)	Cumulative net investments in Hawaii, Dec. 31 1/ (\$1,000)
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	4,540,193	3,794,453	7,153,558
2014	1,025	4,727,440	4,104,006	8,707,305
2015	1,025	4,896,975	4,715,970	7,757,282
2016	1,034	5,036,610	4,147,963	8,270,671
2017	1,043	5,437,107	4,559,200	8,415,700

1/ Excludes bank balances.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii* (annual) <<https://www.cca.hawaii.gov/ins/reports/>> accessed January 27, 2019.

**Table 15.07-- LIFE INSURANCE BUSINESS TRANSACTED IN HAWAII:
1998 TO 2017**

[Includes fraternal benefit societies]

Year	Number of companies licensed in Hawaii, Dec. 31	Face value of policies written 1/ (\$1,000)	Insurance in force, Dec. 31 2/ (\$1,000)	Premiums 3/ (\$1,000)	Losses, claims, and benefits paid 3/ (\$1,000)
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
2015	405	10,502,976	128,704,097	725,516	2,446,863
2016	403	9,750,321	132,133,730	741,276	1,839,340
2017	405	(NA)	(NA)	796,510	2,066,415

NA Not available.

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) <<https://cca.hawaii.gov/ins/reports/>> accessed January 27, 2019 and records.

Table 15.08-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF INSURANCE: 2017

[Dollars]

Class of insurance	Premiums	Losses, claims, and benefits paid
All classes 1/	5,437,107,314	4,559,200,354
Life 2/	787,416,521	2,059,648,845
Fraternal 2/	9,093,353	7,066,151
Fire, marine, casualty, and miscellaneous	4,377,035,620	2,492,630,461
Accident and health 3/	2,002,307,964	1,505,165,252
Fire	46,869,762	17,336,304
Allied lines	70,468,306	13,663,848
Multiple peril crop	1,207,990	1,137,523
Federal flood	34,945,271	2,284,378
Private flood	4,352,125	99,857
Farmowners multiple peril	86	-
Homeowners multiple peril	381,781,641	117,166,821
Commercial multiple peril (non-liability portion)	101,937,643	21,745,238
Commercial multiple peril (liability portion)	56,589,667	25,575,878
Mortgage guaranty	20,082,267	6,387,111
Ocean marine	17,051,741	7,980,282
Inland marine	94,306,131	38,211,333
Financial guaranty	4,823,396	-
Medical malpractice	18,268,201	11,243,272
Earthquake	5,716,458	-
Workers' compensation	279,953,927	140,599,169
Other liability - occurrence	143,541,193	53,925,771
Other liability - claims-made	51,822,798	14,861,084
Excess workers' compensation	7,355,586	-1,646,824
Products liability	7,302,851	1,865,268
Private passenger auto no-fault	84,394,064	44,958,903
Other private passenger auto liability	350,547,264	205,660,590
Commercial auto no-fault	6,067,106	1,671,088
Other commercial auto liability	83,882,352	36,174,428
Private passenger auto physical damage	317,495,072	179,589,932
Commercial auto physical damage	24,725,561	12,657,310
Aircraft (all perils)	12,709,830	6,305,308
Fidelity	4,385,416	933,863
Surety	38,575,724	15,155,465
Burglary and theft	753,370	49,890
Boiler and machinery	3,295,822	604,573
Credit	6,391,277	2,762,442
Warranty	3,352,274	1,813,521
Title	87,123,395	5,063,422
All other	2,652,089	1,628,161
Foreign Risk Retention Group	7,703,726	2,492,630,461
Surplus lines (net of reinsurance)	255,858,094	(NA)

Continued on next page.

**Table 15.08-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF
INSURANCE: 2017 -- Con.**

NA Not available.

1/ "Losses, claims, and benefits paid" 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 2016" table in the source document.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii, 2018* <<https://cca.hawaii.gov/ins/reports/>> accessed January 27, 2019.

**Table 15.09-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY
LOCATION OF HOME OFFICE: 2016**

[As of December 31. Money amounts in millions of dollars. For all insurance companies, life and property & casualty, licensed to do business in Hawaii]

Subject	All companies	Domestic companies 1/	Foreign companies 2/	Alien companies 3/
Number of companies	1,034	28	997	9
Life (incl. fraternal benefit societies) and health companies	403	11	387	5
All other companies	631	17	610	4
Financial condition				
Assets	7,957,056	2,718	7,926,045	28,293
Liabilities exc. capital and surplus	6,914,625	1,599	6,886,496	26,530
Policyholders' surplus incl. capital	1,041,790	1,120	1,038,907	1,763
Capital	7,449	54	7,390	5
Net income or loss	77,139	-3	77,762	-620
Hawaii business				
Direct premiums written	6,076	777	5,290	9
Life	741	25	708	8
Annuities	1,300	(4/)	1,300	(4/)
Fire, casualty, and misc.	4,035	752	3,283	1
Claims and benefits paid	4,498	309	4,178	11
Life	1,839	10	1,819	10
Annuities	352	(4/)	351	(4/)
Fire, casualty, and misc.	2,308	299	2,008	1
Investments in Hawaii	8,271	622	7,649	-
Mortgage loans (principal indebtedness)	2,039	76	1,964	-
Collateral loans (amount loaned)	127	-	127	-
State and county bonds 5/	2,442	19	2,423	-
Utilities stocks and bonds 5/	375	3	372	-
Industrial and miscellaneous stocks and bonds 5/	2,882	413	2,469	-
Real estate 6/	405	112	293	-
Balances in Hawaii banks	354	291	63	-

Continued on next page.

**Table 15.09-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY
LOCATION OF HOME OFFICE: 2016 -- 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, 2017*, pp. 15-45 <cca.hawaii.gov/ins/reports/> accessed January 12, 2018; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 15.10-- HEALTH PLANS: 2014 TO 2018

Subject	2014	2015	2016	2017	2018
Hawaii Medical Service Association					
Persons covered, Dec. 31 1/	720,982	726,487	734,075	732,160	(NA)
Membership dues 2/ (\$1,000)	2,873,034	2,978,731	3,157,987	3,332,650	(NA)
Kaiser Foundation Health Plan					
Persons covered, annual aver. 1/	230,159	242,243	248,118	251,206	253,449
Persons covered, Dec. 31 1/	231,836	245,559	249,687	251,302	251,659
Membership dues 2/ (\$1,000)	900,502	942,297	1,049,396	1,144,295	1,223,561
University Health Alliance 3/					
Persons covered, Dec. 31 1/	51,773	52,958	56,636	55,860	61,932
Membership dues 2/ (\$1,000)	227,927	240,724	272,632	286,982	327,822
Commercial carrier premiums for accident & health insurance (\$1,000)	1,596,471	1,711,307	1,710,245	2,002,308	(NA)

NA Not available.

1/ Subscribers and dependents, whether on a group or individual basis.

2/ Includes both employers' and employees' contributions.

3/ Excludes data relating to the Hawaii Health Connector.

Source: Hawaii Medical Service Association, Kaiser Foundation Health Plan, Inc., University Health Alliance, and Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner* (annual) <<http://cca.hawaii.gov/ins/reports/>> accessed May 28, 2019.

Table 15.11-- PERCENT OF PERSONS NOT COVERED BY HEALTH INSURANCE, FOR HAWAII AND THE UNITED STATES: 2012 TO 2017

[Civilian noninstitutionalized population. Based on a sample and subject to sampling variability]

Year	Hawaii			U.S.	
	Percent not covered	Margin of error 1/	Rank 2/	Percent not covered	Margin of error 1/
2012	6.9	0.4	4	14.8	0.1
2013	6.7	0.4	3/ 2	14.5	0.1
2014	5.3	0.4	3/ 3	11.7	0.1
2015	4.0	0.3	4	9.4	0.1
2016	3.5	0.4	2	8.6	0.1
2017	3.8	0.4	3/ 2	8.7	0.1
5-year average					
2012-2016	5.2	0.2	3/ 2	11.7	0.1
2013-2017	4.6	0.2	2	10.5	0.1

1/ Plus or minus percent. At the 90-percent confidence interval.

2/ Among 50 states and the District of Columbia, with lowest percentage ranking 1. Note: The ACS ranking has the highest percentage ranking 1.

3/ Tied with the District of Columbia.

Source: U.S. Census Bureau, American Community Survey 1-year 2017 and 5-year 2013-2017, R2701 "Percent Without Health Insurance Coverage" for the United States, States and Puerto Rico, and S2701 Selected Characteristics of Health Insurance Coverage in the United States

<<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 27, 2019.

**Table 15.12-- UNINSURED PERSONS BY SELECTED AGE GROUP,
BY COUNTY: 2017**

[The Small Area Health Insurance Estimates (SAHIE) program models health insurance coverage by combining survey data with population estimates and administrative records]

Age group and subject	State total 1/	Honolulu	Hawaii	Kauai	Maui
Under age 65					
Number in population group	1,144,720	790,800	159,185	58,101	136,634
Number uninsured	53,025	32,629	10,182	2,812	7,402
Percent uninsured	4.6	4.1	6.4	4.8	5.4
Under 19 years old					
Number in population group	317,335	217,457	45,446	16,662	37,770
Number uninsured	7,502	4,525	1,384	428	1,165
Percent uninsured	2.4	2.1	3.0	2.6	3.1
18 to 64 years old					
Number in population group	841,051	582,492	115,844	42,166	100,549
Number uninsured	46,227	28,560	8,907	2,424	6,336
Percent uninsured	5.5	4.9	7.7	5.7	6.3
21 to 64 years old					
Number in population group	800,645	554,974	109,929	40,043	95,699
Number uninsured	43,439	26,759	8,455	2,270	5,955
Percent uninsured	5.4	4.8	7.7	5.7	6.2
40 to 64 years old					
Number in population group	439,946	293,800	65,857	23,752	56,537
Number uninsured	20,216	12,209	3,942	1,170	2,895
Percent uninsured	4.6	4.2	6.0	4.9	5.1
50 to 64 years old					
Number in population group	269,969	176,729	42,941	15,068	35,231
Number uninsured	11,360	6,620	2,502	686	1,552
Percent uninsured	4.2	3.7	5.8	4.6	4.4

1/ Kalawao County data not available.

Source: U.S. Census Bureau, Small Area Health Insurance Estimates (SAHIE), Health Insurance Interactive Data Tool <https://census.gov/data-tools/demo/sahie/#/?s_statefips=15&s_agecat=0> accessed April 16, 2019.

Table 15.13-- FIRES, DEATHS, AND LOSSES, BY COUNTY: 2007 TO 2017

[Fiscal year ending June 30]

Subject and year	State total	Honolulu	Hawaii	Kauai	Maui
Number of fires					
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
2016	3,480	1,836	750	258	636
2017	3,522	1,941	729	268	584
Fire deaths					
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	-	-
2016	5	3	-	-	2
2017	5	3	1	-	1
Fire losses (\$1,000)					
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
2016	31,803	21,018	3,626	1,329	5,830
2017	27,269	16,278	5,396	1,710	3,885

Source: County fire departments.

**Table 15.14-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS:
2004 TO 2016**

[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 em- ployees 1/	Payroll (\$1,000)			Number of establishments by employment-size class 2/		
		First quarter	Annual	Total	1 to 4	5 to 9	
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	
2015	523,677	5,326,980	22,068,393	31,915	16,431	6,361	
2016	528,415	5,472,006	22,892,445	32,350	16,688	6,392	
	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
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
2015	4,315	2,948	1,105	520	143	63	29
2016	4,307	3,052	1,134	544	145	60	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 27, 2018.

**Table 15.15-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY COUNTY: 2015 AND 2016**

[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
2015				
State total	31,915	523,677	5,326,980	22,068,393
Hawaii	4,002	53,713	466,181	1,956,574
Honolulu	21,167	355,607	3,829,734	15,777,709
Kalawao	1	(3/)	(D)	(D)
Kauai	2,014	26,708	238,582	1,000,423
Maui	4,545	61,991	572,765	2,389,725
Statewide 4/	186	25,650	219,651	943,694
2016				
State total	32,350	528,415	5,472,006	22,892,445
Hawaii	4,032	54,561	484,340	2,027,850
Honolulu	21,404	359,766	3,936,057	16,368,921
Kalawao	2	(5/)	(D)	(D)
Kauai	2,087	27,328	249,272	1,063,478
Maui	4,618	64,146	594,368	2,509,664
Statewide 4/	207	22,592	207,763	921,711

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/ 20 to 99 employees.

Source: U.S. Census Bureau, *County Business Patterns* (annual) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2018.

**Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY MAJOR GROUP: 2016**

[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	Number of establishments 1/	Number of employees 2/	Annual payroll (\$1,000)
	Total	32,350	528,415	22,892,445
11	Agriculture, forestry, fishing and hunting	33	151	4,783
21	Mining, quarrying, and oil & gas extraction	7	176	13,315
22	Utilities	65	3,664	360,964
23	Construction	2,869	33,488	2,326,823
31-33	Manufacturing	779	13,040	565,822
311	Food	252	5,660	173,658
312	Beverage and tobacco product	35	944	42,823
315	Apparel	41	384	8,804
323	Printing and related support activities	89	926	34,345
327	Nonmetallic mineral product	46	1,076	75,010
332	Fabricated metal product	40	484	27,993
337	Furniture and related product	41	340	16,809
42	Wholesale trade	1,677	19,345	1,003,311
44-45	Retail trade	4,615	70,647	2,072,630
441	Motor vehicle and parts dealers	317	6,955	357,225
442	Furniture and home furnishing	158	1,346	40,679
443	Electronics and appliance stores	136	1,516	43,530
444	Bldg. mat, garden equip & supplies dealers	246	5,128	166,270
445	Food and beverage stores	697	14,529	387,579
446	Health and personal care stores	411	4,324	133,650
447	Gasoline stations	264	3,106	78,891
448	Clothing & clothing accessories stores	1,249	13,795	293,636
451	Sport, hobby, musical & book	229	2,182	45,084
452	General merchandise stores	86	12,284	385,993
48-49	Transportation and warehousing	904	30,155	1,544,994
481	Air transportation	72	9,474	610,971
484	Truck transportation	201	3,680	164,719
485	Transit & ground passenger transport	132	4,375	171,517
487	Scenic and sightseeing transportation	213	4,834	169,308
488	Support activities for transportation	163	4,012	212,062
51	Information	516	8,202	511,023
52	Finance and insurance	1,455	19,060	1,288,943
53	Real estate and rental and leasing	1,966	11,945	595,672
54	Professional, scientific & technical services	3,341	22,782	1,522,620
55	Management of companies & enterprises	266	6,395	484,316

Continued on next page.

**Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY MAJOR GROUP: 2016-- Con.**

NAICS code	Major group	Number of establish- ments 1/	Number of employees 2/	Annual payroll (\$1,000)
56	Administrative and support and waste management and remediation services	1,846	55,128	1,955,533
61	Educational services	536	18,190	629,686
62	Health care and social assistance	3,636	71,052	3,767,913
621	Ambulatory health care services	2,761	27,074	1,597,238
622	Hospitals	26	23,217	1,584,146
623	Nursing & residential care facilities	163	8,497	288,662
624	Social assistance	686	12,264	297,867
71	Arts, entertainment and recreation	522	11,380	287,928
72	Accommodation and food services	3,777	107,940	3,165,769
721	Accommodation	341	40,126	1,768,479
722	Food services and drinking places	3,436	67,814	1,397,290
81	Other services (except public administration)	3,492	25,580	787,902
99	Industries not classified	48	95	2,498

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *2016 County Business Patterns*

<<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2018.

**Table 15.17-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY EMPLOYMENT-SIZE CLASS: 2015 AND 2016**

[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)	
	2015	2016	2015	2016	2015	2016
Total	31,915	32,350	523,677	528,415	22,068,393	22,892,445
1 to 4	16,431	16,688	29,168	29,538	1,360,760	1,503,554
5 to 9	6,361	6,392	42,026	42,181	1,580,080	1,618,710
10 to 19	4,315	4,307	58,539	58,292	2,184,424	2,223,073
20 to 49	2,948	3,052	89,224	91,501	3,421,468	3,584,200
50 to 99	1,105	1,134	75,987	78,158	2,964,815	3,096,937
100 to 249	520	544	77,455	80,641	3,258,798	3,546,420
250 to 499	143	145	48,420	49,266	2,153,056	2,211,892
500 to 999	63	60	45,093	42,042	2,115,460	1,959,203
1,000 or more	29	28	57,765	56,796	3,029,532	3,148,456

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, "2015 Business Patterns: Geography Area Series: County Business Patterns by Employment Size Class" <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 21, 2017 and "2016 Business Patterns: Geography Area Series: County Business Patterns by Employment Size Class" <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2018.

**Table 15.18-- REGISTERED CORPORATIONS AND PARTNERSHIPS:
2014 TO 2018**

[Fiscal year ending June 30 unless otherwise specified. Excludes nonprofit corporations]

Subject	2014	2015	2016	2017	2018
Domestic (Hawaii) corporations					
Formed	1,806	1,698	1,777	1,758	1,924
Dissolved or merged 1/	2,295	2,257	2,263	2,072	1,938
On record, June 30 2/	30,564	30,021	29,555	29,280	29,281
Foreign (non-Hawaii) corporations					
Qualified	1,153	1,157	1,203	1,232	1,238
Withdrawn, merged, or cancelled 1/	872	815	924	862	804
On record, June 30 2/	12,377	12,720	13,001	13,369	13,803
Partnerships					
Registered	407	390	392	312	277
Dissolved or cancelled 1/	524	464	470	439	371
On record, June 30 2/	4,610	4,530	4,441	4,317	4,226
Domestic (Hawaii) Limited Liability Companies					
Formed	9,342	9,682	10,183	10,569	11,372
Dissolved or merged 1/	5,359	5,668	5,879	6,182	6,240
On record, June 30 2/	56,239	60,281	64,606	69,036	74,240
Foreign (non-Hawaii) Limited Liability Companies					
Qualified	1,122	1,245	1,275	1,487	1,518
Withdrawn or merged 1/	551	567	644	547	640
On record, June 30 2/	7,205	7,882	8,516	9,451	10,338
Domestic (Hawaii) Limited Liability Partnerships					
Formed	79	80	91	67	64
Dissolved or merged 1/	84	75	66	66	69
On record, June 30 2/	451	455	478	480	476
Foreign (non-Hawaii) Limited Liability Partnerships					
Qualified	7	15	14	9	14
Withdrawn or cancelled 1/	3	3	4	6	8
On record, June 30 2/	83	95	105	108	114

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 15.19-- CHARACTERISTICS OF C AND S CORPORATIONS, FINANCIAL CORPORATIONS, PARTNERSHIPS, AND PROPRIETORSHIPS: 2016

[S corporations and partnerships (estimated by random sampling) are included in 2016 but were not in 2015, so data may not be comparable. Also includes real estate rental activities reported on 2016 federal Schedule E by resident individuals. Not included are business entities with no income and no expenses other than those costs to maintain licenses and to file tax returns]

Subject	Total	C Corp. (N-30)	S Corp. (N-35)	Finan. Corp. (F-1)	Partner- ships (N-20)	Proprietors	
						Non- rental (Sch. C & F)	Rental (Sch. E)
Number of businesses	195,190	15,944	15,905	212	10,443	96,386	56,300
Percent	100.0	8.2	8.1	0.1	5.4	49.4	28.8
Number of bus. by taxation district							
First (Oahu)	131,238	13,572	11,076	198	8,274	58,971	39,147
Second (Maui, Molokai, Lanai)	26,169	974	2,353	(D)	(D)	14,328	7,688
Third (Hawaii)	25,864	1,073	1,654	(D)	(D)	16,844	6,293
Fourth (Kauai, Niihau)	11,059	325	822	(D)	(D)	6,243	3,172
Bus. receipts (\$1,000) 1/ Percent	123,668 100.0	71,873 58.1	23,854 19.3	2,673 2.2	16,589 13.4	6,528 5.3	2,151 1.7
Bus. with \$1 million or more in bus. receipts 1/ Percent	9,532 100.0	4,027 62.7	3,131 19.0	78 2.4	1,550 14.0	703 1.8	43 0.2
Bus. with net profit	22,092	5,452	11,038	141	5,461	(NA)	(NA)
Amt. of net profit (\$1,000)	6,884	2,915	1,623	512	1,834	(NA)	(NA)
Amt. of net loss (\$1,000)	2,944	1,433	242	26	1,243	(NA)	(NA)

D Data were suppressed to avoid potential disclosure of confidential taxpayer information.

NA Not available.

1/ Business receipts refers to primary payments received for goods and services provided by the trade or business. It does not include passive income such as interest, rent, and capital gains, except where passive income is the major business activity of the entity.

Source: Hawaii State Department of Taxation, Tax Research and Planning Office, *Hawaii Business Income Tax Statistics: Tax Year 2016* (December 2018) <http://tax.hawaii.gov/stats/a5_1annual/a5_6bus_inc/> accessed January 27, 2019.

**Table 15.20-- ESTABLISHMENT AND EMPLOYMENT CHANGES
FROM ENTERPRISE BIRTHS, DEATHS, EXPANSIONS AND
CONTRACTIONS, BY EMPLOYMENT-SIZE CLASS: 2015 TO 2016**

[An enterprise is a business organization consisting of one or more domestic establishments that were specified under common ownership or control]

Subject	Number (initial year)	Numerical change	Births 1/	Deaths 2/	Expan- sions	Contra- ctions
Employment size of the enterprise 3/						
Establishments 4/	29,375	311	2,609	2,298	7,785	7,313
Less than 500 employees	24,231	107	2,147	2,040	6,212	5,820
1-4	11,494	56	1,483	1,427	2,018	1,243
5-9	4,520	49	299	250	1,332	1,545
10-19	2,828	5	145	140	991	1,101
20-99	3,449	-6	136	142	1,236	1,305
100-499	1,940	3	84	81	635	626
500+	5,144	204	462	258	1,573	1,493
Employment 5/	523,650	4,670	19,089	-14,324	39,481	-39,576
Less than 500 employees	271,313	6,560	12,373	-10,850	23,616	-20,997
1-4	23,646	2,981	2,673	-2,450	4,087	-1,329
5-9	29,268	650	1,953	-1,590	3,120	-2,833
10-19	35,969	767	1,911	-1,713	3,585	-3,016
20-99	95,636	469	3,662	-3,876	7,333	-6,650
100-499	86,794	1,693	2,174	-1,221	5,491	-4,751
500+	252,337	-1,890	6,716	-3,474	15,865	-20,997

1/ Establishments that have zero employment in the first quarter of the initial year and positive employment in the first quarter of the subsequent year.

2/ Establishments that have positive employment in the first quarter of the initial year and zero employment in the first quarter of the subsequent year.

3/ An enterprise (or "company") is a business organization consisting of one or more domestic establishments that were specified under common ownership or control. 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.

4/ A single physical location where business is conducted or where services or industrial operations are performed.

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, 1989-2016 Business Information Tracking Series "Number of Establishments with Corresponding Employment Change by Employment Size of the Enterprise for the United States and All States, Totals: 2015-2016" (released March 15, 2019)

<<https://www.census.gov/programs-surveys/susb/data/tables.2016.html>> accessed May 28, 2019.

Table 15.21--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]

Rank	NAICS code 1/	Sector	Number of employees			Payroll per employee (\$)		
			2007	2012	Percent change	2007	2012	Percent change
1	72	Accommodation & food services	98,353	98,364	0.0	22,468	25,781	14.7
2	44-45	Retail trade	70,661	68,360	-3.3	24,998	26,843	7.4
3	62	Health care & social assistance	63,640	66,772	4.9	42,763	49,281	15.2
4	56	Administrative & support & waste management & remediation services	46,823	47,307	1.0	26,722	28,645	7.2
5	23	Construction	35,523	27,541	-22.5	53,672	56,800	5.8
6	48-49	Transportation & warehousing 1/	32,361	26,839	-17.1	34,252	42,862	25.1
7	54	Professional, scientific, & 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> 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> accessed July 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 15.22-- TOP 10 PRIVATE INDUSTRIES EMPLOYMENT AND EARNINGS, BY COUNTY: 2017-2018

[Data averaged for 3rd quarter of 2017 through 2nd quarter of 2018. 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.]

Rank	NAICS code	State/county and industry 1/	Average quarterly employment	Average monthly earnings (\$)
State			531,537	4,047
1	722	Food services and drinking places	68,731	2,214
2	561	Administrative and support services	47,550	3,153
3	721	Accommodation	42,210	4,202
4	621	Ambulatory health care services	28,728	5,062
5	541	Prof., scientific, & technical services	24,751	6,278
6	238	Specialty trade contractors	20,105	5,593
7	622	Hospitals	16,883	6,283
8	624	Social assistance	15,416	2,120
9	445	Food and beverage stores	15,409	2,745
10	452	General merchandise stores	14,554	2,609
Hawaii County			55,847	3,403
1	722	Food services and drinking places	6,783	2,089
2	721	Accommodation	6,119	3,818
3	561	Administrative and support services	4,889	2,654
4	621	Ambulatory health care services	3,384	4,360
5	445	Food and beverage stores	2,518	2,628
6	452	General merchandise stores	2,460	2,642
7	624	Social assistance	2,368	1,626
8	238	Specialty trade contractors	1,767	4,474
9	111	Crop production	1,495	2,463
10	541	Prof., scientific, & technical services	1,387	5,486
City & County of Honolulu			382,229	4,214
1	722	Food services and drinking places	47,678	2,168
2	561	Administrative and support services	35,124	3,245
3	541	Prof., scientific, & technical services	21,311	6,450
4	621	Ambulatory health care services	21,069	5,033
5	721	Accommodation	19,352	4,192
6	238	Specialty trade contractors	15,431	5,873
7	622	Hospitals	14,797	6,406
8	624	Social assistance	10,727	2,221
9	813	Religious, grantmaking, civic, professional & similar organizations	10,050	3,247
10	611	Educational services	9,879	3,486

Continued on next page.

Table 15.22-- TOP 10 PRIVATE INDUSTRIES EMPLOYMENT AND EARNINGS, BY COUNTY: 2017-2018 -- Con.

Rank	NAICS code	State/county and industry 1/	Average quarterly employment	Average monthly earnings (\$)
Kauai County			25,377	3,714
1	721	Accommodation	4,416	4,114
2	722	Food services and drinking places	4,258	2,113
3	561	Administrative and support services	1,915	3,388
4	621	Ambulatory health care services	1,043	7,061
5	713	Amusement, gambling, & recreation industries	863	2,597
6	238	Specialty trade contractors	831	4,392
7	445	Food and beverage stores	729	2,654
8	236	Construction of buildings	707	5,763
9	452	General merchandise stores	615	2,815
10	541	Prof., scientific, & technical services	608	5,219
Maui County			68,067	3,746
1	721	Accommodation	12,324	4,434
2	722	Food services and drinking places	10,013	2,562
3	561	Administrative and support services	5,623	2,911
4	621	Ambulatory health care services	3,232	5,367
5	445	Food and beverage stores	2,334	2,667
6	238	Specialty trade contractors	2,075	4,926
7	624	Social assistance	1,772	2,165
8	452	General merchandise stores	1,747	2,771
9	813	Religious, grantmaking, civic, professional & similar organizations	1,576	3,145
10	713	Amusement, gambling, & recreation industries	1,449	3,120

1/ Excludes Kalawao County because its data do not meet U.S. Census Bureau publication standards.

Source: U.S. Census Bureau, Local Employment Dynamics, QWI Explorer <<https://qwiexplorer.ces.census.gov/static/explore.html#x=0&g=0>> accessed July 24, 2019.

Table 15.23-- LARGEST PUBLIC AND PRIVATE COMPANIES: 2017

[Highest gross sales in 2017 is ranked 1. Data may include sales and employment on the mainland or abroad]

Rank in sales	Company	Year founded 1/	Sales (million dollars)	Employees
1	Hawaii Medical Service Assn. (HMSA)	1938	3,639.9	1,903
2	Hawaiian Airlines 2/	1929	2,695.6	5,590
3	Hawaiian Electric Industries, Inc. 3/	1891/1983	2,555.6	3,880
4	Matson, Inc.	(NA)	2,046.9	1,947
5	Par Hawaii	(NA)	2,033.4	676
6	University of Hawaii	1907	1,773.2	8,506
7	Servco Pacific Inc.	(NA)	1,632.2	1,926
8	Kaiser Permanente Hawaii	1958	1,550.6	2,651
9	Island Energy Services, LLC	(NA)	1,400.0	359
10	Hawaii Pacific Health	2001	1,290.0	6,961

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/ Was called 'Hawaiian Holdings, Inc.' in previous *Data Book*.

3/ 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*, "Top 250 List" (August 2018) <<https://www.hawaiibusiness.com/issue/2018-08/>> accessed January 27, 2019 and various earlier issues.

**Table 15.24-- NET GAIN AND TOTAL GROSS ANNUAL SALES
OF SELECTED COMPANIES: 2016 TO 2017**

[Rank based on percentage increase in gross annual sales between 2016 and 2017. Table 15.24 reflects correction to published table which showed years as '2015' and '2016']

Rank	Company 1/	Gross annual sales (\$1,000)		
		2016	2017	% change
1	Express Employment Specialists	2,400	7,265	202.7
2	Honolulu Academy of Arts	9,118	19,891	118.2
3	Swinerton	146,000	280,000	91.8
4	Royal Contracting Co. Ltd.	61,800	102,200	65.4
5	The Gentry Companies	62,780	95,130	51.5
6	Pacific Marine & Supply Company, Ltd.	150,000	227,000	51.3
7	Na Ali'i Consulting & Sales, LLC	22,844	34,567	51.3
8	Lili'uokalani Trust	41,700	61,295	46.9
9	YMCA of Honolulu	27,875	39,409	41.4
10	Watts Constructors	92,600	129,680	40.0
11	Parker Ranch Foundation Trust	12,438	16,847	35.4
	Better Homes and Gardens Real			
12	Estate Advantage Realty	14,949	19,243	28.7
13	Pleasant Hawaiian Holidays LLC	36,000	46,000	27.8
14	ProService of Hawaii	179,000	226,600	26.6
15	Kuoloa Ranch Hawaii, Inc.	32,933	41,522	26.1

1/ Companies with a percentage increase of over 30 percent.

Source: *Hawaii Business*, "Top 250 List" (August 2018) <<https://www.hawaiiibusiness.com/2018-top-250/>> accessed January 27, 2019.

Table 15.25-- NONEMPLOYER STATISTICS, FOR HAWAII AND THE UNITED STATES: 2004 TO 2017

[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]

Year	Hawaii		United States	
	Number of firms 1/	Receipts 2/ (\$1,000)	Number of firms 1/	Receipts 2/ (\$1,000)
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
2015 3/	104,707	5,039,049	24,331,403	1,148,715,541
2016 3/	108,308	5,285,508	24,813,048	1,165,668,336
2017 3/	111,003	5,458,656	25,701,671	1,231,393,290
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 are 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 June 21, 2018; 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> 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; "Nonemployer Businesses Increased in 2017" (June 27, 2019) <<https://www.census.gov/newsroom/press-releases/2019/Metropolitan-Areas-and-nonemployer-businesses.html>> and NS1700NONEMP "All Sectors: Nonemployer Statistics for the U.S., States, counties; and by Legal Form of Organization and Sales, Value of Shipments, or Revenue Size for Selected Geographies: 2017" <<https://data.census.gov/cedsci/table?table=NS1700NONEMP&tid=NONEMP2017.NS1700NONEMP&d=ANN%20Nonemployer%20Statistics&lastDisplayedRow=33&hidePreview=true>> accessed July 5, 2019.

**Table 15.26-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,
BY MAJOR GROUP: 2012 AND 2017**

[2012 data are from the Economic Census and the 2017 are from the Census Bureau's annual nonemployers statistics used in other current as well as in previous *Data Book* tables and may not be strictly comparable. A firm without paid employees includes sole proprietors and partners of unincorporated businesses that do not have any other employees on the payroll. 2012 data are based on the 2012 North American Industry Classification System (NAICS) and the 2017 on the 2017]

2012 NAICS code	Major group	2012		2017	
		Number of firms 1/	Receipts 2/ (\$1,000)	Number of firms 1/	Receipts 2/ (\$1,000)
	Total	95,415	4,897,391	111,003	5,458,656
11	Agriculture, forestry, fishing & hunting 3/	1,972	72,703	1,904	82,515
21	Mining, quarrying, & oil & gas extraction	16	826	18	1,972
22	Utilities	119	7,601	190	15,233
23	Construction	7,237	548,050	8,052	565,629
31-33	Manufacturing	2,132	79,119	2,098	92,155
42	Wholesale trade	2,491	(4/)	2,470	185,110
44-45	Retail trade	9,486	405,036	10,924	468,578
48-49	Transportation and warehousing 5/	2,872	92,757	6,862	162,116
51	Information	1,182	40,293	1,210	43,520
52	Finance and insurance 6/	2,850	268,527	2,876	199,023
53	Real estate and rental and leasing	11,165	971,015	12,829	1,269,034
54	Professional, scientific, & tech. services	14,073	586,474	15,633	696,527
55	Management of companies & enterprises	-	-	-	-
56	Admin. & support & waste mgt. & remediation services	8,094	217,659	9,324	276,681
61	Educational services	2,408	43,417	2,952	56,334
62	Health care and social assistance	7,552	379,106	7,969	431,720
71	Arts, entertainment, and recreation	5,776	147,436	6,727	203,974
72	Accommodation and food services	1,730	118,866	2,402	154,141
81	Other services (except public admin.) 7/	14,258	538,958	16,563	554,394
99	Industries not classified	1	(4/)	(X)	(X)

Continued on next page.

**Table 15.26-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,
BY MAJOR GROUP: 2012 AND 2017 -- Con.**

X Not applicable.

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/ Withheld because estimate did not meet publication standards.

5/ Rail Transportation (NAICS 482) and the Postal Service (NAICS 491) are out of scope of the 2012 Survey of Business Owners.

6/ 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.

7/ 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.

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; and "Nonemployer Businesses Increased in 2017" (June 27, 2019) <<https://www.census.gov/newsroom/press-releases/2019/Metropolitan-Areas-and-nonemployer-businesses.html>> and NS1700NONEMP "All Sectors: Nonemployer Statistics for the U.S., States, counties; and by Legal Form of Organization and Sales, Value of Shipments, or Revenue Size for Selected Geographies: 2017" <<https://data.census.gov/cedsci/table?table=NS1700NONEMP&tid=NONEMP2017.NS1700NONEMP&d=ANN%20Nonemployer%20Statistics&lastDisplayedRow=33&hidePreview=true>> accessed July 5, 2019.

**Table 15.27-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,
BY MAJOR GROUP: 2017**

[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 2017 North American Industry Classification System (NAICS)]

2017 NAICS code	Major group 1/	Number of firms 2/	Receipts 3/ (\$1,000)
	Total	111,003	5,458,656
11	Agriculture, forestry, fishing and hunting	1,904	82,515
21	Mining, quarrying, and oil and gas extraction	18	1,972
22	Utilities	190	15,233
23	Construction	8,052	565,629
236	Construction of buildings	2,702	233,086
238	Specialty trade contractors	5,251	323,752
31-33	Manufacturing	2,098	92,155
311	Food manufacturing	345	15,351
315	Apparel manufacturing	368	12,585
321	Wood product manufacturing	189	7,993
42	Wholesale trade	2,470	185,110
44-45	Retail trade	10,924	468,578
445	Food and beverage stores	545	47,123
446	Health and personal care stores	783	23,739
448	Clothing and clothing accessories stores	1,338	72,297
451	Sporting goods, hobby, music instrument & book	505	26,926
454	Nonstore retailers 4/	5,561	148,527
48-49	Transportation and warehousing	6,862	162,116
485	Transit and ground passenger transportation	5,669	104,188
51	Information	1,210	43,520
52	Finance and insurance	2,876	199,023
524	Insurance carriers and related activities	1,901	107,178
53	Real estate and rental and leasing	12,829	1,269,034
531	Real estate	12,319	1,231,847
54	Professional, scientific and technical services	15,633	696,527
56	Administrative and support and waste management and remediation services	9,324	276,681
61	Educational services	2,952	56,334
62	Health care and social assistance	7,969	431,720
621	Ambulatory health care services	5,446	343,906
71	Arts, entertainment and recreation	6,727	203,974
711	Performing arts, spectator sports, and related industries	5,740	138,192
72	Accommodation and food services	2,402	154,141
81	Other services (except public administration)	16,563	554,394
812	Personal and laundry services	12,071	378,904

Continued on next page.

**Table 15.27-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,
BY MAJOR GROUP: 2017 -- Con.**

1/ Major groups include other subgroups not shown separately in this table. Limited to industries in approximately 450 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 2017 <<https://www.census.gov/programs-surveys/nonemployer-statistics/data/datasets.html>> accessed June 21, 2019.

Table 15.28-- SELECTED MINORITY-OWNED BUSINESSES: 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
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 2/	464,922	104,791	10,341	2,497
Annual payroll (\$1,000)	17,913,118	3,436,922	350,276	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/ 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 15.29-- 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	
	Number	Sales/receipts/ value of ship- ments (\$1,000)	Number	Sales/receipts/ value of ship- ments (\$1,000)	Employ- ees 1/	Annual payroll (\$1,000)	Number	Sales/receipts/ value of ship- ments (\$1,000)
Hawaii total	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
U.S. total	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 15.30-- 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)
Hawaii total	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
U.S. total	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 15.31-- 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]

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 15.32-- BUSINESS INQUIRIES AND COMPLAINTS THROUGH
THE BETTER BUSINESS BUREAU, BY TYPE OF INDUSTRY: 2018**

Type of industry 1/	Number of inquiries	Type of industry 1/	Number of complaints	Average settlement per consumer complaint (dollars)
General contractor	47,905	New car dealers 2/	99	8,638.98
Plumber	22,963	Airlines	62	657.69
Roofing contractors	19,649	Used car dealers	48	3,033.51
Real estate	19,404	Restaurants	46	108.57
Electrician	18,485	Jewelry stores	41	147.84
Construction services	15,658	Property management	39	2,139.05
Property management	12,824	Towing companies	37	40,511.01
Painting contractors	12,390	Swimwear	28	77.61
Lawyers	11,023	Hotels	25	1,029.09
Skin care	10,779	Real estate	25	3,525.23
Air conditioning contractor	10,701	Banks	23	6,003.16
Jewelry stores	9,028	Auto renting and leasing	22	279.68
Building contractors	8,664	Travel clubs	18	4,780.04
Restaurants	8,347	Auto body repair and painting	18	3,441.12
Auto repair	8,131	Skin care	18	3,994.71
Handyman	7,977	Handyman	17	2,654.93
Vacation rentals	7,718	Vacation rentals	17	3,067.13
Pest control	7,239	Travel agencies	17	561.78
Travel agency	7,101	Auto repair	16	3,897.72
New car dealers	6,944	Internet marketing services	15	978.37
Used car dealers	6,688	Tour operators	13	1,182.43
Landscape contractors	6,594	Grocery stores	13	54.19
Travel club	6,516	Moving companies	12	8,182.36
Dating services	6,327	Credit unions	12	426.60
Mason contractors	6,156	General contractors	12	14,714.29
Electrical contractors	5,676	Dog daycare	12	1,369.42

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.

Table
Number **Table Name**

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

Narrative

<u>16.01</u>	Information Industry Establishments (NAICS 51): 2016
<u>16.02</u>	Information (NAICS 51), by Kind of Business or Operation: 2012
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<u>16.04</u>	Number of Post Offices and Stations, by Island: September 30, 2018
<u>16.05</u>	Postal Service: 2000 to 2018
<u>16.06</u>	Telephone Statistical Summary: 2005 to 2017
<u>16.07</u>	Status of Telephone Usage of Household Population: 2016 to 2017
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<u>16.13</u>	Radio and Television Broadcasting Stations in Operation, 1945 to 2019, and by County, 2019
<u>16.14</u>	Average Circulation of Daily, Weekly, and Sunday English-Language Newspapers: 2017
<u>16.15</u>	Postage Rates and Newspaper Prices, for Honolulu: 2000 to 2019
<u>16.16</u>	Books and Scholarly Journals Published by the University of Hawaii Press: 1991 to 2018

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 16.01-- INFORMATION INDUSTRY ESTABLISHMENTS (NAICS 51): 2016

[Excludes most government employees, railroad employees, and self-employed persons.
Statistics based on the North American Industry Classification System (NAICS)]

NAICS code	Industry	No. of establishments	No. of paid employees for pay period including March 12	Annual payroll (\$1,000)
51	Information	516	8,202	511,023
511	Publishing industries (except internet)	105	1,243	80,341
5111	Newspaper, periodical, book, directory publishers	73	1,023	53,005
5112	Software publishers	32	220	27,336
512	Motion picture & sound recording industries	87	1,087	18,791
5121	Motion picture & video industries	72	1,044	16,742
5122	Sound recording industries	15	43	2,049
515	Broadcasting (except internet)	48	871	46,640
5151	Radio & television broadcasting	45	856	46,002
517	Telecommunications	206	4,203	310,685
5171	Wired telecommunications carriers	105	3,329	256,254
5172	Wireless telecommunications carriers (except satellite)	88	820	50,926
5174	Satellite telecommunications	5	27	1,960
5179	Other telecommunications	8	27	1,545
518	Data processing, hosting and related services	48	714	49,883
519	Other information services	22	84	4,683

Source: U.S. Census Bureau, *2016 County Business Patterns* <<https://factfinder.census.gov>> accessed May 2, 2018.

Table 16.02-- INFORMATION (NAICS 51), BY KIND OF BUSINESS OR OPERATION: 2012

[Includes establishments with payroll. Statistics based on the 2012 North American Industry Classification System (NAICS)]

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 <<https://factfinder.census.gov>> 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 2012 North American Industry Classification System (NAICS)]

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12 (number)
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.

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12 (number)
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, Hawaii" <<http://factfinder.census.gov>> accessed April 15, 2015.

**Table 16.04-- NUMBER OF POST OFFICES AND STATIONS, BY ISLAND:
SEPTEMBER 30, 2018**

Island	Total	Cost Ascertainment Group (CAG) 1/				Stations	
		A-G	H-J	K	L	Classified 2/	Contract 3/
State total	98	35	25	8	3	14	13
Hawaii	33	10	10	6	-	2	5
Maui	11	8	2	-	-	1	-
Lanai	2	-	1	-	-	1	-
Molokai	5	1	1	1	2	-	-
Oahu	31	11	4	1	-	8	7
Kauai	16	5	7	-	1	2	1
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: 2000 TO 2018

[Fiscal year ending September 30]

Year	Post offices, September 30	Stations, September 30 1/	Gross postal receipts (\$1,000)	Pieces of mail (millions) 2/
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
2016	71	38	199,705	556
2017	71	38	191,552	537
2018	71	27	191,080	527

1/ Includes both classified and contract stations (see Table 16.04).

2/ Originating in Hawaii.

Source: U.S. Postal Service, Honolulu District, records.

Table 16.06-- TELEPHONE STATISTICAL SUMMARY: 2005 TO 2017

Subject	Number or percent
Telecommunications revenues (\$ million) 1/	
2005	1,229
2006	1,184
2007	1,261
2008	1,055
2010	1,022
2011	943
2013	880
2014	794
2015	685
2016	626
Telephone penetration 2/	
2005	94.8
2006	95.5
2007	96.0
2008	96.5
2009	97.7
2010	95.7
2011	94.9
2012	95.9
2013	96.4
2014	95.7
2015	94.6
2016	93.7
2017	94.9
Mobile wireless telephone subscribers	
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	3/ 1,184,000

1/ Only end-user revenues are included since 2008, carriers' carrier revenues are excluded.

2/ Annual average percentage of households with telephone service.

3/ Rounded in report to nearest thousand.

Source: Federal Communications Commission, *Trends in Telephone Service* <http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-301823A1.pdf> accessed June 29, 2012; *Telephone Subscribership in the United States* <http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-311523A1.pdf> accessed July 17, 2013; and *Universal Service Monitoring Report* (annual) <<https://www.fcc.gov/general/federal-state-joint-board-monitoring-reports>> accessed June 4, 2019.

**Table 16.07-- STATUS OF TELEPHONE USAGE OF HOUSEHOLD
POPULATION: 2016 TO 2017**

[Percent of persons living in household. Based on a sample and subject to sampling variability]

Usage status	2016		2017	
	Adults aged 18 years and over	Children under age 18 years	Adults aged 18 years and over	Children under age 18 years
Wireless-only	48.3	61.8	48.5	59.2
Wireless-mostly	16.5	17.6	17.1	19.1
Dual-use	21.5	13.7	21.9	16.8
Landline-mostly	5.8	(1/)	5.2	0.5
Landline-only	5.6	3.3	4.3	1.6
No telephone service 2/	2.6	2.7	3.1	2.8

1/ Estimate has relative standard error greater than 30 percent and less than or equal to 50 percent 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 American Community Survey estimates 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 Early Release Program* (annual)

<<https://www.cdc.gov/nchs/nhis/releases.htm>> accessed May 15, 2019.

Table 16.08-- STATUS OF WIRELESS-ONLY TELEPHONE USAGE OF HOUSEHOLD POPULATION: 2007 TO 2017

[Percent of persons living in household. Based on a sample and subject to sampling variability]

Year	Adults aged 18 years and over	Children under age 18 years
2007	9.3	1/ 7.5
2008	12.6	14.6
2009	19.7	20.4
2010	23.1	29.0
2011	26.0	35.6
2012	31.6	43.8
2013	35.6	(NA)
2014	38.3	50.3
2015	39.3	53.1
2016	48.3	61.8
2017	48.5	59.2

NA Not available.

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 Early Release Program* (annual) <<https://www.cdc.gov/nchs/nhis/releases.htm>> accessed May 15, 2019.

Table 16.09-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS IN HOUSEHOLD: 2017

[Based on a sample and subject to sampling variability]

Subject 1/	Hawaii	United States
Total households	458,078	120,062,818
With an internet subscription	388,435	100,662,676
Dial-up with no other type of internet subscription	1,432	377,157
Broadband of any type	387,003	100,285,519
Cellular data plan	340,021	87,098,530
With no other type of internet subscription	44,055	13,175,471
Broadband such as cable, fiber optic or DSL	336,130	82,628,103
With no other type of internet subscription	43,608	11,437,046
Satellite internet service	16,196	7,996,800
With no other type of internet subscription	1,155	847,174
Other service with no other type of internet subscription	225	133,728
Internet access without a subscription	14,119	3,395,581
No internet access	55,524	16,004,561
Percent of total households	100.0	100.0
With an internet subscription	84.8	83.8
Dial-up with no other type of internet subscription	0.3	0.3
Broadband of any type	84.5	83.5
Cellular data plan	74.2	72.5
With no other type of internet subscription	9.6	11.0
Broadband such as cable, fiber optic or DSL	73.4	68.8
With no other type of internet subscription	9.5	9.5
Satellite internet service	3.5	6.7
With no other type of internet subscription	0.3	0.7
Other service with no other type of internet subscription	0.0	0.1
Internet access without a subscription	3.1	2.8
No internet access	12.1	13.3

1/ Data about computer and Internet use were collected by asking respondents to select "Yes" or "No" to each type of computer and each type of Internet subscription. Therefore, respondents were able to select more than one type of computer and more than one type of Internet subscription, and percentage will sum to greater than 100%.

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates, Table B28002 <<https://factfinder.census.gov>> accessed May 15, 2019; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 16.10-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS
BY HOUSEHOLD INCOME IN THE LAST 12 MONTHS: 2017**

[Based on a sample and subject to sampling variability]

Subject	Total	With dial-up internet subscription	With a broadband internet subscription	Without an internet subscription
Households				
All income groups	458,078	1,432	387,003	69,643
Less than \$10,000	28,417	168	15,347	12,902
\$10,000 to \$19,999	26,893	331	15,831	10,731
\$20,000 to \$34,999	43,166	333	32,813	10,020
\$35,000 to \$49,999	48,712	59	39,606	9,047
\$50,000 to \$74,999	73,602	216	63,259	10,127
\$75,000 or more	237,288	325	220,147	16,816
Percent				
All income groups	100.0	0.3	84.5	15.2
Less than \$10,000	100.0	0.6	54.0	45.4
\$10,000 to \$19,999	100.0	1.2	58.9	39.9
\$20,000 to \$34,999	100.0	0.8	76.0	23.2
\$35,000 to \$49,999	100.0	0.1	81.3	18.6
\$50,000 to \$74,999	100.0	0.3	85.9	13.8
\$75,000 or more	100.0	0.1	92.8	7.1

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates, Table B28004
<<https://factfinder.census.gov>> accessed May 15, 2019; and calculations by the Hawaii State
Department of Business, Economic Development & Tourism.

Table 16.11-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS IN HAWAII AND THE UNITED STATES, BY AGE GROUP: 2017

[For population in households. Based on a sample and subject to sampling variability]

Internet type and age group	Hawaii		United States	
	Number	Percent of age group	Number	Percent of age group
Total household population	1,383,103	100.0	317,631,941	100.0
Has a computer	1,315,654	95.1	299,099,874	94.2
With dial-up internet subscription alone	2,955	0.2	708,271	0.2
With a broadband internet subscription	1,220,644	88.3	276,476,777	87.0
Without an internet subscription	92,055	6.7	21,914,826	6.9
No computer	67,449	4.9	18,532,067	5.8
Under 18 years	303,653	100.0	73,438,874	100.0
Has a computer	297,075	97.8	71,402,121	97.2
With dial-up internet subscription alone	526	0.2	61,215	0.1
With a broadband internet subscription	278,364	91.7	66,327,664	90.3
Without an Internet subscription	18,185	6.0	5,013,242	6.8
No computer	6,578	2.2	2,036,753	2.8
18 to 64 years	832,440	100.0	194,919,314	100.0
Has a computer	809,240	97.2	187,100,502	96.0
With dial-up internet subscription alone	1,179	0.1	285,801	0.1
With a broadband internet subscription	752,569	90.4	173,686,391	89.1
Without an internet subscription	55,492	6.7	13,128,310	6.7
No computer	23,200	2.8	7,818,812	4.0
65 years and over	247,010	100.0	49,273,753	100.0
Has a computer	209,339	84.7	40,597,251	82.4
With dial-up internet subscription alone	1,250	0.5	361,255	0.7
With a broadband internet subscription	189,711	76.8	36,462,722	74.0
Without an internet subscription	18,378	7.4	3,773,274	7.7
No computer	37,671	15.3	8,676,502	17.6

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates, Table B28005
 <<https://factfinder.census.gov>> accessed May 15, 2019; and calculations by the Hawaii State
 Department of Business, Economic Development & Tourism.

**Table 16.12-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS,
AND REVENUES, BY COUNTY: 2004 TO 2018**

[As of December 31]

Category and year	State total	Hawaii County	Maui County	City & County of Honolulu	Kauai County
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	2/ 7	2	2	2	1
2012	2/ 7	2	2	2	1
2013	2/ 7	2	2	2	1
2014	2/ 7	2	2	2	1
2015	2/ 7	2	2	2	1
2016	3/ 6	1	2	2	1
2017	3/ 6	1	2	2	1
2018	3/ 6	1	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)
2016	(D)	(D)	(D)	(D)	(D)
2017	(D)	(D)	(D)	(D)	(D)
2018	(D)	(D)	(D)	(D)	(D)

Continued on next page.

**Table 16.12-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS,
AND REVENUES, BY COUNTY: 2004 TO 2018 -- Con.**

Category and year	State total	Hawaii County	Maui County	City & County of Honolulu	Kauai County
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)
2016	(D)	(D)	(D)	(D)	(D)
2017	(D)	(D)	(D)	(D)	(D)
2018	(D)	(D)	(D)	(D)	(D)

D Data not shown separately to avoid disclosure of individual operations.

1/ Oceanic Time Warner Cable of Hawaii was the only cable TV provider before 2011.

2/ Oceanic Time Warner Cable of Hawaii has 6 systems. Hawaiian Telcom Services Co. has 1 system.

3/ Oceanic Time Warner Cable of Hawaii has 5 systems. Hawaiian Telcom Services Co. has 1 system.

Source: Hawaii State Department of Commerce and Consumer Affairs, Cable Television Division
and records.

Table 16.13-- RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, 1945 TO 2019, AND BY COUNTY, 2019

Date and county	Commercial			Public or educational		
	AM	FM	TV 1/	AM	FM	TV 1/
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	31	61	22	1	15	4
2014: June 2	32	60	22	2	18	4
2015: May 29	32	62	23	2	18	4
2016: June 30	31	64	23	2	21	4
2017: February 14	31	64	23	2	20	4
2018: May 2	43	64	23	-	22	4
2019: March 25	43	65	23	-	22	4
COUNTY: 2019						
Hawaii	6	17	6	-	4	-
Maui	12	12	5	-	7	1
Honolulu	23	28	12	-	8	3
Kauai	2	8	-	-	3	-

1/ Includes licensed stations that are digital television.

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 2005-19) <<http://www.fcc.gov/encyclopedia/audio-division-media-bureau>> accessed March 25, 2019.

**Table 16.14-- AVERAGE CIRCULATION OF DAILY, WEEKLY,
AND SUNDAY ENGLISH-LANGUAGE NEWSPAPERS: 2017**

[Average over the three month period ending December 31]

Newspaper	Average circulation
Daily	
<i>Honolulu Star-Advertiser</i>	135,880
<i>Hawaii Tribune-Herald</i> (Hilo)	12,985
<i>West Hawaii Today</i> (Kailua-Kona)	7,009
<i>Maui News</i> (Wailuku)	(NA)
<i>Garden Island</i> (Lihue)	7,144
<i>USA Today Hawaii Edition</i>	5,531
Sunday	
<i>Honolulu Star-Advertiser</i>	150,881
<i>Hawaii Tribune-Herald</i> (Hilo)	14,048
<i>West Hawaii Today</i> (Kailua-Kona)	8,494
<i>Maui News</i> (Wailuku)	(NA)
<i>Garden Island</i> (Lihue)	6,968
Weekly	
<i>MidWeek</i> 1/	269,041
<i>Street Pulse</i> 1/	44,843
<i>Army Weekly</i>	(NA)
<i>Marine Star</i>	(NA)
<i>Ho'okele</i>	19,770
<i>Kauai Midweek</i> (Kauai) 1/	23,294

NA Not available.

1/ Reported for average distribution, not circulation.

Source: *Star-Advertiser Consolidated Media Report* <http://oahupublications.com/opi/Star-Advertiser_CMCR_123117.pdf> accessed April 10, 2019.

**Table 16.15-- POSTAGE RATES AND NEWSPAPER PRICES, FOR
HONOLULU: 2000 TO 2019**

[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	10/ 22	35	100	225	(X)	(X)
2017	49	9/ 21	34	100	225	(X)	(X)
2018	50	11/ 21	35	100	225	(X)	(X)
2019	55	12/ 15	35	100	225	(X)	(X)

Continued on next page.

**Table 16.15-- POSTAGE RATES AND NEWSPAPER PRICES, FOR
HONOLULU: 2000 TO 2019 -- 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 \$0.71, for weight not over 3 ounces \$0.92, for weight not over 3.5 ounces \$1.13, and for items over 3.5 ounces, large envelope or package prices are used.

12/ For weight not over 2 ounces \$0.70, for weight not over 3 ounces \$0.85, for weight not over 3.5 ounces \$1.00, 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 <<https://www.usps.com/ship/first-class-mail.htm>> accessed March 25, 2019; Newspaper rates from *The Honolulu Star-Advertiser* <<https://gateway.staradvertiser.com/index.html>> accessed March 25, 2019.

Table 16.16-- BOOKS AND SCHOLARLY JOURNALS PUBLISHED BY THE UNIVERSITY OF HAWAII PRESS: 1991 TO 2018

Year	Published titles 1/				New books and journals published 3/		Volumes sold 3/	Book sales revenues 3/ (dollars)
	Cumulative total 2/		In print					
	Paper or cloth based	Digital editions	Paper or cloth based	Digital editions	Books	Scholarly journals		
1991	1,024	(NA)	705	(NA)	53	12	365,790	2,721,480
1992	1,072	(NA)	717	(NA)	48	12	350,274	2,611,388
1993	1,123	(NA)	738	(NA)	51	12	354,063	2,859,494
1994	1,183	(NA)	772	(NA)	60	13	378,807	2,960,051
1995	1,257	(NA)	790	(NA)	74	13	385,673	3,014,268
1996	1,323	(NA)	823	(NA)	54	12	374,168	2,896,316
1997	1,402	(NA)	833	(NA)	65	12	322,378	3,182,690
1998	1,486	(NA)	818	(NA)	84	12	290,199	3,042,984
1999	1,572	(NA)	897	(NA)	83	12	272,407	3,365,336
2000	1,650	(NA)	930	(NA)	82	12	320,509	3,340,336
2001	1,748	(NA)	1,003	(NA)	84	12	316,978	3,583,534
2002	1,854	(NA)	1,063	(NA)	93	13	299,272	3,632,013
2003	1,948	(NA)	1,113	(NA)	83	14	310,407	3,221,852
2004	2,052	(NA)	1,169	(NA)	88	14	307,481	3,769,678
2005	2,143	(NA)	1,209	(NA)	78	13	282,093	3,595,126
2006	2,233	(NA)	1,294	(NA)	78	14	321,672	4,002,717
2007	2,323	(NA)	1,289	(NA)	80	14	283,047	3,719,467
2008	2,401	(NA)	1,396	(NA)	73	14	257,537	3,735,513
2009	2,497	(NA)	1,477	(NA)	90	14	225,861	3,271,155
2010	2,559	(NA)	1,485	(NA)	58	14	207,283	3,277,930
2011	2,636	(NA)	1,539	(NA)	77	14	210,459	3,135,110
2012	2,710	(NA)	1,591	(NA)	74	14	233,994	3,221,734
2013	2,771	(NA)	1,591	(NA)	61	16	229,405	3,346,534
2014	2,799	(NA)	1,357	(NA)	73	16	220,553	3,324,607
2015	2,892	(NA)	1,342	(NA)	92	16	190,706	3,521,581
2016	3,164	1,113	1,773	1,113	73	17	199,677	3,378,388
2017	3,453	1,840	2,034	1,840	61	19	220,094	3,409,451
2018	3,529	2,027	2,114	2,027	56	19	199,065	3,256,837

NA Not available.

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.

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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 17.01-- CONSUMPTION OF ENERGY, BY SOURCE (PHYSICAL UNITS):
1960 TO 2016**

Year	Coal (1,000 short tons)	Natural gas (billion cubic feet) 1/	Petroleum (1,000 barrels)	Hydroelectric power (million kWh) 2/	Fuel ethanol (1,000 barrels) 3/
1960	-	-	16,844	27	(NA)
1965	-	-	22,478	105	(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	-
2001	829	3	41,479	101	-
2002	748	3	44,772	95	-
2003	784	3	46,861	91	-
2004	797	3	49,098	94	-
2005	740	3	51,267	96	4/ 344
2006	714	3	51,564	120	4/ 392
2007	764	3	52,905	92	4/ 501

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**Table 17.01-- CONSUMPTION OF ENERGY, BY SOURCE (PHYSICAL UNITS):
1960 TO 2016 -- Con.**

Year	Coal (1,000 short tons)	Natural gas (billion cubic feet) 1/	Petroleum (1,000 barrels)	Hydroelectric power (million kWh) 2/	Fuel ethanol (1,000 barrels) 3/
2008	840	3	42,397	84	4/ 930
2009	791	3	42,472	113	4/ 1,065
2010	803	3	4/ 42,754	70	4/ 804
2011	783	3	4/ 44,379	93	4/ 933
2012	803	3	4/ 42,770	115	4/ 847
2013	753	3	4/ 42,336	78	4/ 874
2014	831	3	4/ 41,974	94	4/ 953
2015	747	3	4/ 42,786	121	4/ 1,147
2016	787	3	42,246	91	1,152

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)
"Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2016, Hawaii"
(CT1) <https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf> accessed May 19, 2019.

Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1970 TO 2016

[Trillion Btu]

Year	Total 1/	Fossil fuels			Renewable energy					Fossil fuels (as commingled)	
		Coal	Natural gas 2/	Petroleum	Hydro- electric power 3/	Biomass	Geo- thermal	Solar/PV 4/	Wind	Natural gas 2/ 5/	Motor gasoline 2/ 6/
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	0.2	-	-	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	0.2	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	306.0	6.8	-	272.5	0.6	24.9	(7/)	1.0	0.2	2.9	46.6

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Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1970 TO 2016 -- Con.

[Trillion Btu]

Year	Total 1/	Fossil fuels			Renewable energy					Fossil fuels (as commingled)	
		Coal	Natural gas 2/	Petroleum	Hydro- electric power 3/	Biomass	Geo- thermal	Solar/PV 4/	Wind	Natural gas 2/ 5/	Motor gasoline 2/ 6/
1993	282.9	15.6	-	239.5	0.6	24.4	1.6	1.1	0.2	2.8	47.4
1994	299.3	15.7	-	258.2	1.4	20.7	1.9	1.1	0.2	2.9	48.9
1995	297.0	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	1.2	0.2	2.7	48.8
1998	273.5	18.2	-	233.6	1.2	16.5	2.4	1.3	0.2	2.8	48.7
1999	269.4	17.7	-	230.0	1.2	17.0	2.2	1.3	0.2	2.9	46.7
2000	273.4	17.7	0.1	235.3	1.1	15.2	2.7	1.3	0.2	3.0	48.4
2001	270.2	17.8	0.1	239.9	1.0	7.9	2.1	1.2	(7/)	2.9	50.6
2002	284.8	16.6	0.1	257.6	1.0	7.5	0.7	1.2	(7/)	2.9	54.3
2003	301.0	18.0	0.1	269.5	0.9	9.3	1.8	1.3	(7/)	2.9	55.1
2004	314.8	17.9	0.2	282.9	0.9	9.3	2.1	1.3	0.1	2.9	55.9
2005	324.7	16.5	0.2	293.9	1.0	9.6	2.2	1.3	0.1	2.9	57.1
2006	327.2	16.1	0.2	8/ 295.5	1.2	9.9	2.1	1.4	0.8	2.9	59.9
2007	337.7	17.1	0.2	303.7	0.9	9.7	2.3	1.5	2.4	3.0	58.5
2008	276.6	18.1	0.1	239.3	0.8	11.8	2.3	1.8	2.4	2.8	54.7
2009	276.0	17.1	0.2	239.3	1.1	8/ 12.3	1.6	2.0	2.5	2.7	55.3
2010	8/ 277.1	17.1	0.2	8/ 241.9	0.7	8/ 10.5	2.0	2.3	2.5	2.7	50.7
2011	8/ 285.5	16.1	0.2	8/ 249.5	0.9	10.6	2.2	2.8	3.3	2.7	56.5
2012	8/ 277.9	16.6	0.2	8/ 240.1	1.1	9.6	2.5	4.3	3.6	2.8	53.6
2013	8/ 278.5	15.3	0.2	8/ 237.6	0.7	11.2	2.6	6.1	4.8	2.9	54.4
2014	8/ 279.3	17.2	0.2	8/ 234.5	0.9	11.0	2.4	7.5	5.5	2.8	54.8
2015	8/ 283.2	15.6	0.2	8/ 238.5	1.1	11.5	2.2	8/ 8.3	5.7	2.9	8/ 55.9
2016	282.9	16.4	0.2	234.9	0.8	12.5	2.4	9.8	5.9	3.0	56.8

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Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1970 TO 2016 -- Con.

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. In 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) "Primary Energy Consumption Estimates, Selected Years, 1960-2016, Hawaii" (CT2) <https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf> accessed May 19, 2019.

**Table 17.03-- CONSUMPTION OF ENERGY, BY END-USE SECTOR:
1960 TO 2016**

[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	32.0	34.0	95.6	121.6	107.4
1997	32.1	35.5	88.7	117.3	107.3
1998	32.3	45.9	80.7	114.6	105.6

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**Table 17.03-- CONSUMPTION OF ENERGY, BY END-USE SECTOR:
1960 TO 2016 -- Con.**

[Trillion Btu]

Year	Residential 1/ 2/	Commercial 1/ 3/ 4/ 5/	Industrial 1/ 4/ 5/	Transportation 1/ 4/	Electric power 1/ 2/
1999	32.4	36.0	78.0	123.1	106.6
2000	33.0	37.3	78.0	125.2	108.5
2001	32.2	36.6	69.5	132.0	105.3
2002	34.5	39.4	70.8	140.2	110.9
2003	31.8	37.5	68.8	162.9	102.7
2004	32.6	41.3	68.9	172.0	104.4
2005	33.3	39.9	72.4	179.1	104.1
2006	33.7	40.7	71.6	181.3	104.7
2007	34.1	40.2	69.0	194.4	105.7
2008	33.4	40.9	65.8	136.5	102.8
2009	33.3	40.7	69.1	133.0	100.3
2010	32.6	40.1	68.0	6/ 136.4	98.7
2011	6/ 32.5	41.1	6/ 67.5	6/ 144.4	98.9
2012	31.5	6/ 39.1	65.1	6/ 142.2	94.8
2013	30.9	40.6	6/ 65.4	6/ 141.7	92.3
2014	31.4	6/ 41.1	64.5	142.2	92.1
2015	31.8	6/ 41.4	6/ 64.2	6/ 145.8	91.6
2016	32.7	41.5	62.5	146.2	91.8

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, 1960-2016, Hawaii (CT4-CT8), and earlier editions
<https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf> accessed May 19, 2019.

Table 17.04-- PRIMARY ENERGY CONSUMPTION AND ELECTRICITY SALES, TOTAL AND PER CAPITA: 1995 TO 2017

Year	Primary energy consumption		Electricity sales by utilities	
	Total (billion Btu)	Per capita (million Btu) 2/	Total (1,000 kWh)	Per capita (kWh) 2/
1995 1/	296,774	228.8467	9,188	7,078
1996 1/	283,060	217.2649	9,379	7,193
1997 1/	273,483	206.0455	9,363	7,037
1998 1/	273,387	205.0482	9,261	6,942
1999 1/	269,352	202.2617	9,381	7,040
2000 1/	273,307	204.7111	9,691	7,253
2001 1/	270,115	202.0927	9,785	7,309
2002 1/	284,651	210.5612	9,892	7,360
2003 1/	300,905	221.5970	10,391	7,512
2004 1/	314,701	226.9509	10,732	7,573
2005 1/	324,677	230.0269	10,539	7,461
2006 1/	327,116	228.8608	10,568	7,387
2007 1/	337,594	235.8076	10,585	7,384
2008 1/	276,444	193.4260	10,390	7,252
2009 1/	275,894	191.7964	10,126	7,020
2010 1/	277,125	188.7087	10,017	6,819
2011 1/	285,580	191.6064	9,962	6,691
2012 1/	277,993	183.0864	9,639	6,361
2013 1/	278,467	180.6185	9,503	6,179
2014 1/	279,315	179.1634	9,475	6,073
2015 1/	282,832	179.4748	9,511	6,008
2016 1/	282,609	178.6890	9,445	5,966
2017	283,414	199.0000	9,324	5,851

1/ 'Total' and 'Per capita' for 'Primary energy consumption' revised from previous Data Book.

2/ Based on estimated de facto population.

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 27, 2019 and calculations by Hawaii State Department of Business, Economic Development and Tourism.

Table 17.05-- PRIMARY ENERGY CONSUMPTION, BY SOURCE: 2001 TO 2017

[Billion Btu. Components may not sum to totals due to rounding]

Year	Total	Petroleum	Coal	Natural gas	Renewable
2001	1/ 270,115	1/ 239,817	17,774	134	12,389
2002	1/ 284,651	1/ 257,441	16,618	140	10,452
2003	1/ 300,905	1/ 269,414	18,044	137	13,310
2004	1/ 314,701	1/ 282,864	17,913	155	13,769
2005	1/ 324,677	1/ 295,039	16,506	195	1/ 14,128
2006	1/ 327,116	1/ 296,835	16,102	179	1/ 15,362
2007	1/ 337,594	1/ 305,278	17,107	173	1/ 16,773
2008	1/ 276,444	1/ 242,279	18,095	148	1/ 19,145
2009	1/ 275,894	1/ 242,829	17,083	167	1/ 19,503
2010	1/ 277,125	1/ 244,593	17,117	161	1/ 18,042
2011	1/ 285,580	1/ 252,695	16,080	158	1/ 19,883
2012	1/ 277,993	1/ 243,028	16,572	187	1/ 21,143
2013	1/ 278,467	1/ 240,572	15,306	197	1/ 25,424
2014	1/ 279,315	1/ 237,826	17,241	167	1/ 27,390
2015	1/ 282,832	1/ 242,434	15,632	196	1/ 28,553
2016	1/ 282,609	1/ 238,881	16,431	1/ 162	1/ 31,136
2017	283,414	241,871	14,948	163	30,471
Year	Biomass	Solar	Wind	Geothermal	Hydro
2001	7,947	1/ 1,237	22	2,143	1,041
2002	7,480	1,240	16	748	967
2003	9,305	1/ 1,260	16	1,813	916
2004	9,336	1/ 1,273	75	2,144	941
2005	9,574	1/ 1,302	66	2,224	962
2006	9,885	1/ 1,382	790	2,114	1,191
2007	9,707	1/ 1,520	2,354	2,280	913
2008	11,834	1/ 1,799	2,365	2,316	831
2009	12,274	1/ 2,033	2,454	1,643	1,099
2010	1/ 10,532	1/ 2,311	2,547	1,964	687
2011	1/ 10,614	1/ 2,870	3,311	2,183	905
2012	1/ 9,629	1/ 4,333	3,599	2,491	1,090
2013	1/ 11,189	6,056	4,802	2,630	747
2014	1/ 11,017	1/ 7,553	5,503	2,422	895
2015	1/ 11,203	1/ 8,356	5,710	2,154	1,129
2016	1/ 12,181	1/ 9,807	5,900	2,409	839
2017	9,411	12,570	4,902	2,980	609

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 27, 2019 and calculations by
Hawaii State Department of Business, Economic Development and Tourism.

Table 17.06-- ELECTRICITY GENERATION, BY SOURCE: 2001 TO 2017

[Millions of kWh generated]

Year	Total	Petroleum	Coal	Wind	Biomass
2001	10,633.093	8,223.824	1,604.764	2.122	287.708
2002	11,663.070	9,466.990	1,545.797	1.614	296.543
2003	10,976.371	8,502.550	1,644.137	1.572	347.167
2004	11,410.403	8,944.696	1,603.751	7.495	328.832
2005	11,522.805	9,067.592	1,630.918	6.632	309.740
2006	11,559.174	9,054.474	1,548.595	79.674	325.692
2007	11,533.350	8,914.207	1,578.931	238.184	285.277
2008	11,376.385	8,669.934	1,647.592	240.023	302.423
2009	11,010.533	8,289.107	1,500.166	251.427	284.427
2010	10,836.036	8,087.337	1,545.513	261.120	283.474
2011	10,723.333	7,923.925	1,424.036	340.812	312.627
2012	10,469.269	7,482.760	1,537.340	378.234	280.976
2013	10,267.052	7,222.766	1,403.754	503.310	329.364
2014	10,204.158	6,925.919	1,511.184	578.617	334.030
2015	10,120.000	7,023.000	1,337.000	613.000	320.000
2016	9,948.845	6,640.316	1,497.380	639.127	359.466
2017	9,812.000	6,633.596	1,375.724	532.055	292.762

Year	Geothermal	Hydro	Other gases 1/	Solar	Others
2001	206.592	100.750	37.855	-	169.478
2002	72.761	95.068	40.816	-	143.481
2003	178.292	90.505	40.251	-	171.897
2004	213.288	93.901	47.908	-	170.532
2005	221.597	96.188	41.133	-	149.005
2006	212.276	120.087	42.757	-	175.619
2007	229.886	92.343	45.226	-	149.296
2008	234.333	84.343	38.572	-	159.147
2009	167.591	112.649	22.345	1.390	381.431
2010	200.595	70.423	21.915	1.770	363.889
2011	223.888	93.141	35.250	3.593	366.061
2012	260.997	114.581	47.036	4.608	362.736
2013	274.841	78.295	41.330	19.466	393.927
2014	253.841	94.083	62.204	39.262	405.019
2015	230.000	121.000	55.000	54.400	369.000
2016	260.102	90.849	51.006	88.511	322.089
2017	322.592	66.075	52.022	174.101	363.123

1/ Other gases include 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 1990-2016 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 27, 2019.

Table 17.07-- ELECTRICITY PRODUCTION, BY SOURCE AND BY ISLAND: 2017

[Million kWh]

Island	Total	Petroleum	Coal	Wind	Biomass
State total	9,812.05	6,633.60	1,375.72	532.06	292.76
Hawaii	1,148.54	704.04	-	81.87	-
Maui	1,118.00	915.19	-	189.55	-
Lanai	33.05	33.05	-	-	-
Molokai	31.78	31.78	-	-	-
Oahu	7,006.65	4,583.75	1,375.72	260.63	285.30
Kauai	474.04	365.79	-	-	7.47
Island	Geothermal	Hydro	Other gases 1/	Solar	Others
State total	322.59	66.08	52.02	174.10	363.12
Hawaii	322.59	40.03	-	-	-
Maui	-	1.21	-	12.05	-
Lanai	-	-	-	-	-
Molokai	-	-	-	-	-
Oahu	-	-	52.02	86.10	363.12
Kauai	-	24.84	-	75.94	-

1/ Other gases include 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 1990-2016 Net Generation: by State, Type of Producer, and Energy Source (EIA-906, EIA-920, and EIA-923) <<http://www.eia.gov/electricity/data/state/>> accessed July 2, 2019 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 2017**

[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	732.5	1,017.7	285.3
1996	2,305.8	1,532.5	773.3	1,119.7	346.3
1997	2,272.6	1,455.8	816.8	1,152.7	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	842.1	1,341.2	499.0
2001	2,779.2	1,891.1	888.1	1,353.4	465.2
2002	2,688.2	1,882.7	805.5	1,300.2	494.7
2003	3,335.9	2,341.4	994.5	1,478.9	484.4
2004	4,024.6	2,886.3	1,138.3	1,654.9	516.6
2005	4,996.9	3,892.2	1,104.7	1,897.8	793.2
2006	5,729.1	4,535.9	1,193.2	2,152.2	959.0
2007	6,177.1	4,994.8	1,182.3	2,213.3	1,031.0
2008	6,828.5	5,297.3	1,531.2	2,978.3	1,447.2
2009	4,804.8	1/ 3,540	1/ 1,264.8	2,111.7	1/ 846.9
2010	1/ 5,865.6	1/ 4,532.6	1,333.0	2,473.3	1,140.3
2011	1/ 7,684.5	1/ 6,186.1	1/ 1,498.4	3,090.5	1/ 1,592.1
2012	1/ 7,846.8	1/ 6,247.6	1/ 1,599.2	3,219.0	1/ 1,619.8
2013	1/ 7,685.5	1/ 6,014.3	1/ 1,671.2	3,153.6	1/ 1,482.4
2014	1/ 7,434.9	1/ 5,648.7	1/ 1,786.2	3,159.3	1/ 1,373.1
2015	1/ 5,707.4	1/ 4,008.7	1/ 1,698.7	2,474.9	1/ 776.2
2016	1/ 5,038.1	3,403.0	1/ 1,635.1	2,242.6	1/ 607.6
2017	5,549.5	3,900.4	1,649.1	2,416.2	767.1

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, 2019 and calculations by the Hawaii State Department of Business, Economic Development and Tourism.

Table 17.09-- ELECTRIC UTILITIES: 2003 TO 2018

Year	Customers, Dec. 31			Power sold (1,000 kWh)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
2003	449,354	387,162	62,192	10,206,405	3,024,509	7,181,896
2004	455,278	391,567	63,711	10,508,642	3,156,499	7,352,143
2005	463,088	398,332	64,756	10,538,507	3,164,029	7,374,478
2006	469,013	403,278	65,735	10,567,912	3,182,431	7,385,481
2007	475,104	408,923	66,181	10,585,037	3,200,674	7,384,363
2008	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	488,456	423,281	65,175	9,496,294	2,606,502	6,889,793
2014	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
2016	497,292	431,496	65,796	9,284,424	2,496,694	6,787,729
2017	499,664	435,104	64,560	9,135,529	2,503,831	6,631,699
2018	500,794	436,545	64,249	9,139,886	2,585,508	6,554,378

Year	Average annual use (kWh) 2/		Average rate (dollars per kWh)		Revenues (\$1,000)		
	Residen- tial 1/	Other	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
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	7,891	112,352	0.23347	0.19595	2,190,152	742,994	1,447,159
2007	7,827	111,578	0.24122	0.20061	2,253,431	772,064	1,481,367
2008	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	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
2016	5,786	103,163	0.27819	0.22555	2,225,520	694,564	1,530,956
2017	5,755	102,722	0.29967	0.24800	2,394,971	750,316	1,644,655
2018	5,923	102,015	0.33092	0.27923	2,685,761	855,607	1,830,154

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Table 17.09-- ELECTRIC UTILITIES: 2003 TO 2018 -- 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; The 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: 2018

Island	Customers, Dec. 31			Net peak demand (mW)	Power sold (1,000 kWh)		
	Total	Residen- tial 1/	Other		Total	Residen- tial 1/	Other
State total	500,794	436,545	64,249	1,551.5	9,139,886	2,585,508	6,554,378
Oahu	305,456	271,807	33,649	1,090.6	6,525,670	1,607,867	4,917,803
Hawaii	85,758	74,288	11,470	180.5	1,064,082	419,892	644,190
Kauai	37,705	29,040	8,665	73.8	451,114	174,726	276,388
Lanai	1,737	1,485	252	5.3	29,263	7,979	21,284
Maui	66,902	57,232	9,670	195.7	1,040,743	364,501	676,241
Molokai	3,236	2,693	543	5.6	29,014	10,542	18,472
Island	Average annual use (kWh) 2/		Average rate (dollars per kWh)		Revenues (\$1,000)		
	Residen- tial 1/	Other	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
State total	5,923	102,015	0.29020	0.25092	2,394,971	750,316	1,644,655
Oahu	5,915	146,150	0.31329	0.26092	1,786,888	503,736	1,283,153
Hawaii	5,652	56,163	0.37075	0.33536	371,713	155,676	216,037
Kauai	6,017	31,897	0.37298	0.35104	162,193	65,170	97,023
Lanai	5,373	84,462	0.40137	0.40499	11,822	3,202	8,620
Maui	6,369	69,932	0.33907	0.32257	341,723	123,590	218,133
Molokai	3,915	34,018	0.40156	0.38917	11,422	4,233	7,189

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

Table 17.11-- GAS UTILITIES: 2003 TO 2018

[Excludes bottled gas]

Year	Customers, Dec. 31			Gas sold (million therms)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
2003	36,046	32,415	3,631	33.6	5.2	28.4
2004	36,049	32,413	3,636	34.2	5.1	29.2
2005	35,850	32,229	3,621	34.2	5.0	29.2
2006	35,793	32,164	3,629	34.3	5.0	29.4
2007	35,692	32,078	3,614	34.7	4.9	29.8
2008	35,364	31,752	3,612	33.1	4.8	28.3
2009	35,449	31,821	3,628	31.9	4.7	27.2
2010	35,317	31,656	3,661	32.3	4.7	27.5
2011	35,226	31,552	3,674	32.4	4.5	27.9
2012	35,183	31,478	3,705	32.3	4.6	27.7
2013	35,116	31,412	3,704	33.1	4.4	28.7
2014	35,186	31,463	3,723	33.1	4.3	28.8
2015	35,248	31,482	3,766	34.1	4.3	29.8
2016	35,408	31,574	3,834	35.5	4.3	31.2
2017	35,494	31,638	3,856	36.2	4.3	31.8
2018	35,694	31,794	3,900	37.6	4.4	33.2

Year	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues (\$1,000,000)		
	Residen- tial 1/	Other	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
2003	159	7,818	3.06	1.71	64.4	15.8	48.6
2004	157	8,018	3.23	1.88	71.2	16.5	54.8
2005	156	8,066	3.64	2.27	84.5	18.4	66.2
2006	155	8,090	3.87	2.46	91.6	19.3	72.3
2007	154	8,232	3.94	2.53	94.5	19.4	75.1
2008	151	7,833	4.89	3.47	121.7	23.5	98.2
2009	149	7,491	4.19	2.68	92.7	19.9	72.9
2010	150	7,522	4.99	3.27	113.8	23.6	90.2
2011	144	7,585	6.05	4.02	139.5	27.5	112.0
2012	146	7,481	5.61	4.28	144.5	25.8	118.7
2013	141	7,737	5.45	3.91	136.3	24.2	112.1
2014	137	7,738	5.48	3.89	135.8	23.6	112.2
2015	136	7,909	4.68	2.94	107.6	20.1	87.5
2016	138	8,129	4.31	2.50	96.8	18.7	78.0
2017	137	8,306	4.53	2.74	107.1	19.7	87.4
2018	138	8,511	5.09	3.13	126.1	22.3	103.9

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Table 17.11-- GAS UTILITIES: 2003 TO 2018 -- 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; The 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: 2018

[Excludes bottled gas]

Island	Customers, December 31			Gas sold (1,000 therms)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
State total	35,694	31,794	3,900	37,571	4,377	33,195
Oahu	31,861	28,413	3,448	33,766	3,745	30,021
Hawaii	2,013	1,676	337	2,689	379	2,310
Kauai	1,030	1,010	20	208	132	76
Lanai	22	22	-	3	3	-
Maui	695	600	95	892	104	788
Molokai	73	73	-	13	13	-

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	138	8,511	5.09021	3.12893	126,142	22,278	103,864
Oahu	132	8,707	5.25713	3.24052	116,971	19,686	97,285
Hawaii	226	6,855	4.15123	2.07622	6,369	1,573	4,796
Kauai	131	3,776	4.22526	2.04974	714	559	155
Lanai	153	-	4.49091	-	15	15	-
Maui	173	8,292	3.75579	2.06648	2,018	390	1,628
Molokai	184	-	4.04874	-	54	54	-

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 the 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 2018**

Year	Number of customers, Dec. 31		Net input (1,000 kWh) 1/	Electricity sales (1,000 kWh)	Average annual residential use (kWh) 2/	Average residential rate (dollars per kWh)	Generating capability Dec. 31 (1,000 kW) 3/
	Total	Residen- tial 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
2016	304,261	270,451	6,963,058	6,660,195	5,856	0.26069	1,735
2017	304,948	271,065	6,854,689	6,548,697	5,829	0.28215	1,735
2018	305,456	269,981	6,807,785	6,525,670	5,917	0.31194	1,794

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 2018**

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	2/ 141
2013	31,730	28,481	29,711	3,923	2/ 138
2014	31,766	28,504	29,703	3,790	133
2015	31,772	28,475	30,642	3,768	132
2016	31,829	28,469	32,109	3,807	134
2017 2/	35,494	31,668	36,292	4,349	137
2018	35,694	31,825	37,445	4,358	137

1/ Includes liquefied petroleum gas.

2/ Revised from previous *Data Book*.

Source: The Gas Company LLC, formerly The Gas Company, Inc., records.

Table 17.15-- LIQUID FUEL TAX BASE: 2004 TO 2018

[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
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
2016	844,235	671,751	461,719	136,249	46,245
2017	945,406	697,345	476,901	139,233	48,092
2018	930,729	665,805	463,671	116,955	47,573

Year reported	Liquefied petroleum gas		Aviation fuel	Small boats		Other fuel 1/
	Off hwy.	Hwy. use		Gasoline	Diesel oil	
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
2016	-	12	172,483	541	3,221	23,765
2017	-	7	248,061	1,034	3,422	28,656
2018	-	26	264,923	1,567	2,625	33,387

1/ Includes ethanol, methanol, biodiesel, naphtha, noncompressed natural gas, and liquefied natural gas.

Source: Hawaii State Department of Taxation, Tax Research & Planning, "Liquid Fuel Tax Base & Tax Collections" (annual) <http://tax.hawaii.gov/stats/a5_3txcolrpt/> accessed May 20, 2019.

Table 17.16-- LIQUID FUEL TAX BASE, BY COUNTY: 2018

[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	930,729	499,773	170,293	171,869	88,793
Gasoline	463,671	286,560	65,077	81,284	30,750
Diesel oil, non-hwy.	116,955	78,611	16,085	11,693	10,566
Diesel oil, hwy. use	47,573	26,622	6,029	11,675	3,247
Liq. pet. gas, hwy. use	26	23	(1/)	3	1
Small boats, gasoline	1,567	1,137	121	309	-
Small boats, diesel oil	2,625	2,625	-	-	-
Aviation fuel	264,923	102,665	82,625	49,396	30,238
Other fuel 2/	33,387	1,530	358	17,509	13,991

1/ Value rounds to zero.

2/ Includes Ethanol, Methanol, Biodiesel, Naphtha, Compressed Natural Gas, and Liquefied Natural Gas.

Source: Hawaii State Department of Taxation, Tax Research & Planning, "Liquid Fuel Tax Base & Tax Collections - CY Ending December 31, 2018" <<http://files.hawaii.gov/tax/stats/monthly/2018cy-fuels-base.pdf>> accessed May 20, 2019.

**Table 17.17-- GASOLINE STATIONS (NAICS 447), BY COUNTY:
1998 TO 2016**

[Excludes most government employees, railroad employees, and self-employed persons]

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
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
2014	284	171	57	17	39
2015	284	166	57	23	38
2016	264	153	54	20	37

Source: U.S. Census Bureau, *County Business Patterns* "Geography Area Series: County Business Patterns" (CB1600A11) (annual) <<http://factfinder.census.gov/>> accessed May 21, 2019.

Table 17.18-- BOILERS AND PRESSURE VESSELS, BY ISLAND: 2018

[As of December 31]

Island	Total	Power boilers	Heating boilers	Pressure vessels
State total	10,367	423	2,600	7,344
Hawaii	1,472	79	342	1,051
Maui	1,188	54	346	788
Lanai	49	2	17	30
Molokai	42	2	6	34
Oahu	7,059	261	1,739	5,059
Kauai	557	25	150	382

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 2016

[Millions of dollars. For fiscal year ending September 30]

Year	Total	R&D	R&D plant
2000	236.1	234.3	1.8
2001	438.5	435.7	2.8
2002	434.7	428.3	6.4
2003	415.8	413.9	1.9
2004	495.2	488.2	7.0
2005	644.1	600.3	43.8
2006	385.9	380.3	5.6
2007	387.2	379.2	8.0
2008	350.9	347.8	3.1
2009	412.8	387.5	25.3
2010	427.5	389.4	38.1
2011	426.9	403.6	23.3
2012	397.9	382.5	15.4
2013	361.0	348.0	13.0
2014	341.7	326.5	15.2
2015	319.6	305.4	14.2
2016	298.6	283.8	14.8

Source: National Science Foundation/Division of Science Resources Statistics, *Federal Funds for Research and Development*, tables 88, 128-131 <<https://ncesdata.nsf.gov/fedfunds>> accessed May 21, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 17.20-- PRIVATE SECTOR TECHNOLOGY JOBS AND AVERAGE EARNINGS: 2009 TO 2018

[Jobs includes paid employees and proprietors. 2009-2017 revised from previous *Data Book*]

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Average earnings in 2018 1/
Technology sector	23,676	23,460	23,436	23,829	23,976	23,602	23,843	23,464	23,556	23,963	83,234
Computer services	6,532	6,376	6,279	6,409	6,489	6,413	6,578	6,401	6,544	6,497	88,802
Engineering and related services	6,000	5,910	5,968	6,081	6,076	6,164	6,274	6,253	6,276	6,437	96,866
Technical consulting services	3,939	4,086	4,115	4,287	4,481	4,443	4,550	4,590	4,759	4,950	64,953
Research & development services	2,623	2,570	2,530	2,495	2,413	2,056	1,902	1,865	1,638	1,516	89,211
Research & devel. in biotech.	676	658	693	688	609	555	519	513	413	355	85,871
Information & telecoms tech.	1,295	1,286	1,238	1,285	1,409	1,439	1,423	1,373	1,384	1,427	59,413
Medical labs and imaging centers	1,688	1,697	1,742	1,701	1,689	1,743	1,779	1,754	1,741	1,796	65,733
Technology equipment distribution	853	801	775	776	740	731	753	680	678	810	114,317
Technology manufacturing	746	734	789	794	679	614	583	548	535	531	78,989
Alternate power generation	47	50	24	47	42	15	2	5	-	-	-
Chemical & pharm. manufacturing	99	91	92	106	157	171	95	73	83	77	161,247
Other technology manufacturing	94	86	125	157	127	89	114	76	76	65	57,666
Medical device manufacturing	506	507	548	485	354	339	372	394	376	389	66,371

1/ Average earnings include wages and salaries, supplements to wages and salaries, and proprietors' income.

Source: Hawaii State Department of Business, Economic Development and Tourism, records; see also *Hawaii's Targeted & Emerging Industries Report* (annual) <http://dbedt.hawaii.gov/economic/reports_studies/emerging-industries/>.

Table 17.21-- TECHNOLOGY AND SCIENCE INDEX, BY STATE: 2018

[The State Technology and Science Index observes 79 unique indicators that are categorized into the five major components shown below]

State	Average score	Ranking					
		Overall	Human capital invest.	Risk capital & entrepreneurial infrast.	Research & dev't inputs	Tech. concentration & dynamism	Tech. & science workforce
Massachusetts	86.25	1	1	1	1	3	3
Colorado	80.08	2	3	2	3	5	4
Maryland	79.24	3	2	6	2	11	1
California	78.08	4	10	4	4	2	6
Utah	75.27	5	5	3	11	1	9
Washington	74.60	6	14	5	10	4	2
Delaware	66.13	7	12	15	9	21	5
Minnesota	63.11	8	4	21	21	18	7
New Hampshire	62.34	9	15	23	5	19	11
Oregon	61.76	10	20	16	13	13	10
North Carolina	61.24	11	22	9	14	10	19
Virginia	60.28	12	8	34	16	7	8
Pennsylvania	59.58	13	13	14	8	31	15
Connecticut	59.50	14	7	25	6	25	18
Illinois	58.35	15	6	10	15	24	26
New York	57.52	16	9	6	18	16	38
Arizona	56.73	17	27	30	17	9	14
Michigan	56.37	18	23	12	12	20	31
Rhode Island	56.34	19	11	13	7	38	21
Texas	55.60	20	36	11	28	8	17
New Jersey	55.12	21	21	20	25	14	20
Georgia	53.25	22	30	19	32	6	28
Vermont	53.24	23	16	31	30	23	16
New Mexico	52.06	24	31	18	20	35	22
Wisconsin	51.96	25	25	16	19	28	30
Idaho	50.99	26	41	28	31	17	12
Ohio	50.88	27	26	24	26	33	23
Montana	49.22	28	35	32	23	26	24
Indiana	46.10	29	24	21	22	34	41
Missouri	46.03	30	29	27	36	27	27
Kansas	45.29	31	33	37	38	15	32
Alabama	43.40	32	38	39	24	29	33
Florida	42.39	33	43	8	42	12	45
Nebraska	40.84	34	19	33	33	43	29
Hawaii	39.21	35	32	47	29	36	34
Iowa	38.82	36	18	41	27	41	44
South Carolina	38.00	37	47	26	40	32	36
North Dakota	36.37	38	17	44	37	47	35

Continued on next page.

Table 17.21-- TECHNOLOGY AND SCIENCE INDEX, BY STATE: 2018 -- Con.

State	Average score	Ranking					
		Overall	Human capital invest.	Risk capital & entrepreneurial infrast.	Research & dev't inputs	Tech. concentration & dynamism	Tech. & science workforce
Tennessee	36.23	39	40	38	39	29	42
Maine	35.77	40	37	29	43	39	39
Alaska	35.70	41	39	48	35	45	13
Wyoming	35.13	42	34	46	34	46	25
South Dakota	31.86	43	28	45	41	44	37
Nevada	30.45	44	49	34	49	22	50
Louisiana	25.53	45	44	40	47	40	49
Kentucky	25.48	46	45	42	44	37	47
Oklahoma	25.01	47	50	43	45	41	40
Arkansas	23.32	48	48	36	48	49	46
West Virginia	19.96	49	42	50	50	50	43
Mississippi	19.78	50	45	49	46	47	48

Source: Milken Institute *State Technology and Science Index: Sustaining America's Innovation Economy 2018* <<http://statetechandscience.org/statetech.taf?page=state-ranking>> accessed May 22, 2019.

**Table 17.22-- RESEARCH AND NON-RESEARCH EXTRAMURAL FUNDING,
FOR THE UNIVERSITY OF HAWAII: 1992 TO 2018**

[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]

Year	Total		Research		Non-research	
	Awards	Amount (dollars)	Awards	Amount (dollars)	Awards	Amount (dollars)
1992	1,221	124,876,638	703	65,791,624	518	59,085,014
1993	1,146	131,075,215	636	61,059,928	510	70,015,287
1994	1,322	142,563,794	755	77,763,782	567	64,800,012
1995	1,147	139,199,221	616	70,222,653	531	68,976,568
1996	1,191	134,469,155	697	76,698,552	494	57,770,603
1997	1,255	160,859,800	724	89,131,636	531	71,728,164
1998	1,300	159,948,612	763	91,746,988	537	68,201,624
1999	1,254	164,168,101	707	92,737,645	547	71,430,456
2000	1,379	180,629,855	767	102,845,010	612	77,784,845
2001	1,405	216,233,918	835	132,833,308	570	83,400,610
2002	1,629	252,370,477	971	141,875,022	658	110,495,455
2003	1,646	323,868,218	976	190,374,465	670	133,493,753
2004	1,675	328,982,431	1,002	199,944,709	673	129,037,722
2005	1,742	354,127,142	1,022	209,196,531	720	144,930,611
2006	1,785	433,360,395	1,068	236,708,881	717	196,651,514
2007	1,778	354,031,667	1,081	209,909,883	697	144,121,784
2008	1,758	367,580,150	1,093	211,778,184	665	155,801,966
2009	1,990	413,963,739	1,147	246,546,713	843	167,417,026
2010	1,944	452,408,669	1,161	255,734,059	783	196,674,610
2011	1,799	488,597,908	1,070	281,745,764	729	206,852,144
2012	1,727	435,874,967	1,039	256,980,266	688	178,894,701
2013	1,801	409,783,318	1,006	222,207,539	795	187,575,779
2014	1,774	392,314,955	1,081	238,286,786	693	154,028,169
2015	1,823	425,650,338	1,080	236,114,373	743	189,535,965
2016	1,855	391,334,528	1,025	199,840,628	830	191,493,900
2017	1,886	387,001,705	1,077	209,249,788	809	177,751,917
2018	1,879	386,311,703	1,072	215,982,321	807	170,329,382

Source: University of Hawaii, Office of Research Services, *2017-2018 Online Executive Managerial Report* <<http://http://www.ors.hawaii.edu/index.php/reports/annual-executive-managerial-reports/111-reports/annual-reports/391-2017-2018-annual-report>> accessed May 22, 2019 and previous reports.

**Table 17.23-- RESEARCH AND DEVELOPMENT EXPENDITURES AT
HIGHER EDUCATION INSTITUTIONS: 1994 TO 2017**

[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
1994 2/	70,079	39,392	25,204	434	(NA)	3,290	1,759
1995 2/	78,429	44,238	26,789	299	(NA)	3,738	3,365
1996 2/	111,202	66,902	31,826	8,088	(NA)	4,386	-
1997 2/	120,107	72,421	28,440	5,944	(NA)	13,297	5
1998 3/	148,007	86,886	37,002	10,949	(NA)	13,170	-
1999 3/	156,810	93,418	35,111	13,021	(NA)	15,260	-
2000 3/	161,300	95,419	35,474	11,158	(NA)	19,249	-
2001 3/	156,976	97,716	33,125	7,232	(NA)	18,903	-
2002 3/	172,664	119,381	31,062	9,971	(NA)	12,232	18
2003 3/	184,602	148,662	11,822	6,931	(NA)	17,171	16
2004 4/	241,346	191,252	8,815	21,234	(NA)	19,892	153
2005 4/	240,247	199,135	7,077	12,155	(NA)	21,282	598
2006 4/	257,478	210,097	8,933	12,551	(NA)	25,888	9
2007 4/	274,373	215,806	15,534	22,080	(NA)	16,352	4,601
2008 4/	278,751	200,385	18,192	26,928	(NA)	28,132	5,114
2009 4/	300,302	211,256	17,479	30,357	(NA)	32,198	9,012
2010 5/	317,942	208,540	23,669	24,315	7,989	45,016	8,413
2011 5/	363,887	241,686	22,399	23,362	11,019	57,502	7,919
2012 5/	335,704	215,593	16,406	21,389	6,642	67,934	7,740
2013 5/	343,802	241,600	11,812	73,645	3,863	6,270	6,612
2014 5/	330,897	212,525	8,115	3,436	6,759	89,409	10,653
2015 5/	332,233	213,763	14,140	6,702	9,748	85,793	2,087
2016 5/	318,134	201,809	15,402	5,834	12,110	80,463	2,516
2017 5/	301,204	189,719	14,660	2,084	13,013	77,502	4,226

NA Not available.

1/ Category called 'industry financed' before 2010.

2/ Survey includes a sample of institutions with doctoral programs in S&E, are HBCUs with R&D expenditures in S&E, and/or are other institutions that expend at least \$50,000 in separately budgeted R&D in S&E.

3/ Survey includes institutions with doctoral programs in S&E, are HBCUs with R&D expenditures in S&E, or are master's or bachelor's degree-granting institutions that expend at least \$150,000 in separate R&D in S&E.

4/ Survey includes S&E bachelor's and higher degree-granting institutions that reported at least \$150,000 in separately budgeted R&D expenditures in S&E.

5/ Survey includes institutions which grant a bachelor's degree or higher, expend at least \$150,000 in separately budgeted R&D, and were geographically separate campuses headed by a president, chancellor, or equivalent.

Source: National Science Foundation, Division of Science Resources Statistics, *Academic Research and Development Expenditures: Fiscal Year* (annual) <<http://www.nsf.gov/statistics/rdexpenditures/>> accessed May 22, 2019 and *Higher Education Research and Development Survey: Fiscal Year* (annual) <<https://ncesdata.nsf.gov/herd/2017/>> accessed May 22, 2019.

Table 17.24-- PATENTS ISSUED TO HAWAII RESIDENTS: 1992 TO 2018

Year	Patents	Year	Patents	Year	Patents
1992	81	2001	107	2010	144
1993	106	2002	91	2011	128
1994	99	2003	96	2012	131
1995	84	2004	86	2013	146
1996	104	2005	58	2014	160
1997	93	2006	101	2015	166
1998	93	2007	82	2016	178
1999	97	2008	101	2017	153
2000	93	2009	96	2018	136

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> accessed May 8, 2017 and records.

**Table 17.25-- ASTRONOMY AND RELATED FACILITIES AT
THE SUMMITS OF MAUNAKEA FOR 2016 AND HALEAKALA FOR 2017**

[Categories may not sum to totals due to rounding]

Facility and year (mirror diameter in meters)	Capital cost (\$ mil) 1/	Annual operating cost (\$ mil)	County based staff	Opera- tional
Maunakea observatories, 2016				
Total	601	72.4	501	(X)
UH 2.2-m (Optical/Infrared)	5	1.0	6	1970
Canada-France-Hawaii 3.6-m (Optical/Infrared) 2/	30	7.5	49	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 2/	32	4.5	36	1986
VLBA Antenna 25-m (Radio)	7	0.4	2	1992
W.M. Keck Observatory (Keck I & II)				
10-m x 2 (Optical/Infrared) 2/	170	14.2	125	1992/1996
Subaru 8-m (Optical/Infrared)	170	17.0	101	1999
Fredrick C. Gillett Gemini 8-m (Optical/Infrared) 2/	92	15.0	83	1999
Submillimeter Array 8x6-m	80	5.5	23	2003
Maunakea Observatories Support Services 2/	(X)	3/ 5.4	51	1980
Haleakala observatories, 2017				
Total	749	40.7	202	(X)
Mees Solar Observatory	1	0.2	1	1963
Haleakala Observatories Projects	(X)	0.2	2	(X)
Maui Space Surveillance Site (MSSS) 4/	250	26.3	117	1965
Ground-Based Electro-Optical Deep Space Surveillance (GEODSS)	25	6.1	16	1983
Faulkes 2-m Telescope	10	0.6	2	2003
Transportable Laser Ranging System (TLRS4)	1	0.8	5	2005
Panoramic Survey Telescope And Rapid Response System (Pan-STARRS)	110	5.6	11	2009
UH Haleakala Support Facilities	9	1.2	15	1962/2008
Daniel K. Inouye Solar Telescope (DKIST)	344	5/ 18.0	35	(6/)

X Not applicable.

1/ Historical cost, not adjusted for inflation, and not including subsequent capital improvements for Maunakea Observatories.

2/ 'Annual operating cost' and 'County based staff' revised from previous *Data Book*.

3/ Only \$1.9 million are included in total, as the other \$3.5 million are part of facility operating costs.

4/ Formerly Air Force Maui Optical Station (AMOS).

5/ Operational cost of 18 million not included in the total.

6/ Daniel K. Inouye Solar Telescope scheduled to be operational by 2020.

Source: University of Hawaii at Manoa, Institute for Astronomy, records.

Table
Number **Table Name**

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

Narrative

18.01	Distances of Selected State Routes and Interstates: 2018
18.02	Length of Streets and Highways, Paved and Unpaved, by Island: 2016 to 2018
18.03	Highway Bridges, by Island: December 31, 2018
18.04	Condition of Bridges: 2009 to 2018
18.05	Highway Tunnel Lengths: December 31, 2018
18.06	Vehicle Registration, by Type of Vehicle: 2008 to 2018
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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.

**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES
AND INTERSTATES: 2018**

Route	Description	Miles
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	Kamehameha Hwy, Kahekili Hwy, Likelike Hwy	43.90
92	Nimitz Hwy, Ala Moana Blvd	9.28
93	Farrington Hwy.	19.52
99	Kamehameha 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: 2018 -- Con.**

Route	Description	Miles
Kauai		
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)	10.00
Molokai		
State Routes		
450	Kamehameha V Hwy	27.50
460	Kaunakakai PI & Maunaloa Hwy	16.55
Lanai		
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, Network Database accessed June 2019.

Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLAND: 2016 TO 2018

[As of December 31. Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2016				
State total	4,468.56	88.49	4,206.95	173.11
Hawaii	1,509.94	-	1,449.94	60.00
Maui	648.33	-	591.63	56.70
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,684.04	88.49	1,587.63	7.92
Kauai	441.93	-	419.44	22.49
Niihau	-	-	-	-
2017				
State total	4,476.27	88.49	4,214.66	173.11
Hawaii	1,510.44	-	1,450.44	60.00
Maui	649.81	-	593.11	56.70
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,689.77	88.49	1,593.35	7.92
Kauai	441.93	-	419.44	22.49
Niihau	-	-	-	-
2018				
State total	4,475.48	88.49	4,213.48	173.51
Hawaii	1,491.84	-	1,431.84	60.00
Maui	658.31	-	601.21	57.10
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,699.08	88.49	1,602.67	7.92
Kauai	441.93	-	419.44	22.49
Niihau	-	-	-	-

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2018

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: 2009 TO 2018

[Good (G), Fair (F), Poor(P): These terms are defined in accordance with the Pavement and Bridge Condition Performance Measures final rule, published in January of 2017. Bridge Condition is determined by the lowest rating of National Bridge Inventory (NBI) condition ratings for Item 58 (Deck), Item 59 (Superstructure), Item 60 (Substructure), or Item 62 (Culvert). If the lowest rating is greater than or equal to 7, the bridge is classified as Good; if it is less than or equal to 4, the classification is Poor. Bridges rated 5 or 6 are classified as Fair.

Year	Bridge counts				Bridge area (Square meters) 1/			
	Total	Good	Fair	Poor	Total	Good	Fair	Poor
2009	1,133	389	659	85	1,321,814	376,003	920,392	25,420
2010	1,137	380	679	78	1,323,345	378,464	919,875	25,006
2011	1,132	354	705	73	1,309,322	348,396	939,298	21,627
2012	1,131	347	712	72	1,313,634	306,144	984,599	22,892
2013	1,125	328	722	75	1,314,136	293,854	997,253	23,029
2014	1,137	486	581	59	1,389,453	417,881	879,437	18,605
2015	1,142	486	591	59	1,391,813	403,646	904,894	19,697
2016	1,132	436	634	62	1,319,917	358,370	942,557	18,989
2017	1,135	428	642	65	1,320,446	356,706	944,069	19,671
2018	1,137	355	704	78	1,324,180	326,663	968,926	28,592

1/ This term is defined in accordance with the Pavement and Bridge Condition Performance Measures final rule, published in January of 2017. Bridge Deck Area is determined by multiplying Length (NBI Item 49) by Width. If NBI Item 52 (Deck Width) is greater than zero, this value is used for Width in the calculation. If Item 52 is zero or null, as in cases where the roadway is on a fill over the structure and headwalls do not affect the flow of traffic, NBI Item 32 (Approach Roadway Width) is used for Width in the calculation. For data prior to 2018, only Item 52 is used for Width in the calculation, regardless of its value.

Source: U.S. Department of Transportation, Federal Highway Administration, Bridges and Structures, *Bridges Condition by Highway System* <<https://www.fhwa.dot.gov/bridge/nbi/condition.cfm>> accessed June 14, 2019.

Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2018

Island and name of tunnel		Length (feet)
Oahu		
Pali, Honolulu side	to Honolulu	1,049
	from Honolulu	1,076
Pali, Kailua side	to Honolulu	524
	from Honolulu	531
Wilson	to Honolulu	2,786
	from Honolulu	2,804
H-3	to Honolulu	5,579
	from Honolulu	5,569
H-3, Hospital Rock	to Honolulu	389
	from Honolulu	382
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: 2008 TO 2018

[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
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
2016	1,261,557	1,232,731	1,000,684	119	2,377
2017	1,288,554	1,259,544	1,016,088	114	2,344
2018	1,295,574	1,267,136	1,023,774	103	2,278
Year	Motor vehicles -- continued				Trailers and semi-trailers
	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	
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
2016	194,043	1,454	2,972	31,082	28,826
2017	197,005	1,519	3,162	39,312	29,010
2018	195,849	1,561	3,635	39,936	28,438

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 2018

[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]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
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
2016	1,232,731	776,653	196,647	81,751	177,680
2017	1,259,544	791,739	202,744	84,259	180,802
2018	1,267,136	793,379	205,682	85,748	182,327

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,
BY COUNTY: 2018**

[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	1,295,574	806,683	213,465	89,158	186,268
Motor vehicles	1,267,136	793,379	205,682	85,748	182,327
Passenger vehicles 1/	1,023,774	660,117	158,167	62,180	143,310
Ambulances	103	50	19	15	19
Buses	2,278	1,678	349	88	163
Trucks 1/	195,849	100,639	41,144	21,107	32,959
Truck tractors	1,561	683	219	577	82
Truck cranes	3,635	3,285	184	75	91
Motorcycles, motorscooters 2/	39,936	26,927	5,600	1,706	5,703
Trailers and semi-trailers	28,438	13,304	7,783	3,410	3,941

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: 2018**

[Includes vehicles registered but subsequently scrapped or shipped out of State. Excludes trailers, semi-trailers and motorcycles]

Taxation status	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Total registered	1,227,200	766,452	200,082	84,042	176,624
Taxable vehicles	1,130,247	676,520	197,128	82,773	173,826
Exempt vehicles	96,953	89,932	2,954	1,269	2,798
Federal government	451	443	5	-	3
State government	7,171	7,159	10	-	2
County government	8,444	5,371	1,203	624	1,246
Fire department	342	64	145	64	69
Police department	1,832	1,271	381	46	134
Consulates	53	51	2	-	-
Disabled veterans	508	122	371	7	8
Military non-resident	63,705	63,445	46	153	61
Farm	167	88	56	1	22
Horseless carriage	52	46	-	6	-
Electric vehicles	8,453	6,643	467	285	1,058
National Guard	5,775	5,229	268	83	195

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTY: 2017**

[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]

Vehicles available	State total	Hawaii	Honolulu	Kauai	Maui
Occupied units	458,078	68,857	312,625	22,980	53,560
None	36,257	2,709	28,812	905	3,805
1	156,035	23,758	109,891	5,729	16,639
2	162,390	26,901	107,898	8,838	18,741
3	63,309	10,956	38,690	5,151	8,512
4 or more	40,087	4,533	27,334	2,357	5,863

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates
<<https://www.census.gov/programs-surveys/acs/>> accessed June 16, 2019.

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 2017

Year	Number	Year	Number	Year	Number
1989	57,456	1999	45,054	2009	32,878
1990	54,544	2000	51,500	2010	32,649
1991	47,783	2001	51,388	2011	35,576
1992	44,865	2002	53,314	2012	42,463
1993	45,249	2003	62,712	2013	48,705
1994	44,175	2004	65,882	2014	54,039
1995	41,083	2005	70,268	2015	57,094
1996	41,480	2006	67,224	2016	58,485
1997	42,487	2007	54,492	2017	59,137
1998	40,673	2008	41,184		

Source: Hawaii Automobile Dealers Association, *HawaiiDealer 2018 First Quarter Edition* and previous editions.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 2015 TO 2017**

Nameplate	2015	2016	2017
Total	57,094	58,485	59,137
Toyota/Scion	16,109	16,230	15,705
Honda	7,851	8,387	9,018
Nissan	5,957	5,754	5,874
Ford	4,392	4,617	4,194
Kia	2,314	2,293	2,164
Chevrolet	2,280	3,011	3,594
Mazda	1,585	1,497	1,571
Hyundai	1,717	1,518	1,497
BMW	1,633	1,583	1,567
Lexus	1,760	1,773	1,597
Subaru	1,696	1,816	1,824
Jeep	1,416	1,395	1,488
Mercedes	1,352	1,397	1,438
Dodge	1,152	963	780
Acura	714	739	839
Volkswagen	904	753	845
Ram	735	781	729
Audi	490	575	565
GMC	545	658	841
MINI	499	475	420
Infiniti	297	278	371
Cadillac	153	144	178
Chrysler	258	293	286
Porsche	223	227	243
All others	243	105	195
Volvo	159	151	89
Land Rover	181	196	213
Mitsubishi	118	107	112
Fiat	105	94	112
Buick	148	244	262
Telsa	(NA)	306	364
Lincoln	72	45	33
Jaguar	36	80	129

NA Not available.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2018 First Quarter.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2015 TO 2017**

Type and place of manufacture	2015	2016	2017
Total	57,094	58,485	59,137
Car	24,828	22,566	21,084
Light truck	32,266	35,919	38,053
Domestic	11,276	12,469	12,763
European	5,695	5,613	5,772
Japanese	36,092	36,584	36,912
Korean	4,031	3,819	3,690

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2018 First Quarter.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:
1991 TO 2018**

[As of December 31]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
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
2016	941,878	629,476	137,450	56,100	118,852
2017	950,481	634,231	139,028	56,519	120,703
2018	945,163	627,030	140,057	56,628	121,448

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE AND SEX:
2017 AND 2018**

[As of December 31]

Years of age	Both sexes		Male		Female	
	2017	2018	2017	2018	2017	2018
Total	950,481	945,163	490,148	485,773	460,333	459,390
15 to 19	24,530	24,134	12,854	12,454	11,676	11,680
20 to 24	61,975	61,309	32,314	31,769	29,661	29,540
25 to 29	72,427	71,624	37,138	36,662	35,289	34,962
30 to 34	83,932	83,055	42,782	42,168	41,150	40,887
35 to 39	85,971	85,844	43,604	43,347	42,367	42,497
40 to 44	78,369	77,487	39,851	39,437	38,518	38,050
45 to 49	82,993	80,983	42,951	41,689	40,042	39,294
50 to 54	83,670	81,142	43,056	41,631	40,614	39,511
55 to 59	88,380	86,895	45,635	44,858	42,745	42,037
60 to 64	87,118	86,100	44,707	44,032	42,411	42,068
65 to 69	78,055	78,147	40,758	40,605	37,297	37,542
70 to 74	59,960	61,702	31,562	32,292	28,398	29,410
75 to 79	32,836	35,941	17,292	18,928	15,544	17,013
80 to 84	16,930	17,440	8,651	8,935	8,279	8,505
85 to 89	9,730	9,604	4,914	4,856	4,816	4,748
90 to 94	3,199	3,326	1,815	1,854	1,384	1,472
95 to 99	406	430	264	256	142	174

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1994 TO 2018, AND BY COUNTY, 2017 AND 2018

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/
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	524,642	416	10,173.5	8,409
2015	540,559	480	11,129.7	9,465
2016	531,740	457	11,132.0	9,430
2017	553,656	478	11,350.6	9,415
2018	544,658	430	11,417.6	9,011
COUNTY: 2017				
Honolulu	325,348	411	6,891.9	8,712
Hawaii	105,396	520	1,966.9	9,702
Kauai	48,795	568	886.2	10,322
Maui	74,117	412	1,605.6	8,926
COUNTY: 2018				
Honolulu	314,735	397	6,901.2	8,704
Hawaii	110,471	537	1,994.9	9,703
Kauai	47,989	550	903.4	10,347
Maui	71,463	394	1,618.1	8,921

Continued on next page.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1994 TO 2018, AND BY COUNTY, 2017 AND 2018 -- 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.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2016 TO 2018

[Annual average daily traffic (AADT), the average of 24 hour counts collected every day in the year, unless otherwise specified]

Island and site	Route	Milepoint	2016	2017	2018
Oahu					
H-1 west of Kualalai Pkwy overpass	H-1	3.41	94,300	92,800	92,800
H-1 west of Kaonohi St overpass	H-1	11.74	240,800	247,700	247,700
H-1 at Halawa Stream bridge	H-1	13.54	109,100	110,500	109,100
H-1 at airport off-ramp	H-1	16.22	96,700	96,900	96,200
H-1 west of King St tunnel	H-1	18.77	66,500	1/ 67,900	67,400
H-1 at Kalihi interchange	H-1	19.27	177,900	1/ 180,200	180,800
H-1 at Kapalama drainage canal bridge	H-1	20.24	193,400	196,900	199,500
H-1 at McCully St overpass	H-1	23.55	140,600	142,000	141,400
H-1 at Manoa-Palolo drainage canal	H-1	24.60	111,700	112,200	111,400
H-2 south of Pineapple Rd overpass	H-2	4.02	96,800	98,700	99,200
H-3 west of North Halawa Valley bridge	H-3	1.28	48,700	49,100	49,200
H-3 west of Kamehameha Hwy interchange	H-3	10.37	27,100	27,200	27,100
Moanalua Freeway west of Kahuapaani St overpass	H-201	0.21	46,800	47,300	49,000
Moanalua Freeway west of Moanalua St bridge	H-201	3.19	108,500	108,900	111,200
Pali Hwy at tunnels	61	5.69	41,600	42,100	39,500
Likelike Hwy north of Valley View Drive	63	2.96	32,300	31,200	32,700
Sand Island Parkway north of Pascale bridge	64	1.41	12,700	12,800	12,800
Kalaniana'ole Hwy east of Ainakoa Ave	72	18.32	83,900	84,800	84,300
Kamehameha Hwy at Wilson Bridge	80	0.01	32,483	56,500	55,800
Kamehameha Hwy 1.6 miles northeast of Johnson Rd	83	30.59	12,600	12,800	12,900
Nimitz Hwy east of Sand Island Access Rd	92	4.04	56,500	57,200	56,800
Farrington Hwy at Makaha bridge #2	93	12.50	18,900	18,700	18,600
Kalaheo Blvd south of H-1 on-ramp	95	0.27	36,200	36,900	(NA)

Continued on next page.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2016 TO 2018 -- Con.

Island and site	Route	Milepoint	2016	2017	2018
Oahu con.					
Kamehameha Hwy at Kalauao bridge	99	20.67	51,816	38,200	37,800
Kunia Rd near Kunia Dr	750	4.81	14,400	13,900	13,800
Hawaii					
Volcano Rd near Ikaika St	11	5.29	43,400	44,300	45,000
Volcano Rd at Glenwood Park	11	19.66	7,100	7,500	6,800
Mamalahoa Hwy at states' south Kona baseyard	11	104.14	6,767	7,300	7,200
Queen Kaahumanu Hwy near Hualalai Rd	11	120.77	25,800	24,700	21,300
Hawaii Belt Rd north of Kalaoa bridge	19	8.01	10,100	10,400	10,500
Queen Kaahumanu Hwy near Kaupulehu Dr	19	83.60	13,700	13,400	13,400
Queen Kaahumanu Hwy north of OTEC access Rd	19	93.74	24,000	24,400	27,900
Keaau-Pahoa Rd south of waste station Rd	130	2.51	28,900	30,800	22,000
Maui					
Honoapiilani Hwy south of Kaanapali Pkwy	30	23.58	43,300	43,800	43,700
Honoapiilani Hwy north of Kahana Kai bridge	30	28.37	14,819	15,483	14,800
Piilani Hwy near Lipoa Pkwy	31	1.47	34,721	42,400	43,163
Hana Hwy near Central Power Plant Rd	36	1.70	37,525	37,400	37,700
Hana Hwy near Baldwin Park	36	6.28	18,800	18,800	19,200
Keolani Pl near Palapala Dr	36A	0.50	14,400	9,500	8,500
Kaleakala Hwy near North Firebreak Rd	37	0.61	32,000	32,700	32,900
North Kihei Hwy near 9th St	310	0.86	17,100	17,100	17,300
Mokulele Hwy near Nakii Rd	311	2.38	33,400	34,300	34,900
Kuihelani Hwy near Mauilani Pkwy	380	1.52	24,900	25,700	26,700

Continued on next page.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2016 TO 2018 -- Con.

Island and site	Route	Milepoint	2016	2017	2018
Kauai					
Kaumualii Hwy near Nani St	50	1.51	25,605	28,400	29,000
Kaumualii Hwy at Punee Rd	50	8.35	14,900	15,200	15,600
Kaumualii Hwy near Alawai Rd	50	22.69	11,100	11,500	11,700
Rice St near Mokoi St	51	0.79	13,400	13,600	13,600
Kuhio Hwy near Huilei Rd	56	2.40	15,500	15,100	15,300
Kuhio Hwy northwest of Kolo Rd and Kalamania Rd	56	23.53	15,000	15,500	15,200
Nawiliwili Rd near Kanani St	58	1.44	11,500	12,200	12,300
Akuhuni Rd near Palai St	570	0.31	13,600	14,200	14,800

NA Not available.

1/ Revised from previous *Data Book*.

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)	800	820	835	845
Peak commuters (1,000s) 1/	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 2/				
Total fuel (1,000 gallons)	13,478	13,738	13,951	14,118
Fuel per peak auto commuter (gallons)	25	25	25	26
Annual delay 3/				
Total delay (1,000s of person-hours)	26,417	26,926	27,344	27,672
Delay per peak auto commuter (person-hours) 4/	50	50	50	50
Congestion cost (constant 2014 \$) 5/				
Total cost (\$ million)	619	618	619	616
Cost per peak auto commuter (\$)	1,130	1,128	1,129	1,125

1/ 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.

2/ Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

3/ The overall size of the congestion problem. Measured by the total travel time above that needed to complete a trip at free-flow speeds.

4/ 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.

5/ 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, 1998 TO 2017, AND BY COUNTY, 2016 AND 2017

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal 2/	Injured only	Killed 2/
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	9,531	123	7,476	138
2008	8,247	102	6,427	107
2009	7,377	99	5,784	109
2010	7,944	108	6,444	113
2011	7,457	97	6,584	100
2012 3/	4/ 8,667	115	4/ 6,375	125
2013 3/	4/ 9,267	94	4/ 6,268	102
2014 3/	4/ 10,617	95	4/ 6,920	95
2015 3/	4/ 10,792	85	4/ 7,008	93
2016 3/	4/ 9,033	109	4/ 5,819	120
2017 3/	8,902	96	4,791	107
County: 2016 3/				
Honolulu	4/ 5,792	55	4/ 3,536	59
Hawaii	4/ 1,453	27	4/ 818	32
Kauai	4/ 551	8	4/ 321	8
Maui	4/ 1,237	19	4/ 1,144	21
County: 2017 3/				
Honolulu	5,949	46	2,544	49
Hawaii	1,375	33	837	35
Kauai	467	3	361	6
Maui	1,111	14	1,049	17

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/ Preliminary.

4/ Revised from previous *Data Book*.

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: 2015 TO 2017

[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
2015, State total 1/	124	85	68	40	32	7	5	33	27
Hawaii	32	24	75	8	25	2	5	6	19
Honolulu	65	45	70	20	30	2	3	18	27
Kauai	4	3	65	1	35	-	3	1	33
Maui	23	13	54	11	46	3	11	8	34
2016, State total 1/	153	109	71	44	29	6	4	38	25
Hawaii	40	30	75	10	26	2	5	8	20
Honolulu	75	54	72	21	28	2	2	20	26
Kauai	11	6	56	5	44	1	12	4	32
Maui	27	19	71	8	29	1	4	7	25
2017, State total	144	97	68	47	32	9	6	38	26
Hawaii	53	38	72	15	28	3	6	11	22
Honolulu	60	42	70	18	30	4	6	14	24
Kauai	6	5	83	1	17	-	-	1	17
Maui	25	12	49	13	51	1	6	11	46

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 6, 2019.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:
2016 TO 2018**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2016	2017	2018	2016	2017	2018
Hawaii	266	254	226	5,054	5,078	5,610
Maui	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Lanai	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Molokai	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oahu	1,791	(3/)	(3/)	526,636	549,895	560,730
Kauai 4/	-	-	-	(NA)	(NA)	(NA)

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 were formerly licensed on an annual basis, have, since November 1, 1988, been registered biennially, see SLH 1988, Act 264, sec. 1; the Honolulu County registrations are permanent with no annual renewals. Act 200 of the Hawaii Session Laws of 2016, requires the annual registration and safety inspection of mopeds beginning January 1, 2017.

3/ Taxicabs are no longer inspected by the city, as they are now self-certifying.

4/ As of January 1, 1999, bicycles are issued a permanent bicycle tag which is good for the life of the bicycle.

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) BY COUNTY: 1997 TO 2012

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS)]

Subject	State total	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> 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: 2018

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
State total	1,594	6,361	150,663	5,166	22,688
Hawaii	294	1,064	25,485	1,042	4,196
Maui	224	1,307	32,050	885	3,560
Honolulu	976	3,474	81,057	2,640	12,974
Kauai	100	511	12,071	599	1,956

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 2018

[As of June 30. Service provided by City and County of Honolulu bus system]

Year	Number of buses 1/	Bus mileage 2/	Total passengers 3/	Revenues (dollars)
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
2016 5/	543	21,545,265	68,314,175	53,216,236
2017	546	20,999,788	65,276,018	51,441,589
2018	546	21,258,894	64,119,604	54,147,373

1/ Number of buses refers to number of buses in active fleet and an additional shuttle service.

2/ Estimated number of vehicle miles.

3/ Estimated number of passengers, including senior citizens and disabled.

4/ Bus strike for 34 days.

5/ As of 2016 all statistics compiled include statistic for an additional shuttle service.

Source: City and County of Honolulu, Department of Transportation Services, Public Transit Division, records.

Table 18.26-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 2019

[As of July 1, 2019. 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
January 1, 2018 6/	2.75	1.25	70.00	35.00

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.

6/ As of October 1, 2017 transfers have been discontinued. Other fares. 1-day pass, adult: \$5.50, youth: \$2.50; Annual pass, adult: \$770.00, youth: \$385.00.

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 1, 2019.

Table 18.27-- AIRPORTS AND HELIPORTS, BY CONTROL, BY ISLAND: 2016

[As of December 31]

Island	Airports 1/				Heliports 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-- DANIEL K. INOUE INTERNATIONAL AIRPORT AIRCRAFT OPERATIONS AND ENPLANED PASSENGERS: 2000 TO 2017

[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
2015	242,442	9,483,424	28
2016	244,612	9,668,758	28
2017	258,154	9,702,565	28

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/> accessed July 10, 2019.

Table 18.29-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2016 TO 2018

[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]

Airport	Total operations	Air carrier	Air taxi	General aviation	Military
2016					
Daniel K. Inouye International	305,608	159,799	84,996	44,021	16,792
Kahului	136,654	52,768	63,743	18,156	1,987
Kona International	116,710	27,428	20,864	52,995	15,423
Lihue	129,120	25,717	76,012	22,906	4,485
Hilo International	80,713	15,485	50,617	7,894	6,717
Molokai	44,822	2	38,896	4,546	1,378
Kalaheo	115,035	21	1,356	94,239	19,419
2017					
Daniel K. Inouye International	311,857	165,494	94,070	38,496	13,797
Kahului	147,386	55,292	72,084	18,510	1,500
Kona International	113,947	32,182	23,520	51,401	6,844
Lihue	129,572	28,759	77,470	20,630	2,713
Hilo International	91,411	16,527	45,772	23,560	5,552
Molokai	38,622	332	33,349	4,034	907
Kalaheo	127,883	38	24	107,471	20,350
2018					
Daniel K. Inouye International	311,814	158,410	96,949	41,628	14,827
Kahului	149,031	52,930	73,433	21,325	1,343
Kona International	121,542	31,528	23,190	59,624	7,200
Lihue	137,958	29,441	82,879	23,219	2,419
Hilo International	82,840	16,392	3,104	60,112	3,232
Molokai	40,541	-	35,793	3,860	888
Kalaheo	162,708	8	72	140,006	22,622

Source: Federal Aviation Administration, Air Traffic Activity System, Airport Operations: Standard Report
<<https://aspm.faa.gov/opsnet/sys/main.asp>> accessed on June 19, 2019.

**Table 18.30-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2018**

[An aircraft operation is an aircraft arrival or departure]

Year	Daniel K. Inouye Inter- national Airport	Hilo Inter- national Airport	Kona Inter- national 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
2016	305,608	80,713	116,710	136,654	129,120	44,822
2017	311,857	91,411	113,947	147,386	129,572	38,622
2018	311,814	82,840	121,542	149,031	137,958	40,541

1/ Formerly Keahole Airport; effective June 16, 1997, the new name is the Kona International Airport at Keahole.

Source: For 1991-2015, Hawaii State Department of Transportation, Airports Division, records; For 2016 to 2018 Federal Aviation Administration, Air Traffic Activity System, Airport Operations: Standard Report <<https://aspm.faa.gov/opsnet/sys/main.asp>> accessed on June 19, 2019.

Table 18.31-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS SERVING HAWAII: 2007 TO 2018

[As of June 30. Includes both scheduled and nonscheduled service, and also commuter lines and other air taxi service]

Service	2007	2008	2009	2010	2011	2012
All carriers	39	37	39	33	37	38
Transpacific only	30	28	30	24	26	28
Domestic	14	13	12	11	12	16
Foreign	16	15	18	13	14	12
Transpacific and interisland	2	2	1	2	1	1
Interisland only	7	7	8	7	10	9
Passenger carriers	3	3	3	4	6	6
Cargo and mail only	4	4	5	3	4	3
Service	2013	2014	2015	2016	2017	2018
All carriers	36	36	36	35	42	38
Transpacific only	26	27	28	27	35	31
Domestic	14	14	14	13	19	15
Foreign	12	13	14	14	16	16
Transpacific and interisland	1	1	1	1	1	1
Interisland only	9	8	7	7	6	6
Passenger carriers	6	5	4	4	3	2
Cargo and mail only	3	3	3	3	3	4

Source: Hawaii State Department of Transportation, Airports Division, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.32-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR
ARRIVING FLIGHTS: 2016 TO 2018**

[Non-stop flights only]

Airport	2016	2017	2018
State of Hawaii	12,020,545	12,235,608	13,248,069
Daniel K. Inouye International	8,085,502	8,113,768	8,286,086
Kahului	2,335,214	2,329,750	2,626,225
Kona International	852,562	984,420	1,280,769
Hilo International	45,045	48,180	54,295
Lihue	702,222	759,490	1,000,694
Domestic	8,315,458	8,409,740	9,297,472
International	3,705,087	3,825,868	3,950,597

Source: Hawaii Tourism Authority, Tourism Research, *Monthly Visitors Statistics December 2017* and Hawaii Tourism Authority, Tourism Research, *Monthly Visitor Statistics, December 2018*
<<https://www.hawaiitourismauthority.org/research/monthly-visitor-statistics/>> accessed June 19, 2019.

Table 18.33-- CIVIL AIRMEN: 2014 TO 2018

[As of December 31]

Item	2014	2015	2016	2017	2018
Estimated active personnel					
Pilots, except instructors	3,134	3,145	3,126	3,281	3,421
Commercial 1/	707	694	678	686	709
Flight instructors	661	698	731	738	760
Nonpilot airmen 2/ 3/	6,833	7,004	6,773	6,964	7,292
Flight attendant	3,735	3,889	4,115	4,255	4,514
Estimated active women personnel					
Pilots, except instructors	332	354	357	385	425
Commercial 1/	78	80	71	72	72
Flight instructors	73	77	81	82	80
Nonpilot airmen 2/ 3/	2,865	2,990	3,126	3,224	3,413
Flight attendant	2,664	2,781	2,956	3,060	3,236

1/ Includes those with an airplane and/or a helicopter and or glider certificate. Includes pilots under the "Rotorcraft (only)" and "Glider (only)" class certificates.

2/ Includes ground instructors, flight engineers, mechanics, repairmen, parachute riggers, dispatchers, flight navigators and flight attendants.

3/ Data for dispatchers, mechanics, repairmen, parachute riggers and ground instructors represent total ratings issued to date. These ratings retain their validity and have been limited to those held by a person under 70 years of age.

Source: U.S. Department of Transportation, Federal Aviation Administration, *U.S. Civil Airmen Statistics* (annual) <https://www.faa.gov/data_research/aviation_data_statistics/civil_airmen_statistics/> accessed on June 21, 2019.

**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

Rank	Origin or destination	Daily passengers (average, each way)	Average one-way ticket price 1/
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 2018

[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
2016	10,223,372	10,241,737	240,053	7,198,710
2017	10,794,436	10,785,967	125,935	7,217,969
2018	11,445,430	11,431,092	155,316	6,706,144

1/ At airports in Honolulu, Kahului, Kona, Lihue and Hilo.

Source: For Data 1988-2016, Hawaii State Department of Transportation, Airports Division, records and for 2017-2018, Hawaii State Department of Business, Economic, Development & Tourism, Airline data compilation and United States, Department of Transportation, Bureau of Transportation Statistics, Database <https://www.transtats.bts.gov/databases.asp?Mode_ID=1&Mode_Desc=Aviation&Subject_ID2=0> accessed on June 22, 2019.

Table 18.37-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2018

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
OVERSEAS						
Total	11,431,092	11,445,430	225,005	369,696	4,981	7,794
Honolulu	7,286,680	7,240,571	211,070	352,436	4,981	7,786
Kahului	2,274,252	2,282,982	1,524	10,595	-	8
Kona 2/	1,017,755	1,044,363	12,312	6,013	-	-
Lihue	818,378	841,113	98	646	-	-
Hilo	34,027	36,401	1	6	-	-
INTERISLAND						
Total	6,706,144	6,706,144	104,433	104,433	14,476	14,476
Honolulu	2,919,028	2,936,910	75,764	24,412	12,076	2,327
Kahului	1,350,615	1,366,601	8,174	27,176	1,590	4,838
Kona 2/	847,805	817,497	6,602	24,760	-	3
Lihue	845,231	832,526	5,478	13,310	29	3,187
Hilo	565,559	572,490	8,174	13,785	781	4,121
Molokai	79,336	81,847	48	231	-	-
Lanai	41,996	41,381	37	155	-	-
Kapalua	46,574	47,569	156	604	-	-
Waimea-Kohala	4,068	3,941	-	-	-	-
Kalaupapa	3,256	3,051	-	-	-	-
Kalaeloa	-	-	-	-	-	-
Hana	2,676	2,331	-	-	-	-

1/ Revenue and non-revenue passengers, excluding passengers in transit and Military Airlift Command (MAC).

2/ Formerly Keahole Airport.

Source: Hawaii State Department of Business, Economic, Development & Tourism, Airline compilation and United States, Department of Transportation, Bureau of Transportation Statistics, Database

<https://www.transtats.bts.gov/databases.asp?Mode_ID=1&Mode_Desc=Aviation&Subject_ID2=0>

accessed on June 22, 2019.

Table 18.38-- AIR CARGO AND AIRMAIL: 1989 TO 2018

[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
2016	227,922	382,116	42,605	115,608	150,680	38,527
2017 1/	429,791	698,396	12,932	17,619	190,980	33,897
2018 1/	449,215	739,391	9,963	15,588	208,866	28,952

1/ Data for 2017-2018 includes commercial airlines and cargo airlines, data might not be comparable to previous years as mail and cargo data might be categorized differently.

Source: For Data 1989-2016, Hawaii State Department of Transportation, Airports Division, records and for 2017, Hawaii State Department of Business, Economic, Development & Tourism, Airline data compilation and United States, Department of Transportation, Bureau of Transportation Statistics, Database <https://www.transtats.bts.gov/databases.asp?Mode_ID=1&Mode_Desc=Aviation&Subject_ID2=0> accessed on June 22, 2019.

**Table 18.39-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,
BY DESTINATION: JULY 2018**

[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	5,395	Japan	
U.S.	4,149	Fukuoka	31
West		Nagoya	62
Anchorage	31	Osaka	159
Denver	124	Sapporo	13
Las Vegas	80	Tokyo - Haneda	93
Long Beach	31	Tokyo - Narita	371
Los Angeles	1,416	Other Asia	
Oakland	174	Beijing	27
Phoenix	217	Seoul	94
Portland	168	Shanghai	27
Sacramento	62	Taipei	9
Salt Lake City	31	Oceania	
San Diego	186	Auckland	58
San Francisco	632	Brisbane	13
San Jose	186	Melbourne	16
Seattle	417	Sydney	78
East		Other	
Atlanta	31	Apia	4
Chicago	53	Guam	31
Dallas / Fort Worth	155	Christmas Island	4
Houston	31	Majuro	18
Minneapolis	31	Manila	22
New York	31	Nadi	5
Newark	31	Pago Pago	14
Washington, D.C.	31	Papeete	4
Canada			
Vancouver	93		

Source: Diio - Mi[®], Hawai'i Tourism Authority, Tourism Research.

**Table 18.40-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY
HAWAIIAN AIRLINES: 2014 TO 2018**

[As of July 1. Includes all taxes]

Category	2014	2015	2016	2017	2018
Regular fare	185.00	187.00	182.40	189.40	189.28
Lowest capacity-controlled fare	68.70	69.40	76.40	79.40	70.29

Source: Hawaiian Airlines, records.

**Table 18.41-- ANNUAL AVERAGE ROUND TRIP AIRFARES BETWEEN
HONOLULU AND SELECTED DESTINATIONS: 2002 TO 2018**

[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	386	399	385	401	460	460	511
2003	348	347	380	415	431	444	493
2004	364	379	410	421	428	514	500
2005	373	375	406	403	439	553	546
2006	374	378	425	434	466	602	590
2007	398	391	430	404	421	601	602
2008	480	485	510	451	456	676	676
2009	444	427	449	390	395	642	657
2010	434	421	449	399	410	674	659
2011	512	494	468	428	479	777	704
2012	527	489	493	500	524	802	803
2013	549	550	525	488	506	798	849
2014	555	578	529	486	536	871	896
2015	554	563	540	467	502	855	883
2016	580	552	560	495	531	887	908
2017 1/	607	576	591	509	543	958	947
2018	537	529	613	479	511	942	910

1/ Data revised from previous *Data Book*.

Source: United States Department of Transportation, Origin and Destination data from Diio - Mi[®].

Table 18.42-- STATE COMMERCIAL HARBORS: 2018

Island and harbor	Harbor entrance depth (feet)	Harbor basin			Piers (linear feet) 1/	Storage area (1,000 square feet)	
		Depth (feet)	Length (feet)	Width (feet)		Shedded 1/	Open 1/
Hawaii							
Hilo	35	35	2,300	1,400	2/ 3,435	3/ 105	3/ 1,143
Kawaihae	40	35	1,500	1,450	1,625	8	4/ 1,199
Maui							
Kahului	40	35	2,400	2,050	3,535	52	1,660
Molokai							
Kaunakakai	23	23	1,500	600	690	10	114
Lanai							
Kaunapali	60	30-50	800	500	400	-	90
Oahu							
Honolulu							
Main	} 45	40	{ 3,600	1,520	} 5/ 33,165	756	13,118
Kapalama			{ 3,500	1,100			
Kalaheo							
Barbers Point	42	38	2,300	1,800	3,260	36	6/ 1,840
Kauai							
Nawiliwili	40	35	1,950	1,540	2,555	83	1,230
Port Allen	35	35	1,500	1,200	1,200	38	35

1/ Revised from previous *Data Book*. Area calculated based on aerial imagery using GIS software.

2/ Construction of Hilo Pier 4 (602 feet long) continued through 2015.

3/ In 2015 Hilo Harbor, Pier 1 had 40 percent of its shed demolished.

4/ Yard area includes unpaved areas.

5/ Honolulu Harbor Pier 12 rebuilt, completed in 2016.

6/ Yard area includes unpaved areas.

Source: Hawaii State Department of Transportation, Harbors Division, records.

Table 18.43-- HARBOR DEPTHS: 2017

[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 2017, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed July 6, 2019.

**Table 18.44-- SMALL CRAFT MOORING FACILITIES, BY ISLAND:
DECEMBER 31, 2018**

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 18.45-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLAND

[Includes all lights, day beacons, buoys, and similar aids to navigation in the Hawaiian Archipelago]

Island	Number of aids to navigation				Greatest nominal range (naut. miles)	Highest above sea level (feet)	Highest structure height (feet)
	By control			Light-houses			
	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 18.46-- UNDOCUMENTED VESSEL REGISTRATION:
DECEMBER 31, 2018**

Subject	Number	Subject	Number
Registered vessels	12,371	Type of vessel 1/	
Length		Aux. powered sailing vessel	1,033
Under 16 feet	3,997	Cabin motorboat	2,325
16 to less than 26 feet	6,421	Open motorboat	5,493
26 to less than 40 feet	1,723	Runabout	1,211
40 to 65 feet	221	Sail only	581
Over 65 feet	9	Houseboat	2
Hull material 1/		Motor vessel over 65 feet in length	8
Aluminum	466	Thrill craft	1,036
Fiberglass / plastic	11,135	Other	684
Rubber / fabric	379	Uses 1/	
Wood	297	Pleasure	11,472
Other	76	Charter fishing	4
Steel	20	Commercial fishing	147
Propulsion 1/		Commercial Passenger	204
Inboard	2,605	Livery	45
Outboard	5,894	Dealer	8
Inboard / outboard	1,206	Manufacturer	1
Sail / inboard	515	Youth group - fee exempt	98
Sail / outboard	383	Government - fee exempt	255
Sail only	479	Other	139
Manual	73	Island where vessel is kept 1/	
Other	158	Hawaii	2,179
Waterjet	1,060	Kauai	1,318
Mooring location 1/		Lanai	53
Moored on water	2,850	Maui	1,246
Moored on land	9,523	Molokai	158
		Oahu	7,419

1/ Categories do not equal to total due to 2 vessels incorrectly entered into vessel.ehawaii.gov which affects the counts.

Source: 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 18.47-- NUMBERED VESSELS REGISTERED IN HAWAII: 1998 TO 2018

[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]

Year	Number of vessels	Year	Number of vessels	Year	Number of vessels
1998	15,138	2006	15,015	2014	12,034
1999	15,481	2007	15,094	2015	11,230
2000	14,874	2008	16,744	2016	11,689
2001	14,273	2009	15,709	2017	11,658
2002	15,445	2010	14,847	2018	12,371
2003	15,587	2011	14,073		
2004	17,130	2012	13,328		
2005	15,302	2013	13,928		

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 18.48-- BOATING ACCIDENTS: 1991 TO 2018

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	190
1992	19	(NA)	3	5	(NA)	472
1993	19	3	3	4	25	219
1994	25	3	4	9	28	257
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	245
2001	19	3	3	5	18	46
2002	22	2	2	7	24	118
2003	30	1	1	10	38	82
2004	24	1/ 5	5	6	32	107
2005	22	4	4	7	24	36
2006	30	7	7	6	32	431
2007	18	4	4	4	22	1,190
2008	27	5	5	22	30	299
2009	31	8	8	-	34	31
2010	21	4	4	3	21	(NA)
2011	28	6	6	1	32	55
2012	32	5	5	7	35	243
2013	18	4	4	7	19	217
2014	12	3	3	3	12	8
2015	15	5	2	7	16	165
2016	16	8	8	4	17	129
2017	15	3	3	2	15	810
2018	9	1	1	5	9	32

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 18.49-- VESSEL ARRIVALS, BY DRAFT: 2016 AND 2017

[Excludes domestic fishing craft]

Harbor	2016			2017		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	592	409	183	543	328	215
Kawaihae	455	404	51	429	372	57
Kahului	802	595	207	688	486	202
Barbers Point	1,215	1,082	133	844	728	116
Honolulu	2,829	2,011	818	2,553	1,600	953
Nawiliwili	596	425	171	531	347	184
Kaunakakai	126	126	-	71	71	-
Port Allen	3	3	-	-	-	-

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2016, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<https://ndclibrary.planusace.us/#/home>> accessed July 10, 2018; *Waterborne Commerce of the United States Calendar Year 2017, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<https://ndclibrary.planusace.us/#/home>> accessed July 6, 2019.

Table 18.50-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1986 TO 2018

[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
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)	7,333,941	(NA)	3,845,180
2015 1/ 2/	(NA)	7,267,137	(NA)	3,793,661
2016 1/ 2/	(NA)	7,552,323	(NA)	3,766,320
2017 1/ 2/	(NA)	7,554,958	(NA)	3,415,817
2018 1/ 2/	(NA)	7,517,270	(NA)	3,428,327

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.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.51-- CRUISE SHIP PASSENGER FOR HONOLULU HARBOR:
2013 TO 2018**

[Fiscal years ending June 30. Includes cruise ships from out-of-state and cruise ships home-ported in Hawaii]

Type of passenger	2013	2014	2015	2016	2017	2018
In	176,996	196,984	172,382	166,570	177,137	182,596
Out	282,070	274,462	236,400	240,382	241,551	254,085

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.52-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:
1993 TO 2017**

[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
2015	2,130	1,995	3,720	10,570	13,832	1,929
2016	2,158	2,010	3,858	10,226	13,727	2,048
2017	2,165	2,037	3,671	9,996	14,786	1,902

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2017, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed July 6, 2019 and other annuals.

**Table 18.53-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,
FOR SPECIFIED HARBORS: 2017**

[In 1,000 short tons. Categories may not sum to totals because of rounding]

Category	Hilo	Kawaihae	Kahului	Barbers Point	Honolulu	Nawiliwili
All freight traffic	2,165	2,037	3,671	9,996	14,786	1,902
Foreign						
Inbound	26	-	21	6,789	743	16
Outbound	-	-	-	524	546	-
Canadian						
Inbound	-	-	-	321	57	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	2,139	2,037	3,650	2,361	13,441	1,885
Receipts	1,527	1,287	2,404	1,035	7,324	1,267
Shipments	611	750	1,246	1,312	6,117	618
Internal, inbound, upbound	-	-	-	14	-	-

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2017, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed July 6, 2019.

Table 18.54-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES, FOR SPECIFIED HARBORS: 2017

[In 1,000 short tons. Categories may not sum to totals due to rounding]

Port and commodity	All commo- dities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Hilo	2,165	26	-	-	-	2,139	1,527	611	-
Petroleum and petroleum products	350	26	-	-	-	324	323	1	-
Primary manufactured goods	29	-	-	-	-	29	27	3	-
Food and farm products	34	-	-	-	-	34	20	15	-
Manufactured equipment, machinery and products	1,718	-	-	-	-	1,718	1,130	589	-
Kawaihae	2,037	-	-	-	-	2,037	1,287	750	-
Petroleum and petroleum products	105	-	-	-	-	105	105	(2/)	-
Primary manufactured goods	44	-	-	-	-	44	41	3	-
Food and farm products	133	-	-	-	-	133	92	40	-
Manufactured equipment, machinery and products	1,703	-	-	-	-	1,703	1,019	685	-
Kahului	3,671	21	-	-	-	3,650	2,404	1,246	-
Petroleum and petroleum products	462	21	-	-	-	441	441	(2/)	-
Primary manufactured goods	72	-	-	-	-	72	66	6	-
Food and farm products	188	-	-	-	-	188	124	64	-
Manufactured equipment, machinery and products	2,905	(2/)	-	-	-	2,905	1,742	1,163	-
Barbers Point	9,996	6,789	524	321	-	2,361	1,035	1,312	14
Petroleum and petroleum products	8,216	5,740	419	9	-	2,048	869	1,166	14
Primary manufactured goods	460	337	-	-	-	123	-	123	-
Food and farm products	(2/)	(2/)	-	-	-	-	-	-	-
Manufactured equipment, machinery and products	122	(2/)	-	-	-	121	121	-	-

Continued on next page.

Table 18.54-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES, FOR SPECIFIED HARBORS: 2017 -- Con.

Port and commodity	All commo- dities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Honolulu	14,786	743	546	57	-	13,441	7,324	6,117	-
Petroleum and petroleum products	1,191	514	423	57	-	197	160	37	-
Primary manufactured goods	267	38	4	-	-	226	188	37	-
Food and farm products	1,732	63	19	-	-	1,650	1,184	466	-
Manufactured equipment, machinery and products	11,099	101	22	-	-	10,976	5,493	5,483	-
Nawiliwili	1,920	16	-	-	-	1,885	1,267	618	-
Petroleum and petroleum products	178	16	-	-	-	162	162	(2/)	-
Primary manufactured goods	23	(2/)	-	-	-	23	19	4	-
Food and farm products	58	-	-	-	-	58	47	12	-
Manufactured equipment, machinery and products	1,622	-	-	-	-	1,622	1,025	597	-

1/ Includes intraport, upbound and downbound.

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 2017, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed July 6, 2019.

Table 18.55-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED CODES: 2018

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Average establish-ments	Annual average employ-ment	Total annual wages (\$1,000)	Annual wages per employee
	Total	1,043	29,660	1,648,262	55,571
481	Air transportation	75	9,747	717,046	73,564
4811	Scheduled air transportation	45	9,384	695,457	74,114
4812	Nonscheduled air transportation	30	364	21,589	59,377
483	Water transportation	23	1,740	134,103	77,085
484	Truck transportation	211	3,305	154,687	46,800
4841	General freight trucking	104	1,830	87,662	47,905
4842	Specialized freight trucking	107	1,475	67,025	45,430
485	Transit & ground passenger transp.	133	2,289	64,817	28,312
4854	School & employee bus transp.	15	1,014	26,125	25,766
4859	Other ground passenger transp.	54	830	24,406	29,416
487	Scenic & sightseeing transportation	246	4,575	171,511	37,492
4871	Scenic & sightseeing transp., land	51	1,844	65,409	35,463
4872	Scenic & sightseeing transp., water	172	2,071	70,290	33,936
4879	Scenic & sightseeing transp., other	23	659	35,812	54,349
488	Support activities for transportation	243	5,017	286,004	57,004
4881	Support activities for air transp.	73	2,467	77,268	31,316
4883	Support activities for water transp.	35	1,299	162,125	124,807
4884	Support activities for road transp.	66	672	15,576	23,175
4885	Freight transportation arrangement	66	509	28,043	55,139
492	Couriers & messengers	64	2,266	84,787	37,416
4921	Couriers and express delivery services	39	1,683	72,137	42,862
4922	Local messengers and local delivery	26	583	12,650	21,695

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages, Annual Averages 2018* <https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables> accessed June 22, 2019.

**Table 18.56-- 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.

Table
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Section 19

AGRICULTURE

This section presents statistics on agricultural land, farms and organic farms, agricultural employment and operation costs, crops, livestock, dairy products, poultry, and aquaculture. Related information appears in Sections 6 (land use) and 22 (food processing).

Important sources for data on agriculture include the *United States Census of Agriculture*, most recently published for 2017; the annual report on *Statistics of Hawaii Agriculture* issued by the Hawaii Agricultural Statistics Service; the Bureau of Economic Analysis; 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 19.01-- FARMS BY SIZE, LAND IN FARMS, AND VALUE OF LAND, BUILDINGS, AND EQUIPMENT: 2007, 2012 AND 2017

Item	Unit	2007	2012	2017
Farms	Number	7,521	7,000	7,328
Land in farms	Acres	1,121,329	1,129,317	1,135,352
Farms by size				
1 to 9 acres	Number	4,813	4,412	4,868
10 to 49 acres	Number	1,972	1,752	1,693
50 to 179 acres	Number	423	480	396
180 to 499 acres	Number	154	172	171
500 to 999 acres	Number	44	57	74
1,000 to 1,999 acres	Number	50	48	43
2,000 acres or more	Number	65	79	83
Average size of farm	Acres	149	161	155
Median size of farm	Acres	5	5	5
Total cropland	Farms	6,281	5,551	5,826
	Acres	177,626	174,042	191,175
Harvested cropland	Farms	6,044	5,293	5,316
	Acres	103,120	99,031	84,767
Irrigated land	Farms	2,810	2,498	2,250
	Acres	58,635	81,813	45,452
Value of land and buildings				
Average per farm	Dollars	1,146,213	1,461,342	1,445,188
Average per acre	Dollars	7,688	9,058	9,328
Estimated market value of all machinery and equipment				
Total	\$1,000	304,997	307,994	371,436
Average per farm	Dollars	40,666	43,999	50,701

Source: USDA National Agricultural Statistics Service, *2007 Census of Agriculture, Vol. 1, Chapter 2: State Level Data* (December 2009), "Table 1. State Summary Highlights: 2007", pp. 276-293, *2012 Census of Agriculture, Vol.1, Part 1, Hawaii* (May 2014), "Table 1. Historical Highlights: 2012 and Earlier Census Years", pp. 7-8, *2012 Census of Agriculture, Vol. 1, Chapter 2: State Level Data*, "Table 1. State Summary Highlights: 2012", pp. 245-260 (May 2014); and *2017 Census of Agriculture, Vol. 1, Chapter 2: State Level Data*, "Table 1. County Summary Highlights: 2017" <https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_2_County_Level/Hawaii/st15_2_0001_0001.pdf> accessed April 15, 2019.

**Table 19.02-- FARMS, MARKET VALUE AND VALUE OF SALES:
2007, 2012 AND 2017**

Item	Unit	2007	2012	2017
Total farms in Hawaii	Number	7,521	7,000	7,328
Farms by value of sales				
Less than \$2,500	Number	2,932	2,130	2,671
\$2,500 to \$4,999	Number	1,012	902	784
\$5,000 to \$9,999	Number	996	1,058	1,070
\$10,000 to \$24,999	Number	1,143	1,397	1,176
\$25,000 to \$49,999	Number	557	684	707
\$50,000 to \$99,999	Number	353	323	389
\$100,000 to \$499,999	Number	380	358	368
\$500,000 or more	Number	148	148	163
Market value of agricultural products sold	\$1,000	513,626	661,347	563,803
Crops, including nursery and greenhouse crops	\$1,000	429,916	538,873	417,069
Livestock, poultry, and their products	\$1,000	83,711	122,474	146,733
Average market value of agricultural products sold per farm	Dollars	68,292	94,478	76,938

Source: USDA National Agricultural Statistics Service, *2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii*, "Table 1. Historical Highlights: 2017 and Earlier Census Years" <https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_1_State_Level/Hawaii/st15_1_0001_0001.pdf> accessed April 15, 2019.

Table 19.03-- FARMS BY SIZE, LAND IN FARMS, AND VALUE OF LAND, BUILDINGS AND EQUIPMENT, BY COUNTY: 2017

Item	Unit	State total	Hawaii County	City and Co. of Honolulu	Kauai County	Maui County
Farms	Number	7,328	4,220	927	773	1,408
Land in farms	Acres	1,135,352	664,444	71,795	150,157	248,956
Farms by size						
1 to 9 acres	Number	4,868	2,621	707	530	1,010
10 to 49 acres	Number	1,693	1,153	139	149	252
50 to 179 acres	Number	396	240	43	38	75
180 to 499 acres	Number	171	103	17	28	23
500 to 999 acres	Number	74	42	5	11	16
1,000 or more acres	Number	126	61	16	17	32
Average size of farm	Acres	155	157	77	194	177
Median size of farm	Acres	5	6	4	5	4
Total cropland	Farms	5,826	3,315	780	583	1,148
	Acres	191,175	82,295	23,067	29,262	56,551
Harvested cropland	Farms	5,316	3,008	730	521	1,057
	Acres	84,767	58,504	13,664	5,467	7,132
Irrigated land	Farms	2,250	828	512	259	651
	Acres	45,452	6,662	11,683	22,258	4,849
Estim. market value of land and buildings						
Average per farm	Dollars	1,445,188	1,091,739	1,920,259	1,744,739	2,027,299
Average per acre	Dollars	9,328	6,934	24,794	8,982	11,466
Estim. market value of all machinery & equipment	\$1,000	371,436	176,664	85,318	36,990	72,464
Average per farm	Dollars	50,701	41,883	92,036	47,852	51,466
Market value of agricultural products sold	\$1,000	563,803	269,188	151,383	61,025	82,206
Average per farm	Dollars	76,938	63,789	163,305	78,946	58,385
Crops, including nursery & greenhouse crops	\$1,000	417,069	160,040	136,920	45,899	74,211
Livestock, poultry, & their products	\$1,000	146,733	109,148	14,464	15,126	7,995

Source: USDA National Agricultural Statistics Service, *2017 Census of Agriculture*, Hawaii, County Data, "Table 1. County Summary Highlights: 2017" <https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_2_County_Level/Hawaii/st15_2_0001_0001.pdf> accessed April 16, 2019.

Table 19.04-- FARM PRODUCTION EXPENSES: 2007, 2012 AND 2017

[In thousands of dollars]

Item	2007	2012	2017
Total farm production expenses	486,648	659,262	575,703
Selected farm production expenses			
Livestock and poultry purchased or leased	3,343	3,880	5,011
Feed purchased	24,678	43,811	36,783
Fertilizer, lime, and soil conditioners purchased	29,807	46,584	31,787
Gasoline, fuels, and oils purchased	24,443	33,157	23,512
Hired farm labor	178,496	269,907	230,205
Interest expense	14,838	13,208	21,587
Chemicals purchased	17,238	32,993	17,684

Source: USDA National Agricultural Statistics Service, *2017 Census of Agriculture, Vol.1, Chapter 1, Hawaii*, "Table 1. Historical Highlights: 2017 and Earlier Census Years,"
https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_1_State_Level/Hawaii/st15_1_0001_0001.pdf accessed April 16, 2019.

Table 19.05-- FARM INCOME AND EXPENSES: 2014 TO 2017[In thousands of dollars. Data revised from previous *Data Book*]

Item	2014	2015	2016	2017
Cash receipts from marketings	702,593	687,006	680,819	626,499
Livestock and products	180,748	190,786	160,206	164,663
Crops	521,845	496,220	520,613	461,836
Other income	126,680	114,030	78,719	105,169
Government payments	24,665	24,841	12,081	11,542
Imputed and misc. income received 1/	102,015	89,189	66,638	93,627
Production expenses	823,710	748,791	773,700	800,598
Feed purchased	36,891	33,876	32,197	31,231
Livestock purchased	5,347	5,514	3,859	3,594
Seed purchased	21,332	20,593	21,076	20,771
Fertilizer, lime and agricultural chemicals	77,559	71,029	68,964	66,398
Petroleum products purchased	35,415	26,341	24,318	27,697
Hired farm labor expenses 2/	297,784	276,555	298,278	310,044
All other production expenses 3/	349,382	314,883	325,008	340,863
Value of inventory change	1,861	8,290	-3,623	-1,157
Livestock	-72	8,014	2,107	682
Crops	-	-	-	-
Materials and supplies	1,933	276	-5,730	-1,839

1/ Consists of the value of home consumption and other farm related income components, such as machine hire and custom work income and income from forest products.

2/ Consists of hired workers' cash pay and perquisites, employers' contributions for social security and Medicare, and payments for contract labor, machine hire, and custom work.

3/ Consists of repair and operation of machinery and depreciation, interest, rent and taxes.

Source: Bureau of Economic Analysis, "Local Area Personal Income and Employment, Farm Income and Expenses" (CAINC45) (March 6, 2019) <<https://www.bea.gov/itable/>> accessed March 27, 2019.

Table 19.06-- FARM ORGANIZATION AND SELECTED PRIMARY PRODUCER CHARACTERISTICS: 2007, 2012 AND 2017

Organization or primary producer characteristic 1/	2007	2012	2017
Farm by type of organization			
Family or individual	6,363	5,685	5,733
Partnership	437	446	569
Corporation	517	637	737
Other- cooperative, estate or trust, institutional, etc.	104	232	289
Primary producers by primary occupation			
Farming	3,861	3,642	3,828
Other	3,660	3,358	3,500
Primary producers by days worked off farm			
None	1,903	2,223	2,704
Any	5,618	4,777	4,624
1 to 49 days	1,015	690	874
50 to 99 days	857	562	529
100 to 199 days	919	927	866
200 days or more	2,827	2,598	2,355
Primary producers' place of residence			
On farm operated	5,355	4,649	5,158
Not on farm operated	2,166	2,351	2,170
Primary producers by sex			
Male	5,715	5,426	4,819
Female	1,806	1,574	2,509
Primary producers by race			
American Indian or Alaska Native	41	32	28
Asian	2,544	2,824	2,092
Black or African American	10	18	10
Native Hawaiian or Other Pacific Islander	625	689	667
White	3,627	2,749	3,726
More than one race	674	688	805
Average age of primary producer	58.6	60.4	61.8
Young primary producers 2/	(NA)	(NA)	316

NA Not available.

1/ In 2007 and 2012, data were reported for the "principal operator," which is defined as the person who is primarily responsible for the on-site, day-to-day operation of the farm or ranch business. The "primary producer" is a principal producer. If multiple principal producers were reported on a farm, the primary producer was chosen by designating the person who made the most decisions for the farm.

2/ A young producer is defined as a producer 35 years of age or younger.

Source: USDA National Agricultural Statistics Service, *2012 Census of Agriculture, Vol.1, Part 1, Hawaii*, "Table 1. Historical Highlights: 2012 and Earlier Census Years" and "Table 62. Selected Principal Operator Characteristics by Race: 2012 and 2007" (May 2014) and *Ibid. 2017*. "Table 1. Historical Highlights: 2017 and Earlier Census Years" and "Table 52. Selected Producer Characteristics: 2017 and 2012" (April 2019) <<https://www.nass.usda.gov/AgCensus/>> accessed June 26, 2019.

Table 19.07-- NUMBER OF FARMS, FARM ACREAGE, AND AVERAGE FARM EMPLOYMENT: 2000 TO 2018

Year	Number of farms 1/	Farm acreage 2/ (1,000)	Annual average farm employment 3/		
			Self-employed farm operators	Unpaid workers 4/	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/	5,398	1,300	3,000	1,100	7,500
2003	5,500	1,300	(6/)	(6/)	7,300
2004	5,500	1,300	(6/)	(6/)	7,300
2005	5,500	1,300	(6/)	(6/)	7,000
2006	5,500	1,160	(6/)	(6/)	7,000
2007 5/	7,521	1,121	(6/)	(6/)	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/)	7,100
2012 5/	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
2015	7,000	1,120	(6/)	(6/)	6,500
2016	7,000	1,120	(6/)	(6/)	6,000
2017 5/	7,328	1,135	(6/)	(6/)	6,000
2018	7,300	1,100	(6/)	(6/)	6,300

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. Annual averages are based on survey data for January, April, July, October.

4/ Includes family members and others that worked 15 or more hours during the survey week.

5/ 'Number of farms' and 'Farm acreage' revised from previous *Data Book*.

6/ 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. Estimates were again discontinued beginning in October 2011.

Source: U.S. Department of Agriculture, National Agricultural Statistics Service, *2017 Census of Agriculture, Hawaii* "Table 8. Farms, Land in Farms, Value of Land and Buildings, and Land Use" (April 2019) <<https://www.nass.usda.gov/Publications/AgCensus/2017>> accessed April 11, 2019; *Hawaii Annual Statistics Bulletin* (annually through 2013) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin> accessed April 11, 2019; and Quick Stats <<https://quickstats.nass.usda.gov/>> accessed June 6, 2019.

Table 19.08-- FARM EMPLOYMENT: 1998 TO 2017

[The estimates of employment for 1998-2006 are based on the 2002 North American Industry Classification System (NAICS). The estimates for 2007-2010 are based on the 2007 NAICS. The estimates for 2011-2016 are based on the 2012 NAICS. The estimates for 2017 are based on the 2017 NAICS. Figures revised from previous *Data Book*]

Year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
1998	12,501	5,297	7,204
1999	12,292	5,274	7,018
2000	12,839	5,258	7,581
2001	12,314	5,236	7,078
2002	11,978	4,795	7,183
2003	11,917	4,719	7,198
2004	11,596	4,604	6,992
2005	11,404	4,605	6,799
2006	11,304	4,513	6,791
2007	12,489	6,149	6,340
2008	11,661	6,006	5,655
2009	11,288	5,903	5,385
2010	11,510	5,848	5,662
2011	12,304	5,776	6,528
2012	11,735	5,636	6,099
2013	11,861	5,693	6,168
2014	13,072	5,696	7,376
2015	12,446	5,712	6,734
2016	11,999	5,705	6,294
2017	11,985	5,704	6,281

1/ 'Total farm employment' is the number of workers engaged in the direct production of agricultural commodities, either livestock or crops; whether as a sole proprietor, partner, or hired laborer.

2/ Consists of sole proprietors and non-corporate partners in the farm industry.

3/ 'Farm wage and salary employment' is the number of hired laborers engaged in the direct production of agricultural commodities, either livestock or crops.

Source: Bureau of Economic Analysis, "Annual State Personal Income and Employment, Total Full-Time and Part-Time Employment by NAICS Industry" (SAEMP25N) (September 25, 2018) and "Full-Time and Part-Time Wage and Salary Employment by NAICS Industry" (SAEMP27N) (September 25, 2018) <<https://www.bea.gov/itable/>> accessed March 27, 2019.

Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2001 TO 2017

[The estimates of employment for 2001-2006 are based on the 2002 North American Industry Classification System (NAICS). The estimates for 2007-2010 are based on the 2007 NAICS. The estimates for 2011-2016 are based on the 2012 NAICS. The estimates for 2017 are based on the 2017 NAICS. Figures revised from previous *Data Book*]

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
State			
2001	12,314	5,236	7,078
2002	11,978	4,795	7,183
2003	11,917	4,719	7,198
2004	11,596	4,604	6,992
2005	11,404	4,605	6,799
2006	11,304	4,513	6,791
2007	12,489	6,149	6,340
2008	11,661	6,006	5,655
2009	11,288	5,903	5,385
2010	11,510	5,848	5,662
2011	12,304	5,776	6,528
2012	11,735	5,636	6,099
2013	11,861	5,693	6,168
2014	13,072	5,696	7,376
2015	12,446	5,712	6,734
2016	11,999	5,705	6,294
2017	11,985	5,704	6,281
Hawaii			
2001	5,335	3,171	2,164
2002	5,101	2,890	2,211
2003	5,098	2,873	2,225
2004	5,028	2,828	2,200
2005	5,095	2,847	2,248
2006	5,162	2,807	2,355
2007	6,362	3,847	2,515
2008	5,916	3,752	2,164
2009	5,666	3,680	1,986
2010	5,599	3,638	1,961
2011	5,776	3,584	2,192
2012	5,577	3,491	2,086
2013	5,573	3,520	2,053
2014	6,117	3,522	2,595
2015	5,954	3,519	2,435
2016	5,851	3,516	2,335
2017	6,065	3,515	2,550

Continued on next page.

Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2001 TO 2017 -- Con.

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
Honolulu			
2001	2,828	732	2,096
2002	2,819	656	2,163
2003	2,917	627	2,290
2004	2,685	594	2,091
2005	2,531	579	1,952
2006	2,385	554	1,831
2007	2,167	737	1,430
2008	2,069	735	1,334
2009	2,120	736	1,384
2010	2,352	744	1,608
2011	2,717	750	1,967
2012	2,582	746	1,836
2013	2,695	756	1,939
2014	2,997	757	2,240
2015	2,851	763	2,088
2016	2,724	762	1,962
2017	2,793	762	2,031
Maui 4/			
2001	2,822	792	2,030
2002	2,728	731	1,997
2003	2,598	719	1,879
2004	2,631	702	1,929
2005	2,530	704	1,826
2006	2,568	691	1,877
2007	2,874	941	1,933
2008	2,661	930	1,731
2009	2,463	925	1,538
2010	2,572	928	1,644
2011	2,790	929	1,861
2012	2,591	919	1,672
2013	2,594	931	1,663
2014	2,857	931	1,926
2015	2,576	941	1,635
2016	2,408	939	1,469
2017	2,086	939	1,147

Continued on next page.

Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2001 TO 2017 -- Con.

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
Kauai			
2001	1,329	541	788
2002	1,330	518	812
2003	1,304	500	804
2004	1,252	480	772
2005	1,248	475	773
2006	1,189	461	728
2007	1,086	624	462
2008	1,015	589	426
2009	1,039	562	477
2010	987	538	449
2011	1,021	513	508
2012	985	480	505
2013	999	486	513
2014	1,101	486	615
2015	1,065	489	576
2016	1,016	488	528
2017	1,041	488	553

1/ 'Total farm employment' is the number of workers engaged in the direct production of agricultural commodities, either livestock or crops; whether as a sole proprietor, partner, or hired laborer.

2/ Consists of sole proprietors and non-corporate partners in the farm industry.

3/ 'Farm wage and salary employment' is the number of hired laborers engaged in the direct production of agricultural commodities, either livestock or crops. For counties, it is calculated by subtracting 'Farm proprietors employment' from 'Total farm employment'. The calculated residuals might include corporate partners.

4/ Maui County includes Kalawao County.

Source: Bureau of Economic Analysis, "Local Area Personal Income and Employment, Total Full-Time and Part-Time Employment by Industry" (CAEMP25N) (November 15, 2018) and "Annual State Personal Income and Employment, Total Full-Time and Part-Time Employment by NAICS Industry" (SAEMP25N) (September 25, 2018) <<https://www.bea.gov/itable/>> accessed March 27, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 19.10-- VALUE OF CROP, LIVESTOCK, AND AQUACULTURE SALES:
1995 TO 2017**

[Thousands of dollars]

Year	All crops, livestock, and aquaculture	Crops				Livestock	Aquaculture
		All crops 1/	Sugar (unpro- cessed cane)	Pine- apples (fresh equiv.)	Other crops		
1995	506,692	421,089	127,700	87,360	206,029	72,296	13,307
1996	511,343	428,671	108,100	95,914	224,657	67,017	15,655
1997	504,705	420,306	85,500	91,721	243,085	67,799	16,600
1998	509,962	420,634	87,300	92,776	240,558	72,708	16,620
1999	531,094	443,111	86,800	101,448	254,863	69,881	18,102
2000	521,941	431,482	62,200	101,530	267,752	68,289	22,170
2001	524,378	437,438	57,800	96,337	283,301	64,740	22,200
2002	539,518	453,400	64,300	100,616	288,484	60,938	25,180
2003	548,123	461,680	64,400	101,470	295,810	58,793	27,650
2004	552,057	459,702	61,500	83,104	315,098	64,255	28,100
2005	582,785	493,991	58,900	79,288	355,803	60,396	28,398
2006	579,590	499,684	50,200	73,652	375,832	58,649	21,257
2007	577,999	498,338	47,600	(D)	450,738	54,551	25,110
2008	605,570	522,139	44,200	(D)	477,939	48,781	34,650
2009	641,850	553,862	44,200	(D)	509,662	55,658	32,330
2010	674,590	583,680	69,800	(D)	513,880	60,940	29,970
2011	719,474	602,881	78,100	(D)	524,781	76,623	39,970
2012	646,318	527,554	73,322	(D)	454,222	63,024	55,740
2013	641,703	521,182	77,740	(D)	443,442	61,856	58,665
2014	631,063	474,707	54,349	(D)	420,358	78,115	78,241
2015	604,052	446,850	48,148	(D)	398,702	80,968	76,234
2016	578,595	445,717	54,375	(D)	391,342	57,168	75,710
2017	(NA)	(NA)	(2/)	(D)	(NA)	3/ 57,467	76,367

NA Not available.

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/ Hawaii's last sugar operation closed at the end of 2016.

3/ Includes cattle, hogs, milk, and honey. See Table 19.18 for details.

Source: USDA National Agricultural Statistics Service, *Hawaii Annual Statistics Bulletin* (annual through 2013) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/> accessed July 26, 2017; *Hawaii Aquaculture* (annual) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Miscellaneous/index.php> accessed April 11, 2019; Quick Stats <<https://quickstats.nass.usda.gov/>> accessed June 6, 2019, and records.

Table 19.11-- CROPS, BY ACREAGE AND SALES: 2014 TO 2017

Subject and crop	2014	2015	2016	2017
Acreage in crop (1,000 acres)				
Sugarcane	35	36	35	(1/)
Pineapples	(D)	(D)	(D)	(D)
Vegetables and melons (harvested acreage)	3	5	6	5
Fruits, excluding pineapples	4	3	2	(NA)
Coffee (acres bearing)	8	8	7	7
Macadamia nuts (acres bearing)	16	16	16	17
All other crops	18	18	20	(NA)
Value of crop sales (\$1,000)				
Sugar (unprocessed cane)	54,349	48,148	54,375	(1/)
Pineapples (fresh equivalent)	(D)	(D)	(D)	(D)
Vegetables, ginger root, herbs, and melons 2/ 3/	39,790	45,190	55,325	45,620
Fruits (excluding pineapples) 3/	24,972	22,271	19,906	(NA)
Coffee 4/	54,270	62,622	48,856	43,774
Macadamia nuts (in shell)	40,020	46,000	42,000	53,900
Taro	1,944	2,381	2,312	2,580
Seed crops	158,800	140,830	148,400	120,800
Flowers and nursery products	67,162	67,399	74,543	77,550

NA Not available.

D Data not shown separately to avoid disclosure of individual operations.

1/ Hawaii's last sugar operation closed at the end of 2016.

2/ Includes noni, kava ('awa), and others. Non-published commodities not included to avoid disclosure of individual operations but combined and included in total crop value.

3/ Values include commodities from Tropical Specialties survey for 2016.

4/ Value is expressed in parchment basis for 2014; later values are expressed in cherry basis.

Source: USDA National Agricultural Statistics Service, *Hawaii Top 20 Commodities* (annual), *Hawaii Floriculture and Nursery Products* (annual), and *Hawaii Vegetable and Melon Crops* (annual)

<https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/> accessed July 12, 2019, Quick Stats

<<https://quickstats.nass.usda.gov/>> accessed July 12, 2019, and records.

Table 19.12-- SEED CROPS, BY NUMBER OF FARMS, ACREAGE, OUTSHIPMENTS, AND VALUE: 2005/2006 TO 2018/2019

[Seed crops are grown year-round in Hawaii with the main season from November to June]

Crop year	Number of farms	Acreage	Outshipments of seed (1,000 lb.)	Value (\$1,000) 1/		
				Total	Seed corn	Other seed crops
2005/2006	10	4,140	7,550	77,330	74,800	2,530
2006/2007	10	4,260	10,470	103,040	98,050	4,990
2007/2008	10	5,300	8,380	140,710	135,580	5,130
2008/2009	10	5,990	11,275	176,990	169,275	7,715
2009/2010	11	6,500	12,000	236,410	224,490	11,920
2010/2011	10	6,205	10,230	239,370	229,935	9,435
2011/2012	10	6,910	10,750	241,615	230,450	11,165
2012/2013	10	5,900	8,245	184,235	178,615	5,620
2013/2014	10	4,840	7,970	158,800	155,000	3,800
2014/2015	10	4,260	8,590	140,830	137,680	3,150
2015/2016	10	3,980	5,740	144,530	140,000	4,530
2016/2017	11	2/ 4,090	7,600	148,400	144,100	4,300
2017/2018 2/	10	3,030	5,320	121,900	111,800	10,100
2018/2019 3/	(NA)	2,530	4,830	105,700	102,200	3,500

NA Not available.

1/ Value is based on sales or gross operational budgets.

2/ Revised from previous *Data Book*. For 2017/2018, revised to final data.

3/ Preliminary.

Source: USDA National Agricultural Statistics Service, *Hawaii Seed Crops* (annual)

<https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Sugarcane_and_Specialty_Crops/index.php> accessed July 5, 2019 and records.

Table 19.13-- SELECTED CROPS HARVESTED AND LAND IN ORCHARDS, BY NUMBER OF FARMS, ACRES AND WEIGHT: 2007, 2012 AND 2017

Item	Unit	2007	2012	2017
Corn for grain	farms	14	15	20
	acres	3,115	5,198	4,899
	bushels	124,878	367,142	521,944
Sugarcane for sugar	farms	9	18	9
	acres	(D)	(D)	30
	tons	(D)	(D)	435
Vegetables harvested	farms	901	960	915
	acres	6,845	8,880	8,579
Potatoes	farms	15	38	30
	acres	7	26	149
Sweet potatoes	farms	94	143	90
	acres	297	882	876
Land in orchards 1/	farms	4,443	3,488	3,901
	acres	36,652	35,832	38,872
Pineapples harvested	farms	42	42	(1/)
	acres	(D)	(D)	(1/)
	tons	(D)	(D)	(1/)

D Withheld to avoid disclosing data for individual farms.

1/ Data for 2007 and 2012 exclude pineapples. Data for 2017 include pineapples. Starting in 2017, pineapples were moved from the field crops section to the fruit and nut section. As a result, land in orchards includes pineapples in 2017 and land in orchards is not directly comparable to 2012 and earlier. This category includes land in bearing age and nonbearing age fruit trees, citrus or other groves, vineyards, and nut trees of all ages, including land which all fruit crops failed. Respondents also reported bearing age acres and nonbearing age acres by individual fruit and nut crops.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *2012 Census of Agriculture, Vol. 1, Part 1, Hawaii*, "Table 1. Historical Highlights: 2012 and Earlier Census Years" (May 2014); *2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii*, "Table 1. Historical Highlights: 2017 and Earlier Census years" (April 2019) <<https://www.nass.usda.gov/AgCensus/index.php>> accessed April 16, 2019.

Table 19.14-- SPECIALTY CROPS, FRUITS, AND VEGETABLES: 2017

[Excludes organics. See Table 19.24 for sales of certified organic agricultural products]

Crop	Acreage bearing	Acreage harvested	Yield per acre (1,000 lb.) 1/	Price received (\$ per lb.) 2/	Utilized Production (1,000 lb.) 3/	Value of sales (\$1,000)
Specialty crops						
Coffee 4/	7,200	(NA)	3.5	1.78	24,592	43,774
Macadamia nuts	17,000	(NA)	2.9	1.10	49,000	53,900
Seed crops	3,030	(NA)	(X)	(X)	(X)	121,900
Fruits						
Avocados	740	(NA)	2.1	1.04	1,480	1,538
Bananas	(NA)	950	7.0	0.91	6,610	6,028
Papayas	1,100	(NA)	23.3	0.42	22,250	9,400
Vegetables						
Bittermelon	(NA)	5	2.0	1.50	10	15
Cabbage, Chinese	(NA)	185	15.8	0.59	2,920	1,725
Cabbage, mustard	(NA)	50	7.5	0.79	375	295
Daikon radish	(NA)	75	9.5	1.18	715	845
Eggplant	(NA)	55	15.6	1.08	860	930
Kale	(NA)	55	7.3	2.33	400	930
Lettuce, head	(NA)	80	15.7	1.65	1,255	2,075
Lettuce, leaf	(NA)	195	6.5	3.47	1,265	4,390
Lettuce, Romaine	(NA)	130	11.6	1.48	1,510	2,240
Onions, dry	(NA)	370	5.3	1.06	1,960	2,080
Onions, green	(NA)	55	12.2	2.15	670	1,440
Potatoes, sweet	(NA)	360	17.1	0.51	6,170	3,120
Squash, Oriental	(NA)	30	3.7	0.86	110	95
Snap beans	(NA)	155	3.0	1.85	460	850

X Not applicable.

NA Not available.

1/ For avocados, converted from tons. For bittermelon and all vegetables, calculated as 'utilized production' divided by 'acreage harvested.' Some precision is lost due to rounding in the source.

2/ For avocados, converted from dollars per ton. For bittermelon and all vegetables, calculated as 'value of sales' divided by 'utilized production.' Some precision is lost due to rounding in the source.

3/ For avocados, converted from tons. Some precision is lost due to rounding in the source.

4/ Valuation of coffee is in cherry basis.

Source: USDA National Agricultural Statistics Service, *Hawaii Vegetable and Melon Crops Report* (June 2019) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Vegetables/index.php> accessed July 5, 2019, *Hawaii Seed Crops* (June 2019) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Sugarcane_and_Specialty_Crops/index.php> accessed July 5, 2019, and Quick Stats <<https://quickstats.nass.usda.gov>> accessed July 5, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 19.15-- TOP 20 AGRICULTURAL COMMODITIES: 2017

Rank	Commodity	Value of production (\$1,000)	Rank	Commodity	Value of production (\$1,000)
1	Seed crops	120,800	11	Bananas	6,028
2	Macadamia nuts	53,900	12	Palms, potted	4,607
3	Cattle	43,891	13	Plant rentals	3,440
4	Coffee	43,774	14	Dendrobiums, potted	3,240
5	Other aquaculture	41,177	15	Sweet potatoes	3,120
6	Algae	35,190	16	Anthurium	2,892
7	Landscape plant material	22,354	17	Honey	2,374
8	Papayas	9,400	18	Dry onions	2,080
9	Milk	9,214	19	Cabbage, Chinese	1,725
10	Lettuce	8,705	20	Ginger root	(1/)

1/ The 2016 value of production (\$1,000) was reported by the source as 1,700. The 2017 value was not available.

Source: USDA National Agricultural Statistics Service, *2017 Top 20 Commodities, State of Hawaii*, <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/2017/2017HawaiiTop20Commodities.pdf> accessed April 5, 2019.

**Table 19.16-- SUGARCANE ACREAGE, BY TYPE OF IRRIGATION:
1993 TO 2016**

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	-	-
2016 1/	17,500	17,500	-	-

1/ Hawaii Commercial & Sugar Company ended its sugar operation at the end of 2016.

Source: Hawaii Agriculture Research Center; Hawaiian Commercial & Sugar Company, records.

Table 19.17-- LIVESTOCK INVENTORY: 1990 TO 2018

[In thousands. As of January 1 for cattle. As of December 1 for hogs and chicken. Marketing year for bee colonies]

Year	Cattle and calves 1/					Hogs	Chickens 3/	Bee colonies
	Total	Milk cows	Beef cows	Calves	Other cattle 2/			
1990	205	11	75	49	70	36	1,183	10
1991	215	11	80	43	81	34	1,213	10
1992	200	10	77	53	60	35	1,109	9
1993	178	11	78	44	45	33	1,012	9
1994	165	11	78	39	37	35	981	9
1995	178	11	82	45	40	34	933	8
1996	174	10	81	44	39	28	876	8
1997	172	10	83	39	40	29	863	9
1998	180	9	88	40	43	29	747	8
1999	173	9	86	40	38	28	721	8
2000	164	9	84	35	36	26	722	7
2001	150	7	81	34	28	27	659	8
2002	152	7	78	35	32	24	625	7
2003	151	7	79	32	33	23	600	7
2004	156	6	82	36	32	22	598	8
2005	155	6	81	34	34	19	547	9
2006	161	5	87	35	34	16	470	10
2007	158	4	85	35	34	15	398	10
2008	152	2	83	34	33	13	1/ 375	10
2009	150	2	84	32	32	13	1/ 381	10
2010	151	2	81	36	32	13	1/ 366	1/ 10
2011	141	2	79	30	30	12	(D)	9
2012	140	2	78	32	28	12	(D)	10
2013	135	2	72	33	28	12	(D)	13
2014	133	2	72	34	25	9	(D)	15
2015	133	2	69	32	30	9	(D)	14
2016	140	2	73	34	31	1/ 10	(D)	1/ 16
2017	142	2	74	34	32	8	(D)	1/ 19
2018	144	2	75	34	33	9	(D)	17

D Data not shown separately to avoid disclosure of individual operations.

1/ Revised from previous *Data Book*.

2/ Includes other heifers, bulls, and steers.

3/ Excluding broilers.

Source: USDA National Agricultural Statistics Service, Quick Stats <<https://quickstats.nass.usda.gov/>> accessed June 6, 2019, and records.

Table 19.18-- LIVESTOCK SALES, BY TYPE: 1990 TO 2018[In thousands of dollars. Revised from previous *Data Book*]

Year	Cattle 1/	Hogs 2/	Milk	Honey 3/
1990	28,735	7,252	30,760	738
1991	29,787	6,463	30,328	747
1992	29,235	6,521	32,495	671
1993	26,864	6,355	32,035	828
1994	18,458	6,209	31,747	432
1995	15,417	6,596	32,146	578
1996	13,175	6,585	29,234	1,004
1997	14,323	4,902	29,479	1,130
1998	16,861	5,235	33,293	727
1999	16,806	5,072	31,270	512
2000	19,204	4,425	28,102	643
2001	18,007	4,514	26,546	606
2002	18,326	4,788	22,467	1,057
2003	17,192	4,345	21,449	1,157
2004	22,534	4,463	20,175	1,221
2005	22,548	4,553	18,387	1,686
2006	26,452	4,158	14,508	1,125
2007	26,196	3,682	9,673	1,564
2008	24,305	3,359	5,460	1,431
2009	28,945	3,000	7,491	1,672
2010	30,892	3,661	8,750	2,118
2011	46,369	2,634	9,547	2,431
2012	52,426	2,429	9,644	3,113
2013	50,771	2,191	10,079	2,126
2014	61,444	4,972	10,514	3,195
2015	59,826	2,792	10,022	3,117
2016	42,769	1,740	9,161	4,699
2017	41,820	771	11,068	3,808
2018	45,781	485	9,464	3,204

1/ Excludes interfarm sales in-state; includes calves.

2/ Excludes interfarm sales in-state.

3/ Honey in production, for marketing year.

Source: USDA National Agricultural Statistics Service, Quick Stats <<https://quickstats.nass.usda.gov/>>
accessed June 25, 2019.

**Table 19.19-- LIVESTOCK AND POULTRY, INVENTORY AND SALES,
BY NUMBER AND FARMS: 2007, 2012 AND 2017**

Item	Unit	2007	2012	2017
Cattle and calves inventory	Farms	1,142	1,314	1,218
	Number	151,479	133,957	137,930
Beef cows	Farms	853	1,173	1,047
	Number	86,000	(D)	(D)
Milk cows	Farms	15	12	20
	Number	2,296	(D)	(D)
Cattle and calves sold	Farms	713	711	667
	Number	70,567	56,159	58,066
Hogs and pigs inventory	Farms	225	231	226
	Number	14,933	11,441	(D)
Hogs and pigs sold	Farms	148	131	155
	Number	20,569	12,529	(D)
Broilers and other meat-type chickens sold	Farms	7	22	31
	Number	(D)	2,639	8,356

D Withheld to avoid disclosing data for individual farms.

Source: USDA National Agricultural Statistics Service, *2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii*, "Table 1. Historical Highlights: 2017 and Earlier Census Years" <https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_1_State_Level/Hawaii/st15_1_0001_0001.pdf> accessed April 16, 2019.

Table 19.20-- FLORICULTURE AND NURSERY PRODUCTS: 1998 TO 2017

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	(NA)	2,987	1,748	19,987	(NA)	2,488	70,300
2013	(NA)	2,615	1,419	19,873	(NA)	2,126	72,292
2014	(NA)	2,620	1,794	21,332	(NA)	2,089	67,935
2015	(NA)	2,281	1,770	19,505	(NA)	1,793	67,399
2016	(NA)	2,264	1,822	19,061	(NA)	1,785	74,543
2017	(NA)	2,746	1,817	17,617	(NA)	2,300	77,550

NA Not available.

1/ Details may not sum to total due to rounding and categories not shown separately.

2/ Glass or glass substitute structure.

Source: USDA, National Agricultural Statistics Service, Hawaii Field Office, *Hawaii Floriculture and Nursery Products* (annual) <http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Flowers_and_Nursery_Products/> accessed April 8, 2019.

**Table 19.21-- SELECTED FLORICULTURE AND NURSERY PRODUCTS,
BY COMMODITY: 2017**

[Shown for commodities with value of sales over \$500,000 and excludes "Other" categories.
Includes only producers having 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 stems	3,185	2,892
Proteas	21	1,000 stems	969	1,070
Orchids				
Cut, Dendrobiums	21	1,000 stems	1,848	1,248
Potted, Dendrobiums	46	1,000 pots	558	3,240
Potted, Phalaenopsis	23	1,000 pots	134	1,376
Foliage				
Potted, Dracaena	22	1,000 pots	(NA)	(D)
Potted, Palms	22	1,000 pots	(NA)	4,607
Potted flowering plants				
Anthuriums	15	1,000 pots	97	690
Poinsettias	16	1,000 pots	230	1,228
Plant rentals	30	(X)	(NA)	3,440
Landscape plants 2/	135	(X)	(NA)	22,354

X Not applicable.

NA Not available.

D Data not shown separately to avoid disclosure of individual operations.

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 Floriculture and Nursery Products* (July 2018) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Flowers_and_Nursery_Products> accessed February 27, 2019.

Table 19.22-- AQUACULTURE OPERATIONS, BY NUMBER, PRODUCTION AND VALUE: 2012 TO 2017

Subject	2012	2013 1/	2014	2015	2016	2017
Farms	70	(NA)	(NA)	(NA)	(NA)	(NA)
Peak number of workers	(NA)	(NA)	(NA)	406	500	462
Production (1,000 lb.)						
Shellfish	(D)	(NA)	(D)	(D)	(D)	(D)
Finfish	(D)	(NA)	(D)	(D)	(D)	(D)
Value (\$1,000)	55,740	(NA)	78,241	76,234	75,710	76,367
Shellfish	(D)	(NA)	(D)	(D)	(D)	(D)
Finfish	(D)	(NA)	(D)	(D)	(D)	(D)
Algae	28,420	(NA)	33,086	33,808	34,349	35,190
Ornamental	(D)	(NA)	(D)	(D)	(D)	(D)
Other 2/	27,320	(NA)	45,155	42,426	41,361	41,177

NA Not available.

D Withheld to avoid disclosing data for individual farms but included in 'Other'.

1/ 2013 data were collected by the *Census of Aquaculture*. Numbers are not comparable.

2/ Includes seed stock, brood stock, and items not sold by weight which includes number count.

Source: USDA National Agricultural Statistics Service, *Hawaii Aquaculture* (annual)

<https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Miscellaneous/index.php>

accessed February 27, 2019.

**Table 19.23-- AGRICULTURAL CHEMICALS USED, INCLUDING FERTILIZER:
2012 AND 2017**

Chemicals used	Unit	2012	2017
Any fertilizer, manure, or chemicals used	farms	4,457	3,941
Any fertilizer or chemical expense	farms	5,101	4,790
	\$1,000	79,577	49,471
Manure used	farms	634	622
	acres on which used	5,165	4,748
Organic fertilizer used	farms	(NA)	668
	acres on which used	(NA)	5,235
Commercial fertilizer, lime and soil conditioners used	farms	3,450	2,979
	acres on which used	109,503	100,104
Commercial fertilizer, lime and soil conditioners expenses	farms	4,428	4,196
	\$1,000	46,584	31,787
Chemical expenses	farms	4,487	3,803
	\$1,000	32,993	17,684
Acers treated to control- Insects	farms	2,349	1,945
	acres on which used	30,417	50,380
Nematodes	farms	379	178
	acres on which used	4,089	5,040
Diseases in crops and orchards	farms	963	805
	acres on which used	9,143	8,963
Weeds, grass, or brush	farms	3,299	2,439
	acres on which used	114,713	93,195
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate	farms	338	228
	acres on which used	19,000	3,506

NA Not available.

Source: U.S. Department of Agriculture, *2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii*, "Table 46. Fertilizers and Chemicals Applied: 2017 and 2012" (April 2019) <<https://www.nass.usda.gov/AgCensus/>> accessed June 26, 2019.

Table 19.24-- FARMS, LAND, AND VALUE OF SALES OF CERTIFIED ORGANIC AGRICULTURAL PRODUCTS: 2016

Subject	Farms	Acres	Amount (\$1,000)
Certified organic farms	113	(NA)	(X)
Certified organic acres operated	113	7,163	(X)
Cropland	108	6,597	(X)
Pastureland/rangeland	13	566	(X)
Land owned	87	6,390	(X)
Land rented from others	36	773	(X)
Land rented to others	-	-	(X)
Total value of certified organic agricultural products sold	113	(NA)	13,408
Crops, including nursery and greenhouse	108	(NA)	11,718
All vegetables	45	255	6,153
All citrus fruits	24	(D)	(D)
All berries and other fruits	55	411	3,895
All tree nuts	4	(D)	(D)
All field crops	12	420	994
Propagative materials	2	(D)	(D)
Crops under glass or other protection 1/			
Mushrooms	2	(D)	(D)
Tomatoes	5	18,000	39
Other vegetables and fresh herbs	7	22,000	89
Christmas trees harvested	2	(D)	(D)
Livestock and poultry	3	(NA)	(D)
Livestock and poultry products	3	(NA)	(D)

X Not applicable.

NA Not available.

D Withheld to avoid disclosing data for individual farms.

1/ Area reported in square feet rather than acres.

Source: USDA National Agricultural Statistics Service, *Certified Organic Survey 2016 Summary* (September 2017) <https://www.nass.usda.gov/Publications/Todays_Reports/reports/census17.pdf> accessed June 28, 2018.

Table 19.25-- GENERAL EXCISE TAX BASE FOR PRODUCING: 1998 TO 2018

[In 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]

Year 1/	Amount	Year 1/	Amount
1998	478,200,600	2009	351,578,020
1999	501,500,800	2010	339,034,600
2000	519,272,000	2011	399,078,200
2001	499,896,000	2012	401,495,600
2002	522,418,200	2013	392,735,360
2003	543,561,000	2014	336,674,800
2004	550,948,600	2015	337,701,600
2005	613,694,000	2016	283,553,400
2006	480,012,000	2017	346,652,600
2007	475,827,000	2018	317,715,400
2008	448,975,400		

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.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release) <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed May 10, 2019.

Table
Number **Table Name**

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

Narrative

<u>20.01</u>	Forest and Natural Area Acreage, by Island: June 30, 2018
<u>20.02</u>	Woodland on Farms, 2007, 2012 and 2017, and by County, 2017
<u>20.03</u>	Forest and Brushland Fires, by Cause of Fire: 2015 to 2018
<u>20.04</u>	Commercial Fishing: 2003 to 2018
<u>20.05</u>	Commercial Fish Catch, by Species: 2016 to 2018
<u>20.06</u>	Commercial Sea Landings, by Island: 2016 to 2018
<u>20.07</u>	Commercial Sea Landings, by Fishing Method: 2016 to 2018
<u>20.08</u>	Mineral Industries (NAICS 21): 1987 to 2012
<u>20.09</u>	Nonfuel Mineral Production: 2013 to 2015
<u>20.10</u>	Crushed Stone Sold or Used: 2011 to 2013

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 20.01-- FOREST AND NATURAL AREA ACREAGE, BY ISLAND:
JUNE 30, 2018**

Island	Conservation district forest land		Natural areas	
	Forest reserve land 1/	Private forest land 2/	Number of areas	Acres
State total	658,110	249,516	21	123,810
Hawaii	453,242	91,784	8	94,954
Maui	67,761	90,681	5	18,543
Kahoolawe	-	-	-	-
Lanai	-	6,950	-	-
Molokai	11,690	-	2	2,950
Oahu	39,243	20,213	4	2,148
Kauai	86,174	39,888	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. In 2018, alien forest classification not included thus might not be comparable to previous years.

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife and records.

Table 20.02-- WOODLAND ON FARMS, 2007, 2012 AND 2017, AND BY COUNTY, 2017

[Acres]

Use	2007	2012	2017				
			State total	Hawaii	Honolulu	Kauai	Maui
Total	79,041	92,734	88,813	55,880	6,750	8,306	17,877
Pastured	22,570	23,766	18,797	12,290	2,257	404	3,846
Not pastured	56,471	68,968	70,016	43,590	4,493	7,902	14,031

Source: U.S. Department of Agriculture, *2007 Census of Agriculture, Hawaii*, (February 2009), p. 240. *2012 Census of Agriculture, Hawaii*, (February 2014) p. 217. *2017 Census of Agriculture, Hawaii*, (April 2019) p. 229.

**Table 20.03-- FOREST AND BRUSHLAND FIRES, BY CAUSE OF FIRE:
2015 TO 2018**

Cause of fire	Number of fires				Acres burned			
	2015 1/	2016	2017 2/	2018	2015 1/	2016	2017 2/	2018
State total	306	16	524	13	5,594	18,124	7,697	30,593
Lightning	-	1	2	2	-	1,787	2	817
Campfire	-	-	1	-	-	-	1	-
Smoking	-	-	-	-	-	-	-	-
Debris burning	1	1	2	-	20	75	2,950	-
Arson	-	2	1	-	-	5,801	11	-
Equipment	-	2	2	1	-	4,701	560	3,760
Railroads	-	-	-	-	-	-	-	-
Children	1	-	-	-	-	-	-	-
Miscellaneous	304	10	516	10	5,574	5,760	4,173	26,016

1/ In 2015, Honolulu Fire Department data was included with the State reporting data.

2/ In 2017, data from the counties 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 2018

[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/)
2016	3,805	37,356,054	(1/)	(1/)
2017	3,714	36,152,719	(1/)	(1/)
2018	3,561	37,430,130	(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: 2016 TO 2018

[Fiscal year ending June 30, pounds landed, excludes pond catches]

Species	2016	2017	2018
Total catch	37,356,054	36,152,719	37,430,130
Tunas	24,596,840	23,701,646	25,632,123
Aku (skipjack)	552,955	725,108	554,869
Tombo	656,335	311,781	169,961
Bigeye (ahi)	19,123,205	16,866,477	16,406,735
Yellowfin (ahi)	4,242,043	5,786,360	8,488,051
Billfishes	4,970,409	5,907,222	5,340,160
Blue marlin	1,349,369	1,662,184	1,879,920
Shortnose spearfish	727,588	731,200	582,026
Striped marlin	1,293,065	835,502	1,039,911
Swordfish	1,549,415	2,634,648	1,791,548
Miscellaneous pelagic species	6,163,522	5,171,189	5,196,681
Mahimahi	1,342,183	1,002,334	1,032,345
Monchong	1,190,483	918,855	882,465
Ono	1,185,412	905,596	1,109,510
Opah	1,951,558	1,978,256	1,860,202
Walu	476,807	360,052	304,843
Deep bottom fishes	431,234	412,615	393,503
Ehu	31,519	25,708	21,750
Hapuupuu	10,268	8,300	9,518
Opakapaka	137,862	135,116	118,897
Uku	110,817	118,544	102,910
Ulaula (onaga)	62,217	47,132	66,215
Akule/opelu	646,358	477,071	403,577
Akule	419,958	331,287	268,902
Opelu	218,034	118,622	134,653
Jacks	33,359	38,486	43,315
Inshore fishes	299,468	234,964	253,016
Sharks	107,501	137,253	103,125
Mako	98,667	122,444	91,972
Lobsters	5,914	3,885	5,903
Crabs	20,596	20,486	15,570
Shells	(NA)	(NA)	(NA)
Shrimps	27,041	(1/)	3,525
Seaweeds	3,528	5,244	5,011
Unclassified / miscellaneous	50,284	2/ 42,658	34,622

NA Not available.

1/ Withheld due to low level of fishermen reporting and to preserve confidentiality.

2/ Revised from previous *Data Book*.Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii--Fiscal Years 2016-2018* and records.

Table 20.06-- COMMERCIAL SEA LANDINGS, BY ISLAND: 2016 TO 2018

[Fiscal year ending June 30, pounds landed]

Island	2016	2017	2018
State total	37,356,054	36,152,719	37,430,130
Hawaii	2,533,304	1,930,624	2,379,532
Maui	765,185	648,428	639,788
Lanai	8,614	8,719	10,600
Molokai	30,353	21,389	21,343
Oahu	33,246,769	32,956,903	33,678,905
Kauai and Niihau	771,829	586,656	699,962

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources records.

**Table 20.07-- COMMERCIAL SEA LANDINGS, BY FISHING METHOD:
2016 TO 2018**

[Fiscal year ending June 30, pounds landed]

Fishing method	2016	2017	2018
All methods	37,356,054	36,152,719	37,430,130
Aku pole and line	(1/)	(1/)	(1/)
Longline	31,642,861	31,398,569	32,440,377
Handline	2,022,837	1,685,893	1,896,525
Trolling	2,687,445	2,331,685	2,445,736
Net	606,129	480,575	358,816
Trap	65,047	42,006	38,118
All other methods	331,735	213,992	250,558

1/ Due to low level of fishermen reporting and to preserve confidentiality, data for these methods 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 2016-2018* 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.

NA Not available.

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> accessed April 6, 2016.

Table 20.09-- NONFUEL MINERAL PRODUCTION: 2013 TO 2015

[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]

Minerals	2013 1/	2014 1/	2015
Quantity (1,000 metric tons)			
Gemstones	(NA)	(NA)	(NA)
Sand and gravel (construction)	662	492	459
Stone (crushed)	5,420	4,500	4,460
Value (\$1,000)			
Total	103,000	96,200	98,400
Gemstones	139	136	103
Sand and gravel (construction)	10,100	7,830	10,300
Stone (crushed)	92,300	88,200	88,000

NA Not available.

1/ Revised from previous *Data Book*.

Source: U.S. Geological Survey, *2015 Minerals Yearbook, Statistical Summary [Advance Release]* (March 2019) <<https://prd-wret.s3-us-west-2.amazonaws.com/assets/palladium/production/atoms/files/myb1-2015-stati.pdf>> accessed May 22, 2019.

Table 20.10--CRUSHED STONE SOLD OR USED: 2011 TO 2013

[Due to rounding, components may not add to totals shown]

Type	2011	2012	2013
Number of quarries	(X)	(X)	(X)
Limestone 1/	2	-	-
Traprock	16	16	15
Volcanic cinder and scoria	3	3	2
Miscellaneous stone	6	5	4
Quantity (1,000 metric tons)	4,490	4,990	5,180
Limestone 1/	23	-	-
Traprock	3,860	4,440	4,800
Volcanic cinder and scoria	365	212	28
Miscellaneous stone	240	338	350
Value (\$1,000)	86,000	93,100	89,600
Limestone 1/	442	-	-
Traprock	77,700	85,100	83,800
Volcanic cinder and scoria	2,990	1,410	522
Miscellaneous stone	4,880	6,600	5,310
Unit value (dollars) 2/	19.18	18.66	17.29
Limestone 1/	19.33	-	-
Traprock	20.14	19.17	17.44
Volcanic cinder and scoria	8.19	6.67	18.64
Miscellaneous stone	20.35	19.51	15.17

X Not applicable.

1/ Includes limestone-dolomite reported with no distinction between the two kinds of stone.

2/ Average.

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 and *2012-2013 Minerals Yearbook, Hawaii* [Advance Release] (July 2016) <https://minerals.usgs.gov/minerals/pubs/state/2012_13/myb2-2012_13-hi.pdf> accessed April 27, 2017.

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

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

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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 21.01-- NUMBER AND VALUE OF BUILDING PERMITS, BY COUNTY: 2006 TO 2018

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
2016	21,783	16,983	3,393	229	1,178
2017	19,286	14,759	2,943	236	1,348
2018	18,813	13,835	3,514	232	1,232
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
2016	3,240,649	2,141,467	576,015	138,481	384,686
2017	3,127,828	2,007,815	497,218	145,266	477,528
2018	3,268,292	1,985,648	578,662	144,149	559,832

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 data.

**Table 21.02-- VALUE OF BUILDING PERMITS, BY TYPE, BY COUNTY:
2015 TO 2018**

[In thousands of dollars]

Category	State total 1/	City and County of Honolulu	Hawaii County	Kauai County 1/	Maui County
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
2016					
Total	3,240,649	2,141,467	576,015	138,481	384,686
Residential	1,447,978	745,437	371,084	138,481	192,976
Hotel	6,000	6,000	-	(NA)	-
Non-residential	204,952	62,303	43,070	(NA)	99,579
Additions and alterations	1,581,719	1,327,727	161,861	(NA)	92,131
2017					
Total	3,127,828	2,007,815	497,218	145,266	477,528
Residential	1,504,674	869,555	279,915	145,266	209,937
Hotel	15,700	15,700	-	(NA)	-
Non-residential	380,150	211,720	48,693	(NA)	119,738
Additions and alterations	1,227,303	910,840	168,610	(NA)	147,853
2018					
Total	3,268,292	1,985,648	578,662	144,149	559,832
Residential	1,395,836	679,700	331,599	144,149	240,388
Hotel	69,718	-	2,200	(NA)	67,518
Non-residential	332,443	129,844	64,926	(NA)	137,673
Additions and alterations	1,470,295	1,176,104	179,937	(NA)	114,253

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 data.

**Table 21.03-- ACCEPTED VALUE PER HOUSING UNIT, BY COUNTY:
2017 AND 2018**

[Excludes building permits for additions, alterations and repair. "Accepted value" is the cost of construction for which building permits are issued]

Type of structure	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
2017					
One-family	366,006	391,009	347,989	482,188	305,542
Two-family	321,859	346,510	298,168	382,311	231,893
Multi-family	308,760	337,737	462,400	447,191	152,974
2018					
One-family	364,466	386,648	317,138	540,097	361,321
Two-family	352,754	381,061	208,512	372,119	247,936
Multi-family 1/	202,934	196,354	65,833	208,374	225,589

1/ Hawaii County estimate based on one permit issued for a 6-unit apartment.

Source: County building departments and U.S. Census Bureau, building permits data.

**Table 21.04-- GENERAL EXCISE TAX BASE FOR CONTRACTING,
BY TAXATION DISTRICT: 1997 TO 2018**

[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]

Year	State total	Oahu	Maui	Hawaii	Kauai
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
2016	8,288,207,150	6,571,972,725	801,753,300	665,740,700	248,740,425
2017	8,384,358,050	6,708,683,775	796,437,725	624,410,250	254,826,300
2018	9,455,622,425	(1/)	(1/)	(1/)	(1/)

1/ The Hawaii State Department of Taxation ceased publication of the district (county) detail reports as they were based on the address of the taxpayer and may not have accurately represented where the tax liabilities were actually incurred. In January 2018, DoTx initiated an additional report, "General Excise and Use Tax Liability by District" which will be compiled in a forthcoming *Data Book* table.

Source: Hawaii State Department of Taxation, General Excise and Use Tax Collections (annual calendar year summary) <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed June 24, 2019.

Table 21.05-- GENERAL CONSTRUCTION STATISTICS (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
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

Continued on next page.

Table 21.05-- GENERAL CONSTRUCTION STATISTICS (NAICS 23): 2012 -- Con.

Measure	Amount
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, 1992, and 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]

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)	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	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	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 <<https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed April 27, 2015.

**Table 21.07-- PRIVATE RESIDENTIAL UNITS CONSTRUCTION AND DEMOLITION
AUTHORIZED BY PERMITS, BY COUNTY: 2012 TO 2018**

Category and year authorized	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui
New single family units						
2012	(NA)	950	(NA)	456	(NA)	251
2013	(NA)	1,070	(NA)	735	(NA)	329
2014	(NA)	809	(NA)	(NA)	178	331
2015 1/	2,241	892	1,349	812	201	336
2016 1/	1,990	716	1,274	736	273	265
2017 1/	2,496	864	1,632	764	384	484
2018	2,457	847	1,610	1,038	198	374
New duplex units						
2012	(NA)	85	(NA)	4	(NA)	6
2013	(NA)	104	(NA)	2	(NA)	4
2014	(NA)	110	(NA)	(NA)	10	14
2015 1/ 2/	176	124	52	32	-	20
2016 1/	298	236	62	20	2	40
2017 1/ 2/	373	285	88	7	34	47
2018	385	334	51	7	16	28
New apartment units						
2012	(NA)	1,037	(NA)	59	(NA)	249
2013	(NA)	1,505	(NA)	-	(NA)	16
2014	(NA)	900	(NA)	(NA)	325	-
2015 2/	2,865	2,707	158	-	-	158
2016	1,816	1,728	88	85	-	3
2017	2,155	1,589	566	25	137	404
2018	2,002	1,408	594	6	150	438
Units demolished						
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
2016 1/	421	385	36	33	3	-
2017 1/	406	329	77	40	11	26
2018	(NA)	239	(NA)	754	(NA)	32

NA Not available.

1/ 'Maui County' and 'Other counties' and 'Total' revised from previous *Data Book*.

2/ 'Hawaii County' and 'Other counties' and 'Total' 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.honoluluodpp.org/ReportsNotices/CalendarYearBulletins.aspx>> and records; County of Hawaii, Department of Public Works, Building Division "Yearly Building Permits – Hawaii County" (annual databases) <<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: 2015 TO 2018

[In millions of dollars. Contractors with the highest Hawaii revenues based on 2018 survey responses. List represents only those companies that responded to requests for information]

Rank	Contractor	2015 1/	2016 2/	2017	2018
1	Hawaiian Dredging Construction Co. Inc.	662.0	695.0	589.0	550.0
2	Nan Inc.	197.5	302.5	302.9	327.5
3	Nordic PCL Construction Inc.	433.0	436.9	206.7	301.0
4	Hensel Phelps Construction Co.	190.1	340.0	214.0	285.0
5	Swinerton Builders	195.0	240.0	120.0	224.0
6	Dorvin D. Leis Co. Inc.	137.0	144.0	150.9	185.2
7	Albert C. Kobayashi Inc.	367.0	414.0	355.4	180.5
8	Kiewit Infrastructure West Co.	(3/)	(3/)	162.0	165.0
9	Layton Construction Co. LLC	167.1	221.8	254.0	158.2
10	Unlimited Construction Services Inc.	(3/)	88.7	117.0	152.4
11	Wasa Electrical Services Inc.	65.0	92.9	100.8	87.3
12	Isemoto Contracting Co. Ltd.	83.1	83.4	74.7	84.5
13	Royal Contracting Co. Ltd.	50.7	61.8	102.2	83.2
14	Allied Builders System	75.4	92.4	60.5	68.2
15	Alakai Mechanical Corp.	(3/)	88.6	81.1	58.7
16	Coastal Construction Co. Inc.	81.9	61.9	57.5	57.2
17	Group Builders Inc.	50.1	92.8	82.1	56.2
18	Ralph S. Inouye Co. Ltd	37.0	66.4	66.9	52.8
19	Arita Poulson General Contracting LLC	37.0	25.0	60.9	52.1
20	Shioi Construction Inc.	60.0	68.7	66.0	52.0
21	Honolulu Builders LLC	26.0	31.8	24.8	47.2
22	Maryl Group Construction, Inc.	(3/)	(3/)	44.4	35.0
23	Healy Tibbitts Builders Inc.	(3/)	27.1	40.9	33.6
24	Alan Shintani, Inc.	(3/)	(3/)	24.6	28.9
25	S&M Sakamoto Inc.	27.4	27.5	28.8	27.5
(4/)	Watts Constructors LLC	87.0	92.6	129.6	(4/)
(4/)	F&H Construction	33.9	50.3	54.9	(4/)
(4/)	Paradigm Construction LLC	25.0	25.1	24.7	18.1

1/ Figures furnished in 2016 by the 2015 Top 25 listees.

2/ Figures furnished in 2017 by the 2016 Top 25 listees.

3/ Not ranked.

4/ For the 'Not ranked' in 2018, data from the 2017 Top 25 listees or 2018 'Noteworthy contenders'.

Source: *Building Industry*, "Hawaii's Top 25 Contractors" (July 2017) pp. 33 and 49 and "Hawaii's Top 25 Contractors 2018" (July 2018) pp. 33 and 53 <<http://www.tradepublishing.com/building-industry-hawaii/>> accessed July 13, 2018; and "Hawaii's Top Contractors 2019" (July 2019) pp. 31 and 45 <<https://www.tradepublishing.com/wp-content/uploads/2019/07/BI0719.pdf>> accessed July 3, 2019.

Table 21.09-- HONOLULU CONSTRUCTION COST INDEXES: 1990 TO 2018

[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)
2016	278.6	(NA)	(NA)	254.4	(NA)	(NA)
2017	281.0	(NA)	(NA)	255.8	(NA)	(NA)
2018	282.0	(NA)	(NA)	257.1	(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 17, 2019 and records.

**Table 21.10-- CONDOMINIUM ASSOCIATIONS REGISTERED WITH THE
STATE OF HAWAII AND APARTMENTS REPRESENTED: 1990 TO 2018**

[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	2005	1,501	138,334
1991	809	74,916	2006	1,546	142,171
1992	968	87,127	2007	1,565	145,124
1993	1,049	91,424	2008	1,601	151,238
1994	1,114	95,827	2009	1,629	153,856
1995	1,171	101,628	2010	1,634	154,625
1996	1,249	107,580	2011	1,670	156,511
1997	1,277	106,052	2012	1,649	156,846
1998 1/	1,339	112,832	2013	1,668	158,294
1999	1,361	114,449	2014	1,591	151,320
2000	1,389	116,750	2015	1,693	160,854
2001	1,419	118,209	2016	1,646	158,865
2002	1,439	133,276	2017	1,709	170,100
2003	1,456	134,444	2018	1,559	154,525
2004	1,469	135,708			

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 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 25, 2019 and other annuals.

Table 21.11-- CONDOMINIUM PROJECTS REGISTERED WITH THE STATE OF HAWAII: 1994 TO 2018

[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]

Year	Projects	Individual units	Year	Projects	Individual units
1994	228	4,229	2007	459	11,157
1995	255	4,654	2008	417	9,128
1996	188	2,150	2009	347	6,504
1997	201	2,765	2010	272	7,210
1998	226	2,025	2011	250	5,347
1999	211	2,363	2012	210	5,827
2000	225	1,693	2013	234	8,464
2001	210	2,918	2014	261	6,715
2002	201	3,094	2015	253	10,652
2003	301	4,705	2016	277	7,322
2004	411	10,106	2017	232	7,971
2005	469	15,695	2018	251	4,673
2006	543	11,243			

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 25, 2019.

Table 21.12-- NEW CONDOMINIUM PROJECTS, BY TYPE: 2013 TO 2018

[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	2013	2014	2015	2016	2017	2018
All types	128	153	160	163	139	141
Total residential 1/	102	121	125	139	116	110
Commercial and other	10	9	9	4	4	4
Agricultural	16	23	26	20	19	27
New residential projects						
by size 1/	102	115	125	139	116	130
2 units or fewer	18	25	34	58	30	33
3 to 15 units	37	47	34	39	39	17
16 to 50 units	14	8	10	13	15	45
More than 50 units	33	35	47	29	32	35

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.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Branch, *2018 Annual Report Real Estate Commission*
<<http://cca.hawaii.gov/reb/reports/>> accessed January 26, 2019.

**Table 21.13-- HOUSING UNITS CONVERTED TO CONDOMINIUM UNITS:
1994 TO 2018**

[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]

Year	Projects	Individual units	Year	Projects	Individual units
1994	73	491	2007	157	903
1995	89	1,060	2008	132	664
1996	74	386	2009	112	1,592
1997	66	981	2010	89	618
1998	54	665	2011	79	575
1999	73	368	2012	64	219
2000	55	342	2013	75	553
2001	44	454	2014	75	633
2002	58	591	2015	71	596
2003	92	740	2016	76	365
2004	116	1,422	2017	62	332
2005	135	2,347	2018	91	481
2006	164	1,177			

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 26, 2019.

**Table 21.14-- TIMESHARE PROPERTIES AND UNITS, BY ISLAND:
2016 TO 2018**

Subject	State total	Oahu	Hawaii	Kauai	Maui	Molokai	Lanai
2016							
Properties 1/	76	17	17	19	22	1	-
Registered units 2/	10,673	3,262	1,848	2,396	3,160	7	-
Operated units 3/	10,716	3,193	1,728	2,628	3,160	7	-
2017							
Properties 1/	73	16	15	19	22	1	-
Registered units 2/ 4/	10,978	3,325	1,928	2,330	3,388	7	-
Operated units 3/ 4/	11,108	3,343	1,808	2,562	3,388	7	-
2018							
Properties 1/	77	19	17	17	23	1	-
Registered units 2/	11,327	3,659	1,928	2,322	3,411	7	-
Operated units 3/	11,923	3,731	1,823	2,714	3,648	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/ 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.

4/ 'State Total', 'Oahu', 'Hawaii', and 'Maui' revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Visitor Plant Inventory* (annual)

<<https://www.hawaiitourismauthority.org/research/>> accessed January 12, 2018 and January 28, 2019.

Table 21.15-- HOME EXEMPTIONS CLAIMED: 2013 TO 2019

[Fiscal year ending June 30]

Tenure and county	2013	2014	2015	2016	2017	2018	2019
Total Owner-occupied 1/							
State total 2/	217,935	217,768	217,108	217,439	218,805	220,618	223,713
Honolulu 2/	141,258	140,865	140,582	140,950	142,015	143,280	145,446
Maui	25,842	25,681	25,431	25,364	25,310	25,053	24,726
Hawaii	38,528	38,856	38,720	38,599	38,749	39,432	40,588
Kauai	12,307	12,366	12,375	12,526	12,731	12,853	12,953
Fee simple							
State total 2/	212,396	212,433	212,010	212,486	214,002	215,939	219,188
Honolulu 2/	136,866	136,641	136,524	137,025	138,232	139,607	141,829
Maui	25,081	24,953	24,755	24,724	24,673	24,432	24,122
Hawaii	38,350	38,692	38,576	38,466	38,632	39,331	40,588
Kauai	12,099	12,147	12,155	12,271	12,465	12,569	12,649
Leasehold							
State total	5,539	5,335	5,098	4,953	4,803	4,679	4,525
Honolulu	4,392	4,224	4,058	3,925	3,783	3,673	3,617
Maui	761	728	676	640	637	621	604
Hawaii	178	164	144	133	117	101	-
Kauai	208	219	220	255	266	284	304

1/ "Owner-occupied" is the sum of the "fee simple" and "leasehold" home exemptions categories.

2/ 2018 revised from previous *Data Book*.

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/rpa-report/>> accessed January 26, 2019 and records.

Table 21.16-- SELECTED HOUSING CHARACTERISTICS, BY COUNTY: 2010

Subject	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
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: 2013-2017

[Based on a sample and subject to sampling variability. Average of the 5-year period 2013 to 2017]

Characteristic	State total	City and County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All housing units	535,543	346,374	86,348	95	30,633	72,093
Occupied	455,502	311,451	67,054	53	22,563	54,381
Vacant	80,041	34,923	19,294	42	8,070	17,712
Homeowner vacancy rate (percent)	1.2	0.8	2.5	(X)	2.1	1.1
Renter vacancy rate (percent)	9.4	5.3	10.3	(X)	18.7	25.7
Units in structure						
1 unit, detached	286,873	156,681	67,707	85	21,416	40,984
1 unit, attached	46,243	38,235	2,568	2	1,289	4,149
2 units	11,539	6,040	1,723	-	1,299	2,477
3 or more units	189,587	144,895	14,011	8	6,576	24,097
Mobile home, boat, RV, van, etc	1,301	523	339	-	53	386
Tenure	455,502	311,451	67,054	53	22,563	54,381
Owner-occupied	264,622	173,242	44,942	2	14,213	32,223
Renter-occupied	190,880	138,209	22,112	51	8,350	22,158
Average household size of unit						
Owner-occupied	3.15	3.24	2.84	(NA)	3.15	3.11
Renter-occupied	2.85	2.84	2.95	1.41	3.05	2.76
Percent						
Structure built 2010 or later	3.1	3.5	2.6	0.0	2.0	2.3
Structure built 2000 to 2009	13.6	10.6	21.7	1.1	14.3	17.6
Structure built 1990 to 1999	14.3	11.9	20.0	5.3	19.7	17.0
Structure built 1940 to 1989	65.6	70.6	52.0	51.6	61.2	59.5
Structure built before 1940	3.4	3.3	3.6	42.1	2.9	3.7
Lacking complete plumbing	0.6	0.4	1.5	0.0	0.5	0.7
Lacking complete kitchen facilities	1.6	1.5	2.3	0.0	1.1	1.9
With no telephone service	2.3	2.2	2.0	17.0	3.7	2.9
Median number of rooms	4.6	4.6	4.4	3.4	4.7	4.2
Percent householder moved						
Into unit 2010 or later	41.2	42.7	37.7	49.0	33.4	40.4
Into unit 2000 to 2009	25.7	24.1	30.0	20.8	27.7	28.9
Into unit 1990 to 1999	13.1	12.4	15.2	22.6	16.9	13.2
Into unit before 1990	19.9	20.8	17.2	7.5	22.0	17.5
Percent of units with occupants per room of 1.51 or more	3.4	3.5	2.7	0.0	2.4	4.1

Continued on next page.

**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS, BY COUNTY:
2013-2017 -- Con.**

Characteristic	State total	City and County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
Median value (dollars) for owner-occupied units	563,900	626,400	316,000	(X)	520,000	569,100
Selected monthly owner costs						
Housing units with a mortgage	175,097	118,533	26,447	-	8,555	21,562
Median (dollars)	2,303	2,466	1,605	(X)	2,166	2,375
Housing units without a mortgage	89,525	54,709	18,495	2	5,658	10,661
Median (dollars)	507	574	320	(X)	479	463
Selected monthly owner costs as a percentage of household income (SMOCAPI) 1/						
Housing units with a mortgage (excluding units where SMOCAPI cannot be computed)	174,027	117,922	26,155	-	8,510	21,440
Monthly costs were 35 percent or more of household income	53,792	34,495	8,254	-	3,180	7,863
Housing units without a mortgage (excluding units where SMOCAPI cannot be computed)	88,048	54,034	18,003	2	5,532	10,477
Monthly costs were 35 percent or more of household income	8,517	5,317	1,657	-	61	932
Gross rent						
Occupied units paying rent	178,480	131,346	19,146	28	7,510	20,450
Median(dollars)	1,507	1,653	1,131	867	1,308	1,336
Gross rent as a percentage of household income (GRAPI)						
Occupied units paying rent (excluding units where GRAPI cannot be computed)	175,350	129,246	18,546	28	7,384	20,146
Monthly costs were 35 percent or more of household income	81,883	62,915	8,533	4	966	7,734

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, 2013-2017 American Community Survey 5-Year Estimates, "DP04 Selected Housing Characteristics" <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 26, 2019.

Table 21.18-- TENURE BY AGE OF HOUSEHOLDER: 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
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, 2011 AND 2016, AND COUNTY, 2016**

Subject	State		County, 2016			
	2011	2016	Honolulu	Maui	Hawaii	Kauai
Total households	455,311	462,876	317,459	55,059	66,989	23,369
Tenure (%)						
Own	57	57	55	57	66	63
Rent	43	43	45	43	34	37
Unit size (bedrooms) (%)						
Studio or 1 bedroom	15	16	17	16	12	13
2 bedrooms	22	25	26	25	23	17
3 bedrooms	39	36	32	38	46	50
4+ bedrooms	24	23	25	20	18	19
Crowded (%) 1/	12.1	10.5	11.4	9.8	7.4	8.9
Doubled up (%) 2/	13.2	12.0	11.9	14.1	11.1	11.5
Median household income (dollars)	58,700	72,868	73,859	59,799	44,876	58,869
Average monthly mortgage payment (dollars)	1,355	1,987	2,140	2,045	1,357	1,824
Average monthly rent (dollars)	1,421	1,554	1,652	1,444	1,164	1,256
Monthly shelter payment as percent of monthly household income						
No shelter payment	15.7	21.4	21.3	15.0	27.0	20.8
Under 30 percent	35.4	36.8	37.1	35.2	37.2	36.8
30 to 40 percent	10.7	11.3	11.4	12.4	10.3	10.8
Over 40 percent	29.6	24.6	24.4	31.4	19.3	26.3
Not enough information	8.6	5.9	5.9	6.0	6.2	5.2
Household type (%)						
Single member	22.9	23.9	23.5	23.9	26.5	22.9
Married, no children	21.0	21.6	20.2	22.2	26.3	25.3
Parent(s) and children	13.9	13.8	13.8	13.9	13.5	15.3
Unrelated roommates	5.5	5.7	5.5	6.7	5.9	5.7
Other 3/	35.2	34.4	36.5	32.4	27.5	30.3
Undetermined	1.6	0.2	0.1	0.9	0.3	0.5

1/ Based on more than 2 persons per bedroom.

2/ Housing units that are occupied by two or more families or groups of persons who are not related by birth, marriage, or adoption.

3/ Other household types include a mixture of related and unrelated individuals.

Source: SMS Research & Marketing Services, Inc., *Hawai'i Housing Planning Study, 2016* (December 2016) <https://dbedt.hawaii.gov/hhfdc/files/2017/03/State_HHPS2016_Report_031317_final.pdf> accessed June 6, 2017.

Table 21.20-- HOUSING UNITS, BY COUNTY: 2007 TO 2018

Year	State total	Honolulu	Hawaii	Kauai	Maui 1/
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/	519,513	336,899	82,320	29,797	70,497
2010: July 1 3/	520,088	337,111	82,476	29,917	70,584
2011: July 1 3/	523,213	338,800	83,515	30,072	70,826
2012: July 1 3/	525,678	340,339	84,158	30,178	71,003
2013: July 1 3/	528,390	341,879	84,748	30,292	71,471
2014: July 1 3/	531,962	344,311	85,429	30,435	71,787
2015: July 1 3/	534,727	345,698	86,331	30,610	72,088
2016: July 1 3/	539,784	349,283	87,157	30,797	72,547
2017: July 1 3/	542,853	350,751	88,082	30,947	73,073
2018: July 1 3/	546,213	352,527	88,558	31,240	73,888
Share of state total					
April 1, 2010					
estimates base	100.0	64.8	15.8	5.7	13.6
July 1, 2018	100.0	64.5	16.2	5.7	13.5
July 1, 2010 to July 1, 2018					
Percent change	5.0	4.6	7.4	4.4	4.7
Average annual	0.6	0.6	0.9	0.5	0.6

1/ Maui County including Kalawao County.

2/ Housing unit estimates for 2007 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 June 2019 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, 2018" (PEPANNU) (June 20, 2019) <<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed July 12, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.21-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:
2010 AND 2012-2016**

Neighborhood area 1/ (see maps)	2010 2/	2012-2016 3/	Percent change
Oahu total	340,906	342,982	0.6
1 Hawaii Kai	11,462	11,325	-1.2
2 Kuliouou-Kalani Iki	5,765	5,991	3.9
3 Waialae-Kahala	4,261	4,254	-0.2
4 Kaimuki	7,042	6,895	-2.1
5 Diamond Head/Kapahulu/St. Louis Heights	8,285	8,542	3.1
6 Palolo	4,324	4,553	5.3
7 Manoa	7,667	7,552	-1.5
8 McCully/Moiliili	14,382	14,135	-1.7
9 Waikiki	19,196	18,769	-2.2
10 Makiki/Lower Punchbowl/Tantalus	16,708	17,160	2.7
11 Ala Moana/Kakaako	12,583	12,543	-0.3
12 Nuuanu/Punchbowl	6,837	6,915	1.1
13 Downtown	8,208	7,600	-7.4
14 Liliha/Kapalama	7,019	7,092	1.0
15 Kalihi-Palama	11,523	11,373	-1.3
16 Kalihi Valley	4,186	4,635	10.7
17 Moanalua	3,468	3,252	-6.2
18 Aliamanu/Salt Lake/Foster Village	13,208	12,477	-5.5
19 Airport Area	6,492	6,364	-2.0
20 Aiea	10,461	13,525	29.3
21 Pearl City	15,079	12,085	-19.9
22 Waipahu	18,704	19,914	6.5
23 Ewa	18,868	19,659	4.2
24 Waianae Coast 4/	13,333	7,765	(4/)
25 Mililani/Waipio/Melemanu	12,569	11,117	-11.6
26 Wahiawa	12,305	12,862	4.5
27 North Shore	6,677	6,651	-0.4
28 Koolauloa	4,532	4,651	2.6
29 Kahaluu	4,620	4,485	-2.9
30 Kaneohe	11,474	12,828	11.8
31 Kailua	15,768	14,132	-10.4
32 Waimanalo	2,987	2,509	-16.0
33 Mokapu	2,388	2,616	9.5
34 Makakilo/Kapolei/Honokai Hale	11,254	13,832	22.9
35 Mililani Mauka-Launani Valley	7,271	7,306	0.5
36 Nanakuli-Maili 4/	(4/)	5,618	(4/)

Continued on next page.

**Table 21.21-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:
2010 AND 2012-2016 -- 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 Board numbers are displayed next to the Neighborhood Board names.

2/ As of June 30. Estimated housing units based on traffic zones.

3/ Based on the Census Bureau's 2012-2016 American Community Survey 5-year estimates. Data are a sample and are subject to sampling variability. Figures displayed describe the average housing units in Hawaii between the years 2012 and 2016.

4/ Waianae Coast Neighborhood (Board No. 24) was amended on January 28, 2008 to provide for the creation of Nanakuli-Maili Neighborhood (Board No. 36). However, census blocks used to approximate the new boundaries were not available until 2011.

Source: City and County of Honolulu, Neighborhood Plan 2008 (April 2013) <https://www.honolulu.gov/rep/site/nco/nco_docs/2013_RNP_Print.pdf> accessed March 8, 2019; City and County of Honolulu Planning and Permitting Department, Planning Division, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.22-- HOUSING CHARACTERISTICS OF OAHU NEIGHBORHOODS:
2012-2016**

[Based on the Census Bureau's 2012-2016 American Community Survey 5-year estimate.

Data are a sample and are subject to sampling variability. Figures displayed describe the average population characteristics in Hawaii between the years 2012 and 2016.

Homeowner vacancy rates and rental vacancy rates are rounded figures]

Neighborhood area 1/ (see maps)	Total housing units	Occupied		Home- ownership rate (%)	Vacancy rate (%)	
		Owner	Renter		Owner	Rental
Oahu total	342,982	170,220	139,328	55.0	1.0	5.0
1 Hawaii Kai	11,325	8,672	1,845	82.5	1.0	3.0
2 Kuliouou-Kalani Iki	5,991	4,680	652	87.8	0.0	0.0
3 Waialae-Kahala	4,254	2,596	1,197	68.4	0.0	9.0
4 Kaimuki	6,895	4,024	2,159	65.1	0.0	4.0
5 Diamond Head/Kapahulu/ St. Louis Heights	8,542	3,985	3,331	54.5	2.0	5.0
6 Palolo	4,553	2,358	1,718	57.9	1.0	9.0
7 Manoa	7,552	4,107	2,925	58.4	0.0	6.0
8 McCully/Moiliili	14,135	3,527	9,101	27.9	1.0	7.0
9 Waikiki	18,769	4,016	6,841	37.0	4.0	21.0
10 Makiki/Lower Punchbowl/Tantalus	17,160	6,213	9,465	39.6	1.0	5.0
11 Ala Moana/Kakaako	12,543	3,613	6,424	36.0	0.0	7.0
12 Nuuanu/Punchbowl	6,915	3,639	2,603	58.3	1.0	6.0
13 Downtown	7,600	2,078	4,940	29.6	0.0	3.0
14 Liliha/Kapalama	7,092	3,752	2,782	57.4	1.0	2.0
15 Kalihi-Palama	11,373	2,810	8,135	25.7	0.0	3.0
16 Kalihi Valley	4,635	2,461	1,972	55.5	2.0	4.0
17 Moanalua	3,252	1,484	1,600	48.1	2.0	2.0
18 Aliamanu/Salt Lake/ Foster Village	12,477	6,302	5,625	52.8	0.0	2.0
19 Airport	6,364	44	5,857	0.7	0.0	4.0
20 Aiea	13,525	7,936	4,711	62.8	2.0	3.0
21 Pearl City	12,085	8,034	3,717	68.4	0.0	2.0
22 Waipahu	19,914	12,068	7,083	63.0	0.0	5.0
23 Ewa	19,659	12,504	5,967	67.7	1.0	4.0
24 Waianae Coast 2/	7,765	3,366	3,024	52.7	1.0	6.0
25 Mililani/Waipio/Melemanu	11,117	7,658	3,059	71.5	1.0	4.0
26 Wahiawa	12,862	3,403	8,666	28.2	0.0	1.0
27 North Shore	6,651	2,688	2,951	47.7	3.0	0.0
28 Koolauloa	4,651	1,953	1,564	55.5	1.0	6.0
29 Kahaluu	4,485	3,204	1,050	75.3	0.0	2.0
30 Kaneohe	12,828	8,862	3,494	71.7	1.0	2.0

Continued on next page.

**Table 21.22-- HOUSING CHARACTERISTICS OF OAHU NEIGHBORHOODS:
2012-2016 -- Con.**

Neighborhood area 1/ (see maps)	Total housing units	Occupied		Home- ownership rate (%)	Vacancy rate (%)	
		Owner	Renter		Owner	Rental
31 Kailua	14,132	9,740	3,711	72.4	0.0	2.0
32 Waimanalo	2,509	1,644	758	68.4	0.0	2.0
33 Mokapu	2,616	10	2,517	0.4	0.0	0.0
34 Makakilo/Kapolei/ Honokai Hale	13,832	8,186	4,356	65.3	2.0	8.0
35 Mililani Mauka-Launani Valley	7,306	5,360	1,681	76.1	1.0	1.0
36 Nanakuli-Maili 2/	5,618	3,243	1,847	63.7	3.0	4.0

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/ Waianae Coast Neighborhood (Board No. 24) was amended on January 28, 2008 to provide for the creation of Nanakuli-Maili Neighborhood (Board No. 36). However, census blocks used to approximate the new boundaries were not available until 2011.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 21.23-- VACANCY AND HOMEOWNERSHIP RATES, FOR THE STATE, URBAN HONOLULU MSA, THE UNITED STATES, AND INSIDE THE 75 LARGEST MSAs: 2001 TO 2018

Year	Rental vacancy rate		Homeowner vacancy rate		Gross vacancy rate 2/		Year-round vacancy rate 3/		Homeowner-ship rate	
	State	Urban Hono-lulu MSA 1/	State	Urban Hono-lulu MSA 1/	State	Urban Hono-lulu MSA 1/	State	Urban Hono-lulu MSA 1/	State	Urban Hono-lulu MSA 1/
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
2016	10.6	9.4	1.4	1.1	17.1	13.7	15.8	12.5	57.7	57.9
2017	8.7	8.0	1.3	0.9	17.5	13.9	16.2	12.4	55.9	53.8
2018	8.5	6.5	1.7	1.4	17.8	14.0	16.8	12.9	59.5	57.7
Year	U.S	Inside lgst. 75 MSA	U.S	Inside lgst. 75 MSA	U.S	Inside lgst. 75 MSA	U.S	Inside lgst. 75 MSA	U.S	Inside lgst. 75 MSA
2018	6.9	6.7	1.5	1.4	12.3	10.8	9.7	8.9	64.4	62.9

NA Not available.

1/ 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.

2/ 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.

3/ 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.

Source: U.S. Census Bureau, "Housing Vacancies and Homeownership Annual Statistics: 2018" Tables 3, 4, 5, 5a, 6, 7, 8, 15, 16, and 23 <<http://www.census.gov/housing/hvs/>> accessed April 4, 2019.

Table 21.24-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE FOR THE METROPOLITAN HONOLULU OFFICE MARKET, BY SUBMARKET: 2006 TO 2017

Vacancy rate 1/	Downtown 2/	Suburban 3/
2006	7.3	7.9
2007	10.1	7.2
2008	9.6	8.1
2009	10.5	10.2
2010	15.1	12.3
2011	16.1	15.1
2012	15.1	14.8
2013	13.7	13.5
2014	14.5	15.4
2015	15.9	13.5
2016 4/	16.0	12.0
2017 4/	18.7	11.2

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 (Kaimuki 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.

4/ The size of the Metropolitan Honolulu Office Market survey varies from year to year. For 2016, it included 93 multi-class tenants, for 2017 it included 89 multi-class tenants.

Source: CBRE Research, records.

Table 21.25--OFFICE, INDUSTRIAL AND RETAIL COMMERCIAL REAL ESTATE STATISTICS FOR OAHU: 2013 TO 2018

[As of December 31]

Subject	2013	2014	2015	2016	2017	2018
Office						
Vacancy rate (%) 1/	12.24	13.15	12.69	12.70	12.77	12.79
Annual net absorption (sq. ft.) 2/	95,943	-77,711	37,935	42,103	-37,898	-1,863
Average asking base rent (\$) 3/	1.57	1.64	1.67	1.69	1.69	1.76
Average operating expense (\$) 4/	1.33	1.34	1.34	1.36	1.35	1.38
Industrial						
Vacancy rate (%) 1/	2.71	2.12	1.65	1.60	1.97	2.03
Annual net absorption (sq. ft.) 2/	375,959	262,706	173,186	64,582	-157,222	-25,997
Average asking base rent (\$) 3/	0.98	1.10	1.13	1.21	1.30	1.21
Average operating expense (\$) 4/	0.37	0.42	0.35	0.35	0.37	0.40
Retail						
Vacancy rate (%) 1/	4.23	4.09	5.07	8.40	5.85	5.26
Annual net absorption (sq. ft.) 2/	72,045	12,972	461,436	502,178	453,754	358,054
Average asking base rent (\$) 3/	3.35	3.64	3.84	3.92	4.00	4.14
Average operating expense (\$) 4/	1.18	1.29	1.29	1.30	1.32	1.38

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, "Office Market Summary Report" (annual), "Industrial Market Year-End" (annual) and "Retail Market Summary" (annual) <[https://www2.colliers.com/en/Research#sort=%40fdatz32xpublished55910%20descending&f:location=\[Hawaii\]](https://www2.colliers.com/en/Research#sort=%40fdatz32xpublished55910%20descending&f:location=[Hawaii])> accessed January 26, 2019 and records.

**Table 21.26-- STATE GOVERNMENT CAPITAL IMPROVEMENT
PROJECT EXPENDITURES: 1990 TO 2018**

[In thousands of dollars]

Year	Total expenditures	General obligation bond 1/	Revenue bond 2/	General fund (cash)	Special fund	Federal funds 3/
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
2016	1,159,995	641,758	142,448	4,214	180,103	191,473
2017	1,311,263	740,920	196,618	82,061	138,118	153,545
2018	1,636,182	729,365	420,108	22,670	205,416	258,623

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 17, 2019.

**Table 21.27-- HAWAII PUBLIC HOUSING AUTHORITY OPERATIONS:
2008 TO 2018**

[Fiscal year ending June 30 unless otherwise specified]

Year	Total units owned and administered 1/	Total units occupied, May 31 2/	Total number of occupants, May 31 2/	Average rent charged per unit per month (dollars) 2/ 3/ 4/
2008	6,195	5,649	15,778	302
2009	6,195	5,654	14,877	303
2010	6,195	5,679	14,789	286
2011	6,195	5,634	14,702	275
2012	5,737	5,184	13,784	266
2013	5,584	5,376	14,856	259
2014	5,584	5,356	13,827	285
2015	5,584	5,234	13,618	294
2016	5,584	5,232	13,655	299
2017	5,584	5,221	13,731	300
2018	5,584	5,143	13,298	366

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. Federal projects only; Federal subsidies received between July and June (fiscal year).

4/ Average rent as of January of the following year.

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 & brokers	401	388,556	56,776	1,287
5312109	Nonresid. real estate agents & 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]

Geographic area	Establish- ments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
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/)
Mali	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.**

Geographic area	Establish- ments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
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

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**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR
(NAICS 531), BY COUNTY AND PLACE: 2012 -- Con.**

Geographic area	Establish- ments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
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: APRIL 11, 2019

[Real estate licenses are subject to renewal on or before December 31 of each even-numbered year]

Type of license	Active	Inactive	Location 1/	Active	Inactive
Total	14,104	4,067	Total	14,104	4,067
Broker	5,735	638	Oahu	8,649	2,151
Individual	3,389	573	Hawaii	1,904	413
Sole owner	707	34	Maui	2,246	497
Corporation or partnership	778	3	Kauai	917	262
Limited liability corporation/ limited liability partnership	861	28	Molokai	44	4
			Lanai	11	3
Salesman	8,369	3,429	U.S. mainland	330	709
			Foreign	3	14
			Other	-	14

1/ Based on address of licensee.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, "Geographic Report (Current Licenses) FY 2019 Geo Report – as of April 11, 2019" <<http://cca.hawaii.gov/pvl/reports/>> accessed July 12, 2019.

Table 21.31-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1988 TO 2018

[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]

Year	Number listed	Number sold	Percent sold	Mean sales price (dollars)
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
2016	11,762	9,127	77.6	624,449
2017	12,647	9,732	77.0	648,776
2018	13,145	9,288	70.7	689,726

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: 2015 TO 2018

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Median	Mean
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
2016					
Total	11,762	9,127	77.6	525,000	624,449
Single family	4,820	3,678	76.3	735,000	891,332
Condominium/cooperative	6,942	5,449	78.5	390,000	447,512
2017					
Total	12,647	9,732	77.0	545,000	648,776
Single family	5,054	3,908	77.3	755,000	916,506
Condominium/cooperative	7,593	5,824	76.7	405,000	469,381
2018					
Total	13,145	9,288	70.7	560,000	689,726
Single family	5,199	3,609	69.4	790,000	991,420
Condominium/cooperative	7,946	5,679	71.5	420,000	497,974

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: 2015 TO 2018**

Selling price range	2015	2016	2017	2018
All properties	3,500	3,678	3,908	3,609
On leased land	(NA)	(NA)	(NA)	(NA)
Percent	(NA)	(NA)	(NA)	(NA)
Less than \$100,000	3	-	-	-
\$100,000 to \$149,999	4	2	3	6
\$150,000 to \$199,999	7	7	6	4
\$200,000 to \$249,999	30	15	11	5
\$250,000 to \$299,999	30	25	21	11
\$300,000 to \$349,999	53	43	35	31
\$350,000 to \$399,999	84	67	58	53
\$400,000 to \$449,999	126	83	73	66
\$450,000 to \$499,999	166	132	113	86
\$500,000 to \$549,999	271	204	181	135
\$550,000 to \$599,999	316	334	288	164
\$600,000 to \$649,999	324	300	342	280
\$650,000 to \$699,999	330	369	404	372
\$700,000 to \$799,999	503	604	699	648
\$800,000 to \$899,999	349	437	471	474
\$900,000 to \$999,999	203	244	296	313
\$1.0 to \$1.9 million	564	667	745	800
\$2.0 to \$2.9 million	80	96	104	92
\$3.0 to \$3.9 million	30	25	34	27
\$4.0 to \$4.9 million	10	9	11	14
\$5.0 million or more	17	15	13	28
Median value (dollars)	700,000	735,000	755,000	790,000
Mean value (dollars)	874,535	891,332	916,506	991,420

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:
2015 TO 2018**

Selling price range	2015	2016	2017	2018		
				Total	Fee simple	Leasehold
All properties	5,144	5,449	5,824	5,679	5,290	389
Less than \$50,000	10	21	16	15	-	15
\$50,000 to \$74,999	44	52	33	40	7	33
\$75,000 to \$99,999	67	78	71	62	11	51
\$100,000 to \$124,999	106	90	71	66	25	41
\$125,000 to \$149,999	129	98	94	66	37	29
\$150,000 to \$174,999	163	154	114	98	56	42
\$175,000 to \$199,999	183	154	167	146	122	24
\$200,000 to \$224,999	143	172	208	150	117	33
\$225,000 to \$249,999	244	198	214	190	168	22
\$250,000 to \$274,999	294	247	218	195	172	23
\$275,000 to \$299,999	347	281	253	235	218	17
\$300,000 to \$349,999	704	683	665	586	564	22
\$350,000 to \$399,999	578	627	714	727	714	13
\$400,000 to \$449,999	506	551	589	572	561	11
\$450,000 to \$499,999	376	487	540	478	471	7
\$500,000 to \$599,999	513	619	770	858	852	6
\$600,000 to \$699,999	243	376	428	413	413	-
\$700,000 to \$799,999	178	170	180	238	238	-
\$800,000 to \$899,999	107	124	147	145	145	-
\$900,000 to \$999,999	71	67	93	113	113	-
\$1,000,000 or more	138	200	239	286	286	-
Median value (dollars)	360,000	390,000	405,000	420,000	435,000	165,000
Mean value (dollars)	415,391	447,512	469,381	497,974	521,025	187,038

Source: Honolulu Board of Realtors, Multiple Listing Service records.

Table 21.35-- MULTIPLE LISTING SERVICE, NUMBER OF SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY: 2001 TO 2018

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
Single family					
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	5,647	2,964	1,510	358	815
2011	5,748	2,868	1,620	361	899
2012	6,036	3,062	1,611	424	939
2013	6,665	3,346	1,886	447	986
2014	6,689	3,390	1,885	467	947
2015	7,181	3,584	2,018	488	1,091
2016	7,763	3,815	2,303	568	1,077
2017	8,210	4,063	2,494	552	1,101
2018	7,767	3,708	2,329	592	1,138
Condominium					
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	5,736	3,831	521	235	1,149
2011	5,978	3,927	605	289	1,157
2012	6,447	4,284	592	318	1,253
2013	7,203	4,868	645	351	1,339
2014	7,084	4,907	646	327	1,204
2015	7,373	5,147	662	365	1,199
2016	7,978	5,569	725	373	1,311
2017	8,735	5,976	854	451	1,454
2018	8,760	5,794	833	481	1,652

1/ May differ from Honolulu Board of Realtors data used in other *Data Book* tables.

Source: Locations Research, records.

**Table 21.36-- MULTIPLE LISTING SERVICE, MEDIAN SALES PRICE OF
SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY:
2001 TO 2018**

[In dollars]

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
Single family					
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	487,000	599,950	260,000	497,500	460,000
2011	470,000	579,500	246,450	455,000	432,000
2012	500,000	625,000	260,000	458,750	470,000
2013	545,000	650,000	295,000	529,000	530,000
2014	575,000	673,500	315,000	533,000	570,000
2015	600,000	700,000	328,750	613,500	580,000
2016	632,500	735,000	330,000	625,500	639,000
2017	660,000	760,000	350,000	660,000	695,000
2018	689,000	790,000	360,000	699,500	710,000
Condominium					
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	317,500	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	360,000	410,000
2016	390,000	390,000	300,000	399,000	415,000
2017	409,000	410,000	312,000	435,000	445,000
2018	430,000	421,000	350,000	461,000	500,000

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 2018

Year	Number of homes			Average price of homes (dollars)		
	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
2016	19,834	8,239	11,595	655,775	771,985	573,200
2017	20,474	8,340	12,134	697,634	802,613	625,480
2018	20,409	8,632	11,777	719,489	841,532	630,036

Source: Title Guaranty of Hawaii, Inc. based on Hawaii Department of Natural Resources, Bureau of Conveyances data. Calculations by Hawaii Department of Business, Economic Development & Tourism. See also DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter*, Table E-9 <<http://dbedt.hawaii.gov/economic/qser>> accessed May 21, 2019.

Table 21.38-- HOME SALES, BY ORIGIN OF BUYER: 2008 TO 2018

Year	Number of homes			Average price of homes (dollars)		
	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
2016	15,311	3,702	821	589,614	795,652	1,258,892
2017	15,835	3,917	722	629,455	866,514	1,276,758
2018	15,525	3,956	928	650,139	867,190	1,250,040

Source: Title Guaranty of Hawaii, Inc. based on Hawaii Department of Natural Resources, Bureau of Conveyances data. Calculations by Hawaii Department of Business, Economic Development & Tourism. See also DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter*, Table E-10 <<http://dbedt.hawaii.gov/economic/qser>> accessed May 21, 2019.

**Table 21.39-- HOME SALES, BY ORIGIN OF BUYER, BY COUNTY:
2017 AND 2018**

Subject	All buyers	Local buyers	Mainland buyers	Foreign buyers
2017				
Total number of home sales				
Statewide	20,474	15,835	3,917	722
Honolulu County	13,753	11,978	1,214	561
Hawaii County	3,253	1,875	1,312	66
Kauai County	863	532	315	16
Maui County	2,605	1,450	1,076	79
Average home sale price (dollars) 1/				
Statewide	697,634	629,455	866,514	1,276,758
Honolulu County	723,886	685,414	808,613	1,361,971
Hawaii County	560,023	368,212	816,553	909,738
Kauai County	611,043	474,700	848,181	475,781
Maui County	759,567	561,784	998,129	1,140,488
2018				
Total number of home sales				
Statewide	20,409	15,525	3,956	928
Honolulu County	12,993	11,052	1,202	739
Hawaii County	3,412	2,002	1,329	81
Kauai County	1,176	703	461	12
Maui County	2,828	1,768	964	96
Average home sale price (dollars) 1/				
Statewide	719,489	650,139	867,190	1,250,040
Honolulu County	754,537	705,448	898,862	1,253,924
Hawaii County	537,563	394,462	704,015	1,343,418
Kauai County	722,596	576,855	933,613	1,154,042
Maui County	776,665	623,047	1,020,893	1,153,351

1/ Calculated by dividing the total sales amount by the total number of sales.

Source: Title Guaranty of Hawaii, Inc. based on Hawaii Department of Natural Resources, Bureau of Conveyances data. Calculations by Hawaii Department of Business, Economic Development & Tourism. See also DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter*, Table E-9, E-10, and G-29 to G-36 <<http://dbedt.hawaii.gov/economic/qser>> accessed May 21, 2019.

**Table 21.40-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT:
1993 TO 2018**

Year	State total	First Circuit 1/	Second Circuit 2/	Third Circuit 3/	Fifth Circuit 4/
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
2016	1,734	838	302	506	88
2017	1,461	689	228	471	73
2018	1,261	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ City and County of Honolulu.

2/ Maui County includes Kalawao on Molokai.

3/ Hawaii County.

4/ Kauai County.

Source: Hawaii State Judiciary, "Judicial Foreclosure Cases Filed All Circuits, 2010-2018**"

<https://www.courts.state.hi.us/news_and_reports/reports/annual_report_stat_sup_archive>

Table 21.41-- ELEVATORS, ESCALATORS, AND SIMILAR FACILITIES: 2017

[As of December 31]

Facility	State total	Oahu	Hawaii		Maui	Molo- kai	Lanai	Kauai
			Hilo	Kona				
Total	7,120	5,416	200	356	827	2	25	294
Elevators	5,977	4,487	158	339	722	-	24	247
Hydro (Under 9 stories)	2,158	1,334	98	197	367	-	9	153
Roped:	3,819	3,153	60	142	355	-	15	94
Under 9 stories	1,867	1,326	51	142	253	-	15	80
9 to 18 stories	1,124	999	9	-	102	-	-	14
19 to 28 stories	398	398	-	-	-	-	-	-
29 to 38 stories	280	280	-	-	-	-	-	-
39 stories or more	150	150	-	-	-	-	-	-
Escalators & moving walks/ speed ramps	471	440	5	-	24	-	-	2
Inclined lifts	11	10	-	1	-	-	-	-
Private industrial elevators	61	34	-	1	14	-	-	12
Manlifts	16	9	-	3	1	-	-	3
Handicap/chairlifts	408	304	27	8	43	2	1	23
Dumbwaiters	176	132	10	4	23	-	-	7

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 2018

Island	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	430
Oahu 2/	Pacifica Honolulu	1009 Kapiolani Blvd.	2012	48	400
Kauai	Marriott Resort & Beach Club	Lihue	1959	10	107
OTHER STRUCTURES					
Hawaii	AT&T Tower Ninole	Ninole (Homestead Road)	(NA)	(X)	210
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 48 stories.

Source: County building departments.

Table
Number **Table Name**

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

Narrative

<u>22.01</u>	Statistical Summary of Manufactures (NAICS 31-33): 2012 to 2016
<u>22.02</u>	Detailed Manufacturing Statistics (NAICS 31-33): 2012
<u>22.03</u>	Statistical Summary of Manufacturing (NAICS 31-33), by County: 2012
<u>22.04</u>	Manufacturing, by Selected Industry Group (NAICS 31-33): 2016
<u>22.05</u>	Manufacturing, Employment and Wages (NAICS 31-33), by Selected NAICS Code: 2018
<u>22.06</u>	General Excise Tax Base for Manufacturing: 1987 to 2018
<u>22.07</u>	25 Largest Industrial and High-Technology Parks, by Island: 2010 to 2013
<u>22.08</u>	Pineapple Companies and Canneries, and Sugar Companies and Mills: 1955 to 2018; and by Island: 2018
<u>22.09</u>	Sugar and Molasses Production: 1991 to 2016

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 22.01-- STATISTICAL SUMMARY OF MANUFACTURES (NAICS 31-33):
2012 TO 2016**

[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	2012	2013	2014	2015	2016
All employees					
Number (1,000)	11.4	10.9	11.5	11.4	11.5
Payroll	465.0	471.4	533.8	554.9	568.3
Production workers					
Number (1,000)	7.4	6.9	7.4	7.4	7.1
Hours	13.6	13.4	13.8	14.7	13.8
Wages	258.0	268.0	309.1	334.2	311.9
Value added by manufacture	1,101.0	1,138.2	(D)	(D)	2,092.8
Cost of materials 1/	6,740.8	5,282.6	5,029.0	3,894.8	3,543.4
Value of shipments 1/	(D)	6,435.6	6,370.4	5,897.7	5,686.3
Total capital expenditures	108.4	103.7	115.9	116.6	129.6

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, Geographic Area Statistics* (annual)
<<https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed June 25, 2018.

**Table 22.02-- DETAILED MANUFACTURING STATISTICS
(NAICS 31-33): 2012**

[Statistics based on the 2012 North American Industry Classification System (NAICS)]

Item	2012
Companies 1/	764
All establishments 2/	796
0 to 19 employees	670
20 to 99 employees	104
100 employees or more	22
All employees 3/	11,440
Total compensation (\$1,000)	602,703
Annual payroll	465,024
Total fringe benefits	137,679
Employer cost for health insurance (\$1,000)	51,919
Production workers, average for year	7,396
Pay period including March 12	7,374
Pay period including June 12	7,355
Pay period including September 12	7,412
Pay period including December 12	7,443
Production-worker hours (1,000)	13,640
Production-worker wages (\$1,000)	257,974
Total cost of materials (\$1,000)	6,740,826
Materials, parts, containers, packaging, etc., used	5,975,005
Resales	570,928
Purchased fuels	121,202
Purchased electricity	43,758
Contract work	29,933
Quantity of electricity purchased for heat and power (1,000 kWh)	129,712
Quantity of electricity generated (1,000 kWh)	(D)
Quantity of electricity sold or transferred (1,000 kWh)	(D)
Total value of shipments (\$1,000)	(D)
Value of resales	645,048
Value added (\$1,000)	1,101,021

Continued on next page.

**Table 22.02-- DETAILED MANUFACTURING STATISTICS
(NAICS 31-33): 2012 -- Con.**

Item	2012
Total inventories, beginning of year (\$1,000)	781,501
Finished goods	(D)
Work-in-process	(D)
Materials and supplies	188,586
Total inventories, end of year (\$1,000)	1,025,186
Finished goods	390,834
Work-in-process	403,979
Materials and supplies	230,373
Gross value of depreciable assets (acquisition costs) at beginning of year (\$1,000)	2,698,293
Total capital expenditures (new and used)	108,404
Buildings and other structures	12,834
Machinery and equipment	95,570
Automobiles, trucks, etc., for highway use	5,922
Computers and peripheral data processing equipment	5,513
All other expenditures for machinery and equipment	84,135
Total retirements	26,143
Gross value of depreciable assets at end of year (\$1,000)	2,780,554
Depreciation charges during year (\$1,000)	160,578
Total rental payments (\$1,000)	60,822
Buildings and other structures	47,139
Machinery and equipment	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: 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> 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)]

Subject	State total	City and County of Honolulu	Hawaii	Maui	Kauai
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> accessed July 6, 2015.

**Table 22.04-- MANUFACTURING, BY SELECTED INDUSTRY GROUP
(NAICS 31-33): 2016**

[Industry groups with 950 employees or more. Statistics based on the 2012 North American Industry Classification System (NAICS)]

Subject	Total	Food NAICS 311	Food, bakeries & tortilla NAICS 3118	Printing & related support NAICS 323	Printing & related support NAICS 3231	Non- metallic mineral NAICS 327
All employees						
Number	11,513	4,926	2,138	618	618	976
Payroll (\$1,000)	568,275	187,777	78,851	27,241	27,241	64,755
Production workers						
Number	7,149	2,847	1,283	395	395	760
Hours (1,000)	13,826	4,985	1,814	772	772	1,806
Wages (\$1,000)	311,884	83,975	1/ 26,113	15,423	15,423	47,311
Total cost of materials (\$1,000) 2/	3,543,442	700,010	116,318	(D)	(D)	(D)
Total value of shipments (\$1,000) 2/	5,686,253	1,448,745	1/ 418,653	131,609	131,609	353,062
Value added (\$1,000)	2,092,829	731,826	1/ 302,152	83,124	83,124	219,136
Capital expenditures	129,621	38,220	14,759	1,851	1,851	9,009

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

1/ Relative standard error is 40 percent or more and less than 100 percent.

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, AM1631AS101: Geographic Area Statistics, Statistics for All Manufacturing by State* <<https://factfinder.census.gov>> accessed June 25, 2018.

**Table 22.05-- MANUFACTURING, EMPLOYMENT AND WAGES (NAICS 31-33),
BY SELECTED NAICS CODE: 2018**

[Includes only establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Industry	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wages per employee
	Total	1,010	14,172	664,307	46,875
311	Food	352	6,536	224,475	34,342
3112	Grain and oilseed milling	4	35	911	25,778
3113	Sugar & confectionery product	30	588	19,880	33,805
3114	Fruit & vegetable preserving & specialty	26	290	9,303	32,071
3115	Dairy product	13	519	26,253	50,552
3116	Animal slaughtering & processing	22	473	18,037	38,174
3118	Bakeries & tortilla	147	2,611	81,752	31,313
3119	Other food	104	1,970	65,994	33,508
312	Beverage and tobacco product	39	1,107	54,572	49,312
3121	Beverage	39	1,107	54,572	49,312
314	Textile product mills	24	193	8,041	41,736
3141	Textile furnishings mills	6	130	5,846	45,030
3149	Other textile product mills	18	63	2,195	34,929
315	Apparel	51	387	12,049	31,102
316	Leather and allied product	4	68	1,562	23,021
321	Wood product	23	167	6,990	41,961
3212	Plywood & engineered wood product	6	85	3,279	38,772
322	Paper	4	92	4,711	51,296
323	Printing & related support activities	106	726	27,366	37,703
324	Petroleum and coal products	11	507	66,045	130,309
325	Chemical	38	433	21,944	50,718
3251	Basic chemical	15	222	12,979	58,575
3254	Soap, cleaning compound & toiletry	15	128	4,927	38,442
326	Plastics & rubber products	20	308	15,485	50,304
327	Nonmetallic mineral product	49	881	65,723	74,628
3273	Cement & concrete product	24	728	57,427	78,901
3279	Other nonmetallic mineral products	15	96	6,152	64,033
332	Fabricated metal product	41	321	18,218	56,754
3323	Architectural and structural metals	26	219	12,791	58,538
3327	Machine shops & threaded product	7	35	1,341	38,596
3328	Coating, engraving & heat treating metals	5	20	927	47,342

Continued on next page.

**Table 22.05-- MANUFACTURING, EMPLOYMENT AND WAGES (NAICS 31-33),
BY SELECTED NAICS CODE: 2018 -- Con.**

NAICS code	Industry	Average establish- ments	Annual average employ- ment	Total annual wages (\$1,000)	Annual wages per employee
334	Computer & electronic product	14	188	14,812	78,858
3344	Semiconductor and electronic comp.	4	24	1,837	76,811
3345	Electronic instrument	7	109	8,138	74,600
336	Transportation equipment	30	910	66,748	73,343
3366	Ship & boat building	26	906	66,244	73,097
337	Furniture & related product	55	362	17,231	47,620
3371	Household and institutional furniture	44	283	13,056	46,135
339	Miscellaneous	142	872	31,909	36,610
3391	Medical equipment & supplies	29	166	7,112	42,821
3399	Other miscellaneous	113	706	24,797	35,148

Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages, "Private, All Industry Aggregations, Hawaii 2018 Annual Averages"
<https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables> accessed June 24, 2019.

**Table 22.06-- GENERAL EXCISE TAX BASE FOR MANUFACTURING:
1987 TO 2018**

[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]

Year	Tax base	Year	Tax base	Year	Tax base
1987	595,140	1998	535,371	2009	752,237
1988	629,303	1999	585,305	2010	708,787
1989	630,997	2000	586,039	2011	695,442
1990	728,387	2001	611,292	2012	646,969
1991	714,407	2002	612,658	2013	655,222
1992	714,470	2003	638,863	2014	701,988
1993	717,423	2004	642,245	2015	750,372
1994	618,238	2005	738,573	2016	689,126
1995	614,771	2006	781,626	2017	733,105
1996	622,889	2007	766,208	2018	607,793
1997	581,259	2008	795,352		

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual). Beginning in 1997, <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed June 25, 2019.

**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 2018; AND BY ISLAND: 2018

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
2016	2/ 2	-	3/ 1	3/ 1
2017	2/ 2	-	-	-
2018	2/ 2	-	-	-
ISLAND: 2018				
Hawaii	-	-	-	-
Maui	2/ 1	-	-	-
Oahu	2/ 1	-	-	-
Kauai	-	-	-	-

1/ In operation; excludes cooperatives.

2/ Includes Dole Food Company Hawaii & Haliimaile Pineapple Company, might exclude smaller diversified farms.

3/ Hawaiian Commercial & Sugar Company closed its sugar operation at the end of 2016.

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 2016

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
2016 3/	17,500	15,485	1,334,442	157,391	157,391	56,599

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.

3/ Hawaiian Commercial & Sugar Company ended its sugar operation at the end of 2016.

Source: Hawaiian Sugar Planters' Association, *Hawaiian Sugar Manual* (annual), and records; Hawaii Agriculture Research Center, records; and Hawaiian Commercial & Sugar Company, records.

Table
Number **Table Name**

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

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23.07	Retail Trade and Food Services and Drinking Places Sales, by Type of Store: 2012
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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.

Table 23.01-- GENERAL EXCISE TAX BASE FOR TRADE AND SERVICE ACTIVITIES: 1988 TO 2018

[In thousands of dollars. Data are on a cash basis accounting]

Year reported 1/	Retailing	Services 2/	Amusement, etc. 3/	Intermediary services	Wholesaling
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
2016	29,039,437	13,511,064	397,992	735,140	13,484,817
2017	32,727,278	15,097,644	460,606	949,174	15,729,763
2018	36,356,218	16,663,348	506,574	865,518	18,125,575

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) <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed May 9, 2019.

**Table 23.02-- RETAIL ESTABLISHMENTS, BY PAYROLL STATUS:
1972 TO 2012**

[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: Retail Trade: Geographic Area Series: Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2007" (EC0744A1) <<http://factfinder.census.gov>> accessed January 21, 2010; *Nonemployer Statistics, Hawaii*, 2007 Retail Trade Hawaii <http://www.census.gov/epcd/nonemployer/2007/hi/HI000_44.HTM> accessed January 21, 2010; *2012 Economic Census*, "Sector 44-45: Retail Trade: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1244A) <<http://factfinder.census.gov>> 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)]

Subject	State total	Oahu	Other islands
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: Retail Trade: Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1244A1) <<http://factfinder.census.gov>> 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)]

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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
Mali	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

Continued on next page.

**Table 23.04-- RETAIL ESTABLISHMENTS (NAICS 44-45), BY COUNTY AND
SELECTED PLACE: 2012 -- Con.**

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Honolulu County - Con.				
Royal Kunia	8	101,689	11,686	458
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
Waikale	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

Continued on next page.

**Table 23.04-- RETAIL ESTABLISHMENTS (NAICS 44-45), BY COUNTY AND
SELECTED PLACE: 2012 -- Con.**

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Maui County - Con.				
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/)
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: Retail Trade: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1244A1) <<http://factfinder.census.gov>> 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)]

NAICS code	Kind of business	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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: Retail Trade: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1244A1) <<http://factfinder.census.gov>> accessed May 21, 2015.

**Table 23.06-- PRIVATE INDUSTRY RETAIL EMPLOYMENT AND WAGES,
ANNUAL AVERAGES (NAICS 44-45): 2017**

[Statistics based on the North American Industry Classification System (NAICS)]

NAICS code	Retail trade	Average establish- ments	Average employ- ment	Total wages (\$1,000)	Wages per employee (\$)
	Total	4,550	71,192	2,289,314	32,157
441	Motor vehicle and parts dealers	336	6,958	379,065	54,477
442	Furniture and home furnishings stores	161	1,555	58,698	37,744
443	Electronics and appliance stores	109	1,240	56,244	45,346
444	Building material and garden supply stores	178	4,207	141,006	33,520
445	Food and beverage stores	708	15,237	450,296	29,552
446	Health and personal care stores	475	5,566	193,836	34,822
447	Gasoline stations	228	2,237	61,947	27,696
448	Clothing and clothing accessories stores	1,169	11,451	294,649	25,732
451	Sports, hobby, music instrument, book stores	245	2,610	60,028	23,001
452	General merchandise stores	127	14,269	419,858	29,424
453	Miscellaneous store retailers	648	5,336	152,452	28,571
454	Nonstore retailers	166	526	21,235	40,383

Source: U.S. Bureau of Labor Statistics, *2017 Employment and Wages Annual Averages* (September 5, 2018)
<https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables> accessed March 27, 2019.

**Table 23.07-- RETAIL TRADE AND FOOD SERVICES AND DRINKING PLACES
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>> accessed June 21, 2016.

**Table 23.08-- CHARACTERISTICS OF SHOPPING CENTERS FOR HAWAII
AND THE UNITED STATES: 2017 AND 2018**

Subject	Hawaii		United States	Hawaii as percent of U.S.
	2017 1/	2018	2018	2018
Number of shopping centers 2/	273	274	116,016	0.2
Gross leasable area (millions of square feet) 2/	28.4	28.4	7,626.1	0.4
Shopping center space per capita (square feet)	20.0	20.0	23.3	(X)
Number of shopping center jobs	67,420	67,943	17,826,019	0.4
Jobs per center	247.0	248.0	153.7	(X)
Jobs per 1,000 square feet	2.4	2.4	2.3	(X)
Share of total employment (percent)	7.3	7.3	9.0	(X)
Shopping center retail sales (billions of dollars)	8.7	9.0	2,374	0.4
Per capita shopping center sales (dollars)	6,139	6,369	73,003	(X)
Retail sales per square feet (dollars)	307.2	318.2	311.3	(X)
Shopping center state sales tax rev. (billions of dollars)	0.3	0.4	136.2	0.3
Shopping center prop. tax revenue (millions of dollars)	119.2	124.0	29,970.6	0.4

X Not applicable.

NA Not available.

1/ Revised from previous *Data Book*.

2/ Copyright, CoStar Realty Information, Inc., <www.costar.com>.

Source: International Council of Shopping Centers, "Hawaii Impact Study," (annual)

<<http://quickstats.icsc.org/>> accessed June 4, 2019, and calculations by Hawaii State Department of Business, Economic Development and Tourism.

Table 23.09-- SHOPPING CENTERS AND GROSS LEASABLE AREA BY CENTER TYPE: 2017 AND 2018

Shopping center type	2017 1/		2018	
	Number	Gross leasable area (sq ft)	Number	Gross leasable area (sq ft)
Total	273	28,414,663	274	28,433,948
Convenience center	94	1,430,875	95	1,450,160
Neighborhood center 2/	119	7,944,361	119	7,944,361
Community center 3/	35	7,000,663	35	7,000,663
Power center 4/	7	2,437,398	7	2,437,398
Regional mall 5/	8	4,410,308	8	4,410,308
Super regional mall 6/	2	3,509,936	2	3,509,936
Outlet/value center	3	532,796	3	532,796
Lifestyle center	2	311,299	2	311,299
Theme/festival center 7/	2	250,395	2	250,395
Airport retail	1	586,632	1	586,632

1/ Revised from previous *Data Book*.

2/ Provides for the sale of daily living needs of the immediate area. Typical area is 30,000 to 150,000 square feet with at least one anchor tenant.

3/ In addition to convenience goods, provides for the sale of goods such as apparel or furniture. Typical area is 100,000 to 350,000 square feet with two or more anchor tenants.

4/ Typically 250,000 to 600,000 square feet with three or more anchor stores which occupy 75-90% of the total area. Anchor stores are "category-dominant" home improvement stores, discount department stores, warehouse clubs and off-price stores.

5/ Provides a variety of goods comparable to those of a central business district in a small city, including general merchandise, apparel and home furnishings, as well as a variety of services and perhaps recreational facilities. Two or more full-line department stores anchor a total area of 400,000 to 800,000 square feet.

6/ Provides an extensive variety of shopping goods comparable to those of the central business district of a major metropolitan area. The anchors are three or more full-line department stores, with total area in excess of 800,000 square feet.

7/ Anchored by restaurants or other entertainment facilities, and oriented toward leisure and tourist-oriented goods and services. Typical area is 80,000 to 250,000 square feet.

Source: International Council of Shopping Centers, "U.S. Shopping Center Count and GLA by Center Type: State, Region and Division Geographic Levels" (annual) <<http://quickstats.icsc.org/>> accessed May 10, 2019.

Table 23.10-- CHARACTERISTICS OF EATING AND DRINKING PLACES: 2012

[Includes only establishments of firms with payroll]

Subject	Full-service restaurants	Limited-service restaurants	Cafeterias, buffets, and grill buffets	Drinking places (alcoholic beverages)
Establishments in business at end of year	1,086	1,160	11	209
Sales, calendar year (million dollars)	1,968.9	1,162.7	(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	-	-	(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>> accessed on June 17, 2016.

Table 23.11-- DUTY-FREE STORE REVENUES: 1985 TO 2018

[In dollars and contract year ending May 31. These sales revenues are not included in the general excise and use tax base cited elsewhere in this *Data Book*]

Year	Revenues	Year	Revenues
1985	180,126,919	2002	149,962,722
1986	270,891,959	2003	158,854,936
1987	369,788,429	2004	168,305,421
1988	445,072,755	2005	189,517,794
1989	451,185,041	2006	174,632,693
1990	413,932,037	2007	147,125,047
1991	378,587,469	2008	130,749,679
1992	421,953,644	2009	116,402,544
1993	397,322,968	2010	119,377,140
1994	413,417,555	2011	152,849,776
1995	419,548,514	2012	199,596,711
1996	425,824,748	2013	201,060,547
1997	355,636,355	2014	166,411,033
1998	271,692,798	2015	135,602,039
1999	192,429,772	2016	105,331,886
2000	229,392,900	2017	100,801,831
2001	215,257,193	2018	108,083,146

Source: For 1985-1994 data DFS Hawaii, records; and for 1995-2018 data Hawaii State Department of Transportation, Airport Division, records.

Table 23.12-- ALCOHOLIC BEVERAGE SALES, BY TYPE AND COUNTY: 2017

[Fiscal year ending June 30]

Category	State	Hawaii	Maui	Honolulu	Kauai
All types (dollars)	714,482,809	66,372,763	109,856,180	499,514,801	38,739,065
Distilled spirits	179,221,293	9,596,707	14,447,704	148,677,811	6,499,071
Sparkling wine	23,818,351	1,094,342	1,971,919	20,100,895	651,195
Still wine	215,291,031	17,554,641	33,923,714	154,915,710	8,896,966
Cooler beverage	345,664	69,008	38,849	206,037	31,770
Beer other than draft	257,344,356	33,767,373	54,146,456	149,406,143	20,024,384
Draft beer	38,462,114	4,290,692	5,327,538	26,208,205	2,635,679
All types (wine gallons 1/)	39,149,243	4,786,565	7,295,911	24,351,647	2,715,120
Distilled spirits	2,719,240	216,202	294,780	2,090,010	118,248
Sparkling wine	349,631	23,336	43,391	269,616	13,288
Still wine	4,793,182	505,022	603,101	3,465,873	219,186
Cooler beverage	29,858	6,001	3,418	17,886	2,553
Beer other than draft	27,430,799	3,617,357	5,801,579	15,894,065	2,117,798
Draft beer	3,826,533	418,647	549,642	2,614,197	244,047

1/ 128 fluid ounces.

Source: Hawaii State Department of Taxation, Tax Research and Planning, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.13-- PRODUCT LINE SALES FOR RETAIL TRADE (NAICS 44-45): 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	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 23.13-- PRODUCT LINE SALES FOR RETAIL TRADE (NAICS 44-45):
2012 -- Con.**

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
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 equip.	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 flex. 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

Continued on next page.

**Table 23.13-- PRODUCT LINE SALES FOR RETAIL TRADE (NAICS 44-45):
2012 -- Con.**

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
21100	Meals, unpackaged snacks, sandwiches, unpackaged ice cream & yogurt, bakery items, other food items & nonalcoholic bvg's 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

X Not applicable.

1/ Less than half the unit shown.

Source: U.S. Census Bureau, *2012 Economic Census*, "Sector 44: Retail Trade: Subject Series - Product Lines: Product Lines Statistics by Kind of Business for the United States and States: 2012" (EC1244SLLS1) <<http://factfinder.census.gov>> accessed June 17, 2016.

**Table 23.14-- WHOLESALE TRADE ESTABLISHMENTS AND SALES
(NAICS 42): 1939 TO 2012**

[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	Sales (\$1,000)	Year	Number	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; *2007 Economic Census*, "Sector 42: Wholesale Trade, Geographic Area Series, Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2007" (EC0742A1) <<http://factfinder.census.gov>> accessed April 12, 2010; *2012 Economic Census*, "Sector 42: Wholesale Trade, Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1242A1) <<http://factfinder.census.gov>> accessed May 22, 2015.

**Table 23.15-- 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)]

Subject	State total	Oahu	Neighbor islands
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: Wholesale Trade, Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1242A1) <<http://factfinder.census.gov>> accessed May 26, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.16-- 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: Wholesale Trade, Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1242A1) <<http://factfinder.census.gov>> accessed May 27, 2015.

Table 23.17-- 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)]

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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/)
Mali	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 23.17-- WHOLESALE TRADE (NAICS 42), BY COUNTY AND SELECTED PLACE: 2012 -- Con.

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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 fewer 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: Wholesale Trade: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1242A1) <<http://factfinder.census.gov>> accessed May 27, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.18-- 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)]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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

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**Table 23.18-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE:
2012 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Honolulu County - Con.				
Pupukea	6	761	151	8
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
Waikale	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

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Table 23.18-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE: 2012 -- Con.

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Maui County - Con.				
Waikapu	3	276	98	2
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 fewer 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: Professional, Scientific, and Technical Services: Geographic Area Series, Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1254A1) <<http://factfinder.census.gov>> accessed June 3, 2015 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.19-- 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 23.19-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT
AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY
COUNTY AND SELECTED PLACE: 2012 -- Con.**

Geographic area	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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)

Continued on next page.

**Table 23.19-- 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 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.

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: 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" (EC1256A1) <<http://factfinder.census.gov>> accessed June 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.20-- 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)]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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 23.20-- EDUCATIONAL SERVICES ESTABLISHMENTS (NAICS 61),
BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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 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.

4/ 0 to 19 employees.

Source: U.S. Census Bureau, *2012 Economic Census*, "Sector 61: Educational Services:
Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012"
(EC1261A1) <<http://factfinder.census.gov>> accessed June 3, 2015; and calculations by the Hawaii State
Department of Business, Economic Development & Tourism.

**Table 23.21-- 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)]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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 23.21-- ARTS, ENTERTAINMENT, AND RECREATION
ESTABLISHMENTS (NAICS 71), BY COUNTY AND SELECTED PLACE:
2012 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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 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.

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: Arts, Entertainment, and Recreation: Geographic Area Series: U.S., States, Metro Areas, Counties, and Places: 2012" (EC1271A1) <<http://factfinder.census.gov>> accessed June 3, 2015 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.22-- 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)]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
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

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**Table 23.22-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED PLACE:
2012 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Honolulu County - con.				
Waianae	8	(D)	(D)	(2/)
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-Honokowai	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 23.22-- 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 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.

Source: U.S. Census Bureau, *2012 Economic Census*, "Sector 81: Other Services (Except Public Administration): Geographic Area Series: U.S., States, Metro Areas, Counties, and Places: 2012" (EC1281A1) <<http://factfinder.census.gov>> accessed June 3, 2015; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.23-- 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 23.23-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
ESTABLISHMENTS (NAICS 54), BY TYPE OF OPERATION OR KIND OF
BUSINESS: 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/ 2,500 to 4,999 employees.

3/ 1,000 to 2,499 employees.

Source: U.S. Census Bureau, *2012 Economic Census*, "Sector 54: Professional, Scientific, and Technical Services: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1254A1) <<http://factfinder.census.gov>> accessed May 29, 2015.

Table 23.24-- 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: 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" (EC1256A1) <<http://factfinder.census.gov>> accessed June 1, 2015.

**Table 23.25-- 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: Educational Services: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1261A1) <<http://factfinder.census.gov>> accessed June 1, 2015.

**Table 23.26-- 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/ revenue (\$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/)

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**Table 23.26-- 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 establish- ments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employ- ees 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: Arts, Entertainment, and Recreation: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1271A1) <<http://factfinder.census.gov>> accessed June 1, 2015.

**Table 23.27-- 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: Other Services (Except Public Administration): Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties and Places: 2012" (EC1281A1) <<http://factfinder.census.gov>> accessed June 2, 2015.

Table 23.28-- TRAVEL ARRANGEMENT AND RESERVATION SERVICES ESTABLISHMENTS (NAICS 5615), 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/
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: 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" (EC1256A1) <<http://factfinder.census.gov>> accessed June 22, 2015.

**Table 23.29-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS
(NAICS 72), 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	Sales (\$1,000)	Annual payroll (\$1000)	Number of employees 1/
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

Continued on next page.

**Table 23.29-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS
(NAICS 72), BY COUNTY AND SELECTED PLACE: 2012 -- Con.**

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1000)	Number of employees 1/
Honolulu County - Con.				
Waikale	14	24,763	6,239	424
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 23.29-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS
(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: Accommodation and Food Services, Geographic Area Series: Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2012" (EC1272A1) <<http://factfinder.census.gov>> accessed June 10, 2015 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.30-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS
(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: Accommodation and Food Services, Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012" (EC1272A1) <<http://factfinder.census.gov>> accessed June 12, 2015.

Table 23.31-- 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: Accommodation and Food Services: Subject Series - Product Lines: Product Lines Statistics by Kind of Business for the United States and States: 2012" (EC1272SLLS1) <<http://factfinder.census.gov>> accessed June 22, 2016.

Table 23.32-- VISITOR ACCOMMODATIONS, BY COUNTY: 1985 TO 2018

[Number of units]

Year	State total	City & County of Honolulu	Hawaii County	Kauai County	Maui County
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
2016	79,092	37,400	11,349	8,444	21,899
2017 1/	80,709	38,879	11,286	8,821	21,723
2018	80,751	39,089	10,811	9,022	21,829

NA Not available.

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, *Visitor Plant Inventory*, "Table 1: Available Units by County, 1965 to 2018" (2018) <<https://www.hawaiitourismauthority.org/research/visitor-plant-inventory/>> accessed April 12, 2019.

Table 23.33-- VISITOR ACCOMMODATIONS, BY TYPE: 1990 TO 2018

Year	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
1990	533	264	269	71,266	52,438	18,828
1991	595	313	282	72,275	52,688	19,587
1992	664	374	295	73,089	51,134	21,955
1993	698	406	292	69,502	49,111	20,391
1994	692	397	295	70,463	49,436	21,027
1995	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1996	770	472	298	70,288	49,737	20,551
1997	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	70,579	54,209	16,533
2004 3/	1,209	970	239	72,176	58,716	13,898
2005 3/	1,266	1,035	231	72,307	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 3/	1,615	1,434	181	75,198	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
2016	1,712	1,595	117	79,092	68,174	10,918
2017 4/	1,636	1,518	118	80,709	69,834	10,875
2018	1,462	1,349	113	80,751	70,136	10,615

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.

2/ Condominium accommodations in rental pools for transient use. Includes condo/hotel units.

3/ 'Units- Total' was subsequently revised by source; however, components were not revised. Thus, 'Units- Total' are revised figures while 'Units- Hotels' and 'Units- Condominiums' are original figures.

4/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, *Visitor Plant Inventory* (annual)

<<https://www.hawaiitourismauthority.org/research/visitor-plant-inventory/>> accessed May 23, 2019 and records. Continues report published by the Hawaii State Department of Business, Economic Development & Tourism from 1999 to 2008 and in prior years by the Hawaii Visitors and Convention Bureau. Calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.34-- VISITOR ACCOMMODATIONS, BY TYPE AND BY ISLAND: 2018

Island	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
State total	1,462	1,349	113	80,751	70,136	10,615
Oahu	275	250	25	39,089	34,847	4,242
Waikiki/Honolulu	157	136	21	30,818	27,939	2,879
Rest of Oahu	118	114	4	8,271	6,908	1,363
Other islands	1,187	1,099	88	41,662	35,289	6,373
Hawaii	444	431	13	10,811	10,289	522
Maui	370	317	53	21,367	17,178	4,189
Lanai	3	3	-	218	218	-
Molokai	23	21	2	244	174	70
Kauai	347	327	20	9,022	7,430	1,592

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, *2018 Visitor Plant Inventory* (revised April 2019)

<<http://www.hawaiitourismauthority.org/research/reports/visitor-plant-inventory/>> accessed May23, 2019 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.35-- VISITOR ACCOMMODATIONS, BY TYPE AND GEOGRAPHIC AREA: 2018

Type of accommodation	Properties			Units		
	State total	Oahu	Other islands	State total	Oahu	Other islands
All types	1,462	275	1,187	80,751	39,089	41,662
Apartment-hotel	4	2	2	101	50	51
Bed and breakfast	126	23	103	488	47	441
Condominium hotel	113	25	88	10,615	4,242	6,373
Hostels	15	9	6	339	267	72
Hotel	150	73	77	43,857	27,306	16,551
Individual vacation units	959	120	839	13,082	3,221	9,861
Timeshare	77	19	58	11,923	3,731	8,192
Other	18	4	14	346	225	121

Source: Hawaii Tourism Authority, *2018 Visitor Plant Inventory* (revised April 2019)
 <<http://www.hawaii-tourism-authority.org/research/reports/visitor-plant-inventory/>> accessed May 23, 2019
 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.36-- HOTELS AND OTHER LODGING PLACES (NAICS 721),
BY COUNTY: 2010 TO 2016**

[Statistics based on the North American Industry Classification System (NAICS)]

County	2010	2011	2012	2013	2014	2015	2016
State total	294	295	307	326	306	312	341
Hawaii	61	61	60	69	65	65	65
Honolulu	98	100	108	107	104	114	120
Kauai	43	46	49	54	47	46	54
Maui	92	88	90	96	90	87	102

Source: U.S. Census Bureau, *County Business Patterns, Hawaii* (annual)
<<https://factfinder.census.gov/>> accessed May 9, 2018.

Table 23.37-- VISITOR ACCOMMODATIONS, BY NIGHTLY PRICE: 2018

[Figures may not add up to totals due to rounding in original source]

Island and type of accommodation	Total	Up to \$100	\$101 to \$250	\$251 to \$500	Over \$500
Available units	80,751	3,957	19,622	24,952	32,220
Island					
Oahu	39,089	2,111	10,202	13,720	13,095
Hawaii	10,811	1,092	2,303	4,195	3,211
Kauai	9,022	217	3,040	1,886	3,879
Maui	21,367	235	3,761	4,316	13,055
Molokai	244	15	219	8	2
Lanai	218	-	4	-	214
Type of unit					
Apartment/hotel	101	34	62	4	-
Bed and breakfast	488	77	348	58	4
Condominium hotel	10,615	287	4,012	5,414	892
Hostel	339	308	31	-	-
Hotel	43,857	1,930	9,342	14,604	17,981
Individual vacation unit	13,082	1,923	6,188	3,087	1,884
Timeshare	11,923	119	2,277	1,002	8,525
Other	346	154	172	11	9

Source: Hawaii Tourism Authority, *2018 Visitor Plant Inventory* (revised April 2019)
 <<http://www.hawaii-tourism-authority.org/research/reports/visitor-plant-inventory/>> accessed May 23, 2019
 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 23.38-- HOTEL UNITS, OCCUPANCY RATES, AND DAILY ROOM AND GUEST RATES: 1990 TO 2018

[Includes condominium units in rental pools for transient occupancy]

Year	Hotel units 1/			Percent occupied 2/	Daily rate per room 2/ (dollars)	Guests per room 3/
	State total	Oahu	Neighbor islands			
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	234.85	(NA)
2015	77,138	36,058	41,080	78.7	244.64	(NA)
2016	79,092	37,400	41,692	79.0	254.03	(NA)
2017 4/	80,709	38,879	41,830	80.2	264.49	(NA)
2018	80,751	39,089	41,662	79.8	278.07	(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 Tourism Authority, *Visitor Plant Inventory* (annual) and *Hawaii Hotel Performance Report* (annual); PKF-Hawaii, *Trends in the Hotel Industry, Hawaii* (December issues); and Smith Travel Research, Hospitality Advisors LLC, *Hawaii Hotel Flash Report* (December/Year-End Highlights issues).

**Table 23.39-- HOTEL ROOM OCCUPANCY AND ROOM RATES, BY
GEOGRAPHIC AREA: 2018**

Geographic area	Percent occupied	Average daily room rate (dollars)	Revenue per available room (dollars)
State total	79.8	278.07	221.85
Oahu	83.9	238.16	199.70
Waikiki	84.3	233.76	197.06
Other Oahu	81.2	265.11	215.31
Maui	75.9	385.39	292.35
Wailea	87.1	584.79	509.34
Lahaina-Kaanapali-Kapalua	74.9	322.01	241.18
Other Maui	77.1	463.61	357.35
Hawaii	72.2	261.43	188.76
Kohala Coast	69.6	370.66	257.90
Kauai	75.4	291.45	219.82

Source: Hawaii Tourism Authority, *December 2018 Hawaii Hotel Performance Report* (January 2019)
<<http://www.hawaiiitourismauthority.org/research/infrastructure-research/>> accessed April 12, 2019.

Table 23.40-- GENERAL EXCISE TAX BASE FOR RENTALS: 1985 TO 2018

[In thousands of dollars. Data are on a cash basis accounting]

Year reported 1/	Total	Hotel rentals	All other rentals 2/
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
2016	10,822,607	4,502,385	6,320,222
2017	12,462,775	5,186,494	7,276,281
2018	14,103,184	5,644,187	8,458,997

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) <https://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed May 15, 2019, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 23.41-- COMPUTER AND SOFTWARE STORES AND SERVICES: 2012

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS)]

Subject	Establish- ments (number)	Receipts/ revenue or sales (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12 (number)
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*, "All sectors: Geographic Area Series: Economy-Wide Key Statistics: 2012" (EC1200A1) <<http://factfinder.census.gov/>> accessed April 20, 2015.

Table 23.42-- 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]

Subject and year	Establish- ments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12 (number)
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 23.42-- 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: Real Estate and Rental and Leasing: Geographic Area Series: Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2007" (EC0753A1) <<http://factfinder.census.gov>> accessed May 21, 2010; *2007 Economic Census*, "Sector 51: Information: Geographic Area Series: Summary Statistics for the United States, States, Metro and Micro Areas, Metro Divisions, Consolidated Cities, Counties, and Places: 2007" (EC0751A1) <<http://factfinder.census.gov>> accessed April 29, 2010; *2012 Economic Census*, "All sectors: Geographic Area Series: Economy-Wide Key Statistics: 2012" (EC1200A1) <<http://factfinder.census.gov/>> accessed April 20, 2015.

Table 23.43-- FILM AND TELEVISION PRODUCTION: 2013 TO 2018

[In millions of dollars, except for employment which is in number of jobs]

Category	2013	2014	2015	2016	2017 1/	2018
Total production expenditures	228.5	221.5	243.5	244.6	364.1	419.4
Expenditures qualified for tax credit	163.7	162.3	199.6	199.0	312.8	368.2
Expenditures not qualified for tax credit	64.8	59.2	43.9	45.6	51.3	51.2
Economic impact						
Output	396.2	384.0	422.2	423.2	629.9	725.6
Earnings	91.6	88.8	97.6	97.8	145.6	167.8
State taxes	25.1	24.3	26.7	26.4	39.3	45.3
Employment	2,670	2,506	2,668	2,593	3,750	4,194

1/ Revised from previous *Data Book*.

Source: Hawaii Department of Business, Economic Development & Tourism, Creative Industries Division, records; and calculations by the Hawaii State Department of Business, Economic Development, & Tourism.

Table
Number **Table Name**

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

Narrative

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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 24.01-- FOREIGN TRADE THROUGH THE HAWAII
CUSTOMS DISTRICT: 1997 TO 2018**

[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/
1997	3,177	2,695	1,628	334	303
1998	2,515	2,217	1,042	276	211
1999	2,599	2,299	1,183	274	244
2000	3,440	2,876	703	387	369
2001	2,606	2,285	631	370	319
2002	2,480	2,130	2,692	514	392
2003	2,428	2,021	2,522	368	(NA)
2004	2,795	2,236	1,754	405	(NA)
2005	3,701	2,919	2,416	1,028	(NA)
2006	4,853	4,172	3,216	706	(NA)
2007	5,208	4,234	4,761	560	(NA)
2008	5,980	5,108	7,579	964	(NA)
2009	3,752	3,198	5,775	562	(NA)
2010	4,583	4,200	7,398	685	(NA)
2011	5,652	4,983	7,452	909	(NA)
2012	6,478	5,704	9,747	726	(NA)
2013	5,600	5,219	11,429	598	(NA)
2014	4,971	4,012	12,560	1,452	(NA)
2015	4,052	3,570	13,914	1,896	(NA)
2016	3,139	2,750	10,276	1,239	(NA)
2017	3,848	3,271	11,803	938	(NA)
2018	4,447	4,162	11,958	647	(NA)

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, *U.S. Merchandise Trade: Selected Highlights, FT920*, December issue 1997 to 2018, and 2004 to 2018 <http://www.census.gov/foreign-trade/Press-Release/ft920_index.html> accessed June 10, 2019; *U.S. Merchandise Trade, FT900 Supplement*, December issue 1997 to 2018 <http://www.census.gov/foreign-trade/Press-Release/current_press_release/press.html> accessed June 10, 2019; 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: 2013 TO 2018**

[In millions of dollars]

Classification	2013	2014	2015	2016	2017	2018
General imports by district of entry						
Customs value 1/	5,599.6	4,970.6	4,052.1	3,139.2	3,848.3	4,446.5
C.I.F. value 2/	5,844.5	5,217.5	4,322.1	3,367.1	4,100.2	4,655.3
Gen. imports by district of unloading						
Customs value 1/	7,967.7	8,115.4	7,098.6	6,049.0	7,229.7	7,671.3
C.I.F. value 2/	8,291.7	8,173.2	7,488.5	6,370.9	7,598.5	7,997.7
Gen. imports by state of destination						
Commodities	6,064.6	5,328.0	3,759.7	2,943.8	3,814.8	4,526.0
Manufactured commodities	2,490.5	2,040.0	1,681.7	1,353.5	1,539.4	1,921.1
Non-manufactured commodities	3,574.1	3,287.9	2,078.0	1,590.3	2,275.4	2,604.9
Imports for consumption by district of entry (customs value 1/)	5,219.0	4,011.5	3,569.7	2,750.1	3,270.7	4,162.3
Duty free value	1,680.2	1,644.2	1,882.6	1,110.0	1,086.6	1,296.3
Dutiable value	3,538.8	2,367.3	1,687.1	1,640.1	2,184.2	2,866.0
Exports of domestic & foreign merchandise by dist. of export (F.A.S. value 3/)	11,428.7	12,559.7	13,913.5	10,275.6	11,802.5	11,958.0
Exports of merchandise by origin of movement 4/	598.3	1,452.1	1,895.7	1,239.0	938.0	646.9
Commodities	551.3	1,342.0	1,844.5	1,172.1	875.6	605.2
Manufactured commodities	386.6	1,169.0	1,709.8	1,035.3	750.5	452.2
Non-manufactured commodities	164.7	173.0	134.7	136.8	125.2	153.0
Re-exports	47.0	110.1	51.2	66.9	62.4	41.7

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/ Free alongside ship (F.A.S.) 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.

4/ Based on the North American Industry Classification System (NAICS). 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 after the December 2002 estimates.

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> accessed June 10, 2019 and *U.S. Merchandise Trade, FT900 Supplement*, December issue (annual) <http://www.census.gov/foreign-trade/Press-Release/current_press_release/press.html> accessed June 10, 2019; 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: 2004 TO 2018

[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/					
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
2016	6,049.0	2,526.7	3,312.2	6,519.6	45.1
2017	7,229.7	3,208.0	3,847.0	7,311.8	57.6
2018	7,671.3	3,700.6	3,833.9	6,710.2	54.1
Exports 3/					
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
2016	10,275.6	312.6	2,184.0	837.1	27.8
2017	11,802.5	378.8	2,192.7	920.9	25.4
2018	11,958.0	449.9	1,548.9	941.4	26.6

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. Census Bureau, *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> accessed June 10, 2019.

**Table 24.04-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS:
2015 TO 2017**

[In millions of dollars unless otherwise noted]

Subject	2015	2016	2017
State summary			
Merchandise received	1,000-5,000	1,000-5,000	1,000-5,000
Exports	500-750	250-500	250-500
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000
Employees (persons)	3,001-4,000	2,501-3,000	2,501-3,000
Top foreign-status product, by value (percent)	100	100	100
Oil/petroleum	98	98	99
Petrochemicals	2	2	1
Vehicles [Aircraft/spacecraft in 2014]	<1	<1	<1
Plastic/rubber	<1	<1	<1
Food products [Consumer prod. in 2016]	<1	<1	<1
Other	<1	<1	<1
Warehouse/distribution activity			
Number of companies	407	378	460
Merchandise received	500-750	500-750	750-1,000
Exports	250-500	250-500	250-500
Total shipments	500-750	500-750	750-1,000
Production activity - zone/subzone			
Zone 9 Pacific Allied Products, Ltd.			
Merchandise received	1-5	1-5	1-5
Exports	-	-	-
Total shipments	1-5	1-5	1-5
Subzone 9A Par Hawaii Refining, L.L.C.			
Merchandise received	1,000-5,000	1,000-5,000	1,000-5,000
Exports	250-500	100-250	100-250
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000
Subzone 9E IES Downstream			
Merchandise received	1,000-5,000	750-1,000	1,000-5,000
Exports	1-5	-	-
Total shipments	1,000-5,000	750-1,000	1,000-5,000
Subzone 9F Hawaii Gas			
Merchandise received	25-50	25-50	25-50
Exports	-	-	-
Total shipments	10-25	10-25	10-25

Source: United States Foreign-Trade Zones Board, *77th Annual Report of the Foreign-Trade Zones Board to the Congress of the United States*, Appendix D (September 2016) <<http://enforcement.trade.gov/ftzpage/annual-report.html>> accessed October 18, 2016; *78th Annual Report of the Foreign-Trade Zones Board to the Congress of the United States*, Appendix D (November 2017) <<http://enforcement.trade.gov/ftzpage/annual-report.html>> accessed July 19, 2018; and *79th Annual Report of the Foreign-Trade Zones Board to the Congress of the United States*, Appendix D (November 2018) <<http://enforcement.trade.gov/ftzpage/annual-report.html>> accessed January 25, 2019.

Table 24.05-- COMMODITY EXPORTS TOTAL AND TO TOP 25 FOREIGN COUNTRIES: 2015 TO 2018

[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 2018 dollar value]

Rank	Country	2015	2016	2017	2018
	Total	1,896.4	795.5	952.4	646.9
	Top 25 foreign countries	1,794.7	772.5	929.5	633.8
1	Korea, South	45.7	49.8	118.6	222.2
2	Singapore	91.7	55.9	136.2	106.0
3	Japan	79.7	70.7	78.5	71.8
4	China	78.0	83.0	124.6	35.6
5	Taiwan	13.1	9.5	12.9	21.4
6	Vietnam	101.7	7.4	16.9	19.9
7	Malaysia	6.3	11.2	1.3	19.1
8	Netherlands	2.1	2.1	1.2	18.8
9	Canada	29.8	66.2	24.3	18.5
10	Hong Kong	21.4	18.1	13.9	16.1
11	Australia	1,278.3	313.1	340.1	13.0
12	India	9.8	15.3	11.0	11.5
13	Bangladesh	0.0	4.1	13.4	10.6
14	New Zealand	9.0	32.5	7.0	10.4
15	United Kingdom	5.4	4.1	5.8	8.9
16	Philippines	6.7	4.8	5.6	5.0
17	Thailand	2.6	1.9	2.8	4.6
18	France	2.1	6.3	2.9	3.3
19	Indonesia	3.7	4.8	4.5	3.3
20	Micronesia	0.5	0.3	0.3	2.9
21	Sweden	1.3	1.6	1.8	2.7
22	Germany	2.3	3.6	2.3	2.5
23	Italy	1.3	0.5	1.4	2.1
24	Marshall Islands	1.4	4.8	1.7	2.0
25	Switzerland	1.1	1.0	0.5	1.4

Source: U.S. Census Bureau, Foreign-Trade Division, State by 6-Digit HS Code and Top Countries, "Total U.S. Exports (Origin of Movement) Top 25 Countries Based on 2018 Dollar Value" <<https://www.census.gov/foreign-trade/statistics/state/data/exctyhi.csv>> accessed May 22, 2019.

Table 24.06-- COMMODITY IMPORTS TOTAL AND FROM TOP 25 FOREIGN COUNTRIES: 2015 TO 2018

[In millions of dollars. U.S. Imports by State of Final Destination (State Import Series).
Top 25 countries based on 2018 dollar value]

Rank	Country	2015	2016	2017	2018
	Total	3,755.8	2,930.5	3,809.8	4,526.0
	Top 25 foreign countries	3,461.3	2,749.0	3,508.6	4,338.0
1	Indonesia	816.4	696.8	814.4	1,115.0
2	Libya	16.7	143.9	284.3	451.7
3	Japan	310.9	376.9	480.0	450.4
4	Russia	477.0	282.4	275.3	387.7
5	China	278.7	242.6	388.8	386.0
6	Germany	31.9	25.2	29.0	313.2
7	France	387.5	22.5	183.9	174.1
8	Korea, South	213.8	158.7	68.8	157.8
9	United Arab Emirates	33.7	116.7	279.5	139.9
10	Canada	265.4	229.6	132.7	128.6
11	Vietnam	192.9	83.7	163.2	96.1
12	Taiwan	50.9	50.9	52.7	82.1
13	Thailand	37.8	39.0	92.7	56.1
14	Nigeria	111.4	10.6	63.5	54.4
15	Italy	38.1	49.4	40.8	52.4
16	Malaysia	19.4	78.8	31.7	40.4
17	Mexico	8.7	11.7	10.4	34.5
18	Gabon	-	-	-	33.7
19	Australia	29.7	40.6	24.5	31.0
20	Brunei	-	-	-	30.4
21	New Zealand	26.8	25.3	24.2	29.2
22	Ecuador	36.8	2.3	12.2	27.4
23	United Kingdom	31.8	15.1	15.1	22.2
24	Switzerland	17.0	18.8	18.0	22.1
25	Philippines	28.0	27.6	23.0	21.6

Source: U.S. Census Bureau, Foreign-Trade Division, State by 6-Digit HS Code and Top Countries,
"Top U.S. Imports by State, Top 25 Countries Based on 2018 Dollar Value"
<<http://www.census.gov/foreign-trade/statistics/state/data/imports/hi.html>> accessed May 22, 2019.

**Table 24.07-- TOTAL AND TOP 25 CATEGORIES OF COMMODITY
EXPORTS TO FOREIGN COUNTRIES: 2015 TO 2018**

[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]

Rank	Commodity	2015	2016	2017	2018
	All commodities	1,896.4	795.5	952.4	646.9
	Top 25 commodities based on 2018 value	458.5	328.7	514.9	552.2
1	Petrol oil bituminous mineral (not crude) etc not biodiesel	165.1	66.9	190.7	183.2
2	Light oils, preps GT=70% petroleum/bitum not biodiesel	125.1	64.4	73.5	108.0
3	Civilian aircraft, engines and parts	15.0	31.0	67.9	47.5
4	Ferrous waste & scrap NESOI 1/	21.5	17.4	28.9	44.4
5	Cold-water shrimps and prawns, live, fresh or chill	-	-	18.8	24.3
6	Exports of military equipment, not identified	19.6	40.4	3.5	18.9
7	Waters, not sweetened or flavored NESOI; ice, & snow 1/	12.2	15.2	14.9	14.0
8	Aluminum waste and scrap	14.5	9.4	10.4	12.9
9	Meat of bovine animals, boneless, fresh or chilled	9.6	13.0	24.0	12.4
10	Macadamia nuts, in shell, fresh or dried	9.5	7.0	9.6	9.0
11	Other inst, specially designed for telecommunications	3.7	6.2	6.7	7.9
12	Cocoa preparations, not in bulk form, NESOI 1/	10.6	9.4	10.3	7.4
13	Copper waste and scrap	6.6	7.3	10.3	7.0
14	Papayas (papaws), fresh	8.0	8.1	7.2	6.8
15	Waste, scrap unbleach kraft, corrugated paper/paperbrd	6.5	4.8	5.5	6.8
16	Juice of single fruit/vegetable, not fortified	1.6	2.9	4.4	6.0
17	Coffee, not roasted, not decaffeinated	7.1	4.0	4.3	5.9
18	Coffee, roasted, not decaffeinated	5.8	5.9	6.9	5.2
19	Paintings, drawing and pastels by hand	1.8	1.4	2.1	4.9
20	Jewelry and parts thereof, of other precious metal	5.2	3.1	3.0	4.4
21	Ice cream and other edible ice, with cocoa or not	1.8	3.0	2.8	3.3
22	Nuts (exc. peanuts) and seeds, prepared, etc. NESOI 1/	3.4	2.2	3.7	3.3
23	Medicaments NESOI, not in dosage form	2.6	2.6	3.0	3.0
24	Macadamia nuts, in shell, fresh or dried	1.6	3.0	2.6	3.0
25	Print type, blocks, cylinders or other printing components	-	-	-	2.6

1/ NESOI- Not elsewhere specified or indicated.

Source: U.S. Census Bureau, Foreign-Trade Division "Total U.S. Exports (Origin of Movement)
by State - Top 25 6-digit HS Commodities Based on 2018 Dollar Value"
<<https://www.census.gov/foreign-trade/statistics/state/data/exstall.xls>> accessed May 22, 2019.

**Table 24.08-- TOTAL AND TOP 25 CATEGORIES OF COMMODITY IMPORTS
FROM FOREIGN COUNTRIES: 2015 TO 2018**

[In millions of dollars. U.S. Imports by State of Final Destination (State Import Series)]

Rank	Commodity	2015	2016	2017	2018
	Total Hawaii imports	3,755.8	2,930.5	3,809.8	4,526.0
	Top 25 commodities based on 2018 dollar value	2,933.2	2,159.9	2,952.9	3,614.2
1	Crude oil from petroleum & bituminous minerals	1,798.0	1,368.9	1,998.4	2,300.1
2	Airplane & OT A/C unladen weight > 15,000 KG	363.0	-	158.6	414.9
3	Petrol oil bitum mineral (NT crude) etc NT bio	269.4	276.3	338.0	377.9
4	Passenger vehicles SPK-IG INT COM RCPR P ENG > 1500 NOV 3,000 cc	127.6	131.7	108.3	106.5
5	Pass. vehicles, spark ign eng com RCPR P ENG > 3000 CC	107.6	90.7	108.3	97.8
6	Photosensitive semiconductor devices, incl. photovoltaic cells	24.3	33.6	9.4	47.7
7	Jewelry and parts thereof, of other precious metal	18.8	21.7	21.1	26.3
8	Propane, liquified	20.4	14.3	20.3	24.5
9	Lithium ion batteries	0.7	3.0	3.3	19.7
10	Wooden kitchen furniture, except seats	15.3	23.1	22.9	18.5
11	Tuna, skipjack/stripe-bellied bonito fillet frozen	23.2	25.2	15.7	18.1
12	Pass. vehicles w/SPK-IG & electric motor not chgd by plug	-	-	19.7	17.9
13	Portland cement except white Portland cement	22.6	18.7	16.0	15.8
14	Beer made from malt	16.1	17.0	16.2	14.0
15	Meat of bovine animals, boneless, frozen	19.1	13.5	13.4	12.8
16	Wooden furniture, NESOI 1/	12.4	14.0	12.0	12.7
17	Seats with wooden frames, upholstered, NESOI	8.7	8.8	11.0	12.7
18	Pass. motor vehicles, spark ignition int. combustion >1000 CC <1500 CC	6.7	17.2	4.4	10.8
19	Bituminous coal, not agglomerated	43.1	44.2	8.0	10.6
20	Wrist watches, with/without stop-watch, with auto winding	6.4	5.4	7.8	10.3
21	Atlantic Salmon and Danube Salmon, fresh or	2.3	3.8	9.6	10.1
22	Container bags, cases etc. NESOI, plas./ text material 1/	8.7	8.7	8.4	9.3
23	Bread, pastry, cakes, etc. NESOI 1/	8.4	9.4	7.9	9.0
24	Fruit & edible plant parts NESOI, prepared, etc. 1/	6.6	7.0	9.4	8.2
25	Whiskies	4.0	4.0	4.9	8.1

1/ NESOI- Not elsewhere specified or indicated.

Source: U.S. Census Bureau, Foreign-Trade Division "Total U.S. Imports by State - Top 25
6-digit HS Commodities Based on 2018 Dollar Value"

<<https://www.census.gov/foreign-trade/statistics/state/data/imports/hi.html>> accessed May 22, 2019.

Table 24.09--FOREIGN AGRICULTURAL EXPORTS FOR HAWAII AND THE UNITED STATES: 1973 TO 2017

[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 beginning with the 2011 estimates will update and maintain only the new calendar year farm receipts-based estimates. The 'New' for 2000 to 2016 Hawaii estimates and 2015 and 2016 U.S. are revised from previous *Data Book*. For discussion of methodology, see ERS "Documentation" <<http://www.ers.usda.gov/data-products/state-export-data/documentation>>]

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	151.0	51,265.5	2009	275.0	98,453.9
2001	158.0	53,678.9	2010	308.5	115,820.1
2002	152.2	53,144.2	2011	363.5	136,444.5
2003	159.4	59,392.7	2012	383.8	141,531.6
2004	164.1	61,418.1	2013	365.5	144,336.2
2005	185.8	63,182.3	2014	366.7	149,969.6
2006	198.6	70,950.4	2015	356.5	133,034.2
2007	211.4	89,991.8	2016	366.2	134,650.1
2008	257.7	114,761.4	2017	370.9	138,151.6

1/ Fiscal year (year ending September 30) exports based on each State's share of U.S. agricultural production. Data from 1990 forward were updated using consistent methodology and commodity coverage. Data for 1989 and prior may be kinked due to differences in methodology and commodity coverage.

2/ The '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]: CY2000-2017" (October 25, 2018)

<<http://www.ers.usda.gov/data-products/state-export-data/>> accessed January 25, 2019.

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 ANIMAL AND PLANT PRODUCT EXPORTS, BY COMMODITY GROUP: 2000 TO 2017

[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. 2000 to 2016 revised from previous *Data Book*]

Year	Total animal products	Beef and veal	Pork	Hides and skins	Other livestock prod.	Dairy products	Broiler meat	Other poultry prod.
2000	18.0	1.7	0.5	0.7	12.4	1.3	0.2	1.0
2001	17.8	1.5	0.6	0.9	12.5	1.2	0.2	1.0
2002	18.0	1.5	0.8	0.8	12.8	1.0	0.2	0.8
2003	13.4	1.5	0.6	0.7	8.5	1.0	0.2	0.9
2004	11.8	0.4	0.7	0.8	7.8	1.1	0.1	1.0
2005	12.0	0.6	0.8	0.7	7.5	1.1	-	1.2
2006	11.0	1.1	0.8	1.0	5.9	1.1	-	1.1
2007	15.4	1.4	0.8	1.0	10.5	0.8	-	0.9
2008	26.9	1.6	1.0	0.9	21.8	0.6	-	1.1
2009	22.8	2.0	0.9	0.8	17.0	0.7	-	1.3
2010	27.3	2.5	1.0	1.1	20.5	1.0	-	1.3
2011	36.4	4.0	0.7	1.6	28.9	1.2	-	0.0
2012	44.8	4.4	0.7	1.7	35.8	1.3	-	0.9
2013	40.4	4.6	0.6	1.8	30.7	1.7	-	1.1
2014	48.4	5.4	1.2	1.8	36.9	1.5	-	1.6
2015	46.2	4.8	0.8	1.5	36.0	1.5	-	1.7
2016	43.8	4.3	0.5	1.0	35.8	1.2	-	0.9
2017	51.9	4.5	0.4	0.9	43.2	1.6	-	1.4

Year	Total plant prod.	Veg., fresh	Veg., processed	Fruits, fresh	Fruits, processed	Tree nuts	Other plant products 1/
2000	133.0	13.2	20.0	9.8	9.0	21.7	59.2
2001	140.2	13.0	19.5	9.5	8.4	24.8	64.9
2002	134.2	12.8	18.1	9.1	8.0	19.0	67.1
2003	146.1	13.4	17.5	9.8	8.7	21.1	75.6
2004	152.3	13.1	17.7	8.6	8.2	23.7	80.9
2005	173.8	13.7	17.9	12.3	10.1	28.6	91.2
2006	187.6	14.2	18.7	11.8	10.9	30.3	101.7
2007	196.0	11.0	15.1	12.9	12.3	17.6	127.0
2008	230.8	0.7	1.1	5.5	5.0	29.8	188.8
2009	252.3	0.3	0.4	5.6	5.0	26.1	214.9
2010	281.1	0.3	0.5	5.4	4.8	22.6	247.5
2011	327.1	0.4	0.6	5.5	5.1	29.0	286.6
2012	339.0	0.3	0.6	5.3	4.5	27.0	301.2
2013	325.1	0.3	0.5	5.6	4.9	25.6	288.2
2014	318.3	0.3	0.5	5.3	4.8	27.0	280.4
2015	310.2	0.3	0.6	4.3	4.2	45.4	255.5
2016	322.4	0.3	0.6	3.4	3.2	38.1	276.9
2017	319.0	0.3	0.7	3.3	2.9	50.5	261.2

1/ 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]: CY2000-2017" (October 25, 2018)

<<http://www.ers.usda.gov/data-products/state-export-data/>> accessed January 25, 2019.

Table 24.12-- INTERNATIONAL STUDENT SPENDING AND ECONOMIC IMPACT: 2009 TO 2017

[In thousands of dollars and number. For academic year (AY), where, for example, AY 2017 is Fall 2016-Spring 2017, and CY 2017 is calendar year]

Category	AY 2009 1/	AY 2015 1/	AY 2016 2/	AY 2017 2/	CY 2017 2/
Total direct spending	165,411	205,103	301,913	225,317	241,491
Living expenses	(NA)	72,451	159,101	100,632	133,688
Tuition and fees	(NA)	132,652	142,812	124,684	107,803
Output multiplier	2.16	2.16	2.15	2.15	2.06
Total output generated	357,289	443,023	649,112	484,431	497,471
Earnings multiplier	0.9	0.9	0.85	0.85	0.91
Total income generated	148,870	184,593	256,626	191,519	219,756
State tax multiplier	0.141	0.141	0.143	0.143	0.158
Total state taxes generated	23,323	28,920	43,536	32,288	38,156
Employment multiplier	24.9	24.9	25.14	22.6	21.8
Total jobs generated	4,119	5,107	7,590	5,093	5,264

NA Not available.

1/ Multipliers are based on the DBEDT, *Hawaii State Input-Output Study, 2007 Benchmark Report* (Revised December 2013) <http://dbedt.hawaii.gov/economic/reports_studies/2007-io/>.

2/ Multipliers are based on the DBEDT, *Hawaii State Input-Output Study, 2012 Benchmark Report* (March 2016) <http://dbedt.hawaii.gov/economic/reports_studies/2012-io/>.

Source: Hawaii State Department of Business, Economic Development & Tourism, *The Economic Impact of International Students in Hawaii* (April 2015) <<http://files.hawaii.gov/dbedt/economic/reports/2015-04-foreign-student.pdf>> *The Economic Impact of International Students in Hawaii - 2016 Update* (June 2016) <<http://files.hawaii.gov/dbedt/economic/reports/2016-07-foreign-student.pdf>>, *The Economic Impact of International Students in Hawaii - 2017 Update* (July 2017) <<http://files.hawaii.gov/dbedt/economic/reports/2017-07-foreign-student.pdf>> accessed July 22, 2017; *The Economic Impact of International Students in Hawaii - 2018 Update* (November 2018) <<http://files.hawaii.gov/dbedt/economic/reports/2018-11-foreign-student.pdf>> accessed January 25, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.13-- PROFILE OF IMPORTING AND EXPORTING COMPANIES,
HAWAII AND THE UNITED STATES: 2014 TO 2016**

[In number, millions of dollars, and percent]

Characteristic	2014		2015		2016	
	Hawaii	U.S.	Hawaii	U.S.	Hawaii	U.S.
Exports by state of origin of movement 1/						
Value of exports	1,447	1,620,532	1,896	1,502,572	795	1,451,011
Value as percent of total	0.1	100.0	0.1	100.0	0.1	100.0
Known value 2/	914	1,447,277	598	3/ 1,338,358	440	1,290,213
Percent of known value	0.1	100.0	(4/)	100.0	(4/)	100.0
Number of identified exporters	886	305,213	3/ 850	3/ 295,571	781	287,314
Percent of number of ident. exp.	0.3	100.0	0.3	100.0	0.3	100.0
Percent change from previous year						
Value of exports	142.0	2.6	31.0	-7.3	-58.1	-3.4
Known value 2/	99.6	2.9	-34.6	3/ -7.5	-26.4	-3.6
Number of exporters	2.7	0.1	3/ -4.1	3/ -3.2	-8.1	-2.8
Imports by state of destination 5/						
Value of imports	5,330	2,347,685	3,758	2,248,232	2,931	2,187,805
Value as percent of total	0.2	100.0	0.2	100.0	0.1	100.0
Known value 2/	5,145	2,057,714	3,553	1,969,469	2,629	1,911,184
Percent of known value	0.3	100.0	0.2	100.0	0.1	100.0
Number of identified exporters	2,054	187,825	2,128	196,925	2,333	211,335
Percent of number of ident. imp.	1.1	100.0	1.1	100.0	1.1	100.0
Percent change from previous year						
Value of imports	-12.6	3.5	-29.5	-4.2	-22.0	-2.7
Known value 2/	-11.8	3.6	-30.9	-4.3	-26.0	-3.0
Number of importers	1.1	2.0	3.6	4.8	9.6	7.3

1/ This series provides export statistics based on the U.S. state from which the merchandise starts its journey to the port of export; i.e., the transportation origin. This information is reported by the exporter. See Source "Technical Documentation" for limitations of this data series.

2/ Defined as portion of total U.S. exports and imports that could be matched to specific companies.

3/ Revised from previous *Data Book*.

4/ Represents zero or one-half unit of measurement shown.

5/ This series provides import statistics based on the U.S. state, U.S. territory or U.S. possession where the merchandise is destined, as known at the time of entry summary filing. This information is reported by the importer. See Source "Technical Documentation" for limitations of this data series.

Source: U.S. Census Bureau, *Profile of U.S. Importing and Exporting Companies, 2013-2014*

<<http://www.census.gov/foreign-trade/Press-Release/edb/2014/edbrel.pdf>> accessed April 14, 2016; Ibid. 2014-2015

<<http://www.census.gov/foreign-trade/Press-Release/edb/2015/edbrel.pdf>> accessed January 4, 2017;

Ibid. 2015-2016 <<https://www.census.gov/foreign-trade/Press-Release/edb/2016/index.html>> accessed April 17, 2018 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.14-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS
OF FOREIGN OWNERS: 2004 TO 2016**

[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 land area 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 2015, 4,110,720 acres with the 2000 Census]

Closing date 1/	Parcels owned by foreigners	Privately owned agricultural land 2/	Acres owned by foreigners	Percent of all privately owned agric. land 3/	Agricultural acres owned by foreigners
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
Dec. 31, 2014	115	1,803,038	163,498	8.8	158,877
Dec. 31, 2015	113	1,803,038	163,139	8.8	158,529
Dec. 31, 2016	115	1,803,038	163,244	8.8	158,634

1/ Historically reports have covered the 12-month period ending the last day of February, however, 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.

2/ Preliminary estimate based on unpublished USDA, Economic Research Service 1997 data through 2005, and for 2006-2016, 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.

3/ The December 31, 2016 percentage for Hawaii ranked 2nd (rank of 1 assigned to the highest) among the 50 States, exceeded only by Maine at 17.4 percent and well above the national percentage of 2.2 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 14, 2019.

Table 24.15-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS, BY COUNTRY AND BY COUNTY: 2015 AND 2016

[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, 2015					
Parcels owned by foreigners	113	10	73	7	23
Use of landholdings of foreign owners	163,139	6,137	95,707	7,927	53,368
Agriculture	158,529	2,955	94,532	7,886	53,156
Cropland	38,842	1,838	34,149	133	2,722
Pasture	78,509	-	27,989	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	4,610	3,182	1,175	41	212
Acres owned by foreigners	163,139	6,137	95,707	7,927	53,368
Canada	82	-	66	-	16
Germany	434	-	23	384	27
Netherlands	37,035	-	37,033	-	2
United Kingdom	3,128	-	3,128	-	-
All others	122,460	6,137	55,457	7,543	53,323
December 31, 2016					
Parcels owned by foreigners	115	10	74	7	24
Use of landholdings of foreign owners	163,244	6,137	95,807	7,927	53,373
Agriculture	158,634	2,955	94,632	7,886	53,161
Cropland	38,842	1,838	34,149	133	2,722
Pasture	78,609	-	28,089	2,849	47,671
Forest	7,071	-	1,730	4,201	1,140
Other agriculture	34,112	1,117	30,664	703	1,628
Non agriculture	4,610	3,182	1,175	41	212
Acres owned by foreigners	163,244	6,137	95,807	7,927	53,373
Canada	82	-	66	-	16
Germany	434	-	23	384	27
Netherlands	37,135	-	37,133	-	2
United Kingdom	3,128	-	3,128	-	-
All others	122,465	6,137	55,457	7,543	53,328

Source: U.S. Department of Agriculture, Farm Service Agency, *Foreign Ownership of U. S. Agricultural Land Through December 31*, reports 2 and 3, and for 2015 also Report 1 (annual) <<http://www.fsa.usda.gov/programs-and-services/economic-and-policy-analysis/afida/index>> accessed June 14, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 24.16-- 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.

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-- 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.

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.

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-- 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]

Year	All industries	Petro-leum	Manufac-turing	Whole-sale trade	Retail trade	Finance, nonbank	Insur-ance	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.

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.

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-- 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]

Year	All industries	Petro-leum	Manufac-turing	Whole-sale trade	Retail trade	Finance, nonbank	Insur-ance	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/	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/ 5/	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.

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.

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 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/	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.

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.

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 24.21-- FOREIGN DIRECT INVESTMENT IN MAJORITY-OWNED AFFILIATES:
2007 TO 2016**

[Investment by Hawaii affiliates of U.S. business enterprises owned 50 percent or more, directly or indirectly, by a foreign person. Beginning with statistics for 2007, the BEA is including financial and operating data from both bank and nonbank affiliates. As a consequence, statistics for 2007 and future years are not strictly comparable with statistics from 2006 and earlier, which only covered nonbank affiliates. There is no 'Gross property, plant, and equipment' (GPPE) for 'Majority-Owned' beyond 2007]

Category	GPPE (million dollars)	Employment (1,000 employees)									
	2007	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
All countries 1/	6,184	31.0	27.6	26.7	26.8	29.8	33.7	34.6	37.2	36.7	37.2
Japan 1/	4,320	16.6	13.2	12.8	12.7	14.2	15.5	16.0	17.3	17.2	17.4
Canada	18	0.6	0.9	0.9	1.0	0.8	0.8	0.7	1.2	1.4	1.3
France 1/	680	4.6	4.3	4.5	4.4	5.9	6.0	6.1	6.3	5.7	5.5
Germany 1/	250	0.9	0.8	0.7	0.7	0.7	0.9	0.9	1.0	0.9	1.0
Netherlands	(D)	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.3	0.3	0.3
Switzerland	39	0.8	0.9	1.0	0.9	1.0	1.2	1.0	0.9	0.8	0.8
United Kingdom 1/	58	2.4	3.0	2.3	2.7	2.5	2.4	2.7	2.7	2.8	3.0
Other 1/ 2/	(D)	4.9	4.4	4.4	4.3	4.3	6.6	6.8	7.6	7.6	8.0
All industries 1/	6,184	31.0	27.6	26.7	26.8	29.8	33.7	34.6	37.2	36.7	37.2
Manufacturing 1/	303	2.8	3.4	2.8	3.3	2.8	3.6	3.4	3.3	2.7	2.4
Wholesale trade 1/	434	2.5	1.9	1.4	1.3	1.3	1.0	1.0	1.1	2.8	3.0
Retail trade 1/	363	3.2	3.3	4.2	4.3	5.5	5.6	5.9	6.0	3.8	3.8
Information	150	0.3	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4
Finance & ins.	(D)	3.1	2.6	2.6	2.5	2.8	2.9	2.9	2.9	2.9	3.0
Real estate & rental & leasing 1/	763	1.3	1.2	1.2	1.2	1.1	(3/)	(3/)	1.2	1.2	1.2
Prof., scientific & tech. services	12	0.2	0.1	0.1	0.1	0.3	0.2	0.4	0.5	0.5	0.6
Other industries 1/	(D)	17.6	14.5	14.1	13.8	15.6	(4/)	(4/)	21.9	22.4	22.9

D Withheld to avoid disclosing data for individual companies.

1/ 2015 revised from previous *Data Book*.

2/ Countries not shown individually are included in 'Other', specifically, 'Other Europe', 'Other Asia & Pacific' and 'Other'.

3/ Size ranges are given in employment cells that are suppressed. This size range is 1,000 to 2,499.

4/ 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 & Multinational Enterprises (MNEs), Foreign Direct Investment in the United States, Data on activities of multinational enterprises, Majority-Owned Bank and Nonbank U.S. Affiliates (data for 2007 and forward), Employment, "Employment by State and Country of UBO 2007-2016" ; "Employment by State and Industry 2007-2016" <<http://www.bea.gov/iTable/iTable.cfm?ReqID=2&step=1>> accessed January 25, 2019; and "Gross Property, Plant, and Equipment by State and Country 2007" and "Gross Property, Plant, and Equipment by State and Industry 2007" <<http://www.bea.gov/iTable/iTable.cfm?ReqID=2&step=1>> accessed January 5, 2017.

**Table 24.22-- FOREIGN DIRECT INVESTMENT IN ALL AFFILIATES:
2007 TO 2016**

[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, and data on 'Gross property, plant, and equipment' were not collected for 2008 to 2013]

Year	Gross property, plant, & equipment (million dollars)	Employment (1,000 employees)	Year	Gross property, plant, & equipment (million dollars)	Employment (1,000 employees)
2007	6,990	32.4	2012	(NA)	34.6
2008	(NA)	29.2	2013	(NA)	35.3
2009	(NA)	28.1	2014	15,896	38.1
2010	(NA)	28.5	2015 1/	10,984	38.3
2011	(NA)	31.1	2016	11,771	38.8

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 January 25, 2019.

BIBLIOGRAPHY

This volume is the 51st 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>.

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 2018*, 252 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, was issued in July 2019. The price per print copy is \$20.00 when picked up in person. The online version and archives of previous editions is available at <<https://www.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* <https://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 131th, 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 2018**

[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/	833	5/	5/	5/	5/
2013	5/	850	5/	5/	5/	5/
2014	5/	844	5/	5/	5/	5/
2015	5/	864	5/	5/	5/	5/
2016	5/	863	5/	5/	5/	5/
2017	5/	860	5/	5/	5/	5/
2018	5/	850	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.

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.

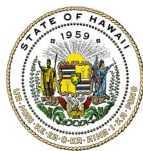
Electronic versions of the *Data Book* on CD-ROM were distributed on the Hawai'i Data Disc series. The first Hawai'i Data Disc, produced by the Research and Economic Analysis Division of DBEDT in 1993, contained the 1989 through 1992 *Data Books*. The 2002 Hawai'i Data Disc became available in September 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. Since 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://dbedt.hawaii.gov/economic/datawarehouse/>>.

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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