

State Population Total

1,415,872

City & County of Honolulu

974,563

Hawaii County

201,513



2019

The State of Hawaii

DATA BOOK

A Statistical Abstract



Kauai County

72,293

Maui County

167,503



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

2019

The State of Hawaii **DATA BOOK**

A Statistical Abstract

August 2020



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

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Bibliography

Table A. Printing History of the *State of Hawaii Data Book*
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This report was 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 Ashley Fossett, Research Statisticians. The Office of Planning GIS Program, DBEDT, produced the maps.

The report is available <https://dbedt.hawaii.gov/economic/databook/>.

ABOUT THIS EDITION

The Department of Business, Economic Development & Tourism (DBEDT) is pleased to present the 2019 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 52nd 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

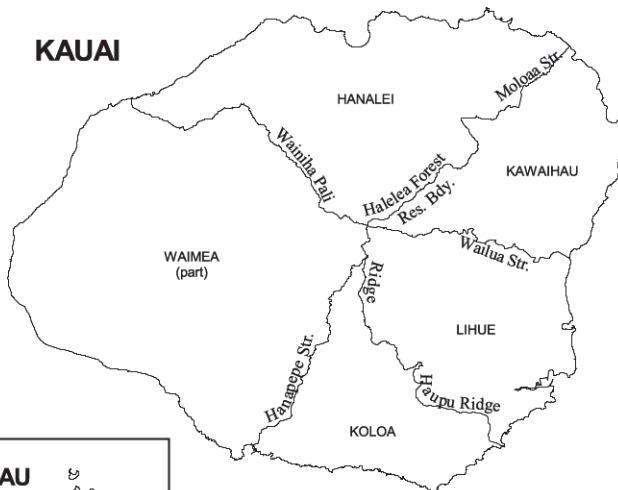
COUNTIES and DISTRICTS



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

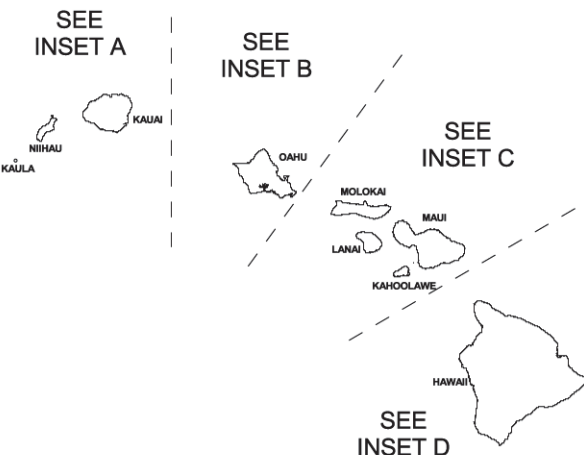
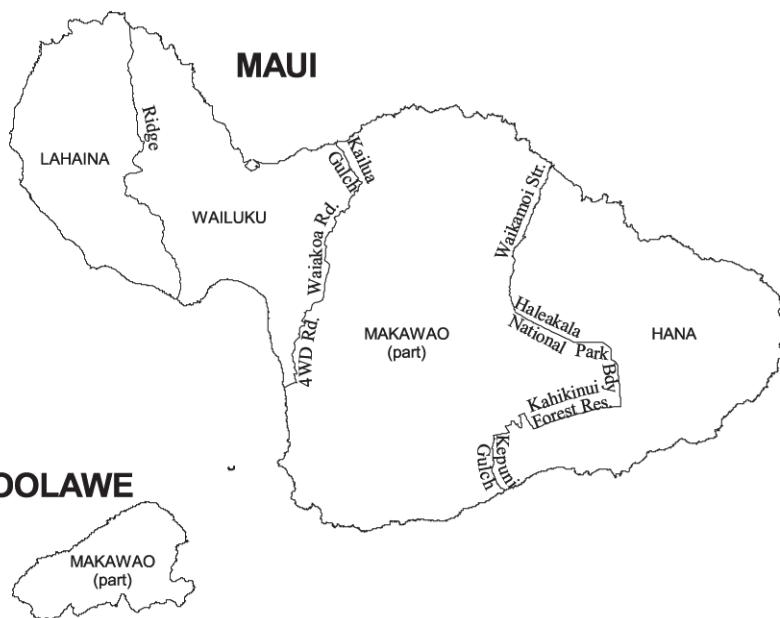


MOLOKAI

LANAI



KAHOOLAWE

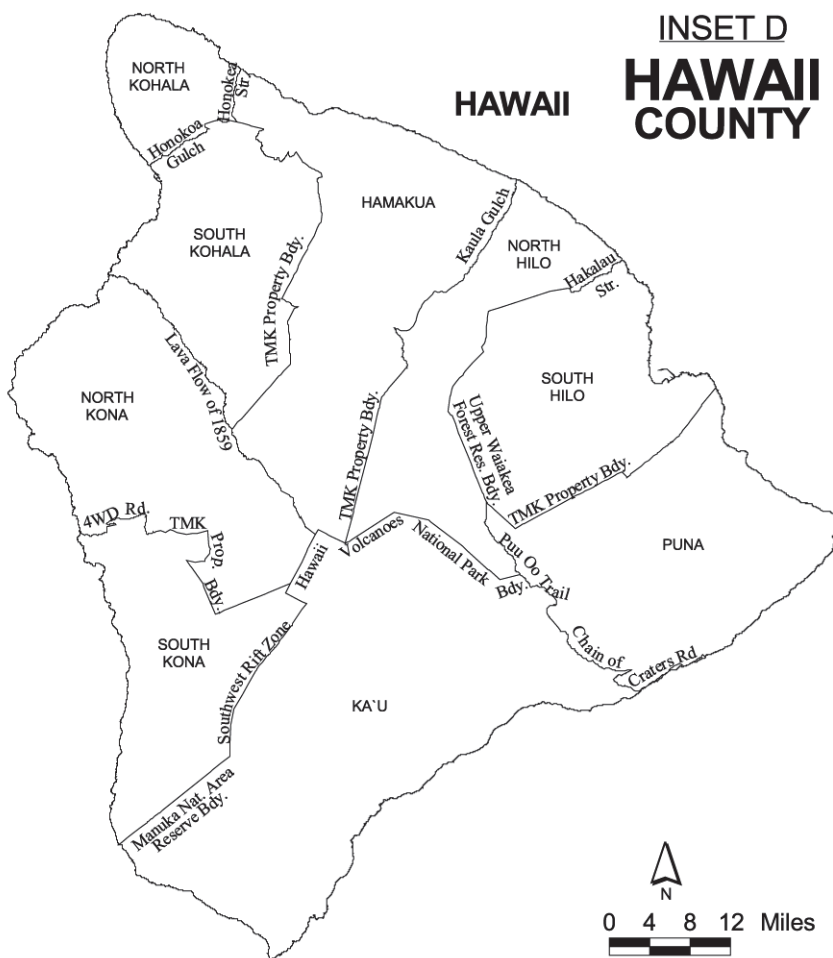


STATE OF HAWAII
DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT & TOURISM

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.

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 2019

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	40,802	1,319,505	65,063	1,254,442
July 1	1,363,963	39,375	1,324,588	62,322	1,262,266
2011: July 1	1,379,329	39,798	1,339,531	59,849	1,279,682
2012: July 1	1,394,804	43,082	1,351,722	60,271	1,291,451
2013: July 1	1,408,243	46,145	1,362,098	60,490	1,301,608
2014: July 1	1,414,538	47,202	1,367,336	63,228	1,304,108
2015: July 1	1,422,052	48,197	1,373,855	64,493	1,309,362
2016: July 1	1,427,559	47,581	1,379,978	64,342	1,315,636
2017: July 1	1,424,393	46,657	1,377,736	58,548	1,319,188
2018: July 1	1,420,593	45,277	1,375,316	60,383	1,314,933
2019: July 1	1,415,872	45,283	1,370,589	60,654	1,309,935

1/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of their 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 2020 and may differ somewhat from earlier figures cited in other tables.

2/ Calculated as the difference between "Total resident population" and "All civilians." Based on population estimate revisions released in June 2020 and may differ somewhat from earlier figures cited in other tables.

3/ Dependents living in Hawaii, regardless of location of family head. Based on the annual survey of local commanding officers and DBEDT estimates.

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.

Source: U.S. Census Bureau, Population Division, Population and Housing Unit Estimates, Tables SC-EST2019-SYASEX-15 and SC-EST2019-AGESEX-CIV (June 2020)

<<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 8, 2020; annual survey of local commanding officers (*Data Book* Table 1.22); and Department of Business, Economic Development & Tourism, "Population Estimates by Military Status by Single Years of Age for the State of Hawaii: 2010 to 2019"

<<https://census.hawaii.gov/home/population-estimate/>> accessed July 8, 2020 and calculations.

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	1,379,329	73,863	1,491,290	185,824	1.081
2012: July 1	1,394,804	75,985	1,520,086	201,267	1.090
2013: July 1	1,408,243	68,946	1,542,173	202,876	1.095
2014: July 1	1,414,538	64,898	1,555,857	206,217	1.100
2015: July 1	1,422,052	62,389	1,573,597	213,934	1.107
2016: July 1	1,427,559	63,093	1,582,141	217,675	1.108
2017: July 1	1,424,393	62,693	1,590,764	229,063	1.117
2018: July 1	1,420,593	65,647	1,595,288	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 2019 and may differ 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 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, Table ST-EST00INT-01 (September 2011) and Table NST-EST2019-01 (December 2019) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed December 31, 2019; Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual) <<https://www.hawaiiitourismauthority.org/research/annual-visitor-research-reports/>> accessed December 31, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.05-- RESIDENT POPULATION OF ISLANDS: 1970 TO 2014-2018

[Data for 2014-2018 are based on a sample and subject to sampling variability. They are average values over the 5-year period of 2014 to 2018. All others are from their respective decennial censuses]

Island	1970	1980	1990	2000	2010	2014-2018
State of Hawaii	769,913	964,691	1,108,229	1,211,537	1,360,301	1,422,029
Hawaii	63,468	92,053	120,317	148,677	185,079	197,658
Kahoolawe	-	-	-	-	-	-
Maui 1/	38,691	62,823	91,361	117,644	144,444	155,707
Lanai	2,204	2,119	2,426	3,193	3,135	2,826
Molokai 2/	5,261	6,049	6,717	7,404	7,345	6,823
Oahu 3/	630,497	762,534	836,231	876,151	953,207	987,638
Kauai	29,524	38,856	50,947	58,303	66,921	71,377
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 (75 for 2014-2018).

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 2014-2018 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. Census Bureau, decennial census records for 1970, 1980, 1990, 2000, and 2010; U.S. Coast Guard, records for Kure Atoll in 1990; and U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Table B01003 <<https://data.census.gov>> accessed February 13, 2020.

Table 1.06-- RESIDENT POPULATION, BY COUNTY: 2000 TO 2019

[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	1,360,307	953,206	185,076	67,095	154,930
July 1	1,363,963	956,285	185,363	67,205	155,110
2011: July 1	1,379,329	967,336	187,079	67,888	157,026
2012: July 1	1,394,804	977,994	189,161	68,671	158,978
2013: July 1	1,408,243	986,059	191,459	69,632	161,093
2014: July 1	1,414,538	987,414	193,711	70,288	163,125
2015: July 1	1,422,052	991,064	195,975	71,021	163,992
2016: July 1	1,427,559	992,268	198,316	71,537	165,438
2017: July 1	1,424,393	986,353	199,981	71,827	166,232
2018: July 1	1,420,593	979,858	201,509	72,168	167,058
2019: July 1	1,415,872	974,563	201,513	72,293	167,503

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, 2019 are based on revisions released in March 2020 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 86 in 2019.

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) (September 2011) and "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2019" (CO-EST2019-ANNRES) (March 2020) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed March 27, 2020.

Table 1.07 -- PERCENTAGE CHANGE IN RESIDENT POPULATION, BY COUNTY: 2000 TO 2019

[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	1.2	0.9	1.0	1.2
2012	1.1	1.1	1.1	1.2	1.2
2013	1.0	0.8	1.2	1.4	1.3
2014	0.4	0.1	1.2	0.9	1.3
2015	0.5	0.4	1.2	1.0	0.5
2016	0.4	0.1	1.2	0.7	0.9
2017	-0.2	-0.6	0.8	0.4	0.5
2018	-0.3	-0.7	0.8	0.5	0.5
2019	-0.3	-0.5	0.0	0.2	0.3
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 - 2019	0.4	0.2	0.9	0.8	0.9

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 March 2020 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, 2019" (CO-EST2019-ANNRES) (released March 2020) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed March 27, 2020; 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 2019**

[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	69.2	14.0	5.0	11.7
2018: July 1	69.0	14.2	5.1	11.8
2019: July 1	68.8	14.2	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, 2019 are based on revisions released in March 2020 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) (September 2011) and "Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2019" (CO-EST2019-ANNRES) (March 2020) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed March 27, 2020.

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. 2010 and later data revised from previous *Data Book*]

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	988,367	202,412	83,186	194,730
2011: July 1	1,491,290	1,001,509	205,716	85,195	198,870
2012: July 1	1,520,086	1,020,778	209,495	87,281	202,532
2013: July 1	1,542,173	1,032,428	212,685	89,574	207,486
2014: July 1	1,555,857	1,038,245	215,934	90,388	211,290
2015: July 1	1,573,597	1,046,734	219,889	92,269	214,705
2016: July 1	1,582,141	1,048,628	222,352	93,138	218,023
2017: July 1	1,590,764	1,047,095	227,746	95,011	220,912
2018: July 1	1,595,288	1,044,577	228,086	97,140	225,485

1/ Maui County includes Kalawao County.

Source: Estimations by the Hawaii State Department of Business, Economic Development & Tourism, based on U.S. Census Bureau, Population Division, Table CO-EST00INT-01-15 (September 2011) <<http://www.census.gov/popest/intercensal/county/CO-EST00INT-01.html>> accessed October 4, 2011; Table CO-EST2019-ANNRES-15 (March 2020) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 14, 2020; and Hawaii Tourism Authority, Tourism Research, *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 2014-2018

[Data for 2014-2018 are based on a sample and subject to sampling variability. Figures displayed are the average values over a 5-year period. Earlier data are from the decennial censuses. See maps for judicial district boundaries]

County and judicial district	April 1, 1990	April 1, 2000	April 1, 2010	2014-2018
State total	1,108,229	1,211,537	1,360,301	1,422,029
Hawaii County	120,317	148,677	185,079	197,658
Puna	20,781	31,335	45,326	46,768
South Hilo	44,639	47,386	50,927	52,936
North Hilo	1,541	1,720	2,041	1,510
Hamakua	5,545	6,108	6,513	6,672
North Kohala	4,291	6,038	6,322	6,045
South Kohala	9,140	13,131	17,627	19,855
North Kona	22,284	28,543	37,875	43,631
South Kona	7,658	8,589	9,997	10,768
Kau	4,438	5,827	8,451	9,473
Maui County 1/	100,504	128,241	154,924	165,356
Hana	1,895	1,855	2,291	1,642
Makawao	29,207	36,476	41,887	43,846
Wailuku	45,685	61,346	78,110	86,986
Lahaina	14,574	17,967	22,156	23,233
Lanai	2,426	3,193	3,135	2,826
Molokai	6,587	7,257	7,255	6,748
Kalawao	130	147	90	75
City & County of Honolulu	836,231	876,156	953,207	987,638
Honolulu	377,059	372,279	390,738	401,549
Koolaupoko	117,694	117,994	115,164	112,189
Koolauloa	18,443	18,899	21,406	20,738
Waialua	11,549	14,027	13,046	13,442
Wahiawa	43,886	38,370	41,216	44,706
Waianae	37,411	42,259	48,519	50,127
Ewa	230,189	272,328	323,118	344,887
Kauai County	51,177	58,463	67,091	71,377
Hanalei	4,631	6,348	7,828	6,232
Kawaihau	15,627	18,525	20,992	21,480
Lihue	10,663	12,022	14,683	18,272
Koloa	11,368	12,845	14,086	15,820
Waimea	8,888	8,723	9,502	9,573

1/ Including Kalawao County.

Source: U.S. Census Bureau, decennial census records and 2014-2018 American Community Survey 5-Year Estimates, Table B01003 <<https://data.census.gov>> access February 18, 2020.

Table 1.12-- RESIDENT POPULATION AND NUMBER OF HOUSEHOLDS, BY ISLAND AND CENSUS DESIGNATED PLACE: 2014-2018

[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 2014 to 2018]

Island and 2010 place	Resident population	House-holds	Island and 2010 place	Resident population	House-holds
Hawaii	197,658	68,412	Hawaii (con.)		
Ainaloa	3,342	1,158	Nanawale Estates	1,995	663
Captain Cook	3,987	1,152	Orchidlands Estates	3,197	1,033
Discovery Harbour	1,140	423	Paauilo	627	206
Eden Roc	799	305	Pahala	1,804	437
Fern Acres	1,601	590	Pahoa	896	319
Fern Forest	819	322	Papaikou	1,052	384
Halaula	626	169	Paukaa	569	242
Hawaiian Acres	2,981	956	Pepeekeo	1,536	590
Hawaiian Beaches	4,736	1,665	Puako	884	414
Hawaiian Ocean View	4,891	1,639	Volcano	3,218	1,405
Hawaiian Paradise Park	11,479	3,861	Waikoloa Village	6,412	2,428
Hawi	1,312	378	Waimea	11,687	3,280
Hilo	46,284	16,302	Wainaku	1,358	434
Holualoa	9,136	3,372	Waiohinu	290	99
Honalo	2,162	779			
Honaunau-Napoopoo	2,457	823	Maui	155,707	50,811
Honokaa	2,301	640	Haiku-Pauwela	8,061	2,942
Honomu	424	164	Haliimaile	977	308
Kahaluu-Keauhou	4,002	1,643	Hana	956	260
Kailua	15,268	4,674	Kaanapali	922	455
Kalaoa	11,604	4,117	Kahului	32,312	7,914
Kapaau	1,770	572	Kapalua	336	152
Keaau	2,493	696	Keokea	2,251	695
Kealahou	1,889	756	Kihei	21,879	8,001
Kukuihaele	349	99	Kula	7,541	2,906
Kurtistown	1,319	476	Lahaina	13,103	3,574
Laupahoehoe	508	200	Launiupoko	536	209
Leilani Estates	1,708	806	Maalaea	221	157
Mountain View	3,269	1,313	Mahinahina	954	350
Naalehu	972	286	Makawao	7,570	2,582

Continued on next page.

Table 1.12-- RESIDENT POPULATION AND NUMBER OF HOUSEHOLDS, BY ISLAND AND CENSUS DESIGNATED PLACE: 2014-2018 -- Con.

Island and 2010 place	Resident population	House-holds	Island and 2010 place	Resident population	House-holds
Maui (con.)			Oahu (con.)		
Makena	168	78	Kaneohe Station	11,075	2,548
Napili-Honokowai	7,258	2,772	Kapolei	21,474	5,649
Olinda	920	369	Kawela Bay	249	134
Olowalu	93	57	Ko Olina	1,625	702
Paia	2,412	723	Laie	6,111	855
Pukalani	7,769	2,866	Maili	10,792	2,657
Waihee-Waiehu	8,802	2,419	Makaha	8,740	2,302
Waikapu	3,483	995	Makaha Valley	1,636	511
Wailea	5,656	2,521	Makakilo	20,920	5,942
Wailuku	17,354	6,147	Maunawili	2,023	704
			Mililani Mauka	19,955	6,837
Lanai	2,826	1,143	Mililani Town	27,926	8,801
Lanai City	2,802	1,130	Mokuleia	1,807	738
Manele	24	13	Nanakuli	11,742	2,711
			Ocean Pointe	14,037	4,023
Molokai	6,823	2,367	Pearl City	46,129	13,987
Kaunakakai	3,719	1,242	Punaluu	1,186	396
Kualapuu	1,771	568	Pupukea	4,613	1,453
Maunaloa	365	124	Royal Kunia	14,449	3,894
Ualapue	368	137	Schofield Barracks	19,796	4,462
			Urban Honolulu	350,003	128,814
Oahu	987,638	311,525	Wahiawa	17,422	5,546
Ahuimanu	8,239	2,625	Waialua	3,587	1,129
Aiea	9,439	2,620	Waianae	14,054	3,201
East Honolulu	47,770	16,552	Waikane	482	163
Ewa Beach	14,717	3,050	Waikele	7,062	2,696
Ewa Gentry	25,752	7,264	Waimalu	13,384	5,499
Ewa Villages	7,118	1,658	Waimanalo	6,135	1,366
Halawa	14,640	4,077	Waimanalo Beach	3,826	986
Haleiwa	4,040	1,096	Waipahu	40,427	8,205
Hauula	3,549	837	Waipio	11,508	3,850
Heeia	4,669	1,497	Waipio Acres	5,443	1,847
Hickam Housing	9,258	2,583	West Loch Estate	5,177	1,535
Iroquois Point	3,550	1,051	Wheeler AFB	2,391	871
Kaaawa	1,181	415	Whitmore Village	4,254	1,028
Kahaluu	4,339	1,269			
Kahuku	2,245	557	Kauai	71,377	22,524
Kailua	36,662	12,436	Anahola	2,175	618
Kalaeloa	14	2	Eleele	2,970	810
Kaneohe	33,739	10,559	Haena	157	96

Continued on next page.

Table 1.12-- RESIDENT POPULATION AND NUMBER OF HOUSEHOLDS, BY ISLAND AND CENSUS DESIGNATED PLACE: 2014-2018 -- Con.

Island and 2010 place	Resident population	House-holds	Island and 2010 place	Resident population	House-holds
Kauai (con.)			Kauai (con.)		
Hanalei	267	120	Omao	1,445	465
Hanamaulu	5,422	1,170	Pakala Village	294	93
Hanapepe	2,870	860	Poipu	995	479
Kalaheo	5,224	1,655	Princeville	1,952	783
Kalihiwai	198	94	Puhi	3,911	956
Kapaa	10,544	3,552	Wailua	2,742	997
Kaunakani	874	228	Wailua Homesteads	5,900	2,039
Kekaha	3,394	1,075	Waimea	1,952	664
Kilauea	2,579	796	Wainiha	171	46
Koloa	2,859	866			
Lawai	2,211	809	Niihau	(1/)	(1/)
Lihue	7,381	2,365			

1/ Estimates for 2014-2018 are shown as 0; actually, there were no responses from the people surveyed on the island.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Tables B01003 and B08201 <<https://data.census.gov>> accessed July 8, 2020, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.13-- POPULATION AND PERCENTAGE CHANGE RANKINGS: 2010 AND 2019

[Population and rankings for 2010 based on April 1 estimates base. Population and rankings for 2019 based on July 1 population estimates]

Comparison	2010		2019		Percent change, 2010-2019	
	Population	Ranking 1/	Population	Ranking 1/	Change	Ranking 1/
Among the 50 states and D.C.						
State of Hawaii	1,360,307	40	1,415,872	40	4.1	26
Among counties 2/						
City and County of Honolulu	953,206	43	974,563	49	2.2	1,084
Hawaii County	185,076	334	201,513	336	8.9	456
Kalawao County	90	3,141	86	3,142	-4.4	2,399
Kauai County	67,095	782	72,293	753	7.7	526
Maui County	154,840	402	167,417	395	8.1	500
Among incorporated places 3/						
City and County of Honolulu	953,206	10				
Urban Honolulu CDP 4/	337,721	53	345,064	56	2.2	496
Among MSAs 5/						
Urban Honolulu MSA 6/	953,206	54	974,563	56	2.2	252
Kahului-Wailuku-Lahaina MSA 7/	8/ 154,840	8/ 259	167,417	258	8.1	128
Among Micropolitans 9/						
Hilo Micropolitan 10/	185,076	3	201,513	2	8.9	40
Kapaa Micropolitan 11/	67,095	8/ 106	72,293	93	7.7	54

Continued on next page.

Table 1.13-- POPULATION AND PERCENTAGE CHANGE RANKINGS: 2010 AND 2019 -- Con.

1/ Largest population ranked 1; greatest percent change ranked 1.

2/ There were 3,142 counties in 2019.

3/ Hawaii is the only state that has no incorporated places recognized by the U.S. Census Bureau. Urban Honolulu Census Designated Place (CDP) is the only subcounty area in Hawaii for which the Bureau provides population estimates annually. There were 780 incorporated places with a population of 50,000 or more in 2019. The City and County of Honolulu is also shown for inclusion in comparison rankings.

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

5/ Metropolitan Statistical Areas (MSAs) contains a core urban area of 50,000 or more population. There were 384 metropolitan statistical areas in 2019.

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

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

8/ Revised from previous *Data Book*.

9/ Micropolitan statistical areas contains an urban core of at least 10,000 (but less than 50,000) population. There were 542 micropolitan statistical areas in 2019.

10/ Hilo Micropolitan consists of Hawaii County.

11/ Kapaa Micropolitan consists of Kauai County.

Source: U.S. Census Bureau, Population Division <<https://www.census.gov/popest/data/index.html>> accessed June 30, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.14-- RESIDENT POPULATION FOR OAHU NEIGHBORHOODS:
2010 AND 2014-2018**

Neighborhood area 1/ (see maps)	2010 2/	2014-2018 3/	Percent change
Oahu total	911,841	987,638	8.3
1 Hawaii Kai	29,814	29,375	-1.5
2 Kuliouou-Kalani Iki	15,786	15,954	1.1
3 Waialae-Kahala	9,854	9,181	-6.8
4 Kaimuki	18,491	18,854	2.0
5 Diamond Head/Kapahulu/St. Louis Heights	17,598	18,642	5.9
6 Palolo	12,039	12,890	7.1
7 Manoa	21,114	24,548	16.3
8 McCully/Moiliili	25,734	27,791	8.0
9 Waikiki	20,095	17,681	-12.0
10 Makiki/Lower Punchbowl/Tantalus	29,733	31,697	6.6
11 Ala Moana/Kakaako	19,014	21,399	12.5
12 Nuuanu/Punchbowl	16,303	18,232	11.8
13 Downtown	15,620	13,037	-16.5
14 Liliha/Kapalama	19,766	22,844	15.6
15 Kalihi-Palama	38,113	43,146	13.2
16 Kalihi Valley	17,412	21,340	22.6
17 Moanalua	10,245	9,615	-6.1
18 Aliamanu/Salt Lake/Foster Village	35,969	39,174	8.9
19 Airport Area	20,626	23,559	14.2
20 Aiea	29,104	39,209	34.7
21 Pearl City	47,879	39,561	-17.4
22 Waipahu	61,879	74,266	20.0
23 Ewa	59,877	72,799	21.6
24 Waianae Coast 4/	43,420	26,648	-38.6
25 Mililani/Waipio/Melemanu	37,419	33,369	-10.8
26 Wahiawa	38,690	45,066	16.5
27 North Shore	17,724	18,080	2.0
28 Koolauloa	14,156	16,100	13.7
29 Kahaluu	13,891	13,178	-5.1
30 Kaneohe	33,788	38,591	14.2
31 Kailua	43,876	39,357	-10.3
32 Waimanalo	11,141	9,988	-10.3
33 Mokapu	11,513	11,075	-3.8
34 Makakilo/Kapolei/Honokai Hale	35,697	47,958	34.3
35 Mililani Mauka-Launani Valley	18,461	19,955	8.1
36 Nanakuli-Maili 4/	(4/)	23,479	(4/)

Continued on next page.

**Table 1.14-- RESIDENT POPULATION FOR OAHU NEIGHBORHOODS:
2010 AND 2014-2018 -- 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 2014-2018 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 2014 and 2018.

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 Planning and Permitting Department, Planning Division, calculations and 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.

2008 NEIGHBORHOOD AREAS

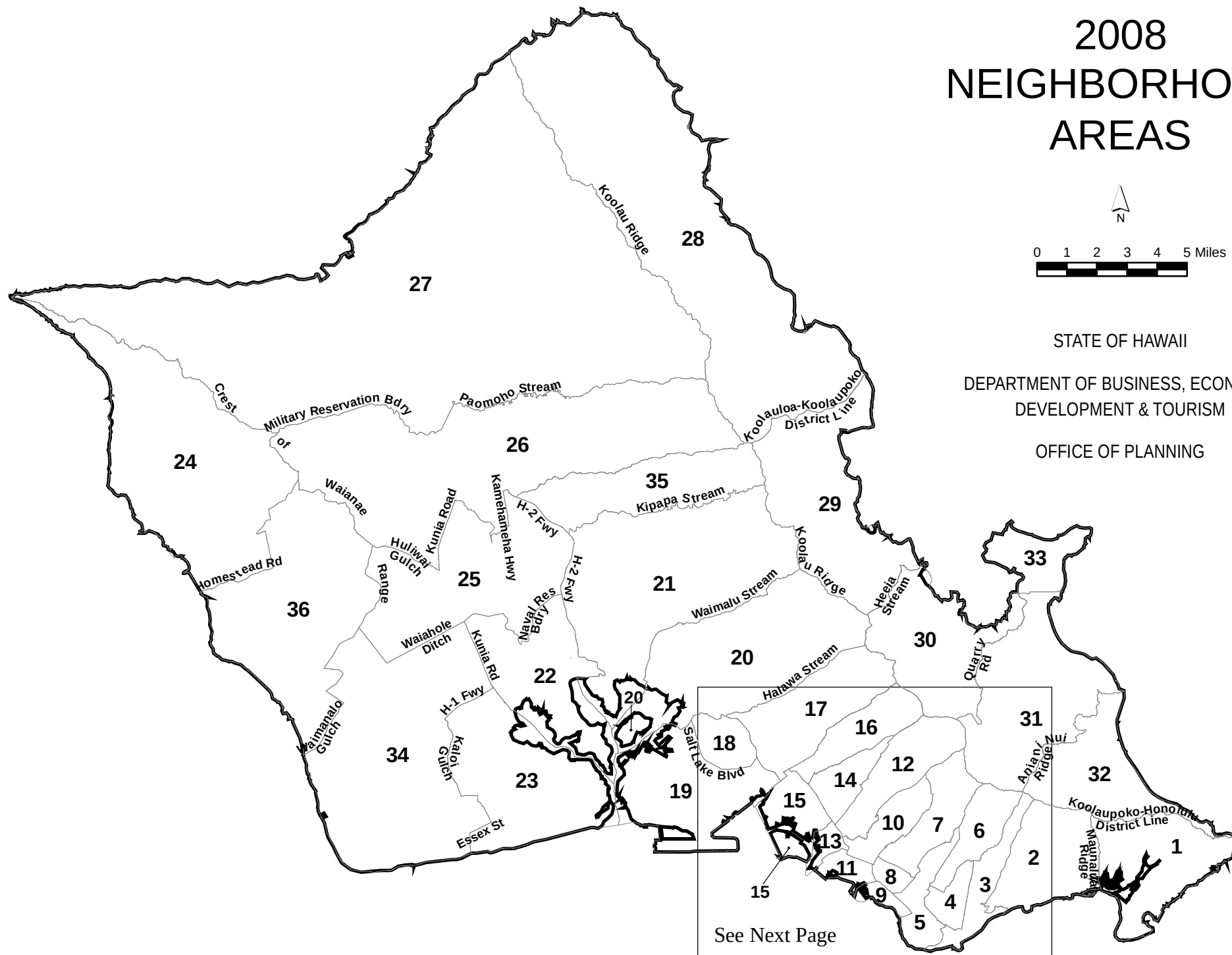


0 1 2 3 4 5 Miles

STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT & TOURISM

OFFICE OF PLANNING



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

2008 NEIGHBORHOOD AREAS



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.

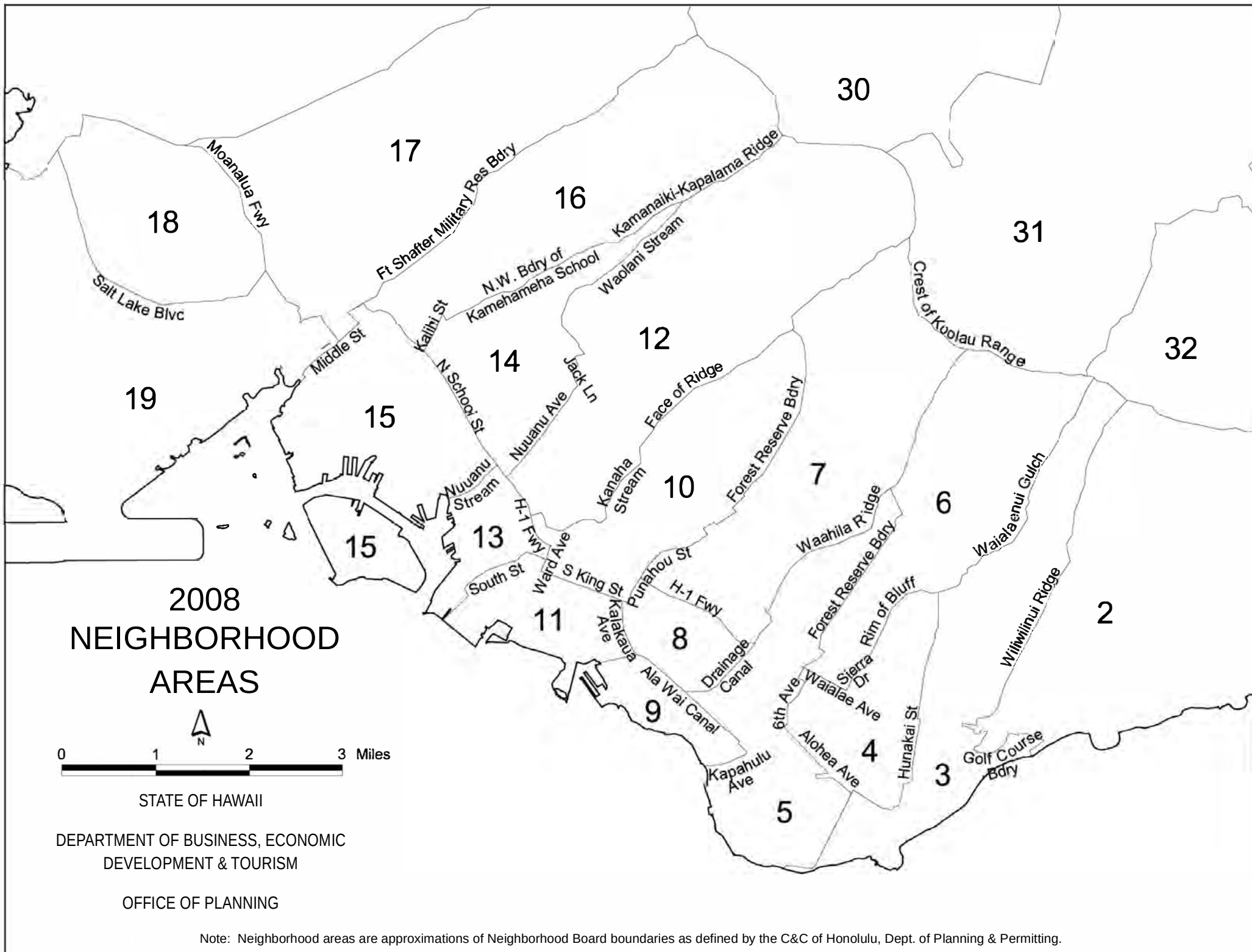


**Table 1.15-- POPULATION CHARACTERISTICS OF OAHU NEIGHBORHOODS:
2014-2018**

[Based on the Census Bureau's 2014-2018 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 2014 and 2018]

Neighborhood area (see maps) 1/	Resident population	Households	Average household size	Average family size
Oahu total	987,638	311,525	3.05	3.78
1 Hawaii Kai	29,375	10,406	2.82	3.23
2 Kuliouou-Kalani Iki	15,954	5,201	3.04	3.46
3 Waialae-Kahala	9,181	3,647	2.50	3.14
4 Kaimuki	18,854	6,160	2.99	3.57
5 Diamond Head/Kapahulu/St. Louis Heights	18,642	7,412	2.50	3.30
6 Palolo	12,890	4,173	3.05	3.75
7 Manoa	24,548	6,936	2.86	3.56
8 McCully/Moiliili	27,791	12,700	2.13	3.05
9 Waikiki	17,681	10,373	1.68	2.46
10 Makiki/Lower Punchbowl/Tantalus	31,697	15,937	1.96	2.95
11 Ala Moana/Kakaako	21,399	11,096	1.92	2.73
12 Nuuanu/Punchbowl	18,232	6,344	2.83	3.56
13 Downtown	13,037	7,024	1.84	2.69
14 Liliha/Kapalama	22,844	6,471	3.30	4.04
15 Kalihi-Palama	43,146	10,997	3.68	4.50
16 Kalihi Valley	21,340	4,391	4.77	5.25
17 Moanalua	9,615	3,128	2.92	3.54
18 Aliamanu/Salt Lake/Foster Village	39,174	12,138	3.18	3.85
19 Airport	23,559	6,152	3.27	3.44
20 Aiea	39,209	12,774	3.00	3.66
21 Pearl City	39,561	11,700	3.19	3.85
22 Waipahu	74,266	18,850	3.85	4.50
23 Ewa	72,799	19,191	3.78	4.25
24 Waianae Coast 2/	26,648	6,435	3.98	4.75
25 Mililani/Waipio/Melemanu	33,369	10,648	3.13	3.65
26 Wahiawa	45,066	12,171	3.31	3.78
27 North Shore	18,080	5,587	3.19	3.80
28 Koolauloa	16,100	3,495	4.05	4.79
29 Kahaluu	13,178	4,146	3.16	3.77
30 Kaneohe	38,591	12,131	3.12	3.65
31 Kailua	39,357	13,140	2.93	3.46
32 Waimanalo	9,988	2,352	4.23	4.76
33 Mokapu	11,075	2,548	3.00	3.08

Continued on next page.

**Table 1.15-- POPULATION CHARACTERISTICS OF OAHU NEIGHBORHOODS:
2014-2018 -- Con.**

Neighborhood area (see maps) 1/	Resident population	Households	Average household size	Average family size
34 Makakilo/Kapolei/Honokai Hale	47,958	13,211	3.55	4.10
35 Mililani Mauka-Launani Valley	19,955	6,837	2.92	3.45
36 Nanakuli-Maili 2/	23,479	5,623	4.00	4.74

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, calculations and 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: 2014-2018

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2014 to 2018]

Island and 2010 census tract	Name	Resident population	Households
State total		1,422,029	456,782
Oahu		987,638	311,525
1.06	Hahaione-Mariners Ridge	7,997	3,145
1.07	Kuapa Isle	2,678	848
1.08	Hawaii Kai Marina	2,951	1,210
1.10	Kalama Valley	4,184	1,387
1.11	Lunalilo Park Subdivision	4,605	1,413
1.12	Koko Marina	5,398	1,929
1.14	Portlock	1,562	474
2	Kuliouou	5,364	1,686
3.01	Aina Haina-Hawaii Loa Ridge	3,163	1,051
3.02	Wailupe	2,920	900
4.01	Waialae Nui Ridge-Ainakoa	2,441	945
4.02	Waialae Iki	3,687	1,265
5	Waialae-Kahala	3,610	1,298
6	Diamond Head	1,319	486
7	Kaimuki: 22nd Avenue	3,171	1,011
8	Kaimuki: Kapiolani Community College	3,417	1,159
9.01	Waialae Nui Valley	2,631	1,217
9.02	Maunalani Heights	4,171	1,373
9.03	Lower Wilhelmina	3,023	1,008
10	Upper Palolo	3,443	1,046
11	Central Palolo	3,415	1,124
12.01	Waialae Avenue-Pukele Avenue	3,227	1,062
12.02	Lower Palolo	2,805	941
13	Kaimuki: 6th Avenue	4,556	1,539
14	Kapaolono Field	2,716	876
15	Upper Kapahulu	3,267	1,153
16	Lower Kapahulu	3,901	1,308
17	Kapiolani Park	1,762	1,009
18.01	Koa Avenue	1,042	619
18.03	Tusitala Street	2,730	1,638
18.04	Jefferson School	1,371	765
19.01	Waikiki Beach	245	164
19.03	Ena Road	2,925	1,504
19.04	Hobron Lane	2,964	1,935

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2014-2018 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
20.03	Seaside Avenue	1,813	988
20.04	International Market Place	1,220	707
20.05	Ala Wai-Niu Street	1,658	1,020
20.06	Ala Wai-Olohana Street	1,713	1,033
21	Olokele Avenue	3,494	1,694
22.01	Kamoku Street-Iolani School	3,585	1,752
22.02	Ala Wai Park-Lauiki Street	3,539	1,535
23	Moiiliili	5,578	2,584
24.01	Lower McCully	3,412	1,443
24.02	Upper McCully	3,266	1,619
25	Lower Pawaa	4,033	1,920
26	Bingham Tract	4,378	1,847
27.01	UH Manoa Campus	5,554	573
27.02	Punahou School	5,360	1,938
28	St. Louis Heights	4,018	1,442
29	East Manoa	2,355	906
30	Judd Hillside-Lowrey Avenue	4,719	1,541
31.01	Woodlawn	4,351	1,344
31.02	Upper Manoa	3,493	1,096
32	Round Top-Tantalus	760	307
33	Makiki Heights	1,307	418
34.03	Thurston Street	5,426	2,746
34.04	Makiki Fire Station	4,612	2,235
34.05	Poki Street	3,522	1,906
34.06	Lower Makiki	5,859	2,947
34.07	Maryknoll School	920	538
35.01	Academy of Arts	2,475	1,284
35.02	Upper Pawaa	3,963	2,215
36.01	Sheridan Street	3,815	1,885
36.03	Ahana Street	2,958	1,705
36.04	Kaheka Street-Makaloa Street	2,282	1,286
37	Ala Moana	6,569	3,290
38	Kakaako	5,775	2,930
39	Civic Center	261	244
40	Financial District	1,245	696
41	Queen's Hospital	4,287	2,273
42	Queen Emma Gardens	3,262	1,799
43	Punchbowl	5,630	2,259
44	Pauoa	5,634	1,557

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2014-2018 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
45	Dowsett Highlands	6,007	2,249
46	Puunui-Waokanaka Street	4,018	1,193
47	Alewa-Kawananakoa	4,857	1,478
48	Kamehameha Heights	6,990	1,633
49	Lanakila	3,398	917
50	Kuakini	4,542	1,529
51	Foster Botanical Garden	3,077	1,584
52	Chinatown	2,474	1,307
53	Aala	4,149	1,594
54	Mayor Wright Housing	1,468	432
55	Palama	2,162	623
56	Kapalama	7,280	1,917
57	Iwilei-Anuenue	2,541	912
58	Waiakamilo Road	3,199	1,038
59	Mokauea Street	3,588	542
60	Umi Street	6,858	1,295
61	Kalihi Waena	4,053	817
62.01	Kam IV Road	6,372	1,487
62.02	Linapuni Street	1,476	340
63.01	Kalihi Valley Park	4,413	823
63.02	Kalena Drive	3,013	622
64.01	Gulick Avenue-Likelike	2,505	419
64.02	Kamanaiki Street	6,630	1,451
65	Upper Kalihi Valley	4,779	1,076
66	Kahauiki Street	738	155
67.01	Tripler-Moanalua	6,236	1,825
67.02	Red Hill	2,641	1,148
68.02	Aliamanu	8,453	1,650
68.04	Aliamanu Crater	5,470	1,540
68.05	Salt Lake Country Club	6,199	2,455
68.06	Ala Lilikoi	1,935	566
68.08	Ala Ilima Mauka	4,724	1,965
68.09	Ala Ilima Makai	5,678	2,061
69	Arizona Road	4,153	1,169
70	Navy Marine Golf Course	4,319	1,560
71	Nimitz Elementary School	3,344	921
73.02	Hangar Avenue-Vickers Avenue	5,482	1,662
73.03	Hickam Air Force Base	432	-
74	Ford Island	5,213	836

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2014-2018 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
75.02	Halawa Valley	786	3
75.03	Halawa Heights	5,222	1,534
75.04	Aloha Stadium	3,366	831
75.05	Foster Village	5,908	1,709
75.06	Red Hill Military Housing	807	192
77.01	Lower Aiea	4,368	1,145
77.02	Aiea Heights	5,071	1,475
78.04	Lower Pearl City	2,280	575
78.05	Waiau Townhouses	4,724	1,635
78.07	Pearl Ridge High Rise	5,161	2,711
78.08	Pearlridge Center	3,615	1,108
78.09	Newtown	3,433	1,106
78.10	Royal Summit	5,840	1,868
78.11	Pearl Country Club	4,608	1,680
80.01	Hale Mohalu Hospital	2,207	780
80.02	Lower Waiau	3,092	764
80.03	Manana	4,387	1,657
80.05	Pacific Palisades	6,736	1,905
80.06	Pearl City	4,237	1,444
80.07	Pearl City Highlands	5,783	1,555
83.01	Iroquois Point	4,951	1,393
83.02	Campbell High School	6,908	1,264
84.02	Ewa Beach	7,809	1,786
84.05	Holomua School	4,296	1,154
84.06	Hawaii Prince Golf Course	7,052	1,725
84.07	Ocean Pointe	4,007	1,103
84.08	Hoakalei Country Club	8,391	2,489
84.10	Coral Creek Golf Course	4,831	1,339
84.11	Geiger Road	3,601	1,151
84.12	Ewa Gentry	7,611	2,326
85.02	Kalaeloa	2,666	628
86.06	Kapolei Golf Course	12,017	2,915
86.09	Ko Olina-Honokai Hale	2,022	600
86.10	Ko Olina Resort	876	392
86.11	Kahe	-	-
86.12	Upper Makakilo	6,323	2,013
86.13	Makakilo: Wainohia Street	931	213
86.14	Kunia West	10,583	3,087
86.17	Ewa Villages	10,324	2,673

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2014-2018 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
86.22	Lower Makakilo	4,490	1,015
87.01	Leeward Community College	8,232	1,700
87.02	St. Joseph School	5,772	1,602
87.03	West Loch	7,313	1,635
88	Managers Drive	8,917	1,519
89.06	Mililani Golf Course	3,814	1,284
89.07	Mililani High School	4,204	1,260
89.08	Mililani Marketplace	5,907	1,803
89.09	Mililani District Park	4,132	1,272
89.12	August Ahrens School	2,968	458
89.13	Robinson Heights	4,232	784
89.14	Honowai School	5,412	1,169
89.15	Waipio Acres	5,443	1,847
89.17	Mililani Town Center	4,510	1,485
89.18	Mililani: Nob Hill	5,359	1,697
89.20	Waipio Gentry	4,392	1,509
89.21	Waipio	2,617	571
89.22	Waikele	7,062	2,696
89.23	Seaview	4,695	1,795
89.24	Royal Kunia	7,371	2,014
89.25	Village Park	7,078	1,880
89.26	Laulani Valley-Mililani Technology Park	1,745	720
89.27	Koolani Drive	5,116	1,606
89.28	Mililani Mauka Middle School	3,985	1,127
89.29	Mililani Mauka-Meheula Parkway	3,996	1,821
89.30	Mililani: Ainamakua Drive	2,244	772
89.31	Waiawa	3,313	791
90	Wheeler-East Range	2,391	871
91	Kaukonahua Road	5,083	1,174
92	Wahiawa Mauka	8,001	2,323
93	Wahiawa Waena	4,530	1,521
94	Wahiawa Makai	4,905	1,702
95.01	Kolekole Avenue	6,100	1,634
95.02	Menoher Street	4,722	1,297
95.03	Foote Avenue	4,116	322
95.04	Leilehua Avenue	1,295	403
95.07	Schofield: McCarthy Field	3,563	806
96.03	Maili	11,375	2,805
96.08	Lualualei Transmitter	4,997	1,240

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2014-2018 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
97.01	Waianae Kai	6,474	1,648
97.03	Lualualei-Camp Waianae	6,892	1,608
97.04	Lualualei: Halona Road	3,538	670
98.01	Makua Valley	2,598	984
98.02	Makaha	7,146	1,525
99.02	Haleiwa	3,884	1,025
99.04	Kaena Point	5,683	1,835
100	Kawailoa	3,875	1,262
101	Waimea-Kahuku	7,191	2,169
102.01	Hauula-Kaaawa	5,411	1,516
102.02	Laie	8,136	1,275
103.03	Kahaluu-Waikane	3,965	1,292
103.05	Ahuimanu	4,739	1,317
103.06	Haiku	5,974	2,067
103.08	Kapunahala	3,386	1,030
105.03	Kaneohe District Park	1,767	519
105.04	Waikalua Road	4,561	1,317
105.05	Heeia Kea	3,352	1,042
105.07	Kahuhipa Street	5,276	1,699
105.08	Lilipuna Road	2,382	967
106.01	Puohala	3,361	998
106.02	Castle High School-Halekou Road	5,324	1,566
107.01	Kokokahi	4,067	1,305
107.02	Mokulele Drive	3,615	1,158
108.01	Mokapu West	3,779	753
108.02	Mokapu East	7,296	1,795
109.01	Kalaheo Hillside	2,896	968
109.03	Oneawa Street-Kawainui	3,706	1,374
109.04	Maluniu Avenue	2,934	1,025
109.05	Ulupaina Street	2,428	865
110	Maunawili	4,087	1,120
111.03	Olomana	3,771	1,148
111.04	Enchanted Lakes	4,579	1,473
111.05	Kailua Town	3,163	1,395
111.06	Keolu	5,974	1,761
112.01	Kalaheo Avenue	4,319	1,472
112.02	Lanikai	1,500	539
113	Waimanalo	6,135	1,366
114	Waipio Peninsula	3,586	736

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2014-2018 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Oahu (con.)			
115	Kapolei	9,457	2,734
9400.01	Waimanalo Beach-Homesteads	3,826	986
9400.02	Nanakuli	7,107	1,578
9800	Hanauma Bay	-	-
9802	Honolulu International Airport	612	-
9803	Campbell Industrial Park	-	-
9806	Schofield Forest Reserve	-	-
9807	Schofield Barracks East Range	-	-
9808	Hoomaluhia Botanical Garden	-	-
9810	Kawainui Marsh	-	-
9811	Bellows Air Force Base	27	-
9813	Mapunapuna Industrial	-	-
9814	Nimitz-Airport Commercial	4	4
Northwestern Hawaiian Islands		-	-
9812	Northwestern Hawaiian Islands	-	-
Hawaii		197,658	68,412
201	Paukaa-Wailea	4,162	1,632
202.02	Hilo: Upper Waiakea Forest Reserve	2,565	649
203	Hilo: Puueo-Downtown	4,270	1,667
204	Hilo: Villa Franca-Kaikoo	3,522	1,303
205	Hilo: University-Houselots	6,842	2,260
206	Hilo: Keaukaha-Panaewa	5,792	1,856
207.01	Hilo: Puainako	4,461	1,856
207.02	Hilo: Kawaihina	4,864	1,712
208.01	Hilo: Kahuku-Kaumana	5,182	1,576
208.02	Hilo: Piihonua-Kaumana	6,507	2,331
209	Hilo: Haihai	4,769	1,690
210.03	Orchidland-Ainaloa	7,169	2,444
210.05	Hawaiian Paradise Park	11,148	3,785
210.10	Upper Puna (Puna Mauka)	8,298	3,131
210.11	Volcano-Mt. View	3,969	1,496
210.13	Keaau	4,969	1,676
211.01	Kalapana-Kapoho	3,359	1,689
211.06	Pahoa	7,856	2,806
212.02	Kau	9,473	3,060
213	South Kona	6,977	2,271
214.02	Konawaena	3,791	1,338

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2014-2018 -- Con.

Island and 2010 census tract	Name	Resident population	Households
Hawaii (con.)			
215.02	Hualalai	4,220	1,616
215.04	Kealakehe	5,120	1,355
215.07	Kalaoa	10,044	3,534
215.09	Kaumalumalu-Keauhou	5,646	2,212
216.01	Kailua	9,943	3,244
216.04	Holualoa	8,658	3,112
217.02	Waimea-Puu Anahulu	11,832	3,359
217.04	Kawaihae-Waikoloa	8,023	3,136
218	North Kohala	6,045	2,013
219.02	Honokaa-Kukuihaele	4,152	1,184
220	Paauhau-Paauilo	2,520	834
221.02	North Hilo	1,510	585
Maui		155,707	50,811
301	Hana	1,642	498
302.01	Huelo	2,173	818
302.02	Haiku	7,760	2,769
303.01	Kula	9,776	3,604
303.03	Wailea	3,701	1,679
304.02	Pukalani	8,390	3,140
304.03	Makawao	4,068	1,297
304.04	Haliimaile	5,552	1,907
305.01	Paia	2,426	727
307.05	Kihei Mauka	4,179	1,001
307.06	Kealia	2,606	1,000
307.07	Waipuilani	8,752	3,146
307.08	Halama	2,983	1,070
307.09	Kamaole	3,359	1,784
307.10	Keawakapu	2,069	891
308	Waihee-Waikapu	7,427	2,252
309.01	West Central Wailuku	2,719	1,069
309.02	East Central Wailuku	3,619	1,279
309.03	North Wailuku	7,071	1,724
310	South Wailuku	9,373	3,378
311.01	West Kahului	9,373	2,196
311.02	Central Kahului	6,155	1,624
311.03	Southeast Kahului	10,679	2,491
314.02	Kahoma	2,932	893
314.04	Lahaina	3,855	1,254

Continued on next page.

Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2014-2018 -- Con.

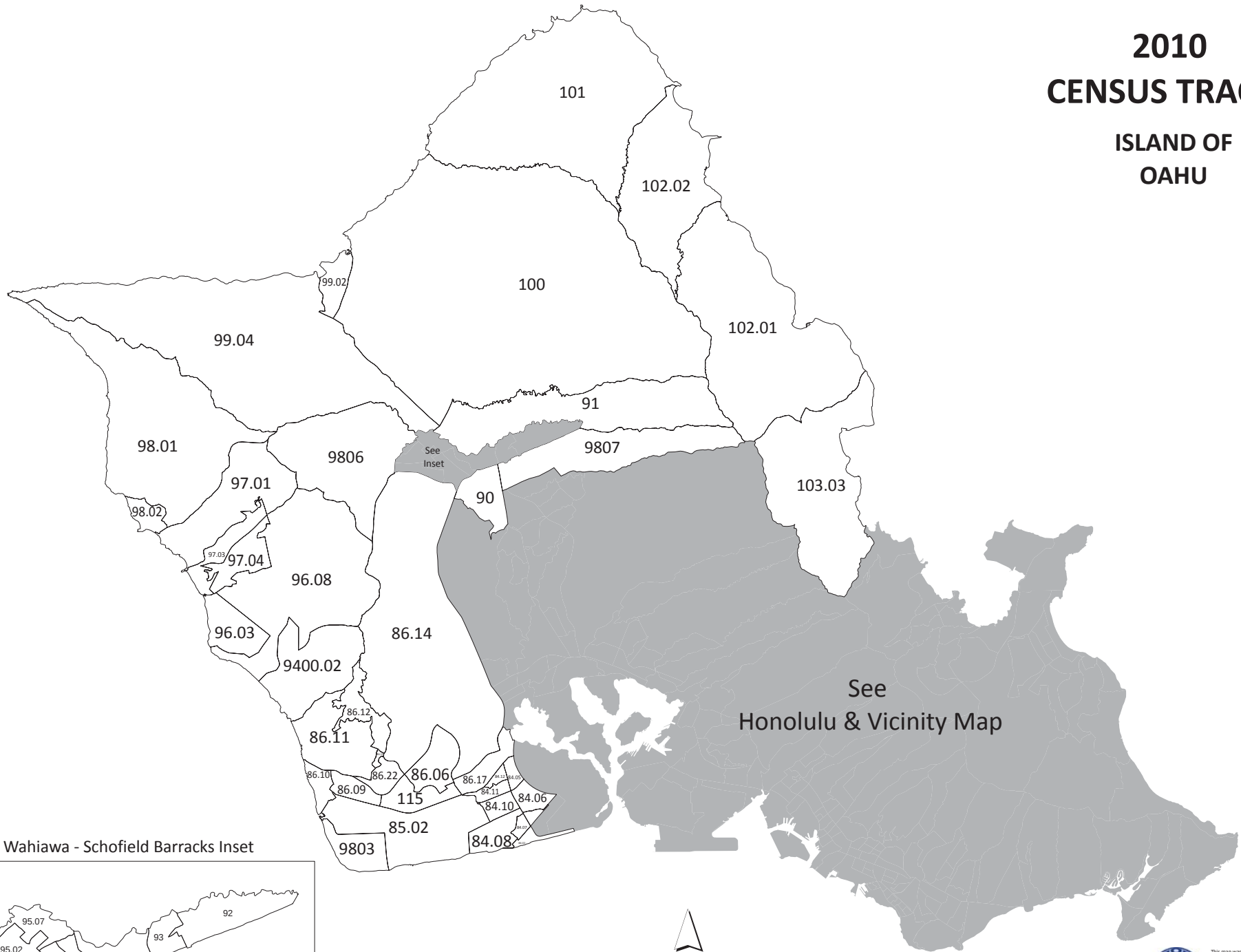
Island and 2010 census tract	Name	Resident population	Households
Maui (con.)			
314.05	Lahainaluna	6,316	1,427
315.01	Kapalua	2,215	726
315.02	Honokahua	4,947	1,996
315.03	Honokowai	2,339	1,038
319	Spreckelsville	6,401	1,710
320	Launiupoko	850	423
9800	Kahoolawe	-	-
Lanai		2,826	1,143
316.01	Lanai	2,826	1,143
Molokai		6,823	2,367
317	East Molokai	4,380	1,513
318.01	West Molokai	2,368	807
319	Kalawao	75	47
Kauai		71,377	22,524
401.03	Princeville-Kilauea	5,450	1,888
401.04	Haena-Hanalei	782	311
402.04	Wailua Houselots	6,129	1,995
402.05	Wailua Homesteads	4,087	1,563
403	Kapaa	7,926	2,615
404	Puhi-Hanamaulu	11,060	2,666
405	Lihue	7,212	2,266
406.03	Koloa-Poipu	3,105	1,035
406.04	Omao-Kukuiula	3,469	1,233
407	Eleele-Kalaheo	9,246	2,877
408	Kaumakani-Hanapepe	4,049	1,186
409	Kekaha-Waimea	5,524	1,789
9400	Anahola	3,338	1,100
Niihau and Kaula		(1/)	(1/)
412	Niihau-Kaula	(1/)	(1/)

1/ In the source 2014-2018 estimate table, the population was shown as zero. There were, however, actually no responses from the people surveyed on that island.

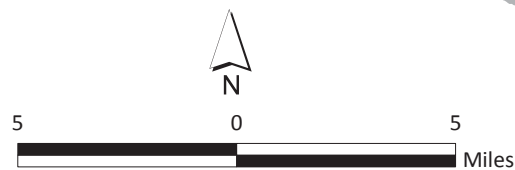
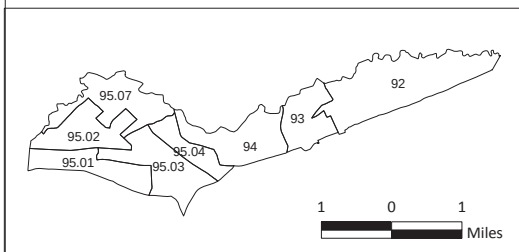
Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Tables DP02 <<https://data.census.gov>> accessed April 29, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

2010 CENSUS TRACTS

ISLAND OF OAHU

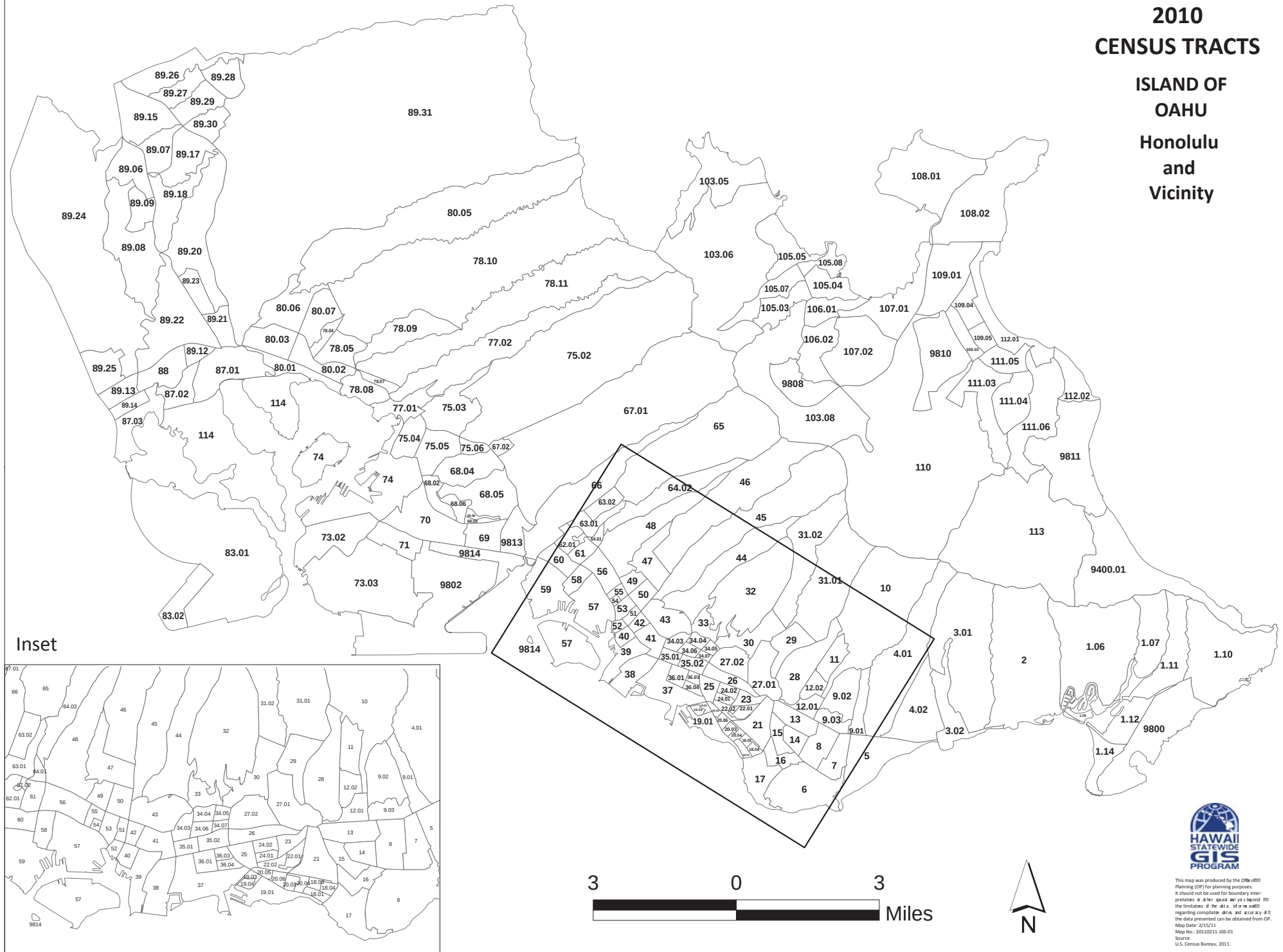


Wahiawa - Schofield Barracks Inset



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: 2/15/11
Map No.: 2010211-09-02
Source: U.S. Census Bureau, 2011.

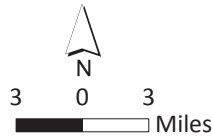
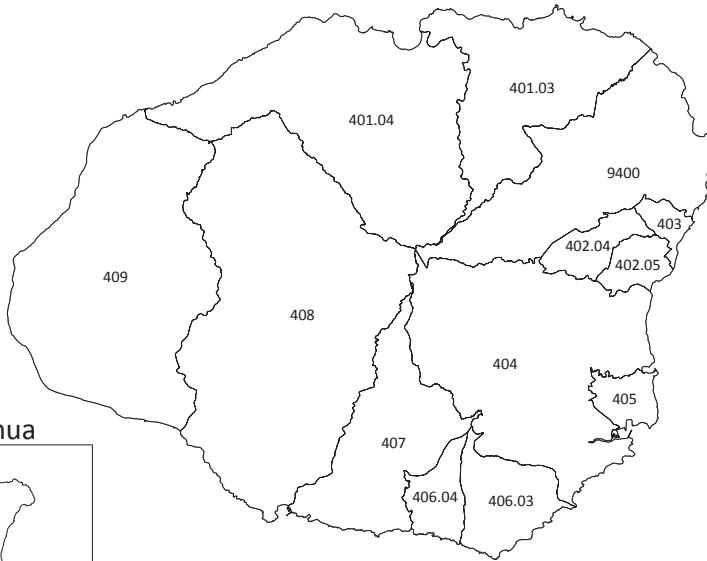
**ISLAND OF
OAHU
Honolulu
and
Vicinity**



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

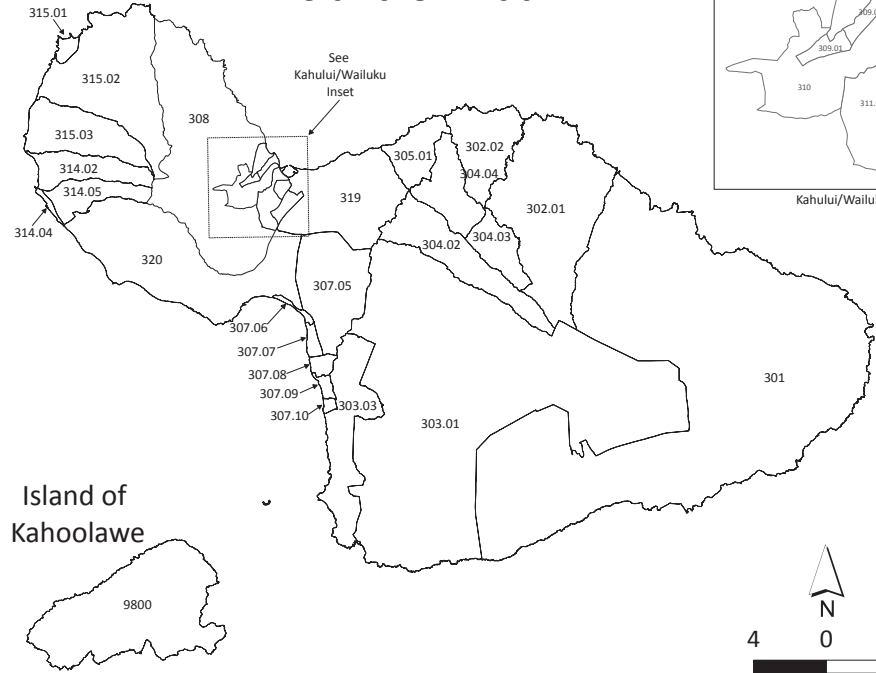
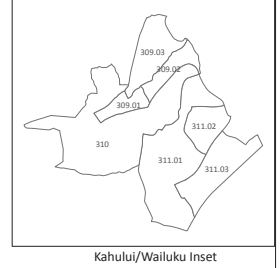
Island of Kauai

Islands of Niihau & Lehua

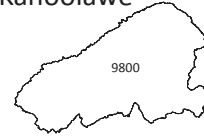


Note: Census Tract 412 includes the island of Kaula (not shown).

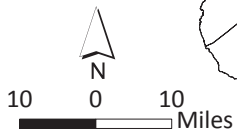
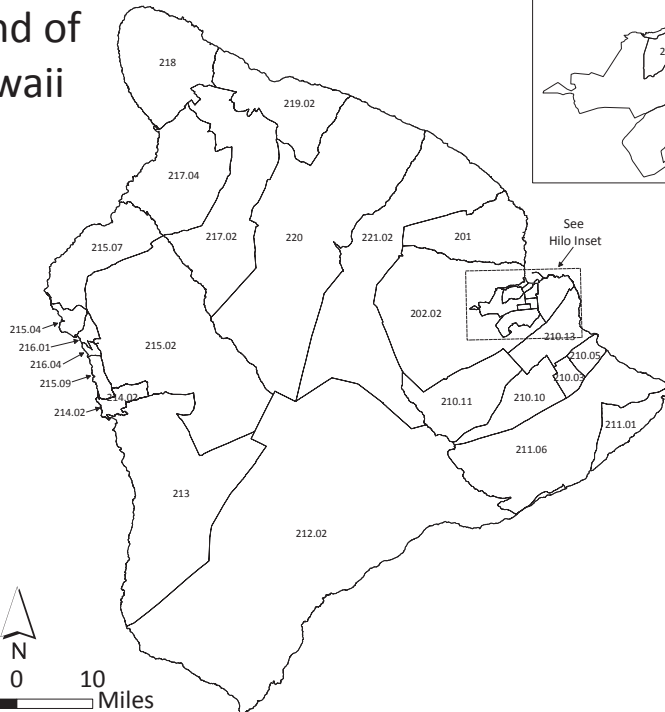
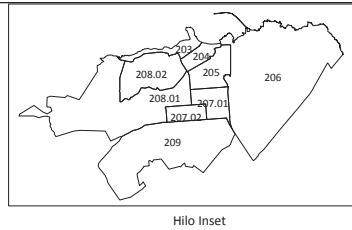
Island of Maui



Island of Kahoolawe



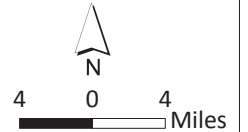
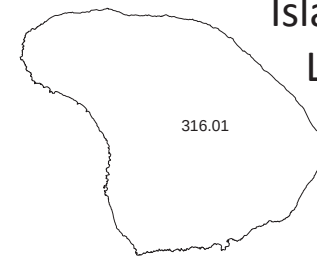
Island of Hawaii



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: 2014-2018**

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period 2014 to 2018]

Island and Hawaiian Home Lands	Total	Island and Hawaiian Home Lands	Total
State of Hawaii	36,090	Kauai	2,436
Hawaii	6,671	Anahola (Agricultural)	200
Homuula-Upper Piihonua	2	Anahola (Residential)	1,670
Honokaia	-	Hanapepe	11
Honomu	-	Kapaa	-
Kamaoa-Puueo	11	Kekaha	555
Kamoku-Kapulena	36	Moloaa	-
Kaohe-Olaa	-	Wailua	-
Kaumana	134	Waimea	-
Kawaihae	587	Lanai	90
Keahuolu	-	Lanai City	90
Kealakehe	1,043	Maui	4,375
Keaukaha	1,693	Honokowai	-
Keoniki	-	Kahikinui	-
Kolaoa	-	Keanae-Wailua	13
Lalamilo	63	Keokea (Agricultural)	165
Makuu	57	Leialii	568
Nienie	-	Paukukalo	845
Panaewa (Agricultural)	649	Pulehunui	-
Panaewa (Residential)	1,327	South Maui	-
Pauahi	-	Waiehu	1,507
Piihonua	92	Waiku-Hana	-
Ponohawaii	16	Waiohuli (Residential)	1,277
Puukapu	961	Molokai	1,953
Upolu	-	Hoolehua-Palaaau	1,191
Waiakea	-	Kalamaula	421
Wailau	-	Kalaupapa	75
Waimanu	-	Kamiloloa-Makakupaia	77
Waiohinu	-	Kapaakea	184
Kahoolawe	-	Ualapue	5

Continued on next page.

**Table 1.17-- RESIDENT POPULATION OF HAWAIIAN HOME LANDS,
BY ISLAND: 2014-2018 -- Con.**

Island and Hawaiian Home Lands	Total	Island and Hawaiian Home Lands	Total
Oahu	20,565	Oahu (con.)	
East Kapolei	-	Mali	514
Haiku	-	Makaha Valley	-
Honolulu Makai	-	Maluohai	1,238
Kakaina-Kumuhau	165	Nanakuli	5,141
Kalaeloa	17	Papakolea	1,505
Kalawahine	384	Pearl City	63
Kanehili	1,659	Princess Kahanu Estates	1,542
Kapolei	-	Waiahole	42
Kaupea	1,482	Waianae	2,542
Kewalo	394	Waianae Kai	782
Lualualei	34	Waimanalo	3,061

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Table B01003
<<https://data.census.gov>> accessed June 30, 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: 2014-2018

[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 2014 to 2018]

Zip code tabulation area	Name 1/	Resident population	Zip code tabulation area	Name 1/	Resident population
State of Hawaii		1,422,029	Maui		
Hawaii			96708	Haiku	10,243
96704	Captain Cook	7,871	96713	Hana	1,201
96710	Hakalau	246	96732	Kahului	29,668
96719	Hawi	1,702	96753	Kihei	27,649
96720	Hilo (Main Office)	49,405	96761	Lahaina Main Office	23,223
96725	Holualoa	2,984	96768	Makawao	18,155
96726	Honaunau	480	96779	Paia	2,708
96727	Honokaa	5,270	96790	Kula	9,776
96728	Honomu	453	96793	Wailuku	33,074
96737	Ocean View	4,926	Kauai		
96738	Waikoloa	6,728	96703	Anahola	2,087
96740	Kailua-Kona	39,694	96705	Eleele	2,869
96743	Kamuela	14,496	96714	Hanalei	907
96749	Keaau	17,484	96716	Hanapepe	2,982
96750	Kealahou	3,370	96722	Princeville	2,213
96755	Kapaau	3,010	96741	Kalaheo	6,284
96760	Kurtistown	2,917	96746	Kapaa	19,324
96764	Laupahoehoe	592	96747	Kaumakani	874
96771	Mountain View	7,934	96751	Kealia	69
96772	Naalehu	2,472	96752	Kekaha	3,572
96773	Ninole	59	96754	Kilauea	3,112
96774	Ookala	181	96756	Koloa	6,206
96776	Paauilo	1,302	96765	Lawai	360
96777	Pahala	2,061	96766	Lihue	18,272
96778	Pahoa	15,125	96769	Makaweli	294
96780	Papaaloa	700	96796	Waimea	1,952
96781	Papaikou	1,229	Molokai		
96783	Pepeekeo	1,645	96729	Hoolehua	1,191
96785	Volcano	3,322	96742	Kalaupapa	75
Lanai			96748	Kaunakakai	4,380
96763	Lanai City	2,826	96757	Kualapuu	580
			96770	Maunaloa	597

Continued on next page.

Table 1.18-- RESIDENT POPULATION, BY ISLAND AND ZIP CODE TABULATION AREA: 2014-2018 -- Con.

Zip code tabulation area	Name 1/	Resident population	Zip code tabulation area	Name 1/	Resident population
Oahu			Oahu (con.)		
96701	Aiea	40,439	96813	Downtown	25,219
96706	Ewa Beach	72,799	96814	Downtown	19,527
96707	Kapolei	47,958	96815	Waikiki	25,268
96712	Haleiwa	7,575	96816	Waialae Kahala	49,664
96717	Hauula	5,148	96817	Kapalama	56,496
96730	Kaawa	1,359	96818	Main Office	59,482
96731	Kahuku	2,984	96819	Sand Island	53,886
96734	Kailua	50,386	96821	Hawaii Kai	18,539
96744	Kaneohe	51,692	96822	Makiki	46,645
96759	Kunia	360	96825	Hawaii Kai	29,375
96762	Laie	6,686	96826	Makiki	31,945
96782	Pearl City	38,335	96850	Honolulu	-
96786	Wahiawa	44,271	96853	Hickam AFB	599
96789	Mililani	53,734	96857	Schofield Barracks	2,815
96791	Waialua	7,715	96859	Tripler Army Med. Center	111
96792	Waianae	50,127	96860	Pearl Harbor	2,203
96795	Waimanalo	9,988	96863	MCBH Kaneohe Bay	46
96797	Waipahu	74,262			

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, 2014-2018 American Community Survey 5-Year Estimates, Table B01003 <<https://data.census.gov>> accessed July 14, 2020, Hawaii Telcom, *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, 2019

Service and island	Personnel and dependents	Military personnel				Dependents in Hawaii
		Total	Living ashore		Living aboard ship	
			Housing units 1/	Unaccompanied housing 2/		
State total 3/	113,473	52,819	(NA)	(NA)	(NA)	60,654
Air Force 4/	10,437	5,538	5/ 4,875	663	-	4,899
Oahu	(NA)	(NA)	(NA)	(NA)	-	(NA)
Maui	(NA)	(NA)	(NA)	(NA)	-	(NA)
Army 6/	49,867	18,279	11,547	6,732	-	31,588
Oahu	49,841	18,270	11,538	6,732	-	31,571
Hawaii	26	9	9	-	-	17
Coast Guard 7/	3,168	1,471	(NA)	(NA)	(NA)	1,697
Oahu	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hawaii	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Maui	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kauai	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Marine Corps	13,214	9,926	6,148	3,778	-	3,288
Oahu	13,198	9,917	6,139	3,778	-	3,281
Hawaii	16	9	9	-	-	7
Maui	-	-	-	-	-	-
Navy 7/	36,787	17,605	(NA)	(NA)	(NA)	19,182
Oahu	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hawaii	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Maui	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kauai	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Lanai	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

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

2/ Barracks, dormitories, or bachelor enlisted quarters.

3/ Figures are estimated.

4/ As of December 10, 2019.

5/ Calculated by DBEDT as the difference between "Total" and "Unaccompanied housing."

6/ As of September 30, 2019.

7/ Estimated by DBEDT using previous years' totals and DMDC data.

Source: Annual survey of local commanding officers; U.S Department of Defense, Defense Manpower Data Center, "Number of Military and DoD Appropriated Fund (APF) Civilian Personnel Permanently Assigned for June 30, 2019" <https://www.dmdc.osd.mil/appj/dwp/dwp_reports.jsp> accessed July 13, 2020; and 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 2019

[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, 2019		
	Both sexes	Male	Female	Both sexes	Male	Female
Total	1,360,307	681,247	679,060	1,415,872	708,040	707,832
Under 5 years	87,407	45,019	42,388	85,219	43,782	41,437
5 to 9 years	83,362	42,848	40,514	86,710	44,660	42,050
10 to 14 years	81,538	41,699	39,839	80,876	41,389	39,487
15 to 19 years	85,993	44,590	41,403	77,287	39,985	37,302
20 to 24 years	95,831	51,982	43,849	88,650	48,667	39,983
25 to 29 years	97,302	50,683	46,619	101,864	53,750	48,114
30 to 34 years	88,031	44,921	43,110	98,131	50,374	47,757
35 to 39 years	86,758	43,995	42,763	96,871	49,150	47,721
40 to 44 years	89,617	45,253	44,364	84,932	42,941	41,991
45 to 49 years	95,788	48,213	47,575	84,135	42,385	41,750
50 to 54 years	97,978	48,831	49,147	83,612	41,444	42,168
55 to 59 years	93,341	46,148	47,193	89,958	44,458	45,500
60 to 64 years	82,223	40,880	41,343	89,179	43,442	45,737
65 to 69 years	59,170	28,849	30,321	83,038	40,057	42,981
70 to 74 years	41,353	19,140	22,213	69,054	33,121	35,933
75 to 79 years	34,675	14,940	19,735	45,499	21,119	24,380
80 to 84 years	29,702	11,904	17,798	29,189	12,326	16,863
85 and over	30,238	11,352	18,886	41,668	14,990	26,678
Ages 5 to 17	216,410	110,994	105,416	214,649	110,205	104,444
Ages 18 to 24	130,314	70,125	60,189	118,874	64,496	54,378
Ages 25 to 44	361,708	184,852	176,856	381,798	196,215	185,583
Ages 45 to 64	369,330	184,072	185,258	346,884	171,729	175,155
16 years and over	1,091,086	543,088	547,998	1,147,014	570,028	576,986
18 years and over	1,056,490	525,234	531,256	1,116,004	554,053	561,951
21 years and over	1,003,517	497,218	506,299	1,069,220	529,098	540,122
65 years and over	195,138	86,185	108,953	268,448	121,613	146,835
85 years and over	30,238	11,352	18,886	41,668	14,990	26,678
Median age	38.6	37.2	39.9	39.6	38.2	41.1

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 Hawaii: April 1, 2010 to July 1, 2019" (SC-EST2019-AGESEX-15) and "Annual Estimates of the Resident Population by Single Year of Age and Sex for Hawaii: April 1, 2010 to July 1, 2019" (SC-EST2019-SYASEX-15) 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 2019

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

Age group	April 1, 2010 1/			July 1, 2019		
	Total	Military personnel 2/	Civilian 2/ 3/	Total	Military personnel	Civilian 3/
Total	1,360,307	40,802	1,319,505	1,415,872	45,283	1,370,589
Under 5 years	87,407	-	87,407	85,219	-	85,219
5 to 9 years	83,362	-	83,362	86,710	-	86,710
10 to 14 years	81,538	-	81,538	80,876	-	80,876
15 to 19 years	85,993	1,542	84,451	77,287	1,553	75,734
20 to 24 years	95,831	12,363	83,468	88,650	13,948	74,702
25 to 29 years	97,302	10,433	86,869	101,864	11,379	90,485
30 to 34 years	88,031	6,263	81,768	98,131	7,601	90,530
35 to 39 years	86,758	5,089	81,669	96,871	5,667	91,204
40 to 44 years	89,617	3,179	86,438	84,932	2,947	81,985
45 to 49 years	95,788	1,401	94,387	84,135	1,502	82,633
50 to 54 years	97,978	423	97,555	83,612	556	83,056
55 to 59 years	93,341	89	93,252	89,958	118	89,840
60 to 64 years	82,223	20	82,203	89,179	12	89,167
65 to 69 years	59,170	-	59,170	83,038	-	83,038
70 to 74 years	41,353	-	41,353	69,054	-	69,054
75 to 79 years	34,675	-	34,675	45,499	-	45,499
80 to 84 years	29,702	-	29,702	29,189	-	29,189
85 and over	30,238	-	30,238	41,668	-	41,668
5 to 17	216,410	1	216,409	214,649	1	214,648
18 to 24	130,314	13,904	116,410	118,874	15,500	103,374
25 to 44	361,708	24,964	336,744	381,798	27,594	354,204
45 to 64	369,330	1,933	367,397	346,884	2,188	344,696
16 years and over	1,091,086	40,802	1,050,284	1,147,014	45,283	1,101,731
18 years and over	1,056,490	40,801	1,015,689	1,116,004	45,282	1,070,722
21 years and over	1,003,517	37,257	966,260	1,069,220	41,283	1,027,937
65 years and over	195,138	-	195,138	268,448	-	268,448
85 years and over	30,238	-	30,238	41,668	-	41,668
Median age	38.6	27.8	39.4	39.6	29.2	40.5

Continued on next page.

Table 1.29-- RESIDENT POPULATION ESTIMATES BY AGE AND MILITARY STATUS: 2010 AND 2019 -- 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/ Revised from previous *Data Book*.

3/ Includes military dependents.

Source: U.S. Census Bureau, Population Division, Population and Housing Unit Estimates, Tables SC-EST2019-SYASEX-15 and SC-EST2019-AGESEX-CIV (June 2020) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 8, 2020; and Department of Business, Economic Development & Tourism, "Population Estimates by Military Status by Single Years of Age for the State of Hawaii: 2010 to 2019" <<https://census.hawaii.gov/home/population-estimate/>> accessed July 8, 2020 and calculations.

Table 1.30-- RESIDENT POPULATION BY AGE GROUP, BY COUNTY: 2019

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

Age group	State total	Hawaii County	City and County of Honolulu	Kauai County	Maui County 1/
Total	1,415,872	201,513	974,563	72,293	167,503
Under 5 years	85,219	11,472	59,882	4,229	9,636
5 to 9 years	86,710	12,605	59,153	4,490	10,462
10 to 14 years	80,876	12,148	54,282	4,385	10,061
15 to 19 years	77,287	11,086	53,055	3,926	9,220
20 to 24 years	88,650	9,821	67,377	3,495	7,957
25 to 29 years	101,864	11,492	76,218	4,325	9,829
30 to 34 years	98,131	12,100	70,841	4,388	10,802
35 to 39 years	96,871	12,627	67,432	4,933	11,879
40 to 44 years	84,932	11,713	57,980	4,273	10,966
45 to 49 years	84,135	11,414	57,870	4,335	10,516
50 to 54 years	83,612	11,542	56,842	4,465	10,763
55 to 59 years	89,958	13,689	59,438	4,956	11,875
60 to 64 years	89,179	15,763	56,525	5,142	11,749
65 to 69 years	83,038	15,951	51,144	5,065	10,878
70 to 74 years	69,054	11,890	44,531	4,025	8,608
75 to 79 years	45,499	6,978	30,733	2,451	5,337
80 to 84 years	29,189	4,033	20,680	1,391	3,085
85 years and over	41,668	5,189	30,580	2,019	3,880
16 years and over	1,147,014	162,953	790,447	58,308	135,306
18 years and over	1,116,004	158,312	769,692	56,631	131,369
Under 18 years	299,868	43,201	204,871	15,662	36,134
18 to 64 years	847,556	114,271	592,024	41,680	99,581
65 years and over	268,448	44,041	177,668	14,951	31,788
In percent					
Under 18 years	21.2	21.4	21.0	21.7	21.6
18 to 64 years	59.9	56.7	60.7	57.7	59.5
65 years and over	19.0	21.9	18.2	20.7	19.0
Median age	39.6	43.1	38.4	42.2	41.7
Dependency ratio 2/	67.1	76.3	64.6	73.4	68.2

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**Table 1.30-- RESIDENT POPULATION BY AGE GROUP, BY COUNTY:
2019 -- 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, Population and Housing Unit Estimates, Tables SC-EST2019_AGESEX_15 and CC-EST2019-AGESEX (June 2019)
<<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 8, 2020; 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 combination 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
Marshalllese	6,316	Vietnamese	13,266
Tongan	4,830	Tongan	8,085
American Indian and Alaska Native	4,164	Marshalllese	7,412
Guamanian or Chamorro	2,700	Guamanian or Chamorro	6,647
Asian Indian	2,201	Okinawan	6,642
Thai	2,006	Asian Indian	4,737
Okinawan	1,886	Thai	3,701
Laotian	1,844	Laotian	2,620
Chuukese	1,683	Chuukese	2,563
Palauan	729	Tahitian	2,513
Cambodian	464	Palauan	1,216
Indonesian	399	Indonesian	990
Pohnpeian	398	Pohnpeian	775
Fijian	282	Fijian	711
Kosraean	245	Cambodian	705
Tahitian	225	Tokelauan	547
Burmese	199	Kosraean	484
Sri Lankan	186	Pakistani	303
Pakistani	174	Malaysian	297
Yapese	129	Burmese	281
Nepalese	125	Yapese	260
Mongolian	109	Sri Lankan	231
Malaysian	86	Mongolian	197
Hmong	70	Nepalese	146
Bangladeshi	60	I-Kiribati	141
Bhutanese	7	Hmong	87
		Bangladeshi	74
		Bhutanese	13

Continued on next page.

Table 1.34- 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 DETAILED RACES: 2014-2018

[Based on a sample and subject to sampling variability. Figures displayed describes the average characteristics of people living in Hawaii between the years 2014 and 2018]

Race alone 1/		Race alone or in combination 2/	
Race	Estimate	Race	Estimate
White	355,612	White	612,335
Filipino	214,895	Filipino	366,097
Japanese	171,478	Japanese	311,916
Native Hawaiian	88,886	Native Hawaiian	307,251
Chinese, except Taiwanese	56,255	Chinese, except Taiwanese	204,251
Black or African American	26,266	Korean	50,378
Korean	24,659	Black or African American	49,424
Other Micronesian 3/	18,161	Samoan	35,777
Samoan	14,210	American Indian and Alaska Native	33,673
Vietnamese	10,582	Other Micronesian 3/	20,659
Marshallese	7,801	Vietnamese	14,857
Tongan	3,572	Marshallese	8,748
American Indian and Alaska Native	2,987	Okinawan	7,352
Asian Indian	2,899	Tongan	7,133
Guamanian or Chamorro	2,796	Guamanian or Chamorro	6,799
Okinawan	2,154	Asian Indian	4,935
Thai	2,026	Thai	4,158
Laotian	1,730	Laotian	2,481
Taiwanese	804	Indonesian	1,131
Cambodian	388	Taiwanese	1,025
Nepalese	336	Cambodian	760
Indonesian	335	Fijian	427
Sri Lankan	212	Nepalese	369
Burmese	174	Sri Lankan	280
Fijian	149	Mongolian	211
Mongolian	121	Pakistani	177
Pakistani	75	Burmese	174
Hmong	49	Malaysian	121
Malaysian	31	Bangladeshi	113
Bangladeshi	-	Hmong	49

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 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 the generic term "Micronesian" and the remaining Micronesian write-in responses after the separate tallying of Guamanian or Chamorro and Marshallese.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Tables B02001, B02008, B02009, B02010, B02015, B02016, B02018, and B02019 <<https://data.census.gov>> accessed December 24, 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: 2014-2018

[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 2014 to 2018]

Ancestry group 1/	Number	Percent of total population
Total population	1,422,029	(2/)
German	81,130	5.7
Irish	61,557	4.3
English	55,070	3.9
Portuguese	48,129	3.4
Italian	30,284	2.1
French (except Basque)	18,328	1.3
American	18,223	1.3
Scottish	15,214	1.1
European	14,118	1.0
Polish	12,271	0.9
Norwegian	10,424	0.7
Swedish	9,392	0.7
Dutch	8,115	0.6
Scotch-Irish	6,461	0.5
Russian	5,690	0.4
British	4,027	0.3
Danish	3,970	0.3
Welsh	3,675	0.3
Subsaharan African	2,923	0.2
Arab	2,758	0.2
Greek	2,734	0.2
French Canadian	2,704	0.2
Hungarian	2,506	0.2
Scandinavian	2,455	0.2
West Indian (except Hispanic groups)	2,306	0.2
Swiss	2,266	0.2

1/ Ancestry groups containing 2,000 or more people. The categories of "Other groups" (72.8% of total population) and "Unclassified or not reported" (11.0% of total population) were not included.

2/ The sum of all categories is greater than 100% because respondents could choose more than one ancestry.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Table B04006
<<https://data.census.gov>> accessed December 24, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.41-- PLACE OF BIRTH AND CITIZENSHIP: 2014-2018

[Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2014 to 2018]

Place of birth and citizenship	Number	Percent
Total population	1,422,029	100.0
Native	1,162,443	81.7
Born in Hawaii	757,899	53.3
Born in other state in the U.S.	359,821	25.3
Northeast	55,742	3.9
Midwest	66,409	4.7
South	84,250	5.9
West	153,420	10.8
Born outside United States	44,723	3.1
Puerto Rico	1,535	0.1
U.S. Island Areas	11,505	0.8
Born abroad of American parent(s)	31,683	2.2
Foreign born	259,586	18.3
Naturalized U.S. citizen	150,370	10.6
Not a U.S. citizen	109,216	7.7
18 years and over	1,115,528	100.0
Native	870,641	78.0
Foreign born	244,887	22.0
Naturalized U.S. citizen	145,915	13.1
Not a U.S. citizen	98,972	8.9

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Tables B05002 and B05003 <<https://data.census.gov>> accessed December 24, 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: 2014-2018

[Ranked by largest estimate. For places of birth areas with 1,000 or more foreign born persons; excludes population born at sea. Figures displayed describes the average characteristics of people living in Hawaii between the years 2014 and 2018. Based on a sample and subject to sampling variability]

Rank 1/	Place of birth	Number	Percent of total
	Total	259,586	100.0
1	Philippines	120,209	46.3
2	Japan	23,077	8.9
3	China, excluding Hong Kong and Taiwan	19,598	7.5
4	Korea	17,357	6.7
5	Vietnam	9,181	3.5
6	Mexico	5,322	2.1
7	Canada	4,275	1.6
8	Hong Kong	3,898	1.5
9	Taiwan	2,830	1.1
10	Germany	2,520	1.0
11	Thailand	2,324	0.9
12	India	1,705	0.7
13	Brazil	1,056	0.4

Source: U.S. Census Bureau, 2014-2018 ACS 5-Year Selected Population Tables, Table B05006
<<https://data.census.gov>> accessed August 9, 2020; 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: 2014-2018

[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 2014 to 2018]

Language spoken at home	Total	5 to 17 years	18 to 64 years	65 years and over
Total	1,331,641	216,113	869,573	245,955
Speak English only	983,502	174,344	633,432	175,726
Spanish	29,100	4,734	22,424	1,942
Speak English "very well"	21,692	3,831	16,399	1,462
Speak English "well"	5,049	815	3,897	337
Speak English less than "well"	2,359	88	2,128	143
Other Indo-European 1/	15,067	1,884	10,296	2,887
Speak English "very well"	11,987	1,600	8,147	2,240
Speak English "well"	2,446	231	1,717	498
Speak English less than "well"	634	53	432	149
Asian and Pacific Island 2/	295,852	34,327	197,446	64,079
Speak English "very well"	146,434	22,392	101,951	22,091
Speak English "well"	88,912	9,484	61,273	18,155
Speak English less than "well"	60,506	2,451	34,222	23,833
Other	8,120	824	5,975	1,321
Speak English "very well"	6,971	695	5,248	1,028
Speak English "well"	1,027	129	662	236
Speak English less than "well"	122	-	65	57

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, 2014-2018 American Community Survey 5-Year Estimates, Table B16004 <<https://data.census.gov>> accessed January 2, 2020, 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

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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/
Other Native North American languages	967	904	45	-	18
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: 2014-2018

[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 2014 and 2018]

Subject	Only English	Asian and Pacific Island 1/	Spanish	Other Indo-European 2/	Other languages
Educational attainment					
Total	711,705	238,752	19,817	11,758	6,335
Less than high school graduate	33,401	44,019	2,138	658	480
High school graduate 3/	195,751	70,070	4,239	1,694	1,879
Some college or associate's degree	235,013	65,520	7,006	2,956	2,547
Bachelor's degree or higher	247,540	59,143	6,434	6,450	1,429
Percent	100.0	100.0	100.0	100.0	100.0
Less than high school graduate	4.7	18.4	10.8	5.6	7.6
High school graduate 3/	27.5	29.3	21.4	14.4	29.7
Some college or associate's degree	33.0	27.4	35.4	25.1	40.2
Bachelor's degree or higher	34.8	24.8	32.5	54.9	22.6
Employment status					
Total	711,705	238,752	19,817	11,758	6,335
In labor force	468,326	153,996	14,488	7,682	4,329
Not in labor force	243,379	84,756	5,329	4,076	2,006
Percent	100.0	100.0	100.0	100.0	100.0
In labor force	65.8	64.5	73.1	65.3	68.3
Not in labor force	34.2	35.5	26.9	34.7	31.7

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, 2014-2018 American Community Survey 5-Year Estimates, B16010 <<https://data.census.gov>> accessed February 5, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.46-- RANKING OF SELECTED DETAILED LANGUAGE SPOKEN
AT HOME: 2014-2018**

[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 2014 and 2018]

Language spoken at home 1/	Total	Ability to speak English		
		"Very well"	Less than "very well"	Percent less than "very well"
Total	1,331,641	(X)	(X)	(X)
Spoke only English at home	983,502	(X)	(X)	(X)
Spoke a language other than English at home	348,139	187,084	161,055	46.3
Ilocano, Samoan, Hawaiian, or other Austronesian	126,637	66,571	60,066	47.4
Tagalog (incl. Filipino)	58,832	30,222	28,610	48.6
Japanese	43,031	23,784	19,247	44.7
Chinese (incl. Mandarin, Cantonese)	33,741	13,112	20,629	61.1
Spanish	29,100	21,692	7,408	25.5
Korean	19,328	7,213	12,115	62.7
Vietnamese	9,415	3,075	6,340	67.3
Other and unspecified	6,080	5,366	714	11.7
Thai, Lao, or other Tai-Kadai	3,552	1,633	1,919	54.0
French (incl. Cajun)	3,285	2,952	333	10.1
German	3,053	2,439	614	20.1
Portuguese	1,504	1,202	302	20.1
Russian	1,251	837	414	33.1
Italian	1,026	811	215	21.0
Hindi	832	624	208	25.0
Other Indo-European	830	667	163	19.6
Arabic	812	648	164	20.2
Hebrew	558	510	48	8.6
Ukrainian or other Slavic	539	322	217	40.3
Persian (incl. Farsi, Dari)	524	340	184	35.1
Nepali, Marathi, or other Indic	524	303	221	42.2
Other languages of Asia	478	248	230	48.1
Polish	452	412	40	8.8
Khmer	384	261	123	32.0
Yiddish, Pennsylvania Dutch or other West Germanic	304	268	36	11.8
Serbo-Croatian	275	209	66	24.0
Greek	228	219	9	3.9
Amharic, Somali, or other Afro-Asiatic	223	110	113	50.7

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**Table 1.46-- RANKING OF SELECTED DETAILED LANGUAGE SPOKEN
AT HOME: 2014-2018 -- Con.**

Language spoken at home 1/	Total	Ability to speak English		
		"Very well"	Less than "very well"	Percent less than "very well"
Haitian	210	195	15	7.1
Tamil	184	184	-	0.0
Telugu	160	59	101	63.1
Swahili or other lang. of Central, Eastern, & Southern Africa	139	91	48	34.5
Yoruba, Twi, Igbo, or other languages of Western Africa	132	132	-	0.0
Other Native languages of North America	111	66	45	40.5
Armenian	90	79	11	12.2
Malayalam, Kannada, or other Dravidian	83	50	33	39.8
Navajo	65	48	17	26.2
Gujarati	42	37	5	11.9
Bengali	35	35	-	0.0
Urdu	34	25	9	26.5
Punjabi	29	11	18	62.1
Hmong	27	22	5	18.5

X Not applicable.

1/ Beginning with the 2016 data releases, languages coded in accordance with the International Organization for Standardization's ISO-639-3 standard.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Table B16001
<<https://data.census.gov>> accessed December 24, 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 2018**

[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
2018	455,309	1,376,737	3.02

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates (annual), Table DP02
<<https://data.census.gov>> accessed October 28, 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: 2014-2018

[Population in subfamilies. Based on a sample and subject to sampling variability. Figures displayed are the average values over the 5-year period of 2014 to 2018]

Subfamily type 1/	State 2/	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Total	124,080	88,460	14,857	6,539	14,224
In married-couple subfamilies	70,638	52,760	7,411	3,101	7,366
Married couple without children	25,550	18,804	2,754	1,459	2,533
Married couple with child(ren)	24,171	18,067	2,710	963	2,431
Child	20,917	15,889	1,947	679	2,402
In mother-child subfamilies	39,745	26,854	5,188	2,453	5,250
Parent	15,942	10,799	2,170	883	2,090
Child	23,803	16,055	3,018	1,570	3,160
In father-child subfamilies	13,697	8,846	2,258	985	1,608
Parent	5,835	3,705	963	473	694
Child	7,862	5,141	1,295	512	914

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, 2014-2018 American Community Survey 5-Year Estimates, Table B11014
<<https://data.census.gov>> accessed March 4, 2020.

Table 1.55-- MARITAL STATUS, BY SEX: 2014-2018

[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 2014 and 2018]

Marital status	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
Total	1,162,860	100.0	580,549	100.0	582,311	100.0
Never married	386,252	33.2	217,911	37.5	168,341	28.9
Now married	594,681	51.1	299,954	51.7	294,727	50.6
Married, spouse present	524,256	45.1	264,726	45.6	259,530	44.6
Married, spouse absent	70,425	6.1	35,228	6.1	35,197	6.0
Separated	14,691	1.3	6,483	1.1	8,208	1.4
Other	55,734	4.8	28,745	5.0	26,989	4.6
Widowed	74,143	6.4	15,172	2.6	58,971	10.1
Divorced	107,784	9.3	47,512	8.2	60,272	10.4

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Table B12001
<<https://data.census.gov>> accessed December 24, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.56-- MARITAL STATUS, BY SEX AND BY COUNTY: 2014-2018

[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 2014 to 2018]

Subject	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total	1,162,860	808,571	161,319	58,122	134,848
Never married	386,252	272,781	52,020	18,839	42,612
Male	217,911	155,215	28,869	10,094	23,733
Female	168,341	117,566	23,151	8,745	18,879
Males per 100 females	129.4	132.0	124.7	115.4	125.7
Now married, spouse present	524,256	365,623	71,784	25,922	60,927
Male	264,726	184,993	35,831	12,973	30,929
Female	259,530	180,630	35,953	12,949	29,998
Males per 100 females	102.0	102.4	99.7	100.2	103.1
Now married, spouse absent 2/	70,425	50,002	8,697	3,517	8,209
Male	35,228	24,987	4,310	1,822	4,109
Female	35,197	25,015	4,387	1,695	4,100
Males per 100 females	100.1	99.9	98.2	107.5	100.2
Widowed	74,143	50,776	10,784	4,149	8,434
Male	15,172	9,929	2,420	1,166	1,657
Female	58,971	40,847	8,364	2,983	6,777
Males per 100 females	25.7	24.3	28.9	39.1	24.5
Divorced	107,784	69,389	18,034	5,695	14,666
Male	47,512	30,538	8,194	2,490	6,290
Female	60,272	38,851	9,840	3,205	8,376
Males per 100 females	78.8	78.6	83.3	77.7	75.1

1/ Maui County including Kalawao County.

2/ 'Spouse absent' includes Separated.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, Table B12001

<<https://data.census.gov>> accessed March 4, 2020; 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 2019**

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, 2019 (estimate)	1,415,872	974,563	201,513	72,293	167,503
Net change 3/	55,565	21,357	16,437	5,198	12,573
Resident births	169,133	121,272	21,947	7,902	18,012
Resident deaths	102,353	70,561	15,481	5,433	10,878
Foreign migrants (net) 4/	59,793	46,111	4,742	2,802	6,138
Domestic migrants (net) 5/	-70,222	-74,896	5,308	-14	-620

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, 2019" (CO-EST2019-ANNRES-15) and "Estimates of the Components of Resident Population Change: April 1, 2010 to July 1, 2019" (CO-EST2019-COMP-15) (released March 2020) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed June 30, 2020.

**Table 1.59-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION,
BY MILITARY STATUS: 2010 TO 2016**

[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	67,252	6,779	-721	61,194	9,791	100.0
Natural increase	52,353	-218	21,192	31,379	5,021	51.3
Live births	116,944	(X)	21,682	95,262	15,242	(X)
Deaths	64,591	218	490	63,883	10,221	(X)
Net mil. separations 2/	} 14,899	6,997	-21,913	29,815	4,770	48.7
Net migration 3/						

X Not applicable.

1/ April 1, 2010 to June 30, 2016.

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 2018

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
2018	(NA)	(NA)	5,430

NA Not available.

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

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 July 14, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.61-- LEGAL PERMANENT RESIDENTS, BY COUNTRY OF BIRTH:
2014 TO 2018**

[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	2014	2015	2016	2017	2018
All countries	5,741	6,513	6,285	5,396	5,430
Australia	34	26	42	25	33
Brazil	31	56	59	46	61
Canada	80	102	76	74	64
China, People's Republic	544	487	618	492	417
France	23	25	17	28	25
Germany	42	48	42	34	35
Hong Kong	30	24	41	28	33
India	35	25	21	21	29
Japan	500	516	444	328	363
Korea 1/	224	247	208	170	182
Mexico	62	100	107	71	69
Nepal	17	47	60	49	50
New Zealand	23	16	16	20	13
Philippines	3,156	3,805	3,533	3,256	3,229
Russia	28	10	26	18	27
Samoa	33	40	29	16	23
Taiwan	35	37	36	25	34
Thailand	145	132	92	79	77
Tonga	34	45	26	27	32
United Kingdom	29	26	39	30	25
Vietnam	151	194	274	211	191
Other countries	485	505	479	348	418

1/ There were 5 legal permanent residents from North Korea in 2014. For years 2015 through 2018, there were no legal permanent residents from North Korea.

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 16, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.62-- PERSONS NATURALIZED, BY COUNTRY OF FORMER ALLEGIANCE: 1998 TO 2018

[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
2018	2,666	224	129	164	1,389	29	75	656

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* (1998-2001) and U.S. Department of Homeland Security, Office of Immigration Statistics, *Yearbook of Immigration Statistics* (annual)

<<https://www.dhs.gov/immigration-statistics/yearbook>> accessed June 16, 2020.

Table 1.63-- IN-MIGRATION SUMMARY, BY COUNTY: 2018

[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	1,403,653	966,708	199,044	71,383	166,441
Same house (nonmovers)	1,211,015	827,453	173,060	62,414	148,011
Total movers into the area 2/	192,638	139,255	25,984	8,969	18,430
Movers within the U.S.	179,246	127,991	25,283	8,370	17,602
Within the same county	116,126	84,174	16,076	5,395	10,481
To another county within state	9,046	2,720	2,824	892	2,610
From a different state	54,074	41,097	6,383	2,083	4,511
Abroad	13,392	11,264	701	599	828
In percent					
Same house (nonmovers)	86.3	85.6	86.9	87.4	88.9
Total movers into the area 2/	13.8	14.4	13.1	12.5	11.1
Movers within the U.S.	12.8	13.2	12.7	11.7	10.6
Within the same county	8.3	8.7	8.1	7.6	6.3
To another county in Hawaii	0.6	0.3	1.4	1.2	1.6
From a different state	3.9	4.3	3.2	2.9	2.7
Abroad	1.0	1.2	0.4	0.8	0.5

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, 2018 American Community Survey 1-Year Estimates, Table DP02

<<https://data.census.gov>> accessed October 28, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.64-- IN-MIGRATION SUMMARY, BY AGE: 2018

[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	1,403,653	1,211,015	192,638	116,126	9,046	54,074	13,392
1-4	70,599	57,963	12,636	7,751	525	4,073	287
5-17	215,818	187,847	27,971	16,598	1,444	8,205	1,724
18-19	31,052	24,964	6,088	3,192	236	2,032	628
20-24	90,595	69,391	21,204	10,750	1,346	7,397	1,711
25-29	103,541	81,560	21,981	11,926	1,117	7,218	1,720
30-34	97,484	76,177	21,307	12,506	566	6,212	2,023
35-39	95,076	76,164	18,912	11,799	995	4,300	1,818
40-44	86,465	72,542	13,923	8,619	1,093	3,570	641
45-49	85,662	74,445	11,217	8,180	509	1,898	630
50-54	85,728	76,731	8,997	5,966	287	2,041	703
55-59	86,295	78,329	7,966	5,162	69	2,278	457
60-64	93,871	87,542	6,329	4,121	443	1,556	209
65-69	84,573	78,778	5,795	4,451	9	1,112	223
70-74	64,799	61,466	3,333	2,051	46	1,059	177
75+	112,095	107,116	4,979	3,054	361	1,123	441

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

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates, Table B07001
<<https://data.census.gov>> accessed October 28, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.65-- SELECTED CHARACTERISTICS OF DOMESTIC MIGRANTS
AND NONMOVERS: 2018**

[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)	100.0	100.0	100.0	100.0	100.0
Male	50.0	49.9	50.4	51.4	50.1
Female	50.0	50.1	49.6	48.6	49.9
Age (Population 1 year & over)	100.0	100.0	100.0	100.0	100.0
1 to 17 years	20.4	20.3	21.0	22.7	24.7
18 to 64 years	61.0	59.3	71.0	71.2	70.8
65 years and over	18.6	20.4	8.0	6.1	4.5
Marital status (Population 15 years & over)	100.0	100.0	100.0	100.0	100.0
Never married	33.9	32.9	43.1	33.6	45.3
Now married, except separated	49.6	50.3	40.7	54.5	42.8
Divorced	9.0	8.9	11.0	9.1	8.6
Separated	1.3	1.2	2.0	0.9	2.1
Widowed	6.2	6.8	3.3	1.9	1.3
Educational attainment (Population 25 years & over)	100.0	100.0	100.0	100.0	100.0
Less than high school graduate	8.0	8.1	7.9	2.8	1.9
High school graduate 5/	26.8	27.3	25.5	18.0	18.9
Some college or associate's degree	31.7	31.5	33.9	35.5	35.1
Bachelor's degree	22.0	21.7	23.2	24.3	27.2
Graduate or professional degree	11.5	11.4	9.5	19.4	16.9
Tenure of householder in housing unit (Population 1 year & over, in households)	100.0	100.0	100.0	100.0	100.0
Owner-occupied	61.0	65.6	33.4	25.8	38.4
Renter-occupied	39.0	34.4	66.6	74.2	61.6

Continued on next page.

**Table 1.65-- SELECTED CHARACTERISTICS OF DOMESTIC MIGRANTS
AND NONMOVERS: 2018 -- Con.**

Subject	Total	Non-movers 1/	Movers within state 2/	In-migrants 3/	Out-migrants 4/
Individual income 6/	100.0	100.0	100.0	100.0	100.0
(Population 15 years & over)	88.9	89.5	87.1	85.6	86.3
No income	11.1	10.5	12.9	14.4	13.7
With income	88.9	89.5	87.1	85.6	86.3
\$1 to \$9,999 or less	12.5	12.2	14.1	16.3	21.3
\$10,000 to \$14,999	7.0	7.0	7.4	6.0	5.3
\$15,000 to \$24,999	13.5	13.5	15.1	9.7	13.3
\$25,000 to \$34,999	11.8	11.9	11.3	11.9	10.5
\$35,000 to \$49,999	13.7	14.1	11.6	12.7	11.4
\$50,000 to \$64,999	10.3	10.3	11.7	9.2	8.6
\$65,000 to \$74,999	4.5	4.6	4.0	4.0	3.6
\$75,000 or more	15.5	15.9	11.9	15.9	12.3
Poverty status in the past 12 months	100.0	100.0	100.0	100.0	100.0
(Population 1 year old & over, for whom poverty status can be determined)					
Below 100% of poverty level	8.7	8.3	14.1	6.7	16.1
100 to 149% of poverty level	5.8	5.6	7.8	6.0	7.7
At or above 150% of poverty level	85.4	86.1	78.2	87.3	76.3
Population base for categories above					
1 year & over	1,403,653	1,211,015	125,172	54,074	67,293
1 year & over, in households	1,359,958	1,180,015	116,492	51,237	62,223
1 year & over, poverty status determ.	1,366,232	1,183,639	119,149	51,027	62,609
15 years & over	1,164,044	1,006,357	102,480	43,684	52,720
25 years & over	995,589	870,850	83,330	32,367	34,977

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 2018 inflation-adjusted dollars).

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates, Tables B07001, B07003, B07008, B07009, B07010, B07012, B07013, B07401, B07403, B07408, B07409, B07410, B07412, and B07413 <<https://data.census.gov>> accessed October 28, 2019; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

Table 1.66-- TOP DOMESTIC IN-MIGRATION STATES: 2018

[Ranked by largest estimate. Population 1 year and over. State of residence in 2018 was Hawaii, but different state of residence in 2017. Based on a sample and subject to sampling variability]

Rank	State	Estimate	Percent
	Total in-migrants 1/	54,074	100.0
1	California	10,456	19.3
2	Washington	4,351	8.0
3	Texas	4,180	7.7
4	Virginia	3,987	7.4
5	Colorado	3,164	5.9
6	Florida	3,085	5.7
7	Georgia	2,192	4.1
8	Arizona	2,167	4.0
9	Oregon	1,615	3.0
10	Alaska	1,509	2.8
11	New York	1,416	2.6
12	Kansas	1,385	2.6
13	Oklahoma	1,172	2.2
14	Missouri	1,129	2.1
15	South Carolina	1,072	2.0
16	Idaho	1,027	1.9
17	North Carolina	843	1.6
18	District of Columbia	768	1.4
19	Tennessee	723	1.3
20	Massachusetts	656	1.2
21	Iowa	586	1.1
22	Illinois	583	1.1
23	Pennsylvania	580	1.1
24	Maryland	574	1.1

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, 2018 American Community Survey 1-Year Estimates, "Table 1. State-to-State Migration Flows: 2018" <<http://www.census.gov/data/tables/time-series/demo/geographic-mobility/state-to-state-migration.html>> accessed March 4, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 1.67-- TOP DOMESTIC OUT-MIGRATION STATES: 2018

[Ranked by largest estimate. Population 1 year and over. State of residence in 2017 was Hawaii, but different state of residence in 2018. Based on a sample and subject to sampling variability]

Rank	State	Estimate	Percent
	Total out-migrants 1/	67,293	100.0
1	California	12,848	19.1
2	Texas	7,986	11.9
3	Nevada	4,959	7.4
4	Washington	3,416	5.1
5	North Carolina	3,402	5.1
6	Colorado	3,356	5.0
7	Virginia	3,116	4.6
8	Florida	3,008	4.5
9	Oregon	2,729	4.1
10	Utah	2,533	3.8
11	Georgia	2,335	3.5
12	Tennessee	1,515	2.3
13	New York	1,181	1.8
14	Louisiana	1,117	1.7
15	Alaska	1,029	1.5
16	Oklahoma	931	1.4
17	Maryland	892	1.3
18	South Carolina	857	1.3
19	Pennsylvania	783	1.2
20	Ohio	735	1.1
21	Iowa	689	1.0

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, 2018 American Community Survey 1-Year Estimates, "Table 1. State-to-State Migration Flows: 2018" <<https://www.census.gov/data/tables/time-series/demo/geographic-mobility/state-to-state-migration.html>> accessed March 4, 2020; 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, including the newly released 2017 Economic Census. Long-term trends are traced in *Historical Statistics of Hawaii*, Section 2.

Table 2.01-- BIRTHS AND DEATHS: 2000 TO 2017

[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	7.7	375.2	8.1	5.8
2016	17,996	10,747	12.6	7.5	375.8	9.0	6.0
2017	17,471	11,218	12.3	7.9	388.2	9.9	5.2

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 2019. 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, *Population and Housing Unit Estimates*, Tables ST-EST00INT-01 (September 2011) and NST-EST-2019-01 (December 2019) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 10, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 2013 TO 2017

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births 2/						
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
2017	17,524	-	17,524	3,031	14,493	3,031
Deaths						
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
2017	11,525	38	11,487	74	11,413	112
Birth rates 3/						
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
2017	11.0	0.0	11.3	51.8	9.8	28.8
Death rates 3/						
2013	6.9	0.9	7.0	1.3	7.3	1.1
2014	7.0	0.7	7.2	1.3	7.5	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
2017	7.2	0.8	7.4	1.3	7.7	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 2019.

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 2017

[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	2/ 21,369	15.0	18,506	754	2,109
2015	21,146	14.9	18,391	766	1,989
2016	21,315	14.9	17,996	808	2,511
2017	20,378	14.3	17,471	696	2,211

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2019. 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.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division, *Population and Housing Unit Estimates*, Tables ST-EST00INT-01 (September 2011) and NST-EST-2019-01 (December 2019) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 10, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 2004 TO 2017

[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
2017	17,524	17,471	53
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
2017	11,525	11,218	307

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: 2015 TO 2017

[Place of residence basis]

Subject	2015	2016	2017
Number of resident births	18,391	17,996	17,471
City and County of Honolulu	13,233	12,928	12,452
Percent in City and County of Honolulu	72.0	71.8	71.3
Hawaii County	2,371	2,348	2,285
Kauai County	887	842	852
Maui County (incl. Kalawao)	1,900	1,878	1,882
Percent attended by M.D. or D.O. in hospital	87.5	82.7	89.1
Males per 100 females	103.3	110.7	108.9
Median weight of single births (grams) 1/	3,285	3,280	3,284
Percent low birth weight (under 2,500 grams) 1/	8.3	8.6	8.5
Percent single births under 40 weeks gestation	70.0	70.7	71.3
Percent plural births	2.8	3.5	3.5
Percent with 1 or more congenital malformations	(NA)	(NA)	(NA)
Percent to unmarried mothers	37.5	37.6	38.9
Percent with prenatal visit in first three months	(NA)	(NA)	(NA)
Percent first child born to mother 2/	33.0	30.7	30.9
Percent first child born alive to mother	39.3	39.3	39.4
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: 1990 TO 2018

[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. Rates for 1991-2001 were revised between 2003 and 2005 using revised population estimates. Therefore, rates may differ from those shown in earlier editions of the *Data Book*]

Year	Birth rate			Fertility rate		
	Hawaii	United States	Hawaii rank 1/	Hawaii	United States	Hawaii rank 1/
1990	18.5	16.7	7	79.2	70.9	5
1991	17.5	16.2	8	75.6	69.3	7
1992	17.1	15.8	8	75.0	68.4	7
1993	16.4	15.4	8	74.1	67.0	7
1994	16.4	15.0	2/ 7	73.9	65.9	4
1995	15.5	14.6	3/ 8	70.7	64.6	6
1996	15.3	14.4	9	70.3	64.1	6
1997	14.4	14.2	13	66.4	63.6	9
1998	14.5	14.3	3/ 14	67.6	64.3	9
1999	14.1	14.2	18	66.5	64.4	14
2000	14.5	14.4	16	69.1	65.9	2/ 11
2001	13.9	14.1	19	67.4	65.3	14
2002	14.0	13.9	19	68.6	64.8	12
2003	14.4	14.1	4/ 15	72.3	66.1	6
2004	14.5	14.0	3/ 15	74.0	66.3	6
2005	14.1	14.0	2/ 19	72.9	66.7	8
2006	14.8	14.2	3/ 16	73.9	68.5	13
2007	14.9	14.3	18	76.0	69.5	2/ 12
2008	15.1	14.0	10	78.3	68.6	7
2009	14.6	13.5	10	75.8	66.7	7
2010	14.0	13.0	10	72.4	64.1	8
2011	13.8	12.7	3/ 9	71.9	63.2	7
2012	13.6	12.6	2/ 11	71.6	63.0	8
2013	13.5	12.4	11	71.5	62.5	7
2014	13.1	12.5	13	69.3	62.9	11
2015	12.9	12.4	2/ 14	68.7	62.5	11
2016	12.6	12.2	5/ 14	67.6	62.0	10
2017	12.3	11.8	4/ 15	65.9	60.3	7
2018	11.9	11.6	2/ 20	64.2	59.1	9

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

2/ Tied with one other state.

3/ Tied with two other states.

4/ Tied with three other states.

5/ Tied with four 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, 2020.

Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE, BY MILITARY STATUS OF PARENT: 2017

[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	17,471	7,013	9,621	837	57.8
Military 4/	3,020	2,088	894	38	30.0
All others 5/	14,451	4,925	8,727	799	63.9

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: 2017**

[Place of occurrence basis. A total of 8,950 first names, including variant spellings, was reported for the 17,524 babies born in Hawaii in 2017]

Boys' names			Girls' names		
Rank	Name	Number	Rank	Name	Number
1	Liam	79	1	Emma	73
2	Noah	64	2	Olivia	65
3	Mason	60	3	Aria	52
4	Elijah	56	4	Ava	47
5	Logan	55	5	Chloe	44
6	Ethan	52	6	Mila	39
7	Ezekiel	51	7	Isabella	38
8	Luke	44	8	Sophia	36
9	James	43	9	Mia	34
10	Ezra	42	10	Maya	33

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

Table 2.09-- MOST COMMON SURNAMES ON BIRTH AND DEATH CERTIFICATES: 2017

Birth certificates			Death certificates		
Rank	Surname	Number	Rank	Surname	Number
1	Lee	70	1	Lee	75
2	Smith	64	2	Wong	64
3	Johnson	57	3	Smith	44
4	Kim	53	4	Chang	43
5	Brown	44	4	Yamamoto	43
6	Williams	41	6	Nakamura	42
7	Silva	40	7	Kim	41
8	Garcia	36	8	Higa	36
9	Ramos	35	9	Young	35
10	Wong	34	10	Ching	33

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: 2015 TO 2017

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

Subject	2015	2016	2017
Number of resident deaths	10,903	10,747	11,218
City and County of Honolulu	7,504	7,451	7,721
Hawaii County	1,678	1,687	1,777
Kauai County	564	551	589
Maui County (incl. Kalawao)	1,157	1,058	1,131
Males per 100 females	110.3	113.4	114.7
Median age (years)	79	79	79
Centenarian deaths:	172	171	207
Male	38	44	46
Female	134	127	161
Oldest (age in years):	108	110	107
Male	104	105	106
Female	108	110	107
Percent married	37.2	37.5	37.8
Deaths under 1 year	105	105	88
Per 1,000 live births	5.7	5.8	5.0
Fetal deaths 1/	2,755	3,319	2,907
Per 1,000 deliveries	130.3	155.7	142.7
Fetal deaths, 20 or more weeks gestation 2/	145	159	169
Per 1,000 live births	7.9	8.8	9.7
Standard fetal deaths 3/	766	808	696
Elective abortions	1,989	2,511	2,211
Per 1,000 live births	108.2	139.5	126.6

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: 2017

[Place of residence basis. Excludes deaths to Hawaii residence occurring out of state. Causes of death were coded according to the International Classification of Diseases, Version 10]

Causes of death	Both sexes	Males 1/	Females
Total deaths	11,218	5,993	5,225
Malignant neoplasm (cancer)	2,406	1,340	1,066
Stomach	67	43	24
Colon, rectum and anus	224	111	113
Pancreas	216	108	108
Trachea, bronchus and lung	541	323	218
Breast (female)	154	-	154
Cervix uteri, corpus uteri and ovary	96	-	96
Prostate	127	127	-
Urinary tract	99	79	20
Non-Hodgkin's lymphoma	85	45	40
Leukemia	90	56	34
Other malignant neoplasms	707	448	259
Diabetes mellitus	296	174	122
Alzheimer's disease	464	142	322
Diseases of the heart	2,536	1,464	1,072
Hypertensive heart disease	214	129	85
Ischemic heart disease	1,251	783	468
Other forms of heart disease	1,071	552	519
Hypertension	122	53	69
Cerebrovascular disease	756	338	418
Other circulatory system diseases (inc. atherosclerosis)	122	65	57
Influenza/pneumonia	630	281	349
Chronic lower respiratory diseases	374	196	178
Chronic liver disease and cirrhosis	128	78	50
Nephritis and nephrosis	203	123	80
Perinatal conditions	57	29	28
Congenital anomalies	31	18	13
Symptoms & ill-defined conditions (inc. sudden infant death syndrome)	112	60	52
Other diseases 2/	2,107	1,034	1,073
Motor vehicle accidents	102	77	25
All other & unspecified accidents & adverse effects	483	305	178
Intentional self-harm (suicide)	221	165	56
Assault	35	26	9
All other external causes	33	25	8

1/ Unknown sex classified as male.

2/ Includes Tuberculosis, HIV Disease, Peptic Ulcer, and Pregnancy, Childbirth, and Puerperium.

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 2020**

[Complete through June 1, 2020]

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 2020

[Includes all accidents, natural disasters, and other events causing five or more deaths.
Complete through June 1, 2020]

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
2019: June 21	Dillingham Airfield, Oahu	Airplane crash	11
Dec. 26	Kokee, Kauai	Helicopter crash	7

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 2017

[Place of occurrence basis]

Method	1980	1990	2000	2010	2016	2017
All methods	5,204	7,055	8,511	9,654	11,057	11,525
Cremation	2,241	3,564	5,092	6,661	8,012	8,405
Burial	2,343	2,798	2,767	2,322	2,375	2,387
Removal	567	656	591	562	501	527
Medical science	-	-	40	91	150	183
All others 1/	53	37	21	18	19	23

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, 2005 TO 2019, AND BY LEVEL OF VISUAL IMPAIRMENT, 2019

[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					
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 1/	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
2019	3,065	2,423	338	125	179
Level of visual impairment: 2019					
Total	3,065	2,423	338	125	179
Blind 2/	2,670	2,112	290	106	162
Visually impaired 3/	395	311	48	19	17

1/ For the City and County of Honolulu, figures for June 30, 2009 reflect administrative efforts to delete deceased persons on the State Blind Register.

2/ 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.

3/ 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: 2014 TO 2018

Disease	2014	2015	2016	2017	2018
Cases 1/					
AIDS	34	35	19	13	10
Campylobacteriosis	737	572	524	627	864
E. coli 0157:H7	25	42	28	29	12
Fish poisoning 2/	24	30	30	33	24
Giardiasis	43	43	41	53	44
Gonorrhea	1,020	1,252	1,463	1,358	1,278
Hansen's Disease 3/	14	7	15	17	17
Hepatitis A	5	8	296	12	4
Hepatitis B (acute)	5	10	1	-	3
Influenza 4/	5,382	7,477	5,129	12,417	8,067
Leptospirosis 5/	23	23	33	25	22
Malaria 6/	5	1	1	4	2
Measles (rubeola) 6/	15	-	1	-	-
Meningitis, bacterial	2	5	2	1	1
Mumps 7/	1	4	10	843	240
Pertussis (whooping cough) 4/	38	46	56	39	36
Pneumococcal disease	89	67	101	109	108
Rubella 6/	-	-	-	-	-
Salmonellosis	323	299	327	299	361
Shigellosis	29	82	41	41	242
Syphilis (primary & secondary)	68	92	112	94	91
Tuberculosis	136	127	119	117	114
Zika Virus	(NA)	6	22	11	7
Deaths 8/					
AIDS	18	13	14	12	(NA)
Hepatitis B (acute)	6	(9/)	6	-	(NA)
Influenza	13	38	16	40	(NA)
Meningitis, bacterial	(9/)	-	(9/)	(9/)	(NA)
Pneumococcal disease	(9/)	(9/)	-	(9/)	(NA)
Salmonellosis	-	-	(9/)	-	(NA)
Syphilis	-	-	-	-	(NA)
Tuberculosis	6	(9/)	5	(9/)	(NA)

Continued on next page.

Table 2.23--SPECIFIED COMMUNICABLE DISEASES: 2014 TO 2018 -- Con.

NA Not available.

1/ Place of occurrence basis.

2/ Includes scombroid, ciguatera and hallucinogenic fish poisoning.

3/ Excludes reinstated cases.

4/ Includes laboratory confirmed and clinically diagnosed cases.

5/ Includes previously unreported cases.

6/ Includes indigenous and imported cases.

7/ Includes laboratory confirmed and clinically diagnosed cases. Includes indigenous and imported cases.

8/ Place of residence basis. For the years shown, no deaths were reported from campylobacteriosis, fish poisoning, giardiasis, gonorrhea, 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.

9/ Less than 5 deaths.

Source: Hawaii State Department of Health, and Disease Outbreak Control Division, "Historical Summary of Reported Cases of Notifiable Diseases, Hawaii, 2009-2018" <<https://health.hawaii.gov/docd/resources/reports/summary-of-reported-cases-of-notifiable-diseases/>> accessed July 10, 2020 and Office of Health Status Monitoring, records.

**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS
18 YEARS AND OLDER, BY COUNTY: 2018**

[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/	7.2	5.0	7.4	7.8	7.8
Lack of physical activities 2/	19.9	19.7	20.5	18.9	16.7
Less consumption of vegetables 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Less consumption of fruit or fruit juice 4/	(NA)	(NA)	(NA)	(NA)	(NA)
Binge drinking 5/	19.2	19.2	19.4	20.9	18.9
Current smoker 6/	13.4	17.0	12.3	14.8	15.2
Current use of e-cigarettes 7/	7.1	6.3	7.6	7.6	6.6
Diagnosed with asthma	16.3	19.3	16.2	14.8	17.2
Diagnosed with kidney disease 8/	2.9	2.6	3.1	3.5	2.7
Diagnosed with diabetes	11.5	11.4	12.0	11.0	9.0
Diagnosed with high cholesterol	(NA)	(NA)	(NA)	(NA)	(NA)
Diagnosed with hypertension	33.5	33.1	33.7	35.4	31.6
Overweight 9/	34.6	35.1	34.5	31.8	36.8
Obese I 9/	15.2	16.2	15.3	15.6	14.5
Obese II 9/	5.8	6.9	5.8	5.8	5.9
Obese III 9/	3.9	4.9	3.6	3.9	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 June 16, 2020.

Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES, BY TYPE OF FACILITY: 2003 TO 2018

[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
2018	87	23	47	28
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
2018	8,067	2,582	4,439	1,046

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 December 16, 2019, 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 2018**

[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
2018	103,185	1,690	65.5
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
2018	10,791	3,733	84.1

Source: State Health Planning & Development Agency, *Health Care Utilization Report* (annual) <<http://health.hawaii.gov/shpda/>> accessed December 16, 2019; 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: 2018

[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	87	23	47	28
Oahu	57	10	30	21
Hawaii	14	6	8	3
Kauai	6	3	5	-
Maui	7	2	3	3
Molokai	2	1	-	1
Lanai	1	1	1	-
Number of licensed beds				
State total	8,067	2,582	4,439	1,046
Oahu	5,705	1,900	2,853	952
Hawaii	1,142	324	794	24
Kauai	444	111	333	-
Maui	742	228	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 2018 Data* <<http://health.hawaii.gov/shpda/>> accessed December 16, 2019; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.28-- NUMBER AND BED CAPACITY OF STATE-LICENSED ADULT RESIDENTIAL CARE HOMES (ARCH), BY TYPE OF FACILITY AND ISLAND: 2020

[As of March 1. Facilities and care home beds are licensed by the Office of Health Care Assurance]

Category and island	Total	Type I 1/ Type I 1/	Type I Expanded 2/ Type I 2/	Type II 3/ Type II 3/	Type II Expanded 4/ Type II 4/
Number of facilities					
State total	439	184	217	4	34
Oahu	379	149	193	3	34
Hawaii	42	20	22	-	-
Kauai	6	6	-	-	-
Maui	9	7	1	1	-
Molokai	3	2	1	-	-
Lanai	-	-	-	-	-
Number of beds					
State total	2,429	829	1,068	109	423
Oahu	2,141	679	952	87	423
Hawaii	190	84	106	-	-
Kauai	26	26	-	-	-
Maui	57	30	5	22	-
Molokai	15	10	5	-	-
Lanai	-	-	-	-	-

1/ Resident requiring minimal assistance with activities of daily living (ADL) as in bathing, changing, walking, eating, getting out of bed; total capacity of 1-5 residents.

2/ Same as "Type I," except the total capacity is 6 or more residents.

3/ Resident requires 24 hour assistance with the normal ADLs and/or may require skilled nursing services; total capacity of 1-5 residents.

4/ Same as "Type I Expanded," except the total capacity is 6 or more residents.

Source: Hawaii State Department of Health, Office of Health Care Assurance, *Combined ARCH-Expanded ARCH Vacancy Report - By Area* <<https://health.hawaii.gov/ohca/state-licensing-section/>> accessed

March 10, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism

**Table 2.29-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED
ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLAND: 2018**

[Figures based on facilities that reported their activity]

Type of facility and island	Admissions	Occupancy (%)	Average daily census
Acute care 1/			
State total	108,262	65.5	1,690
Hawaii	13,245	67.5	219
Oahu	81,098	65.3	1,241
Kauai	4,986	55.1	61
Maui	8,876	74.2	169
Molokai	57	3.4	1
Lanai	-	0.0	-
Long-term care 1/			
State total	10,791	84.1	3,733
Hawaii	1,483	87.2	692
Oahu	8,202	83.8	2,389
Kauai	454	80.5	268
Maui	637	83.4	375
Molokai	-	0.0	-
Lanai	15	87.7	9

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

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2018 Data* <<https://health.hawaii.gov/shpda/>> accessed July 6, 2020.

**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 (percent)					
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 (percent) 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 2019

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
2019	206	224	213	507
State-supported outpatient community mental health centers 1/				
2005	4,996	2,056	1,455	6,149
2006	5,249	1,920	1,612	6,609
2007	4,073	2,540	4,108	7,998
2008	3,895	2,960	3,348	7,153
2009	3,475	3,463	4,079	6,670
2010	3,496	2,925	2,997	5,810
2011	2,996	2,473	2,815	4,392
2012	2,796	2,211	2,411	4,030
2013	3,000	2,121	1,797	3,744
2014	2,801	1,918	1,763	3,480
2015	2,625	1,095	1,368	2,899
2016	2,525	917	1,139	2,571
2017	2,491	1,165	1,336	2,561
2018	2,439	1,250	1,443	2,495
2019	2,149	950	1,074	2,176

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 2019**

[Fiscal year ending June 30]

Year	Number of beds on June 30 1/	Admissions		Patients in hospital 3/	
		Total	First time 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
2019	202	364	153	203	208

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 for which the data were collected.

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: 2015 TO 2019

Subject	2015	2016	2017	2018	2019
Patients on register, Dec. 31	285	296	306	306	293
Department of Health, Hansen's Disease					
Community Program 1/	270	283	293	294	281
Kalaupapa	15	13	13	12	12
New cases	7	15	17	17	15
Deaths	1	2	-	1	-

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

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

Table 2.34-- ESTIMATED USE OF SELECTED SUBSTANCES, FOR HAWAII AND THE UNITED STATES: 2017-2018

[Data in this table are annual averages based on the 2017-2018 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	102	8.80	26,832	9.83
Any illicit drug use other than marijuana 2/	33	2.82	9,007	3.30
Binge alcohol 3/	264	22.79	66,848	24.49
Tobacco product 4/	187	16.12	59,922	21.96
Cigarette	152	13.11	47,823	17.52
Use in the past year				
Marijuana	165	14.29	42,211	15.47
Cocaine	24	2.10	5,736	2.10
Methamphetamine	11	0.96	1,750	0.64
Pain reliever misuse 5/	36	3.13	10,512	3.85

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, 2017-2018" <<https://www.samhsa.gov/data/nsduh/state-reports-NSDUH-2018>> accessed July 10, 2020.

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:
FEBRUARY 3, 2020**

[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/	11,012	5,305	4,048	559	478	209	9	2	5,661	46
Certified physician assistants	428	307	203	40	51	13	-	-	121	-
Advanced practice registered nurses	1,662	1,175	899	139	83	46	7	1	482	5
Registered nurses	24,953	15,715	11,547	1,848	1,521	735	42	22	9,169	69
Pharmacists	2,686	1,499	1,123	173	125	73	4	1	1,183	4
Dentists	1,464	1,131	854	114	107	52	3	1	322	11
Optometrists	458	317	243	31	29	13	1	-	141	-
Physical therapists	1,676	1,068	747	129	124	65	3	-	601	7
Psychologists	1,171	836	649	93	59	34	-	1	331	4
Mental health counselors	563	466	332	76	39	15	4	-	97	-

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

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Licensing Branch, "Geographic Report (Current Licenses) as of February 3, 2020" <<https://cca.hawaii.gov/pvl/reports/>> accessed June 16, 2020; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism

**Table 2.37-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), BY FEDERAL TAX STATUS AND KIND OF BUSINESS: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Federal tax status and kind of business	Establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Subject to federal income tax				
62	Health care and social assistance	2,844	3,771,589	1,584,522	29,918
621	Ambulatory health care services	2,597	3,208,696	1,353,217	22,564
6211	Offices of physicians	1,099	1,193,088	543,019	6,875
6212	Offices of dentists	621	515,942	195,518	4,035
6213	Offices of other health practitioners	596	265,886	97,791	2,607
6214	Outpatient care centers	123	724,770	313,426	3,909
6215	Medical and diagnostic laboratories	57	309,314	103,738	1,801
6216	Home health care services	(D)	(D)	(D)	(2/)
6219	Other ambulatory health care services	(D)	(D)	(D)	(3/)
623	Nursing and residential care facilities	106	447,746	175,637	4,978
6231	Nursing care facilities (skilled nursing facilities)	39	352,919	141,616	3,792
6232	Residential intellectual and developmental disability, mental health, and substance abuse facilities	(D)	(D)	(D)	(4/)
6233	Continuing care retirement communities and assisted living facilities for the elderly	54	71,383	26,913	915
6239	Other residential care facilities	(D)	(D)	(D)	(5/)
624	Social assistance	141	115,147	55,668	2,376
6241	Individual and family services	70	68,128	32,415	1,557
6243	Vocational rehabilitation services	(D)	(D)	(D)	(4/)
6244	Child day care services	48	22,599	11,240	459

Continued on next page.

**Table 2.37-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), BY FEDERAL TAX STATUS AND KIND OF BUSINESS: 2017 -- Con.**

NAICS code	Federal tax status and kind of business	Establishments	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Exempt from federal income tax				
62	Health care and social assistance	833	6,014,111	2,413,887	43,633
621	Ambulatory health care services	142	783,021	334,188	6,514
6214	Outpatient care centers	102	614,588	252,777	4,385
6216	Home health care services	(D)	(D)	(D)	(2/)
6219	Other ambulatory health care services	(D)	(D)	(D)	(6/)
622	Hospitals	29	4,350,582	1,703,122	23,312
6221	General medical and surgical hospitals	23	3,753,475	1,468,402	19,886
6223	Specialty (except psychiatric and substance abuse) hospitals	(D)	(D)	(D)	(7/)
623	Nursing and residential care facilities	75	281,286	122,674	3,512
6231	Nursing care facilities (skilled nursing facilities)	11	100,163	43,685	1,125
6232	Residential intellectual and developmental disability, mental health, and substance abuse facilities	46	78,574	30,561	1,029
6233	Continuing care retirement communities and assisted living facilities for the elderly	9	84,772	42,899	1,176
6239	Other residential care facilities	9	17,777	5,529	182
624	Social assistance	587	599,222	253,903	10,295
6241	Individual and family services	258	319,241	144,904	6,126
6242	Community food and housing, and emergency and other relief services	(D)	(D)	(D)	(3/)
6243	Vocational rehabilitation services	(D)	(D)	(D)	(2/)
6244	Child day care services	217	105,705	53,932	2,165

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

1/ For week including March 12.

2/ 1,000 to 2,499 employees.

3/ 500 to 999 employees.

4/ 250 to 499 employees.

5/ 0 to 19 employees.

6/ 100 to 249 employees

7/ 2,500 to 4,999 employees

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1762BASIC <<https://census.hawaii.gov>> accessed February 7, 2020.

**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), BY COUNTY AND PLACE: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
State total	3,677	9,785,700	3,998,409	73,551
Hawaii County	476	917,226	420,060	8,222
Captain Cook	7	1,594	622	28
Hawaiian Beaches	(D)	(D)	(D)	(2/)
Hawaiian Paradise Park	5	1,032	(D)	(2/)
Hilo	233	473,300	247,757	4,621
Holualoa	(D)	(D)	(D)	(2/)
Honalo	(D)	(D)	(D)	(3/)
Kahaluu-Keauhou	7	18,203	6,764	186
Kailua	64	64,921	30,570	694
Kalaoa	9	9,978	3,859	76
Waikoloa Village	4	1,902	931	43
Waimea	30	82,320	32,512	608
Balance of Hawaii County	(D)	(D)	(D)	(4/)
Honolulu County	2,578	7,522,451	2,994,183	54,227
Ahuimanu	7	14,524	3,964	88
Aiea	53	67,821	19,988	270
East Honolulu	82	105,491	38,759	990
Ewa Beach	29	203,571	87,224	1,338
Ewa Gentry	4	2,424	981	14
Ewa Villages	4	15,530	6,345	177
Halawa	18	143,569	50,104	1,199
Haleiwa	15	9,013	(D)	(2/)
Heeia	4	440	104	3
Kahaluu	4	1,355	559	23
Kahuku	7	27,100	13,101	309
Kailua	147	316,371	127,170	2,022
Kaneohe	109	204,266	96,764	2,232
Kapolei	31	59,042	30,777	1,550
Ko Olina	(D)	(D)	(D)	(5/)
Laie	4	2,119	858	35
Maili	6	4,432	2,125	85

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**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), BY COUNTY AND PLACE: 2017 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Honolulu County (con.)				
Makaha	8	13,993	5,563	184
Makakilo	(D)	(D)	(D)	(2/)
Mililani Mauka	(D)	(D)	(D)	(2/)
Mililani Town	30	31,672	15,915	306
Nanakuli	5	3,935	1,395	29
Ocean Pointe	13	17,477	5,464	140
Pearl City	71	93,878	38,791	909
Royal Kunia	(D)	(D)	(D)	(6/)
Urban Honolulu	1,529	5,292,820	2,084,380	34,983
Wahiawa	(D)	(D)	(D)	(7/)
Waianae	33	96,279	46,965	917
Waikele	8	9,749	3,681	88
Waimalu	90	369,961	137,861	2,156
Waimanalo	(D)	(D)	(D)	(6/)
Waimanalo Beach	6	2,071	1,013	24
Waipahu	92	119,564	45,720	1,074
Waipio	19	42,112	17,692	224
Balance of Honolulu County	49	82,034	34,912	1,031
Kauai County	192	413,287	180,241	3,324
Eleele	3	4,092	3,083	71
Hanapepe	(D)	(D)	(D)	(3/)
Kalaheo	(D)	(D)	(D)	(2/)
Kapaa	32	38,319	19,325	321
Kilauea	11	6,712	1,922	68
Koloa	(D)	(D)	(D)	(3/)
Lihue	92	279,338	118,482	2,135
Wailua	3	971	395	14
Balance of Kauai County	(D)	(D)	(D)	(7/)
Maui County	431	932,736	403,925	7,778
Haiku-Pauwela	7	2,179	697	16
Kaanapali	(D)	(D)	949	(2/)
Kahului	97	187,021	83,437	1,757
Kaunakakai	19	29,299	11,396	290
Kihei	39	36,437	14,086	302
Kula	(D)	(D)	(D)	(2/)
Lahaina	29	21,166	8,675	192

Continued on next page.

**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), BY COUNTY AND PLACE: 2017 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Maui County (con.)				
Lanai City	13	13,510	6,072	105
Makawao	19	7,108	2,985	84
Napili-Honokowai	3	4,187	(D)	(3/)
Paia	(D)	(D)	(D)	(2/)
Pukalani	(D)	(D)	(D)	(2/)
Wailea	8	11,097	2,954	49
Wailuku	138	541,929	238,576	4,217
Balance of Maui County	26	65,612	27,808	584

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

1/ For week including March 12.

2/ 20 to 99 employees

3/ 0 to 19 employees.

4/ 1,000 to 2,499 employees.

5/ 250 to 499 employees.

6/ 100 to 249 employees.

7/ 500 to 999 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1762BASIC <<https://data.census.gov>>
accessed July 6, 2020.

Table 2.39-- MARRIAGES: 2004 TO 2017

[Place of occurrence basis]

Year	Marriages		Rates per 1,000 resident population 2/	Percent of marriages	
	Total	Resident 1/		Nonresident 3/	Interracial 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
2016	22,241	8,652	6.1	61.1	55.2
2017	21,922	8,598	6.0	60.8	57.2

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 2019. 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/ Both partners are nonresidents of Hawaii.

4/ Excludes nonresident marriages.

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, *Population and Housing Unit Estimates*, Tables ST-EST00INT-01 (September 2011) and NST-EST-2019-01 (December 2019)

<<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 10, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.40-- CHARACTERISTICS OF MARRIAGES: 2014 TO 2017

[Place of occurrence basis]

Subject	2014	2015	2016	2017
Number	25,175	22,834	22,241	21,922
Percent on Oahu	49.5	50.8	50.2	50.2
Percent Hawaii residents				
Both partners	33.5	35.1	35.1	35.3
One partner only	3.7	3.8	3.8	3.9
Neither partner	62.8	61.2	61.1	60.8
Median age (years)				
Males	35	35	35	35
Females	33	32	32	32
Percent previously married				
Males	33.7	34.6	34.5	33.4
Females	33.5	33.9	33.5	32.8

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: 2016 AND 2017

[Place of occurrence basis]

Year and category	Total	At least one Hawaii resident	Both nonresidents
2016			
All marriages	22,241	8,652	13,589
Race of partners			
Both partners same race	6,947	2,078	4,869
Different race 1/	3,734	2,565	1,169
Percent different race 2/	35.0	55.2	19.4
Not reported 3/	11,560	4,009	7,551
Type of ceremony			
Civil ceremony	2,916	2,519	397
Religious ceremony	19,325	6,133	13,192
2017			
All marriages	21,922	8,598	13,324
Race of partners			
Both partners same race	5,576	1,679	3,897
Different race 1/	3,291	2,246	1,045
Percent different race 2/	37.1	57.2	21.1
Not reported 3/	13,055	4,673	8,382
Type of ceremony			
Civil ceremony	2,907	2,490	417
Religious ceremony	19,015	6,108	12,907

1/ Includes marriages where either partner is Part Hawaiian.

2/ Based on number reporting.

3/ 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 2017

[Place of residence basis]

Subject	2000	2010	2015	2016	2017
Number					
Married couples	216,077	1/ 224,402	1/ 232,451	1/ 236,236	1/ 233,373
Marriages ended 2/	8,365	(NA)	(NA)	(NA)	(NA)
By divorce 2/	4,707	(3/)	(3/)	(3/)	(3/)
By death	3,658	3,757	4,053	3,924	4,244
Husbands	2,574	2,672	2,805	2,754	2,970
Wives	1,084	1,085	1,248	1,170	1,274
Percent					
Married couples	100.0	100.0	100.0	100.0	100.0
Marriages ended 2/	3.9	(NA)	(NA)	(NA)	(NA)
By divorce 2/	2.2	(NA)	(NA)	(NA)	(NA)
By death	1.7	1.7	1.7	1.7	1.8
Husbands	1.2	1.2	1.2	1.2	1.3
Wives	0.5	0.5	0.5	0.5	0.5

NA Not available.

1/ Based on a sample and subject to sampling variability.

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 Office of Health Status Monitoring, records; U.S. Census Bureau, American Community Survey 1-year estimates (annual), Table DP02 <<https://data.census.gov/>> accessed July 10, 2020.

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: 2018
03.02	Educational Attainment, by Age and Sex: 2018
03.03	Educational Attainment of Persons 25 Years Old and Over: 1940 to 2018
03.04	Educational Attainment of Persons 25 Years Old and Over, by County: 2018
03.05	Educational Attainment of Persons 25 Years Old and Over, for Hawaii and the United States: 2018
03.06	Private Educational Services (NAICS 611), by Type of Service: 2017
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03.08	Top 20 Largest Private Schools by Campus, Enrollment and Tuition: 2018-2019
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03.13	Public School Enrollment by Grade and County: 2019-2020
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03.15	Hawaii State High School Graduates from Public and Private High Schools: 1990 to 2019
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 2018-2019
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03.19	Ethnicity of Public School Students: 2017-2018
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03.21	Hawaii Smarter Balanced Assessment Results for English Language Arts and Mathematics: 2018-2019
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03.23	College and Career Readiness Indicators, by County: 2019
03.24	Headcount Enrollment at the University of Hawaii, by Campus: Fall 2010 to 2019
03.25	Degrees, Diplomas, and Certificates Awarded by the University of Hawaii: 2010 to 2019
03.26	University of Hawaii Curricula, Tuition, Finances, and Faculty and Staff: 2016 to 2019

Table
Number **Table Name**

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

03.27	Enrollment and Earned Degrees Conferred, for Private Colleges and Universities: 2010 to 2019
03.28	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
03.29	Characteristics of the Hawaii State Library System: 2015 to 2019
03.30	Characteristics of the Hawaii State Library System, by County: 2019
03.31	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; college readiness; 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.

**Table 3.01-- SCHOOL ENROLLMENT, BY TYPE OF SCHOOL AND AGE
BY SEX: 2018**

[Based on a sample and subject to sampling variability]

Subject	Total	Male	Female
TYPE OF SCHOOL			
Persons 3 years and over enrolled	325,091	163,763	161,328
Enrolled in nursery school, preschool	22,528	11,416	11,112
Public school	9,021	4,483	4,538
Enrolled in kindergarten	14,393	8,244	6,149
Public school	11,013	6,545	4,468
Enrolled in grade 1 to grade 4	66,822	33,712	33,110
Public school	58,471	28,969	29,502
Enrolled in grade 5 to grade 8	68,113	35,692	32,421
Public school	56,304	29,640	26,664
Enrolled in grade 9 to grade 12	61,031	31,495	29,536
Public school	50,979	26,829	24,150
Enrolled in college undergraduate years	75,266	35,633	39,633
Public school	58,790	28,406	30,384
Enrolled in graduate or professional school	16,938	7,571	9,367
Public school	9,491	4,413	5,078
AGE			
Persons 3 years and over enrolled	325,091	163,763	161,328
3 and 4 years	18,146	9,603	8,543
Public school	7,114	3,553	3,561
5 to 9 years	79,963	41,349	38,614
Public school	66,291	34,341	31,950
10 to 14 years	83,277	42,535	40,742
Public school	69,251	35,619	33,632
15 to 17 years	44,365	22,523	21,842
Public school	37,236	19,329	17,907
18 and 19 years	19,441	7,831	11,610
Public school	14,686	5,858	8,828
20 to 24 years	31,123	15,239	15,884
Public school	25,091	12,607	12,484
25 to 34 years	25,440	13,047	12,393
Public school	18,907	10,090	8,817
35 years and over	23,336	11,636	11,700
Public school	15,493	7,888	7,605

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates, Tables B14002 and B14003 <<https://data.census.gov>> accessed March 4, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 3.02-- EDUCATIONAL ATTAINMENT, BY AGE AND SEX: 2018

[Based on a sample and subject to sampling variability]

Age and educational attainment	Total	Male	Female
Persons 18 to 24 years	121,647	66,696	54,951
Less than 9th grade	1,759	892	867
9th to 12th grade, no diploma	8,448	5,074	3,374
High school graduate (includes equivalency)	46,510	29,912	16,598
Some college, no degree	44,981	22,371	22,610
Associate's degree	9,333	4,338	4,995
Bachelor's degree	9,805	3,746	6,059
Graduate or professional degree	811	363	448
Persons 25 to 34 years	201,025	104,029	96,996
Less than 9th grade	2,866	2,014	852
9th to 12th grade, no diploma	6,965	3,580	3,385
High school graduate (includes equivalency)	54,558	32,640	21,918
Some college, no degree	49,061	26,535	22,526
Associate's degree	24,025	12,543	11,482
Bachelor's degree	47,205	20,463	26,742
Graduate or professional degree	16,345	6,254	10,091
Persons 35 to 44 years	181,541	92,521	89,020
Less than 9th grade	3,052	1,349	1,703
9th to 12th grade, no diploma	7,426	4,936	2,490
High school graduate (includes equivalency)	43,239	24,826	18,413
Some college, no degree	35,782	17,516	18,266
Associate's degree	20,162	11,025	9,137
Bachelor's degree	46,471	22,328	24,143
Graduate or professional degree	25,409	10,541	14,868
Persons 45 to 64 years	351,556	174,342	177,214
Less than 9th grade	11,235	4,564	6,671
9th to 12th grade, no diploma	12,058	6,800	5,258
High school graduate (includes equivalency)	98,318	52,413	45,905
Some college, no degree	69,923	36,129	33,794
Associate's degree	44,109	20,460	23,649
Bachelor's degree	77,478	35,437	42,041
Graduate or professional degree	38,435	18,539	19,896

Continued on next page.

Table 3.02-- EDUCATIONAL ATTAINMENT, BY AGE AND SEX: 2018 -- Con.

Age and educational attainment	Total	Male	Female
Persons 65 years and over	261,467	118,699	142,768
Less than 9th grade	21,379	7,204	14,175
9th to 12th grade, no diploma	15,098	6,471	8,627
High school graduate (includes equivalency)	70,613	29,414	41,199
Some college, no degree	49,886	22,110	27,776
Associate's degree	22,261	10,733	11,528
Bachelor's degree	47,674	24,518	23,156
Graduate or professional degree	34,556	18,249	16,307

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates, Table B15001
 <<https://data.census.gov>> accessed March 4, 2020; 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 2018**

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
2018	92.0	33.5

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

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

Source: For 1940 through 2000, U.S. Census Bureau, Decennial Census Final Reports; from 2005, U.S. Census Bureau, American Community Survey 1-Year Estimates, Table DP02 <<https://data.census.gov>> accessed December 24, 2019.

Table 3.04-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER, BY COUNTY: 2018

[Based on a sample and subject to sampling variability]

Subject	State 1/	Hawaii	Honolulu	Kauai	Maui
Population 25 years and over	995,589	142,881	681,388	51,760	119,483
Percent					
High school graduate or higher 2/	92.0	92.4	91.8	92.0	92.4
With bachelor's degree or higher	33.5	29.6	35.2	31.4	29.5
With graduate or professional degree	11.5	10.5	12.1	9.2	10.4

1/ Includes Kalawao County, not shown separately.

2/ Includes equivalency.

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates, Table DP02

<<https://data.census.gov>> accessed December 24, 2019.

Table 3.05-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER, FOR HAWAII AND THE UNITED STATES: 2018

[Based on a sample and subject to sampling variability]

Geographic area	Population 25 years and over	Percent high school graduate or higher 1/	Percent Bachelor's degree or higher	Percent graduate or professional degree
Hawaii	995,589	92.0	33.5	11.5
United States	233,158,847	88.3	32.6	12.6
Hawaii rank 2/	40	14	19	3/ 24

1/ Includes equivalency.

2/ Among the 50 states and District of Columbia.

3/ Tied with Michigan and Missouri.

Source: U.S. Census Bureau, 2018 American Community Survey, 1-Year Estimates, Table B15002

<<https://data.census.gov>> accessed January 30, 2020, and Tables R1501 and R1502

<<https://www.census.gov/acs/www/data/data-tables-and-tools/ranking-tables/>> accessed January 30, 2020.

Table 3.06-- PRIVATE EDUCATIONAL SERVICES (NAICS 611), BY TYPE OF SERVICE: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Differences in definitions, coverage, and methodology affect the direct comparison of Economic Census and County Business Patterns data. Therefore, *Data Book* tables 3.06 and 3.07 are not directly comparable. For more information, see the following: <https://www.census.gov/programs-surveys/cbp/technical-documentation/methodology>]

NAICS code	Type of service	Establishments	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees 1/
611	Educational services	368	198,668	61,412	2,923
6114	Business schools, and computer and management training	31	16,582	6,550	139
6115	Technical and trade schools	38	33,147	9,277	240
6116	Other schools and instruction	272	129,907	39,552	2,399
6117	Educational support services	27	19,032	6,033	145

1/ For pay period including March 12.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1761BASIC <<https://data.census.gov>> accessed January 30, 2020.

Table 3.07-- PRIVATE EDUCATIONAL SERVICES (NAICS 611), BY TYPE OF SERVICE: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Differences in definitions, coverage, and methodology affect the direct comparison of Economic Census and County Business Patterns data. Therefore, *Data Book* tables 3.06 and 3.07 are not directly comparable. For more information, see the following: <https://www.census.gov/programs-surveys/cbp/technical-documentation/methodology>]

NAICS code	Type of service	Establishments	Paid employees 1/	Annual payroll (\$1,000)
611	Educational services	540	18,547	644,451
6111	Elementary and secondary schools	125	9,898	434,852
6112	Junior colleges	5	145	4,956
6113	Colleges, universities, and professional schools	34	5,629	141,857
6114	Business schools and computer and management training	33	137	5,661
6115	Technical and trade schools	38	235	9,409
6116	Other schools and instruction	276	2,332	40,459
6117	Educational support services	29	171	7,257

1/ For pay period including March 12.

Source: U.S. Census Bureau, 2017 County Business Patterns, Table CB1700CBP <<https://data.census.gov>> accessed March 6, 2020.

**Table 3.08-- TOP 20 LARGEST PRIVATE SCHOOLS BY CAMPUS,
ENROLLMENT AND TUITION: 2018-2019**

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

School	District	Enrollment	Tuition	
			Average (dollars)	Median (dollars)
Punahou School	Honolulu	3,727	24,780	24,780
Kamehameha Schools - Kapalama	Honolulu	3,192	5,009	4,528
Iolani School	Honolulu	1,908	23,450	23,450
Mid-Pacific Institute 1/	Honolulu	1,550	24,345	24,345
Kamehameha Schools - Hawaii	Hawaii	1,156	5,019	4,662
Kamehameha Schools - Maui	Maui	1,090	5,019	4,662
Maryknoll School	Honolulu	1,078	17,361	17,800
Hawaii Baptist Academy	Honolulu	1,026	16,900	16,900
Saint Louis School 2/	Honolulu	863	13,369	13,200
Le Jardin Academy 1/	Windward	791	20,932	21,815
Sacred Hearts Academy 3/	Honolulu	778	12,892	11,458
Hanalani Schools 1/	Central	635	12,398	12,045
Damien Memorial School 4/	Honolulu	635	12,746	14,306
Hawaii Preparatory Academy	Hawaii	588	23,073	22,950
Island Pacific Academy	Leeward	519	15,443	15,785
St. Francis School 5/	Honolulu	453	9,279	9,000
Seabury Hall 4/	Maui	453	20,700	20,700
St. Andrew's Schools 6/	Honolulu	449	17,648	17,838
Island School 1/	Kauai	402	15,243	15,600
Holy Family Catholic Academy 7/	Central	370	8,305	8,200

1/ Preschool-12 Coed.

2/ K-12 Boys.

3/ Preschool-12 Girls.

4/ 6-12 Coed.

5/ Early Childhood-12 Coed.

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

7/ Preschool-8 Coed.

Source: Hawaii Association of Independent Schools, *Private School Enrollment Report* and *Private School Tuition Report (2018-2019)* <<https://www.hais.us/RelId/622589/ISvars/default/Reports.htm>> accessed December 16, 2019.

**Table 3.09-- EXPENDITURES, TOTAL AND PER PUPIL, BY FUNCTION:
2015-2016 AND 2016-2017**

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

Expenditure type	2015-2016		2016-2017	
	Total	Per pupil (\$)	Total	Per pupil (\$)
Total	2,733,092	14,938	2,778,688	15,210
Elementary/secondary expenditures, total	2,502,117	13,748	2,600,074	14,322
Instruction	1,468,044	8,066	1,520,054	8,373
Support services, total	901,508	4,953	949,131	5,228
Student support 1/	240,765	1,323	244,802	1,348
Instructional staff 2/	80,451	442	87,772	483
General administration	17,736	97	13,048	72
School administration	168,086	924	186,738	1,029
Operation and maintenance	268,754	1,477	289,131	1,593
Student transportation	67,598	371	63,216	348
Other support services	58,118	319	64,424	355
Food services	132,566	728	130,889	721
Enterprise operations 3/	-	-	-	-
Current expenditures for other programs 4/	14,326	(NA)	16,960	(NA)
Capital outlay 5/	216,649	1,190	161,655	889
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 16, 2020.

Table 3.10-- APPROPRIATED FUNDS AND EXPENDITURES BY CATEGORY 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	2,716	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	1/ 2,998	1/ 2,713	222	52	11
Personnel services	2,083	1,961	120	-	2
Other	1/ 915	1/ 752	102	52	9
Funds carried over	1/ 52	1/ 52	-	-	-
Lapsed ceiling	91	1	53	32	5

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Education, Office of Fiscal Services, *Financial Report* (annual)

<<http://www.hawaiipublicschools.org/VisionForSuccess/SchoolDataAndReports/reportfinder/Pages/home.aspx?fk=financial%20report#k=financial%20report%20%20>> accessed July 9, 2020.

**Table 3.11-- BUDGETED FUNDS, EXPENDITURES, ENROLLMENT, AND
NUMBER OF SCHOOLS: 2017 AND 2018**

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

Item	2017	2018	Percent change, 2017 to 2018
Appropriated funds total	2,953	3,148	6.6
General funds	2,584	2,773	7.3
Federal funds	267	275	3.0
Special funds	84	84	0.0
Trust funds	18	16	-11.1
Expenditures total	2,822	3,012	6.7
General funds	2,511	2,727	8.6
Federal funds	260	222	-14.6
Special funds	44	52	18.2
Trust funds	7	11	57.1
Enrollment total (number) 1/	179,902	179,255	-0.4
Department schools (number)	169,268	168,095	-0.7
Charter schools (number)	10,634	11,160	4.9
Schools (number)	290	292	0.7
Department schools	256	256	0.0
Charter schools	34	36	5.9

1/ Based on official enrollment.

Source: Hawaii State Department of Education, Office of Superintendent, *2018 Hawaii Department of Education Data Book* (November 2019) <<http://arch.k12.hi.us/state/databook/databook.html>> accessed March 16, 2020, 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	1/ 2,408,413,258
Instruction and related services	1,757,564,142	1,800,391,057	1/ 1,960,593,152
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 2/	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	1/ 2,713,326,267
Ending budget balance	47,567,787	69,887,788	1/ 51,848,096

1/ Revised from previous *Data Book*.

2/ 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, *Financial Report* (annual)<<http://www.hawaiipublicschools.org/VisionForSuccess/SchoolDataAndReports/reportfinder/Pages/home.aspx?fk=financial%20report#k=financial%20report%20%20>> accessed July 9, 2020.

**Table 3.13-- PUBLIC SCHOOL ENROLLMENT, BY GRADE AND COUNTY:
2019-2020**

[For school year]

Grade	State total	Hawaii	Maui	Honolulu	Kauai	Charter schools
All grades	181,088	23,622	21,229	114,980	9,361	11,896
Nursery	1,757	211	178	1,277	72	19
Kindergarten	13,074	1,654	1,528	8,293	654	945
1	13,672	1,677	1,589	8,781	638	987
2	13,341	1,739	1,616	8,449	653	884
3	13,279	1,685	1,592	8,358	698	946
4	13,447	1,686	1,559	8,610	642	950
5	10,506	1,392	1,284	6,393	614	823
6	13,221	1,644	1,446	8,239	679	1,213
7	12,664	1,553	1,481	8,004	639	987
8	12,178	1,480	1,406	7,677	643	972
9	13,141	1,860	1,584	8,367	693	637
10	11,926	1,635	1,504	7,533	653	601
11	10,923	1,492	1,260	7,006	662	503
12	9,999	1,284	1,128	6,578	581	428
Special Ed.	17,960	2,630	2,074	11,415	840	1,001

Source: Hawaii State Department of Education, Official Enrollment Count SY 19-20
<<http://www.hawaiipublicschools.org/VisionForSuccess/SchoolDataAndReports/SchoolReports/Pages/home.aspx>> accessed December 16, 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	24,273	13.3	9,547	14,726
2018 1/	22,601	12.4	8,169	14,432

1/ 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 2019

[As of June. Excludes home schoolers and students who earned high school diplomas 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
2019	13,545	10,748	2,797

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 December 16, 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 2018-2019

[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	22.3
2002-2003	10,727	10,857	87.0	12.5	56	23.5
2003-2004	10,884	11,010	84.9	12.0	53	25.6
2004-2005	10,972	11,103	84.6	11.6	52	26.9
2005-2006	10,960	11,075	86.0	11.5	52	28.1
2006-2007	11,052	11,154	86.3	11.4	52	29.0
2007-2008	10,963	11,151	87.5	11.4	53	30.0
2008-2009	10,885	11,094	90.3	11.6	55	31.0
2009-2010	10,888	10,967	93.4	12.1	58	32.3
2010-2011	10,809	10,871	95.5	13.1	61	33.9
2011-2012	10,863	10,927	96.5	12.2	62	34.8
2012-2013	10,826	10,886	96.8	13.2	62	35.3
2013-2014	10,922	10,984	96.7	13.2	60	36.1
2014-2015	10,810	10,864	96.5	13.4	60	36.8
2015-2016	10,882	10,942	95.9	12.4	59	36.6
2016-2017	10,902	10,955	95.9	12.5	58	36.9
2017-2018	11,014	11,060	95.4	13.3	58	37.4
2018-2019	11,127	11,172	95.1	13.5	57	37.6

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 February 21, 2020.

Table 3.18-- SELECTED CHARACTERISTICS OF PUBLIC SCHOOL STUDENTS: 2001-2002 TO 2018-2019

[For school year. In percent unless otherwise noted. Includes all public 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	6/ 13.9	6/ 83.0
2017-2018	94.6	93.0	96.0	9.1	6/ 12.5	6/ 84.6
2018-2019	94.4	93.1	96.0	9.1	12.7	84.3

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. This methodology includes students who transferred into the school or state during the four-year period.

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

6/ Revised from previous *Data Book*.

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

Table 3.19-- ETHNICITY OF PUBLIC SCHOOL STUDENTS: 2017-2018

Ethnicity 1/	Students	Percent
Total	179,255	100.0
Native Hawaiian	44,556	24.9
Filipino	40,293	22.5
White 2/	33,488	18.7
Japanese	16,379	9.1
Other Micronesian	8,235	4.6
Samoan	5,961	3.3
Chinese	5,512	3.1
Black or African American	5,137	2.9
Hispanic	4,879	2.7
Portuguese	3,028	1.7
Indo-Chinese	2,115	1.2
Korean	2,006	1.1
Multiple, two or more ethnicities	1,864	1.0
Other Pacific Islander 3/	1,487	0.8
Tongan	1,364	0.8
Other Asian 4/	1,333	0.7
Native American	1,052	0.6
Guamanian or Chamorro	566	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, *2018 Hawaii Department of Education Data Book* (November 2019), Appendix C, Table 7

<<http://arch.k12.hi.us/state/databook/databook2017.html>> accessed March 16, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 3.20-- ETHNICITY OF PUBLIC SCHOOL TEACHERS: 2017-2018

Ethnicity	Teachers	Percent
Total	11,461	100.0
White	2,881	25.1
Other 1/	2,859	24.9
Japanese	2,686	23.4
Hawaiian/Part-Hawaiian	1,209	10.5
Filipino	804	7.0
Chinese	367	3.2
Hispanic	327	2.9
Korean	139	1.2
Black or African American	105	0.9
Samoan	64	0.6
Native American	20	0.2

1/ Includes teachers reporting multiple ethnicities.

Source: Hawaii State Department of Education, Office of the Superintendent, *2018 Hawaii Department of Education Data Book* (November 2019), Appendix C, Table 7
 <<http://arch.k12.hi.us/state/databook/databook2017.html>> accessed March 16, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.21-- HAWAII SMARTER BALANCED ASSESSMENT RESULTS FOR
ENGLISH LANGUAGE ARTS AND MATHEMATICS: 2018-2019**

[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	88,289	47,573	53.9	88,857	38,014	42.8
Grade 3	13,761	7,231	52.5	13,849	7,784	56.2
Grade 4	10,808	5,588	51.7	10,899	5,293	48.6
Grade 5	14,176	8,050	56.8	14,251	6,311	44.3
Grade 6	13,623	7,162	52.6	13,699	5,597	40.9
Grade 7	13,065	6,916	52.9	13,164	5,064	38.5
Grade 8	12,401	6,434	51.9	12,471	4,770	38.2
Grade 11	10,455	6,192	59.2	10,524	3,195	30.4

Source: Hawaii State Department of Education, Smarter Balanced Assessment Results
<<http://www.hawaiipublicschools.org/TeachingAndLearning/Testing/StateAssessment/Pages/home.aspx>>
accessed December 16, 2019; and calculations by the Hawaii State Department of Business, Economic
Development & Tourism.

Table 3.22-- SAT SCORE AVERAGES FOR HAWAII AND THE UNITED STATES: 2006 TO 2019

[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		
	Math	Reading	Writing	Math	Reading	Writing
Old SAT 1/						
2006	509	482	472	518	503	497
2007	506	484	473	514	501	493
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
Year and test type	Hawaii average			U.S. average		
	Math	Evidence-based Reading and Writing (ERW)		Math	Evidence-based Reading and Writing (ERW)	
New SAT 3/						
2017	541		544	527		533
2018	549		550	531		536
2019	550		550	531		528

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 December 16, 2019.

**Table 3.23-- COLLEGE AND CAREER READINESS INDICATORS,
BY COUNTY: 2019**

[For high school graduating class of 2019]

Subject	State	Hawaii	Honolulu	Kauai	Maui
High school completers	10,853	1,628	7,345	649	1,231
Diploma with any Honors (percent) 1/	32	22	34	37	26
Academic Honors (percent)	26	20	28	25	21
CTE Honors (percent) 2/	15	7	16	26	11
STEM Honors (percent) 3/	4	2	4	5	2
Seal of Biliteracy (percent) 4/	2	1	3	1	3
On-time graduation rate (percent)	85	82	86	92	83
Completers taking ACT	8,679	1,324	5,900	466	989
Percent college ready: English $\geq$ 18	38	31	40	37	34
Percent college ready: Math $\geq$ 22	23	18	24	22	20
Percent college ready: Science $\geq$ 23	20	16	21	15	16
Dual Credit					
Participating	2,388	355	1,407	336	290
Earning 6 or more credits	1,366	244	784	205	153
Advanced Placement (AP)					
Taking AP exams	3,999	455	2,933	216	395
Scoring a 3 or more on an exam	1,857	177	1,448	67	165
Career Technical Education (CTE)					
Finishing a CTE program	6,486	844	4,311	528	803
College enrollment	5,936	770	4,090	378	698
2-year (percent of completers)	21	21	23	33	6
4-year (percent of completers)	34	26	33	26	51

1/ Students may earn multiple Honor Certificates, but are only counted once in total.

2/ Career and Technical Education.

3/ Science, Technology, Engineering and Mathematics Honors.

4/ Awarded to graduating students who demonstrated a high proficiency in both of the state's two official languages (English and 'Ōlelo Hawai'i) or either of the state's two official languages and at least one additional language, including American Sign Language.

Source: Hawaii P-20, *College & Career Readiness Indicators Report (CCRI) for Class of 2019*

<http://hawaiiidxp.org/research/ccri_reports> accessed June 26, 2020.

**Table 3.24-- HEADCOUNT ENROLLMENT AT THE UNIVERSITY OF HAWAII,
BY CAMPUS: FALL 2010 TO 2019**

[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
2019	49,977	17,490	12,255	4,456	691	88	3,372	3,049
Year	UH Community Colleges							
	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
2019	26,066	3,510	6,488	6,568	2,520	2,615	1,373	2,992

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

Source: University of Hawaii, Institutional Research and Analysis Office, Enrollment Tables 0 and 6
<<https://www.hawaii.edu/institutionalresearch/enrReport.action?reportId=ENRT00>> accessed February 25, 2020.

Table 3.25-- DEGREES, DIPLOMAS, AND CERTIFICATES AWARDED BY THE UNIVERSITY OF HAWAII: 2010 TO 2019

[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	49	474	
2017	11,408	3,298	978	190	197	49	623	
2018	11,215	3,273	958	204	229	62	613	
2019	11,299	3,245	833	206	187	80	643	

Year	University of Hawaii at Hilo					UH Community Colleges		
	Certificates 3/	Bachelor's	Master's 4/	Doctorate	Professional practice 5/	Certificates 6/	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
2019	-	774	35	1	85	1,436	3,755	19

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/ Includes Certificate in Teacher Education (PDN).

4/ Includes MS in Pharmacy effective 2013.

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

6/ Includes Advanced Professional Certificates (APC).

Source: University of Hawaii, Institutional Research and Analysis Office, Degree Table 0
<<https://manoa.hawaii.edu/miro/degrees/>> accessed February 25, 2020.

**Table 3.26-- UNIVERSITY OF HAWAII CURRICULA, TUITION, FINANCES,
AND FACULTY AND STAFF: 2016 TO 2019**

Subject	2016	2017	2018	2019
Curricula offered at Manoa Campus, fall semester	332	312	315	319
Bachelor's degree programs	112	100	101	102
Master's degree programs	88	87	87	89
Doctoral programs	60	54	54	52
Other programs 1/	72	71	73	76
Total tuition and fees per semester 2/				
Manoa				
Resident	5,866	5,877	5,985	6,093
Nonresident	16,882	16,893	17,001	17,109
Hilo				
Resident	3,825	3,824	3,824	3,824
Nonresident	10,305	10,304	10,340	10,376
West Oahu				
Resident	3,720	3,720	3,720	3,720
Nonresident	10,200	10,200	10,236	10,272
Community colleges 3/				
Resident	1,547	1,547	1,577	1,614
Nonresident	4,115	4,115	4,145	4,182
Finances, fiscal year ending June 30				
Current fund revenues (\$1,000) 4/	1,451,214	1,485,461	1,531,928	1,595,984
Current fund expenditures (\$1,000)	1,458,988	1,485,614	1,534,328	1,599,592
Faculty and staff, fall semester 5/	10,106	10,051	10,038	9,911
Board of Regents appointees	8,716	8,699	8,707	8,650
Full-time	5,915	5,921	5,906	5,907
Part-time	2,801	2,778	2,801	2,743
Civil service personnel	1,390	1,352	1,331	1,261
Full-time	1,321	1,290	1,273	1,227
Part-time	69	62	58	34

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). Starting in 2015, includes fees.

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/ Starting in 2015, includes fringe benefits paid by the state.

5/ Includes persons on leave without pay.

Source: University of Hawaii, General Accounting Office, records; Institutional Research and Analysis Office <<http://hawaii.edu/iro/>> accessed March 6, 2020; and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 3.27-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR
PRIVATE COLLEGES AND UNIVERSITIES: 2010 TO 2019**

[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 3.27-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR PRIVATE COLLEGES AND UNIVERSITIES: 2010 TO 2019-- 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
2019, total	(NA)	(NA)	(NA)	(NA)	(NA)	402
Brigham Young	(NA)	(NA)	(NA)	(NA)	(NA)	(X)
Chaminade	2,167	1,572	595	44	362	200
Hawaii Pacific	4,170	3,695	475	65	586	202

NA Not available.

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 survey of school officials.

Table 3.28-- 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 3.29-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM:
2015 TO 2019**

Subject	2015	2016	2017	2018	2019
Library locations, June 30					
State	50	50	50	51	51
Oahu	24	24	24	25	25
Other islands	26	26	26	26	26
Personnel, June 30	548	550	559	566	565
Hours open 1/	92,616	95,597	93,968	98,835	93,742
Collections, June 30 (1,000)	3,670	3,452	3,397	3,400	3,415
Circulation, year ended June 30 (1,000)	6,446	6,343	5,965	5,888	5,715
eBooks/audio/music circulation, year ended June 30 2/	475,652	635,464	754,482	863,183	968,131
Customer visits (1,000)	4,941	4,490	4,135	3,456	3,436
Reference questions (1,000) 3/	664	552	537	480	543
Public computers	760	775	745	779	735
Sites with wireless service	50	50	50	51	51
Internet sessions 4/	1,051,831	1,401,297	1,261,855	1,167,782	1,335,616
Library programs	4,305	5,130	5,241	6,108	6,503
Attendance	139,423	153,052	143,974	147,025	153,079
Group visits	5,195	5,034	5,390	5,145	5,257
Attendance	114,649	103,552	117,933	107,647	105,230

1/ The total annual service hours for all Hawaii State Public Library System libraries are included. Aina Haina Public Library closed for 40 weeks for major repairs after April 2018 flooding. Kaneohe Public Library closed for 6 weeks to repave the parking lot starting January 2019. Liliha Public Library closed for 31 weeks for major renovations starting November 2018.

2/ Starting in Q3 of FY2014, includes eMagazines.

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

4/ Because of technical issues, wireless sessions from Kaimuki, Kapolei, and Nanakuli libraries were not included for 2018 and 2019.

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

**Table 3.30-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM,
BY COUNTY: 2019**

[As of June 30]

County	Library locations	Personnel	Circulation	
State total	51	564.50	5,714,974	
	25	418.00	3,063,867	
	12	65.50	825,578	
	6	33.00	318,933	
	8	48.00	538,465	
	(X)	(X)	968,131	
County	Collections			
	Books	Periodical subscriptions	DVDs & video tapes	Sound recordings
State total	2,921,620	2,276	173,758	173,165
	1,901,411	1,049	88,511	65,066
	432,666	434	38,683	24,571
	213,763	193	17,623	7,200
	333,559	588	28,888	16,137
	40,221	12	53	60,191

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 3.31-- 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**

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

Narrative

04.01	Index Offenses, by County: 1996 to 2017
04.02	Index Offenses, by Type of Offense: 2013 to 2017
04.03	Offenses and Offenses Cleared by Arrest or Otherwise, by Class of Offense: 1998 to 2017
04.04	Offenses, by Class of Offense and County: 2013 to 2017
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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.

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	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.

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 2018

[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
1975	914	423	1997	5,235	2,531
1976	1,325	634	1998	4,762	2,242
1977	1,794	841	1999	5,962	2,935
1978	1,845	1,110	2000	6,184	3,533
1979	2,290	1,109	2001	7,210	3,930
1980	2,106	1,059	2002	7,318	3,744
1981	2,360	1,137	2003	7,835	3,868
1982	2,685	1,379	2004	6,823	3,396
1983	3,635	1,621	2005	5,207	2,645
1984	4,388	2,180	2006	3,974	1,928
1985	4,359	2,391	2007	4,690	2,082
1986	4,900	2,629	2008	4,628	1,850
1987	4,741	2,555	2009	5,939	2,174
1988	3,893	2,315	2010	4,199	1,575
1989	4,054	2,386	2011	3,751	1,424
1990	4,407	2,392	2012	3,948	1,392
1991	4,365	2,318	2013	3,752	1,329
1992	4,568	2,485	2014	3,681	1,406
1993	4,753	2,411	2015	3,747	1,568
1994	5,186	2,334	2016	3,626	1,355
1995	4,984	2,317	2017	3,702	1,297
1996	4,775	2,268	2018	4,231	1,296

Source: Hawaii State Department of Human Services, Audit, Quality Control and Research Office, *A Statistical Report on Child Abuse and Neglect in Hawaii* (annual) <<https://humanservices.hawaii.gov/reports/child-abuse-neglect-reports/>> accessed March 16, 2020.

**Table 4.09-- CHARACTERISTICS OF CHILD ABUSE AND NEGLECT
VICTIMS: 2015 TO 2018**

[Confirmed, unduplicated count of children]

Subject	2015	2016	2017	2018
Total	1,546	1,351	1,274	1,267
Type 1/ ¹				
Physical abuse	166	139	102	120
Neglect	224	205	149	188
Medical neglect	29	8	17	17
Sexual abuse	69	67	60	72
Psychological abuse	14	10	17	8
Sex trafficking	(NA)	(NA)	(NA)	10
Threatened harm	1,296	1,190	1,149	1,155
County				
Hawaii	418	343	354	338
Honolulu	759	709	605	641
Kauai	108	98	76	92
Maui	261	201	239	196
Victim characteristics				
Females (percent)	51.6	50.4	50.9	49.0
Age (percent)				
Under 5	42.9	44.0	44.3	41.0
5 to 11 years	33.2	35.5	33.0	34.5
12 to 17 years	23.5	20.5	22.4	24.2
Unknown	0.3	0.1	0.3	0.2
Race (percent)				
Hawaiian or Part Hawaiian	45.4	44.6	42.2	40.2
White	14.8	14.0	17.1	18.2
Filipino	7.8	7.0	7.8	8.1
Samoan	2.7	2.7	2.9	5.1
Hispanic/Spanish	1.6	1.9	3.8	4.2
Micronesian	2.7	3.5	4.0	2.9
Black or African American	3.4	2.7	2.0	2.7
Multi-racial	12.5	17.5	12.2	11.0
Other	3.6	4.1	4.9	5.7
Unknown	5.6	2.0	3.1	2.0

NA Not available.

1/ Each type of abuse and neglect is counted only once, regardless of how many times that abuse/neglect has been reported that year. 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, Audit, Quality Control and Research Office, *A Statistical Report on Child Abuse and Neglect in Hawaii* (annual) <<https://humanservices.hawaii.gov/reports/child-abuse-and-neglect-reports/>> accessed March 16, 2020; and calculations by the Hawaii Department of Business, Economic Development & Tourism.

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:
2017 AND 2018**

[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/	
	2017	2018	2017 2/	2018
Violent crime	250.6	(NA)	383.8	368.9
Property crime	2,829.5	(NA)	2,362.9	2,199.5

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, *2018 Crime in the U.S.*, Table 1 <<https://ucr.fbi.gov/crime-in-the-u.s/2018/crime-in-the-u.s.-2018>> accessed December 16, 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-- INTERNET CRIME, BY NUMBER OF COMPLAINTS AND LOSSES
BY VICTIMS: 2012 TO 2019**

[Data based on the total number of individual complaints received to the Internet Crime Complaint Center (IC3) and do not represent the number of individuals filing a complaint. Number of complaints include both complaints listing loss amounts and complaints that do not list loss amounts]

Year	Number of complaints	Losses by victims (\$)
2012	1,135	2,301,640
2013	993	2,415,892
2014	1,020	2,497,141
2015	1,074	3,395,581
2016	1,055	2,924,323
2017	1,923	3,368,323
2018	1,100	6,460,785
2019	1,396	10,005,566

Source: Federal Bureau of Investigation, Internet Crime Complaint Center (IC3), *IC3 Annual Report*
<<https://www.ic3.gov/search.aspx?q=annual+report>> accessed June 9, 2020.

Table 4.14-- AUTHORIZED POLICE PERSONNEL, BY COUNTY: 2019

[As of December 31]

Status	State total	Honolulu	Hawaii	Kauai	Maui
Total	(NA)	(NA)	595	236	434
Sworn, active	(NA)	(NA)	419	139	312
Sworn, reserve	(NA)	(NA)	23	-	(NA)
Training pool	(NA)	(NA)	37	24	26
Not sworn (civilian)	(NA)	(NA)	116	73	96
Police radio dispatcher	(NA)	(NA)	36	20	1/ 19

NA Not available.

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

Source: County police departments, records.

**Table 4.15-- COURTS, JUDGES, MAGISTRATES, AND ATTORNEYS:
2017 TO 2019**

[As of June 30 unless otherwise specified]

Subject	2017	2018	2019
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/	7,881	7,991	8,055
Active	4,879	4,931	4,955
Inactive	3,002	3,060	3,100

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 February 28, 2020.

Table 4.16-- UNITED STATES DISTRICT COURT CASES: 2015 to 2019

[Fiscal year ending September 30]

Subject	2015	2016	2017	2018	2019
Civil cases					
Commenced (filings)	576	759	700	522	697
Terminated 1/	614	630	713	629	636
Pending 1/	520	646	632	2/ 526	587
Criminal cases 3/					
Commenced (filings)	160	157	204	203	216
Terminated	239	191	162	190	199
Pending 4/	327	402	450	467	492
Bankruptcy					
Commenced (filings)	1,593	1,463	1,388	1,503	1,650
Business	80	58	38	68	59
Nonbusiness	1,513	1,405	1,350	1,435	1,591
Terminated	1,783	1,710	1,516	1,510	1,760
Pending	2,435	2,178	2,050	2,043	1,933

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 20, 2020.

Table 4.17-- UNITED STATES BANKRUPTCY COURT CASES FILED UNDER CHAPTERS 7, 11 AND 13 OF THE BANKRUPTCY CODE: 2004 TO 2019

[Based upon original chapter designation at the time the case is originally filed. Table includes cases filed in 2019 which were on the caseload as of December 31, 2019]

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/	4,125	62	4,063	17	15	2	340	3	337
2006	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
2019	1,132	35	1,097	13	12	1	507	10	497

1/ From *Bankruptcy Basics*, "[Chapter 7] of the Bankruptcy Code provides for 'liquidation' - the sale of a debtor's nonexempt property and the distribution of the proceeds to creditors."

2/ From *Bankruptcy Basics*, "[Chapter 11] of the Bankruptcy Code generally provides for reorganization, usually involving a corporation or partnership. A chapter 11 debtor usually proposes a plan of reorganization to keep its business alive and pay creditors over time. People in business or individuals can also seek relief in chapter 11."

3/ From *Bankruptcy Basics*, "[Chapter 13] of the Bankruptcy Code provides for adjustment of debts of an individual with regular income. Chapter 13 allows a debtor to keep property and pay debts over time, usually three to five years."

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* <<https://www.uscourts.gov/services-forms/bankruptcy/bankruptcy-basics>> accessed April 24, 2020.

**Table 4.18-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:
2017 TO 2019**

[Fiscal year ending June 30]

Court and type of action	2017	2018	2019
Supreme Court	460	460	456
Primary cases	267	250	255
Applications for transfer	22	20	11
Appeals	173	164	166
Original proceedings	72	66	78
Supplemental proceedings	193	210	201
Intermediate Court of Appeals	3,097	3,031	3,013
Primary cases 1/	687	595	550
Appeals 1/	687	595	550
Supplemental proceedings	2,410	2,436	2,463
Circuit Courts Proper	16,332	16,650	13,538
Civil actions	3,716	3,310	3,334
Probate proceedings	1,581	1,523	1,593
Conservatorship/guardianship proceedings	239	242	230
Trust proceedings	288	279	343
Miscellaneous proceedings	6,109	6,732	3,723
Criminal actions	4,399	4,564	4,315
Family Courts	25,084	26,287	24,131
Marital actions and proceedings	4,818	4,569	4,488
Civil union actions and proceedings	14	11	12
Uniform interstate family support	391	343	326
Adoption proceedings	394	410	356
Parental proceedings	1,524	1,665	1,505
Domestic Abuse Protective Orders (Ch. 586)	5,267	5,388	5,193
Miscellaneous proceedings	1,976	2,006	2,029
Criminal actions	2,818	3,047	2,807
Children's referrals	7,882	8,848	7,515

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**Table 4.18-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:
2017 TO 2019 -- Con.**

Court and type of action	2017	2018	2019
District Court	463,953	458,207	402,354
Total cases, excluding traffic and parking cases	51,778	52,923	53,708
Civil actions	20,181	21,379	24,478
Regular civil	13,608	12,235	15,565
Small claims	3,924	6,228	6,155
TRO	2,604	2,881	2,719
Special proceedings	19	17	22
Ignition interlock	12	18	17
Criminal actions	30,262	30,291	27,932
Other violations 2/	1,335	1,253	1,298
Total traffic and parking cases	406,389	399,477	343,253
Criminal	35,532	35,586	33,818
Felony	18	9	13
Misdemeanor	35,514	35,577	33,805
Non-criminal traffic violations	206,952	208,821	167,237
Parking violations	162,662	153,619	140,727
Other violations	1,243	1,451	1,471
Other traffic and parking proceedings	5,786	5,807	5,393
Appeals	12	15	16
Administrative reviews	5,774	5,792	5,377

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/ Starting in 2017, "Other violations" are no longer included under "Criminal actions."

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

<http://www.courts.state.hi.us/news_and_reports/reports/reports> accessed February 24, 2020.

**Table 4.19-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:
2017 TO 2019**

[Fiscal year ending June 30]

Court and type of action	2017	2018	2019
Supreme Court	489	461	448
Primary cases	290	253	237
Applications for transfer	22	22	11
Appeals	188	162	151
Original proceedings	80	69	75
Supplemental proceedings	199	208	211
Intermediate Court of Appeals	2,956	2,933	3,039
Primary cases	572	506	562
Appeals	572	506	562
Supplemental proceedings	2,384	2,427	2,477
Circuit Courts Proper	12,658	14,125	12,288
Civil actions	3,731	3,772	3,764
Probate proceedings	343	221	313
Conservatorship/guardianship proceedings	88	59	67
Trust proceedings	85	108	119
Miscellaneous proceedings	4,570	6,249	4,336
Criminal actions	3,841	3,716	3,689
Family Courts	22,946	23,045	22,425
Marital actions and proceedings	3,991	4,004	3,986
Civil actions and proceedings	9	10	10
Uniform interstate family support	312	287	276
Adoption proceedings	315	360	356
Parental proceedings	1,281	1,063	1,514
Domestic Abuse Protective Orders (Ch. 586)	5,085	5,196	5,034
Miscellaneous proceedings	1,667	1,649	1,641
Criminal actions	2,645	2,386	2,112
Children's referrals	7,641	8,090	7,496

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**Table 4.19-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:
2017 TO 2019 -- Con.**

Court and type of action	2017	2018	2019
District Court	522,358	467,949	490,865
Total cases, excluding traffic and parking cases	49,527	52,650	62,872
Civil actions	22,662	23,941	28,560
Regular civil	16,815	15,701	19,903
Small claims	3,484	5,584	6,189
TRO	2,334	2,635	2,449
Special proceedings	17	11	11
Ignition interlock	12	10	8
Criminal actions	25,494	27,342	32,730
Other violations	1,371	1,367	1,582
Total traffic and parking cases	464,639	406,902	420,036
Criminal	37,766	32,096	38,058
Felony	19	11	12
Misdemeanor	37,747	32,085	38,046
Non-criminal traffic violations	250,824	219,351	221,313
Parking violations	174,424	153,874	158,785
Other violations	1,625	1,581	1,880
Other traffic and parking proceedings	8,192	8,397	7,957
Appeals	1	(3/)	1
Administrative reviews	8,191	8,397	7,956

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/ Starting in 2017, "Other violations" are no longer included under "Criminal actions."

3/ During the fiscal year, 11 appeals were adjudicated; 8 were affirmed; 1 was dismissed; and 2 were reversed. Those cases were not yet terminated at the time of publication.

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

<http://www.courts.state.hi.us/news_and_reports/reports/reports> accessed February 24, 2020.

**Table 4.20-- INMATES PRESENT IN STATE CORRECTIONAL FACILITIES:
ANNUAL AVERAGE, 2000 TO 2019**

[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
2019	3,599	6/ 994	350	1,066	1,180	20	3

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 2000 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 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 4.21-- MEDIAN AGES AND AVERAGE SENTENCES OF SENTENCED FELON POPULATION: 1997 TO 2019

[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
2019	36	42	(NA)	(NA)	50

NA Not available.

1/ For sentenced felon population on June 30.

2/ Includes releases to parole, time served, deaths, and all other release types. Category title was shown as "Felons released: time served" in previous *Data Books*, but data included all release types.

3/ Average based on statutory maximum sentences for each offense grade.

Source: Hawaii State Department of Public Safety, Correctional Information System (CIS) and records; Hawaii Paroling Authority, annual reports.

Table 4.22-- INMATE POPULATION TOTAL AND AT CONTRACTED FACILITIES IN OTHER STATES: 1997 TO 2019

[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
2019 2/	5,427	1,440	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 4.23-- HAWAII PAROLING AUTHORITY STATISTICAL SUMMARY:
2016 TO 2019**

[Fiscal year ending June 30]

Item	2016	2017	2018	2019
Number of parolees	1,479	1,517	1,562	1,582
Active cases	1,404	1,439	1,465	1,463
Outside Hawaii	221	234	199	191
Interstate compact 1/	99	117	125	128
Other supervision 2/	122	117	74	63
Reciprocal supervision 3/	33	32	23	31
In institution	41	37	38	41
Suspended cases (whereabouts unknown)	75	78	97	119
Minimum imprisonment terms fixed	1,682	1,715	1,654	2,171
Number of persons for whom minimum terms fixed	757	584	493	681
Number of parole consideration hearings	2,608	2,821	2,940	2,923
Paroles granted	629	830	852	768
Paroles denied	1,789	1,722	1,781	1,693
Paroles deferred/continued	185	266	294	459
Escape	5	3	13	3
Persons considered for parole	1,982	2,090	2,066	1,932
Parolees released	553	713	774	698
Parole violation hearings	399	382	413	433
Parole revoked	336	318	352	363
Continued on parole	2	2	16	34
Deferred/rescheduled	61	62	45	36
Pardon investigations conducted	56	63	30	24
Persons recommended for pardon	19	25	13	6
Persons discharged from parole	293	207	211	188
Early discharge	118	50	86	38
Full parole term before discharge	168	150	115	143
Deceased	7	7	10	7

1/ Hawaii cases being supervised by Mainland.

2/ Deported, protective custody, or dual supervision.

3/ Mainland cases being supervised by Hawaii.

Source: Hawaii State Department of Public Safety, Hawaii Paroling Authority, *Annual Statistical Report*

<<https://dps.hawaii.gov/hpa/>> accessed February 25, 2020.

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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.

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 2019**

[As of December 31, 2019. 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	12,893	ER	900	272.8	4.4000
2008: March 19	3,710	C	1,035	0.4	(2/)
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/ 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 2019

[As of December 31, 2019. 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 2019 -- 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/>>; and records.

Table 5.21-- EARTHQUAKES WITH INTENSITIES OF V OR GREATER ON OAHU: 1859 TO 2019

[As of December 31, 2019]

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	Honomu, 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 wakened. Liquids distributed, some spilled. Small unstable objects displaced or upset. Doors, shutters, pictures swing. Pendulum clocks stop.

VI. Felt by all. Many frightened, run outdoors. Persons walk unsteadily. Windows, dishes, glassware broken. Knickknacks, books thrown off shelves, pictures off walls. Furniture moved, overturned. Weak plaster and masonry cracked. Small bells ring. Trees, bushes noticeably shaken.

VII. Difficulty in standing. Noticed by drivers of autos. Hanging objects quiver. Furniture broken. Damage to weak masonry. Weak chimneys broken at roof line. Fall of plaster, loose bricks, etc. Some cracks in ordinary masonry. Waves on ponds. Small slides on sand and gravel banks. Large bells ring. Irrigation ditches damaged.

Source: 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; and records

Table 5.22-- TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET) OR MORE: 1812 TO 2019

Date	Place of observation	Source	Maximum height in Hawaii		Deaths in Hawaii	Damage in Hawaii
			Meters	Feet		
1812: Dec. 21 1/	Hookena, Hawaii	California	3.0	10	-	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
1854: Jan. 27	Hilo, Hawaii	Alaska	2.4	8	-	(NA)
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	4.5	15	-	Houses, bridges destroyed
1868: Oct. 2	Kahaualea, Hawaii	Hawaii	6.1	20	-	(NA)
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	Alaska 3/	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	15.7	52	-	Houses destroyed on Maui, railroad washed out on Oahu
1906: Aug. 17	Maalaea, Maui	Chile	3.5	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	3.3	11	-	Boathouses, walls destroyed in Kona
1946: April 1	Waikolu Valley, Molokai	Aleutian Islands	16.5	54	159	\$26,000,000
1952: Nov. 4	Kaena, Oahu	Kamchatka	10.4	34	-	\$1,000,000

Continued on next page.

Table 5.22-- TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET) OR MORE: 1812 TO 2019-- Con.

Date	Place of observation	Source	Maximum height in Hawaii		Deaths in Hawaii	Damage in Hawaii
			Meters	Feet		
1957: March 9	Wainiha Bay, Kauai	Aleutian Islands	16.2	53	-	\$5,000,000
1960: May 22	Hilo, Hawaii	Chile	10.7	35	61	\$23,000,000
1964: March 27	Waimea Bay, Oahu	Alaska	4.9	16	-	\$68,000
1975: Nov. 29	Keauhou Landing, Hawaii	S. Puna	14.3	47	2	\$1,500,000
2011: March 11	Kealakekua Bay, Hawaii	Japan	5.4	18	-	(NA)

NA Not available.

1/ Earliest tsunami for which definite information exists.

2/ Probable source.

3/ Revised from previous *Data Book*.

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 February 6, 2020.

Table 5.23-- MAJOR DAMS AS OF DECEMBER 31, 2019

[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 February 6, 2020.

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

[Million gallons per day. Data source was revised in 2018, but Hawaii data were not affected]

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/5af3311be4b0da30c1b245d8>> accessed April 24, 2020.

Table 5.25-- WATER SERVICES AND CONSUMPTION, FOR COUNTY WATERWORKS: 2017 TO 2019

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

Geographic area	Number of services			Consumption (million gallons)		
	2017	2018	2019	2017	2018	2019
State total	273,215	273,969	275,498	73,197	72,193	72,369
City and County of Honolulu	171,780	172,156	172,872	47,848	47,494	47,515
Honolulu District 1/	63,437	63,496	63,612	28,360	28,478	28,001
Rest of Oahu	108,343	108,660	109,260	19,488	19,016	19,514
Hawaii County	43,352	43,391	43,711	9,701	8,935	9,259
Kauai County	21,718	21,807	22,196	4,025	4,015	3,921
Maui County	36,365	36,615	36,719	11,623	11,749	11,674
Maui	34,690	34,933	35,028	11,375	11,508	11,449
Molokai	1,675	1,682	1,691	248	241	225

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 Maui County Department of Water Supply records.

**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 the 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: 2020**

[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 13, 2020.

Table 5.31-- TOXIC CHEMICAL RELEASES IN 2018 AND HAZARDOUS WASTE GENERATED, SHIPPED, AND RECEIVED IN 2017

Category	Unit
Number of TRI facilities in Hawaii in 2018	31
Toxic chemical releases in 2018 1/	2,943,092
On-site releases	2,720,735
Air emissions	1,826,598
Water emissions	749,919
Land emissions	144,218
Off-site releases, transfers to disposal	222,357
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 29, 2020;

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 29, 2020.

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 are 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:
2018 TO 2019**

[Starting in Data Book 2019, only includes data from regularly monitored beaches and stations with 10 or more sampling events. Therefore, data from previous editions of the Data Book are not comparable. Data from 2018 was revised to reflect this change.]

Island	Number of locations	Number of samples	Enterococci density 1/			
			Lowest 2/	Highest 3/	Number over 4/	Mean 5/
2018						
State total	53	1,987	2.4	11.3	-	3.9
Hawaii	10	200	3.1	11.3	-	6.0
Hilo Shoreline	5	117	3.7	11.3	-	5.9
Kona Shoreline	5	83	3.1	9.0	-	6.2
Maui	16	656	2.5	8.4	-	3.9
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	22	942	2.4	7.3	-	3.9
Kauai	5	189	2.8	6.5	-	4.4
2019						
State total	53	2,279	2.4	9.9	-	3.8
Hawaii	10	408	2.9	9.5	-	4.4
Hilo Shoreline	5	157	3.6	9.5	-	6.5
Kona Shoreline	5	251	2.9	4.4	-	3.4
Maui	16	506	2.4	8.2	-	3.5
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	22	1,120	2.4	6.9	-	3.7
Kauai	5	245	2.8	9.9	-	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 2018 and 2019.

2/ The lowest reported average value for 2018 was reported for White Plains Beach Park, on the island of Oahu. The lowest reported average value for 2019 was shared by 2 beaches, one of which was Makapuu on the island of Oahu.

3/ The highest average value in 2018 was reported for Honolii Cove (Ocean), on the Hilo side of the island of Hawaii. The highest average value for 2019 was reported by Kalapaki Beach Park on the island of Kauai.

4/ Refers to number of samples over the geometric mean standard for Enterococci density which was 35 per 100 ml. in 2018 and 2019.

5/ Not weighted by number of samples.

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

**Table 5.35-- WATER QUALITY AT SELECTED PUBLIC BEACHES:
2018 AND 2019**

[Starting in Data Book 2019, only includes data from regularly monitored beaches and stations with 10 or more sampling events. Therefore, data from previous editions of the *Data Book* are not comparable. Data are categorized by STORET Station ID. STORET (Storage and Retrieval for Water Quality Data) is a repository of ambient Water Quality Data]

Island and beach 1/	STORET	Number of samples		Enterococci density 1/	
		2018	2019	2018	2019
Hawaii					
Hilo Shoreline	0011XX	2/ 117	157	5.9	6.5
Hilo Bay (Canoe Beach)	001138	21	28	4.8	7.8
Honolii Cove (Ocean)	001110	18	27	11.3	9.5
Keaukaha Beach - 4 Miles	001114	26	34	3.7	6.9
Onakahakaha Beach County Park	001126	26	34	3.9	3.6
Richardson Ocean Center	001136	26	34	10.6	7.1
Kona Shoreline	0012XX	2/ 83	251	2/ 6.2	3.4
Anaehoomalu Bay	001236	16	50	2/ 6.3	2.9
Kahaluu Beach County Park	001203	17	51	2/ 8.0	4.2
Kailua Bay	001205	17	50	3.1	2.9
Kamakaokahonu	001208	17	50	6.5	4.4
Puako	001222	16	50	9.0	3.0
Maui					
Airport (Kahekili) Beach	000695	47	37	3.2	3.6
Baldwin Park	000689	44	33	4.9	2.9
Cove Park	000703	39	35	6.1	3.6
Fleming Beach (North)	000674	39	38	4.0	3.0
Hanakaoo	000693	50	43	8.4	4.7
Hookipa Beach Park	000688	41	30	3.1	2.5
Hukilau Hotel Shoreline	000654	36	27	3.5	2.4
Kamaole Beach 1	000681	44	14	3.3	8.2
Kamaole Beach 2 (Ili'iliholo Beach)	000682	39	32	3.5	3.6
Kamaole Beach 3	000683	40	41	2.8	3.0
Kanaha Beach County Park	000677	38	10	3.0	4.3
Launiupoko	000694	40	32	3.3	3.2
Makena Beach Shoreline	000661	32	27	2.5	3.1
Sheraton Kaanapali Shoreline	000666	36	45	3.8	2.6
Teen Challenge (Mile 14)	000697	47	42	5.8	3.8
Wailea Beach	000691	44	40	3.7	4.7
Oahu					
Ala Moana Lagoon	000222	50	51	3.0	3.2
Ala Moana Beach County Park, Center	000153	49	52	3.6	3.4
Ala Moana Beach County Park, DH	000154	49	54	3.2	3.1
Chun's Reef	000218	33	49	2.7	3.6
Haleiwa Alii Beach County Park	000247	35	48	3.6	2.9

Continued on next page.

**Table 5.35-- WATER QUALITY AT SELECTED PUBLIC BEACHES:
2018 AND 2019 -- Con.**

Island and beach 1/	STORET	Number of samples		Enterococci density 1/	
		2018	2019	2018	2019
Oahu (con.)					
Hanauma Bay	000201	45	43	6.6	6.9
Ihilani Kohola	000252	43	49	4.1	3.6
Kahanamoku Beach	000155	48	53	5.2	5.6
Kailua Beach County Park	000193	44	56	5.7	4.9
Kuhio Beach Park	000161	49	56	5.8	6.7
Lanikai	000194	51	55	7.3	3.9
Makaha Beach County Park	000185	43	49	3.1	2.6
Makapuu Beach County Park	000216	42	52	3.3	2.4
Moana Beach, Waikiki	000238	50	51	4.4	4.1
Nanakuli Beach County Park	000187	38	52	2.9	2.7
Pokai Bay Beach County Park	000224	43	53	4.2	5.1
Sandy Beach County Park	000200	45	52	3.1	2.6
Sans Souci St Rec Area	000228	49	52	3.1	3.7
Sunset Beach	000225	31	45	2.7	3.3
Waimanalo Beach County Park	000197	44	53	5.2	2.9
Waimea Beach	000172	24	45	3.4	4.0
White Plains Beach	000236	37	50	2.4	2.8
Kauai					
Hanalei Bay Pavilion	000805	34	50	4.3	4.6
Hanapepe Salt Pond	000808	45	49	2.8	2.8
Kalapaki Beach Park	000809	35	49	6.5	9.9
Lydgate Park	000825	26	47	4.8	4.9
Poipu Beach Pavilion	000819	49	50	4.9	4.4

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density was 35 per 100 ml. in 2018 and 2019.

2/ Revised from previous *Data Book*.

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: 2006 TO 2019

[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	
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	38,498
2015	769,183	307,069	462,114	38,448
2016	793,793	311,172	482,621	41,136
2017	(NA)	(NA)	(NA)	42,678
2018	(NA)	(NA)	(NA)	41,593
2019	(NA)	(NA)	(NA)	40,179

Year	Average wastewater treated per day (millions of gallons)	Miles of sewers 2/	City and County pump stations	City and County treatment plants
2006	(NA)	2,268	66	8
2007	(NA)	3/ 2,105	67	9
2008	(NA)	2,105	67	9
2009	(NA)	2,105	69	9
2010	105	2,105	72	9
2011	105	2,226	72	9
2012	100	2,226	72	9
2013	100	2,016	72	9
2014	105	2,019	72	9
2015	105	2,023	72	9
2016	113	2,024	72	9
2017	117	(NA)	(NA)	(NA)
2018	114	(NA)	(NA)	(NA)
2019	110	(NA)	(NA)	(NA)

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 2019

[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	12	0.4
2003	15	0.6	2019	11	0.4

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.

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

Table 5.39-- AIR QUALITY AT SPECIFIED LOCATIONS: 2019

[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	2	35	11	-0.001	0.006	0.000
Pearl City	4	36	14	(X)	(X)	(X)
Kapolei	1	42	12	0.000	0.015	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 2018

[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	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
2018	2,943,092	1,826,598	749,919	141,921	2,297	222,357

Source: U.S. Environmental Protection Agency, *Hawaii Report: Toxics Release Inventory* (annual)
 <https://enviro.epa.gov/triexplorer/tri_factsheet_search.searchfactsheet> accessed May 1, 2020.

**Table 5.41-- TOXIC RELEASE INVENTORY CHEMICAL RELEASES:
1988 TO 2018**

[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
2018	2,720,735	222,357	2,943,091	4,056,189

NA Not available.

Source: United States Environmental Protection Agency, Toxic Release Inventory Program, TRI Explorer
<<https://www.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools>> accessed on April 30, 2020.

Table 5.42 -- RELEASE OF PERSISTENT, BIOACCUMULATIVE AND TOXIC (PBT) CHEMICALS: 2002 TO 2018

[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
2018	70,427	703	68	17.00	1.586

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)
<<https://www.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools>> accessed May 1, 2020.

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 2019**

[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	404.24
1975	3/ 331.14	1996	362.40	2017	406.55
1976	332.04	1997	363.54	2018	408.52
1977	333.79	1998	366.61	2019	411.44
1978	335.35	1999	368.33		

1/ Based on data for 8 months.

2/ Based on data for 9 months.

3/ 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/>> accessed July 13, 2020 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: 2019

[Normals are 30-year averages (1981 - 2010)]

Subject	Hilo	Kahului	Honolulu	Lihue
Temperatures (°F)				
Normal daily maximum, annual	80.9	77.3	84.4	81.2
Highest daily maximum	94	97	95	91
Month and year of occurrence	Nov 2013	Sep 2019	Aug 2019	Sep 2019
Normal daily minimum, annual	66.8	61.8	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	69.5	77.7	75.8
Normal no. days with maximum 90°F and above	-	(NA)	18.7	0.1
Normal relative humidity (percent), annual				
8 a.m.	80	(NA)	72	77
2 p.m.	68	(NA)	56	66
Percent of possible sunshine, annual	41	(NA)	71	59
Mean no. days (annual) with		(NA)		
Clear	35.5	(NA)	90.0	55.3
Partly cloudy	131.3	(NA)	179.8	183.2
Cloudy	195.3	(NA)	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	17.09	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	40.00
Month and year of occurrence	Nov 2000	Jan 1980	Mar 1958	Aug 2019

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, 2019*, "Normals, Means, and Extremes," for Hilo, Kahului, Honolulu, and Lihue (annual)
<<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed May 13, 2020.

Table 5.47-- MONTHLY AND ANNUAL CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2019

[Normals are 30-year averages (1981 - 2010)]

Month	Normal temperature (°F)			Extreme temperature (°F)		Precipitation (inches)			
	Daily maximum	Daily minimum	Normal dry bulb 1/	Highest daily maximum	Lowest daily minimum	Normal	Maximum monthly	Minimum monthly	Maximum in 24 hours
January	80.1	66.3	73.2	88	53	2.31	14.74	0.03	6.72
February	80.2	66.1	73.1	88	53	1.99	13.68	0.06	6.88
March	81.2	67.7	74.5	88	55	2.02	20.79	0.01	17.07
April	82.7	69.4	76.1	91	57	0.63	8.92	0.01	4.21
May	84.6	70.9	77.8	93	60	0.62	7.23	0.03	3.44
June	87.0	73.4	80.2	92	65	0.26	5.68	(2/)	5.01
July	87.9	74.5	81.2	94	66	0.51	2.71	0.02	2.20
August	88.7	75.1	81.9	95	65	0.56	7.63	(2/)	4.42
September	88.6	74.4	81.5	95	64	0.70	4.48	0.05	2.25
October	86.7	73.4	80.0	94	58	1.84	11.15	0.07	7.57
November	83.9	71.4	77.6	93	57	2.42	18.79	0.03	9.15
December	81.2	68.3	74.8	89	54	3.24	17.29	0.01	8.25
Annual	84.4	70.9	77.7	95	53	17.10	20.79	0.01	17.07

Continued on next page.

Table 5.47-- MONTHLY AND ANNUAL CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2019-- 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	39	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	10.5	31	72	6.7	8.7	5.8
June	66	52	11.8	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, 2019*, "Normals, Means, and Extremes, Honolulu, HI" (annual)
<<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed May 13, 2020.

Table 5.48-- AVERAGE TEMPERATURE, PERCENT OF POSSIBLE SUNSHINE, AND PRECIPITATION, FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 1960 TO 2019

[From 1980 on, data taken from the "Normals, Means, and Extremes, Honolulu, HI" table represents a historic average rather than annual data.]

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	77.6	69	19.84
1961	77.2	81	14.26	1991	77.7	69	17.94
1962	76.5	71	13.58	1992	77.8	69	19.00
1963	76.7	64	37.91	1993	77.1	69	5.84
1964	77.0	63	20.12	1994	78.8	70	15.59
1965 1/	76.1	74	42.78	1995	79.3	70	13.60
1966 1/	77.6	68	23.18	1996	78.6	70	33.12
1967 1/	77.6	58	34.34	1997	77.8	71	19.99
1968 1/	77.9	63	37.26	1998	77.1	71	4.52
1969 1/	77.4	68	22.50	1999	76.9	71	11.99
1970 1/	78.2	72	15.49	2000	77.6	71	7.10
1971 1/	76.1	70	26.64	2001	78.2	71	9.14
1972	76.2	65	26.94	2002	77.9	71	12.18
1973	77.2	63	14.24	2003	78.5	71	12.69
1974	77.5	61	24.02	2004	78.7	71	39.01
1975	76.2	62	24.39	2005	78.4	71	15.60
1976	76.8	60	12.90	2006	77.1	71	29.45
1977	78.2	68	12.36	2007	78.0	71	11.99
1978	76.8	69	25.05	2008	78.3	71	14.76
1979	77.0	68	16.93	2009	(NA)	71	11.55
1980	77.4	68	26.90	2010	77.5	71	17.40
1981	77.1	68	13.41	2011	78.3	71	15.69
1982	76.9	67	34.92	2012	77.2	71	8.58
1983	77.2	67	5.03	2013	77.1	71	16.18
1984	78.1	67	17.08	2014	78.2	71	20.82
1985	76.9	67	17.38	2015	78.7	71	21.04
1986	78.3	68	13.93	2016	77.9	71	13.16
1987	77.9	68	23.53	2017	78.2	71	22.62
1988	78.5	68	16.47	2018	78.8	71	16.95
1989	77.5	68	27.52	2019	79.3	71	16.61

NA Not available.

1/ 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 2019*, "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 13, 2020.

Table 5.49-- AVERAGE DAILY TEMPERATURE AND DAYS WITH MAXIMUM OF 90° OR HIGHER, FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 1971 TO 2019

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	2019	86.1	95
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 2019*, "Meteorological Data, Honolulu" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed May 14, 2020.

Table 5.50-- CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2008 TO 2019

Year	Average temperature (°F) 1/			Extreme temp. (°F)		Precipitation (inches)
	Annual	Coolest month	Warmest month	Lowest	Highest	
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
2019	79.3	72.3	84.3	61	95	16.61

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		
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
2019	65	54	9.6	(NA)	(NA)	85

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 2019*, "Meteorological Data, Honolulu, HI" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed May 5, 2020.

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: 1995**

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: 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	6:24	(NA)	6:35	(NA)
June 20	5:42	(NA)	5:50	(NA)
September 22	6:09	(NA)	6:20	(NA)
December 21	6:50	(NA)	7:05	(NA)
Sunset (p.m.)				
March 19	6:31	(NA)	6:43	(NA)
June 20	7:02	(NA)	7:16	(NA)
September 22	6:16	(NA)	6:27	(NA)
December 21	5:47	(NA)	5:55	(NA)
Daylight (hours, minutes)				
March 19	12, 07	(NA)	12, 08	(NA)
June 20	13, 20	(NA)	13, 26	(NA)
September 22	12, 07	(NA)	12, 07	(NA)
December 21	10, 57	(NA)	10, 50	(NA)

NA Not available.

Source: NOAA Global Monitoring Laboratory, *NOAA Solar Calculator for sunrise, sunset, solar noon and solar position for any place on earth*. Hilo data based on GML data sites. Honolulu data based on U.S. Cities sites. <<https://www.esrl.noaa.gov/gmd/grad/solcalc/>> accessed July 1, 2020 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: 2021**

[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	6:24	(NA)	6:35	(NA)
June 20	5:42	(NA)	5:50	(NA)
September 22	6:09	(NA)	6:20	(NA)
December 21	6:50	(NA)	7:05	(NA)
Sunset (p.m.)				
March 19	6:31	(NA)	6:43	(NA)
June 20	7:02	(NA)	7:16	(NA)
September 22	6:16	(NA)	6:27	(NA)
December 21	5:47	(NA)	5:55	(NA)
Daylight (hours, minutes)				
March 19	12, 07	(NA)	12, 08	(NA)
June 20	13, 20	(NA)	13, 26	(NA)
September 22	12, 07	(NA)	12, 07	(NA)
December 21	10, 57	(NA)	10, 50	(NA)

NA Not available.

Source: NOAA Global Monitoring Laboratory, *NOAA Solar Calculator for sunrise, sunset, solar noon and solar position for any place on earth*. Hilo data based on GML data sites. Honolulu data based on U.S. Cities sites. <<https://www.esrl.noaa.gov/gmd/grad/solcalc/>> accessed July 1, 2020 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: 2015 TO 2019

[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	2015	2016	2017	2018	2019
Endemic species 1/					
Apapane	2	26	4	4	18
Hawaiian Duck x Mallard	274	160	279	170	165
Hawaiian Moorhen 2/	23	103	77	26	49
Hawaiian Stilt 2/	129	124	117	119	131
Oahu 'Amakihi	-	7	7	6	64
Oahu 'Elepaio	2	-	1	2	-
Indigenous species 3/					
Black-crowned Night Heron	34	39	51	36	41
Brown Booby	5	8	8	-	6
Great Frigatebird	15	7	78	57	105
Red-footed Booby	1,650	2,050	1,775	850	866
White Tern	3	48	55	48	31
Alien species 4/					
Cattle Egret	193	204	193	206	382
Common Myna	820	1,137	1,294	969	1,381
Common Waxbill	647	1,414	860	1,259	832
House Finch	36	32	89	38	204
House Sparrow	123	258	373	126	236
Japanese White-eye	63	61	104	93	343
Java Sparrow	611	128	262	514	484
Northern Cardinal	19	22	28	12	81
Nutmeg Mannikin	89	57	27	114	27
Red-billed Leiothrix	14	42	50	83	163
Red-crested Cardinal	227	228	250	198	373
Red-vented Bulbul	165	289	278	214	350
Red-whiskered Bulbul	13	37	24	13	115
Rock Dove/Pigeon	283	630	605	215	370
Spotted Dove	161	269	242	164	315
White-rumped Shama	16	20	55	31	76
Yellow-fronted Canary	144	190	97	142	121
Zebra Dove	878	1,826	2,317	1,860	1,649

Continued on next page.

Table 5.57-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF SELECTED SPECIES IN THE HONOLULU AREA: 2015 TO 2019 -- Con.

Species	2015	2016	2017	2018	2019
Visitor species 5/					
Mallard	13	104	10	-	2
Pacific Golden-Plover	231	313	342	339	485
Ruddy Turnstone	245	186	239	424	285
Sanderling	11	1	9	13	14
Wandering Tattler	12	5	15	11	23

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 14, 2020.

Table 5.58-- HAWAII AUDUBON SOCIETY BIRD COUNTS IN THE HONOLULU AREA, BY TYPE OF SPECIES: 2008 TO 2019

[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
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
2019	1/ 55	7	5	36	7

Year	Number of individuals				
	All species	Endemic	Indigenous	Alien	Visitor
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
2019	10,851	877	1,049	8,060	865

1/ Reported total was 53, but after summing total number of species it was found to be 55 individual species.

Source: Audubon's Christmas Bird Count <<http://netapp.audubon.org/CBCObservation/>> accessed May 14, 2020; Robert L. Pyle, *Checklist of the Birds of Hawaii* <<http://www.hawaii.audubon.com/checklist/checklist2002.pdf>> accessed on June 22, 2010; Denis Lepage, *Avibase - Bird Checklists of the World* <<https://avibase.bsc-eoc.org/checklist.jsp?region=ushi&list=howardmoore>> accessed on May 14, 2020; 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	36

1/ Does not include double counts for cattle egret and eurasian skylark, which 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 May 14, 2020.

Table 5.60-- TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 2014 TO 2019

[As of June 30]

Location	2014	2015	2016	2017	2018	2019
Along City and County streets and highways 1/	143,281	143,967	145,184	145,900	146,830	147,417
In City and County parks	95,521	95,978	96,790	97,266	97,886	98,278

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: 2020**

[As of July 1, 2020]

Group	Hawaii	United States
Animal species	78	719
Amphibians	-	36
Arachnids	1	12
Birds	36	99
Clams	-	91
Corals	-	7
Crustaceans	3	28
Fishes	-	166
Insects	28	88
Mammals	1	95
Reptiles	4	45
Snails	5	52
Plant species	424	943
Conifers and cycads	-	4
Ferns and allies	23	38
Flowering plants	401	899
Lichens	-	2

Source: U.S. Fish & Wildlife Service, Environmental Conservation Online System (ECOS)
<<https://ecos.fws.gov/ecp/species-reports>> accessed July 1, 2020.

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 2019
<u>06.04</u>	Estimated Acreage of Land Use Districts, by Island: 2018 and 2019
<u>06.05</u>	Number of Land Records, by County: 1991 to 2020
<u>06.06</u>	Real Property Tax Exemptions for Cemeteries, Churches, Hospitals and Schools, by County: 2019 and 2020
<u>06.07</u>	Major Landowners, by Type and by Island: 2017
<u>06.08</u>	Real Property Owned by or Leased to the Federal Government: 2012 to 2018
<u>06.09</u>	Department of Hawaiian Home Lands Homestead Lessees and Applicants, by Island: 2016 to 2018
<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 2019

[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

Continued on next page.

**Table 6.03-- ESTIMATED ACREAGE OF LAND USE DISTRICTS:
1969 TO 2019 -- Con.**

Year and month	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
ADJUSTED 3/ -- con.					
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
2019: December 4/	4,112,388	200,603	1,973,846	1,926,924	11,015

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: 2018 AND 2019**

[As of December 31. Total acreage, including inland water, as classified by the Hawaii State Land Use Commission under the provisions of Chapter 205, Hawaii Revised Statutes, as amended. All data are approximate]

Island	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
2018					
State total	4,112,388	200,843	1,973,846	1,925,952	11,747
Hawaii	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 3/	353,900	14,834	198,769	139,044	1,253
Niihau 3/	45,700	-	-	45,700	-
Kaula and Lehua	400	-	400	-	-
Other islands 4/	1,900	-	1,900	-	-
2019					
State total	4,112,388	200,603	1,973,846	1,926,924	11,015
Hawaii	2,573,400	54,161	1,304,347	1,213,602	1,291
Maui	465,800	24,078	194,836	242,688	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 3/	353,900	14,834	198,769	139,044	1,253
Niihau 3/	45,700	-	-	45,700	-
Kaula and Lehua	400	-	400	-	-
Other islands 4/	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/ May be revised, pending updates of County records.

4/ 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 2020

[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
2020	543,335	294,287	74,467	140,698	33,883

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 2019 - 2020" <<https://www.realpropertyhonolulu.com/rpa-report/>> accessed March 25, 2020; 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: 2019 AND 2020**

[For fiscal year ending June 30]

Category	Cemeteries	Churches	Hospitals	Schools
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
2020				
Number				
State total	110	1,560	141	228
Honolulu	42	868	119	138
Maui	8	247	13	18
Hawaii	46	310	4	65
Kauai	14	135	5	7
Amount (\$1,000)				
State total	64,262	3,209,596	1,423,370	1,609,119
Honolulu	46,726	2,502,998	1,166,452	1,300,182
Maui	1,681	391,693	216,950	164,993
Hawaii	7,474	192,516	24,121	100,525
Kauai	8,382	122,389	15,847	43,419

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 March 25, 2020.

Table 6.07-- MAJOR LANDOWNERS, BY TYPE AND BY ISLAND: 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: 2012 TO 2018

[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	2012	2013	2014	2015	2016 1/	2017 2/	2018 2/
Building area (1,000 sq. ft.)	49,590	47,342	47,653	48,919	48,183	4,354	4,351
Owned	48,754	46,337	46,723	47,188	45,757	3,413	3,421
Leased	836	1,005	930	1,731	1,291	721	710
Otherwise managed 3/	(NA)	(NA)	(NA)	(NA)	1,135	220	220
Federal Gov't land acreage	234,598	234,675	241,106	429,370	77,383	2,563	2,560
Owned	180,780	180,679	186,974	325,459	48,207	1,277	1,281
Leased	53,858	53,997	54,132	103,911	21,999	1,280	1,278
Otherwise managed 3/	(NA)	(NA)	(NA)	(NA)	7,177	5	1
Operating cost (\$1,000)	878,014	877,975	(NA)	(NA)	(NA)	(NA)	(NA)
Building	530,886	523,427	(NA)	(NA)	(NA)	(NA)	(NA)
Land	766	1,461	(NA)	(NA)	(NA)	(NA)	(NA)
Structure	346,363	353,087	(NA)	(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 and FY 2018 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 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 FY18) <<http://www.gsa.gov/portal/content/102880>> accessed June 10, 2020.

Table 6.09-- DEPARTMENT OF HAWAIIAN HOME LANDS HOMESTEAD LESSEES AND APPLICANTS, BY ISLAND: 2016 TO 2018

[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
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/ 2/	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
2018							
Homestead leases 1/	9,877	2,524	1,406	29	842	4,331	745
Residential	8,371	1,712	1,266	29	395	4,271	698
Agricultural	1,096	505	65	-	420	60	46
Pastoral	410	307	75	-	27	-	1
Applications 1/ 2/	45,241	15,032	9,182	78	2,097	14,596	4,256
Residential	23,079	5,841	3,849	78	799	10,834	1,678
Agricultural	19,033	7,212	4,709	-	1,098	3,762	2,252
Pastoral	3,129	1,979	624	-	200	-	326

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, 2018, 45,241 Statewide applications are held by some 28,306 applicants. Data are subject to audit.

2/ Preliminary.

Source: Hawaii State Department of Hawaiian Home Lands, *Annual Report* (annual)

<<http://dhhl.hawaii.gov/icro/annual-reports/>> accessed January 17, 2020.

**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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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.

A revised version of this section including the 2019 Hawaii Tourism Authority annual data will be published once the annual data are released.

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	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.

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.

**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	4,194,371	591,544	(NA)
Domestic	3,528,457	2,988,867	520,256	19,334
International	1,276,792	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.hawaiitourismauthority.org/research/annual-visitor-research-reports/>> accessed November 14, 2019; calculations by Hawaii State Department of Business, Economic Development & Tourism; 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	229,063	164,273	64,791
2018	9,761,448	6,736,736	3,024,712	240,341	174,611	65,731

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 7.04-- 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	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 2/	3,868,195	3,746,542	121,653	4,203,894	4,095,915	107,979
US East MMA 3/	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 4/	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 5/	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 6/	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 7/	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 8/	305,527	205,200	100,327	377,196	213,374	163,822

Continued on next page.

**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/ Pacific and Mountain States of the United States.
 - 3/ All other States in the continental United States not included in U.S. West.
 - 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.hawaiitourismauthority.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	83,608,118	59,959,536	23,648,582
2018	87,724,599	63,732,896	23,991,703

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 7.06-- 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	Domestic	Inter-national	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

Source: Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual)
<<https://www.hawaii-tourismauthority.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	Domestic	Inter-national	Total	Domestic	Inter-national
State total 1/	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 1/	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 1/	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/ 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			
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

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

Continued on next page.

**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.hawaiitourismauthority.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	2018
All visitors 1/	6,239,748	6,736,736	3,037,865	3,024,712
Purpose of visit 1/				
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 1/	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/ 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.hawaiitourismauthority.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: 2018

[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	96.1	95.8	96.5	95.5
Self-guided, drive around island	84.0	85.1	81.8	68.8
Helicopter, airplane tour	8.5	6.6	12.1	2.3
Boat, submarine tour, whale watching	27.7	25.9	31.1	9.7
Visit communities	56.5	56.3	57.0	31.2
Limo, van, bus tour	10.7	7.8	16.4	19.5
Scenic views, natural landmarks	64.3	61.4	69.9	23.3
Movie, TV film location	5.1	4.1	7.0	4.1
Recreation	96.7	97.0	96.2	96.2
Beach, sunbathing	85.0	85.5	83.8	73.1
Bodyboarding, paddleboarding	15.1	17.0	11.3	3.7
Surfing	6.7	6.7	6.5	3.6
Canoeing, kayaking	8.3	8.7	7.6	2.1
Swimming in the ocean	67.2	68.3	65.1	38.4
Snorkeling	47.5	49.9	42.9	17.2
Windsurfing, kitesurfing	0.2	0.2	0.3	0.2
SCUBA diving	3.1	3.1	3.2	2.2
Fishing	3.3	3.4	3.1	1.5
Golf	7.2	7.4	6.7	7.5
Running, jogging, fitness walking	30.0	30.8	28.5	14.7
Spa	10.0	10.1	9.9	6.5
Backpacking, hiking, camping	33.6	32.4	36.0	7.4
Agritourism	14.8	13.6	17.1	12.2
Sports event, tournament	2.6	2.8	2.2	1.8
State parks, botanical gardens	40.6	38.2	45.3	24.0
Jet skiing, parasailing	2.1	2.3	1.8	2.9
Entertainment and dining	98.1	98.4	97.7	98.3
Lunch, sunset, dinner, evening cruise	24.1	23.0	26.1	15.7
Live music, stage show	33.9	32.2	37.3	20.3
Nightclub, dancing, bar, karaoke	9.6	9.4	10.0	6.6
Fine dining	54.3	53.6	55.7	45.4
Family restaurant, diner	61.3	62.8	58.3	23.4
Fast food	36.2	36.5	35.7	53.0
Cafe, coffee house	45.7	46.6	43.9	53.8
Ethnic dining	32.6	31.9	34.0	10.3
Prepared own meals	51.2	55.1	43.6	18.7

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Table 7.11-- ACTIVITY PARTICIPATION BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2018 -- Con.

Activity	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Shopping	96.4	96.7	95.9	97.6
Mall, department stores	42.6	42.4	43.1	79.9
Designer boutiques	17.9	17.5	18.6	25.1
Hotel stores	35.4	33.5	39.2	35.4
Swap meet, flea market	16.8	17.4	15.6	3.6
Discount, outlet stores	17.5	17.3	17.8	23.7
Supermarkets	65.1	68.2	59.2	65.7
Farmer's market	35.2	37.2	31.2	18.1
Convenience stores	47.0	46.5	48.1	45.6
Duty Free stores	4.0	3.7	4.6	42.1
Local shops, artisans	66.1	65.7	67.0	10.7
Culture	73.6	71.8	77.1	55.5
Historic military site	21.9	18.6	28.3	18.1
Other historic site	29.9	29.2	31.4	18.1
Museum, art gallery	18.9	19.2	18.3	6.4
Luau, Polynesian show, hula show	35.4	32.0	42.0	12.9
Lessons: hula, canoeing, ukulele, etc.	7.6	7.1	8.5	6.4
Play, concert, theatre	4.9	4.7	5.1	3.1
Art, craft fair	14.5	15.0	13.5	3.4
Festivals	5.3	5.3	5.3	3.1
Transportation	92.7	92.8	92.4	95.9
Airport shuttle	19.0	18.4	20.2	24.0
Trolley	2.6	2.3	3.4	46.1
Public bus	4.9	4.4	5.7	16.9
Tour bus, tour van	12.0	8.9	18.0	27.0
Taxi, limousine	9.2	7.6	12.4	31.7
Rental car	78.0	80.0	74.2	33.1

1/ Pacific and Mountain States of the United States.

2/ All other states in the Continental United States not included in U.S. West.

Source: Hawaii Tourism Authority, Tourism Research, *2018 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

Table 7.12-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. TOTAL: 2018

[Covers visitors from United States staying overnight or longer. Percent of visitors]

Category	Excellent	Above average	Below average	Poor
Total	88.0	10.4	1.4	0.2
Lifestyle / lifestage segments				
Wedding / honeymoon	90.3	7.9	1.5	0.2
Family (traveling with child under 18)	88.4	10.2	1.2	0.2
Young (18-34)	90.7	8.5	0.5	0.3
Middle age (35-54)	87.6	10.9	1.4	0.1
Seniors (55+)	87.6	10.5	1.7	0.2
Visitation status				
First timers	89.1	9.6	1.0	0.3
Repeat visitors	87.6	10.7	1.5	0.2

Source: Hawaii Tourism Authority, Tourism Research, *2018 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

Table 7.13-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. WEST: 2018

[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	87.2	11.1	1.5	0.2
Lifestyle / lifestage segments				
Wedding / honeymoon	87.2	10.4	2.1	0.3
Family (traveling with child under 18)	88.1	10.6	1.1	0.2
Young (18-34)	89.4	9.7	0.7	0.2
Middle age (35-54)	86.8	11.6	1.4	0.1
Seniors (55+)	86.7	11.2	1.9	0.2
Visitation status				
First timers	88.1	10.4	1.2	0.3
Repeat visitors	87.0	11.3	1.5	0.2

Source: Hawaii Tourism Authority, Tourism Research, *2018 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

Table 7.14-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM THE U.S. EAST: 2018

[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	89.5	9.1	1.2	0.2
Lifestyle / lifestage segments				
Wedding / honeymoon	94.2	4.9	0.9	0.0
Family (traveling with child under 18)	89.2	9.2	1.4	0.2
Young (18-34)	93.0	6.4	0.2	0.4
Middle age (35-54)	88.9	9.7	1.3	0.1
Seniors (55+)	89.2	9.2	1.3	0.3
Visitation status				
First timers	90.0	8.9	0.9	0.3
Repeat visitors	89.2	9.2	1.4	0.2

Source: Hawaii Tourism Authority, Tourism Research, *2018 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

Table 7.15-- OVERALL RATING BY LIFESTAGE AND BY VISITATION STATUS BY VISITORS FROM JAPAN: 2018

[Visitors staying overnight or longer. Percent of visitors]

Category	Excellent	Above average	Below average	Poor
Total	75.3	23.1	1.4	0.3
Lifestyle / lifestage segments				
Wedding / honeymoon	80.7	18.0	1.0	0.4
Family (traveling with child under 18)	73.1	24.6	1.7	0.6
Young (18-34)	74.0	25.1	0.8	0.1
Middle age (35-54)	77.7	20.5	1.7	0.1
Seniors (55+)	72.3	24.9	2.4	0.4
Visitation status				
First timers	75.1	23.5	1.1	0.3
Repeat visitors	75.3	22.9	1.6	0.2

Source: Hawaii Tourism Authority, Tourism Research, *2018 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

**Table 7.16-- OVERALL ISLAND EXPERIENCE BY VISITORS FROM THE
U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2018**

[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	79.4	79.2	79.5	72.2
Above average	17.5	17.6	17.4	26.2
Below average	2.7	2.7	2.6	1.4
Poor	0.5	0.4	0.5	0.2
Maui				
Excellent	89.3	88.9	90.1	76.6
Above average	9.4	9.8	8.7	22.7
Below average	1.1	1.2	1.0	0.0
Poor	0.2	0.2	0.3	0.6
Molokai				
Excellent	87.9	90.0	85.1	34.0
Above average	9.6	7.2	12.9	66.0
Below average	2.5	2.9	2.0	0.0
Poor	0.0	0.0	0.0	0.0
Lanai				
Excellent	86.2	89.5	83.2	37.8
Above average	10.8	8.3	13.0	49.6
Below average	2.5	2.3	2.7	12.6
Poor	0.6	0.0	1.1	0.0
Hawai'i (Hilo/ Kona/ Volcano)				
Excellent	86.6	85.0	89.4	82.2
Above average	11.4	12.7	9.0	16.2
Below average	1.9	2.1	1.4	1.4
Poor	0.1	0.1	0.1	0.2
Kauai				
Excellent	88.7	87.9	90.1	78.7
Above average	9.6	10.3	8.6	17.4
Below average	1.4	1.6	1.2	4.0
Poor	0.2	0.3	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, *2018 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaii-tourism-authority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

Table 7.17-- SOURCES OF INFORMATION FOR TRIP PLANNING BY VISITORS FROM THE U.S. WEST, U.S. EAST, JAPAN, AND CANADA: 2018

[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
Travel agents / package tour companies	13.1	20.2	53.9	14.7
Social network sites	9.1	11.4	16.0	13.5
Friends, family	31.4	35.6	15.4	34.3
Hotel, resort front desk, concierge, tour desk	11.4	15.6	7.3	9.9
Mobile apps relevant to trip	19.0	19.4	8.7	16.1
Airline/commercial carrier	13.6	12.9	9.4	10.4
Personal experience	42.0	32.1	21.5	37.9
Online travel booking site/travel agent	28.3	27.8	12.7	37.8
Webpage, blog covering Hawaii	29.7	39.1	33.3	46.6
GoHawaii.com	12.3	18.0	6.8	21.5
Magazines	3.2	4.6	6.3	4.0
Guide books	13.3	18.3	24.4	18.7
Television	0.7	1.1	3.3	0.6

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, *2018 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaii tourism authority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

**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: 2018

[Visitors were asked to identify one thing that could be improved to make their stay at each of the four major Hawaiian islands 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
Oahu			
No negatives	31.4	32.8	33.3
Transportation			
Ground/public transit	1.7	2.1	7.4
Driving experience	8.7	7.7	5.5
Traffic	22.0	21.8	5.8
Food/restaurants			
Quality	1.7	1.1	6.3
Lack of variety/dining options	2.3	1.9	3.1
Activities/attractions and local culture			
Would like to experience more local culture	6.1	7.3	6.1
Safety issues	4.1	3.7	6.8
Hawaii Island			
No negatives	40.2	46.4	32.3
Transportation			
Ground/public transit	2.8	2.9	22.4
Driving experience	5.9	5.2	1.7
Traffic	11.8	9.2	2.2
Food/restaurants			
Lack of variety/dining options	4.6	5.0	9.1
Activities/attractions and local culture			
Would like to experience more local culture	6.9	7.4	4.1
Maui			
No negatives	40.4	45.0	33.2
Transportation			
Driving experience	6.9	6.6	11.0
Traffic	15.1	12.6	4.1
Activities/attractions and local culture			
Would like to experience more local culture	7.5	6.4	7.6

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Table 7.19-- AREAS OF IMPROVEMENT FOR VISITOR SATISFACTION, BY VISITORS FROM THE U.S. WEST, U.S. EAST, AND JAPAN: 2018 -- Con.

Area of improvement	U.S. West 1/	U.S. East 2/	Japan
Kauai			
No negatives	37.5	47.1	40.8
Transportation			
Driving experience	6.4	5.1	2.1
Traffic	22.3	17.4	4.1
Food/restaurants			
Lack of variety/dining options	4.4	3.9	4.1
Activities/attractions and local culture			
Would like to experience more local culture	6.0	4.7	6.1

1/ Pacific and Mountain States of the United States.

2/ All other states in the Continental United States not included in U.S. West.

Source: Hawaii Tourism Authority, Tourism Research, *2018 Visitor Satisfaction and Activity Report*

<<https://www.hawaiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

**Table 7.20-- VISITOR PROFILE AND TRIP CHARACTERISTICS OF VISITORS
FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2018**

[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	26.7	19.0	41.5	33.1
Repeat visitors	73.3	81.0	58.5	66.9
Lifestyle/ lifestage segments				
Wedding/honeymoon	(NA)	(NA)	(NA)	(NA)
Family (traveling with child under 18)	(NA)	(NA)	(NA)	(NA)
Young (under 35)	(NA)	(NA)	(NA)	(NA)
Middle age (35-54)	(NA)	(NA)	(NA)	(NA)
Seniors (55+)	(NA)	(NA)	(NA)	(NA)
Primary purpose of trip				
Vacation	58.3	59.5	55.8	65.4
Anniversary/ birthday	8.2	7.8	9.0	3.6
Visit friends or relatives	8.5	8.2	9.3	1.2
Business trip	4.2	3.9	4.7	2.4
Convention, conference or seminar	3.1	2.6	4.1	0.9
Honeymoon	2.6	2.0	3.8	10.2
Attend/ participate in a wedding	0.5	0.6	0.5	0.5
Family gathering/ reunion	2.2	2.5	1.6	0.9
Incentive/ reward	0.7	0.6	0.8	0.9
Get married/ vow renewal	0.7	0.7	0.7	2.6
Attend/ participate in a sporting event	1.3	1.5	0.9	1.1
Real estate purchase or viewing	0.6	0.7	0.5	0.1
Education/ visit schools	0.7	0.8	0.5	1.2
Attend Funeral	0.4	0.4	0.3	0.0
Cultural/ historical/ music event	0.5	0.6	0.5	0.5
Shopping/ fashion	0.0	0.0	0.0	1.6
Other	0.3	0.4	0.3	0.2
Gender				
Male	41.1	41.1	41.2	47.1
Female	58.9	58.9	58.8	52.9
Age				
Mean (years)	50.87	50.94	50.75	39.05

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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: 2018 -- Con.**

Characteristic	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Highest level of school				
No/ some high school	0.4	0.4	0.5	2.1
High school graduate	5.4	5.3	5.6	15.6
Some college	14.4	15.5	12.2	4.4
Vocational/ technical	3.2	3.4	2.8	7.3
2-year degree	9.3	9.3	9.2	8.0
4-year degree	35.5	35.8	34.9	52.9
Post grad degree	31.9	30.3	34.8	9.8
Employment status				
Self-employed	14.3	15.2	12.5	9.9
Employed, working for someone else	53.6	52.7	55.5	59.4
Retired	23.8	23.6	24.0	4.0
Student	2.5	2.5	2.5	8.2
Homemaker	4.0	4.3	3.6	10.6
Other	1.7	1.7	1.8	7.9
U.S. visitors' income				
Up to \$40,000	6.9	7.1	6.5	(X)
\$40,000 to \$59,999	8.2	8.1	8.5	(X)
\$60,000 to \$79,999	11.1	10.9	11.4	(X)
\$80,000 to \$99,999	10.4	10.3	10.6	(X)
\$100,000 to \$124,999	14.9	15.0	14.7	(X)
\$125,000 to \$149,999	11.8	12.2	10.9	(X)
\$150,000 to \$174,999	8.9	9.1	8.5	(X)
\$175,000 to \$199,999	5.8	5.8	5.9	(X)
\$200,000 to \$249,999	8.1	7.8	8.7	(X)
\$250,000 or more	13.9	13.7	14.2	(X)
Japan visitors' income				
Less than 3.5 million Yen	(X)	(X)	(X)	21.2
3.5 million Yen to 4.5 million Yen	(X)	(X)	(X)	14.1
4.5 million Yen to 5.5 million Yen	(X)	(X)	(X)	10.8
5.5 million Yen to 6.5 million Yen	(X)	(X)	(X)	7.4
6.5 million Yen to 7.5 million Yen	(X)	(X)	(X)	7.0
7.5 million Yen to 8.5 million Yen	(X)	(X)	(X)	6.8
8.5 million Yen to 10 million Yen	(X)	(X)	(X)	8.7
10 million Yen to 15 million Yen	(X)	(X)	(X)	13.3
15 million Yen to 20 million Yen	(X)	(X)	(X)	4.7
20 million Yen or more	(X)	(X)	(X)	5.9

NA Not available.

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, *2018 Visitor Satisfaction and Activity Report* and Companion Tables <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed June 29, 2020.

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			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

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.

**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	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

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	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.

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.hawaiiitourismauthority.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	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.

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]

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

Continued on next page.

**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	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 1/	651.5	631.5	-3.1
Supplemental business	125.6	132.8	5.7

1/ 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.hawaii tourism authority.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]

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	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.

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	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.

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 7.30-- 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.hawaii-tourism-authority.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	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

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	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

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 INDEXES, AND PRICE DEFLATOR: 1991 TO 2019

Year	Average daily room rate 1/ (dollars)	1-way air fares (dollars)		Honolulu Consumer Price Index 4/ (1982-84=100)			Implicit price deflator for Hawaii GDP 5/ (2012=100)
		San Francisco-Honolulu 2/	Honolulu-Kahului 3/	Food away from home	Apparel	All items	
1991	101.89	642.00	65.95	133.6	110.5	148.0	(NA)
1992	105.59	400.00	69.95	137.8	114.2	155.1	(NA)
1993	103.26	566.00	74.00	141.9	116.5	160.1	(NA)
1994	105.46	566.00	74.00	146.4	118.7	164.5	(NA)
1995	109.39	596.00	74.00	149.2	117.5	168.1	(NA)
1996	116.79	530.00	85.00	150.8	118.5	170.7	(NA)
1997	124.96	521.00	80.00	152.6	117.3	171.9	67.6
1998	129.66	521.00	88.00	153.3	112.2	171.5	69.2
1999	131.66	536.00	94.75	158.3	105.4	173.3	71.1
2000	140.63	576.00	94.50	160.0	103.5	176.3	73.6
2001	144.88	692.00	95.25	164.0	101.0	178.4	76.6
2002	140.89	692.00	99.00	166.0	102.6	180.3	78.5
2003	144.16	714.00	119.00	167.1	98.5	184.5	80.4
2004	152.17	714.00	139.60	171.0	101.2	190.6	82.8
2005	166.16	829.00	144.70	176.4	102.5	197.8	85.6
2006	187.19	(NA)	167.80	186.0	104.4	209.4	88.6
2007	199.96	(NA)	182.90	195.1	104.1	219.5	91.6
2008	201.85	(NA)	170.00	202.3	105.3	228.9	93.3
2009	177.10	(NA)	218.10	210.8	112.8	230.0	95.1
2010	174.84	(NA)	191.20	213.6	116.4	234.9	96.0
2011	189.83	(NA)	191.20	219.1	118.4	243.6	97.8
2012	204.93	(NA)	191.30	230.3	121.5	249.5	100.0
2013	229.90	(NA)	191.40	241.2	119.0	253.9	102.0
2014	234.85	(NA)	185.00	247.7	111.1	257.6	6/ 104.5
2015	244.64	(NA)	187.00	263.0	108.9	260.2	6/ 107.2
2016	254.03	(NA)	182.40	273.0	111.7	265.3	6/ 108.8
2017	264.49	(NA)	189.40	277.6	115.8	272.0	6/ 110.8
2018	278.07	(NA)	189.28	285.6	110.3	277.1	6/ 113.5
2019	282.41	(NA)	189.17	295.3	114.8	281.6	116.5

Continued on next page.

Table 7.35-- VISITOR INDUSTRY PRICES, PRICE INDEXES, AND PRICE DEFLATOR: 1991 TO 2019 -- Con.

NA Not available.

1/ 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).

2/ 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).

3/ 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 18.40.

4/ Honolulu CPI for All Urban Consumers, from U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (CPI-U) All Items Multi-screen <<https://www.bls.gov/cpi/data.htm>> accessed July 10, 2020. See also *Data Book* Table 14.06

5/ Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (July 7, 2020) <http://www.bea.gov/iTable/index_regional.cfm> accessed July 7, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism. See also *Data Book* Table 14.01

6/ Revised from previous *Data Book*.

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: 2014 TO 2019

[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	2014	2015	2016	2017	2018	2019
Issued by Honolulu Office	62,999	67,866	72,333	80,702	80,694	79,601
Mailed to Hawaii addresses	44,304	49,313	51,300	57,124	67,401	68,176
Mailed outside the state	18,695	18,553	21,033	23,578	13,293	11,425

Source: U.S. Department of State, Honolulu Passport Agency, records.

Table 7.38-- PERFORMING ARTS, FOR OAHU: 2018-2019 SEASON

Name of organization and type of performance	Productions	Performances	Attendance
All reporting groups	122	1,014	209,252
Department of Enterprise Services, total	(NA)	(NA)	(NA)
Dance	(NA)	(NA)	(NA)
Classical concerts	(NA)	(NA)	(NA)
Operas	(NA)	(NA)	(NA)
Pop/rock shows	(NA)	(NA)	(NA)
Stage shows	(NA)	(NA)	(NA)
Brigham Young University (Theatre)	5	36	4,100
Brigham Young University (Music)	(NA)	(NA)	(NA)
Diamond Head Theatre	(NA)	(NA)	(NA)
Hawaii Pacific University (Theater)	2	11	375
Hawaii Pacific University (Music)	(NA)	15	2,000
Honolulu Theatre for Youth	8	517	103,907
Kennedy Theatre, total	28	97	25,335
Dance	12	29	4,984
Theatre	16	68	20,351
Manoa Valley Theatre	(NA)	(NA)	(NA)
Kumu Kahua Theater	(NA)	(NA)	(NA)
Paliku Theatre 2/	51	2/ 241	2/ 48,200

NA Not available.

1/ Numbers include both Windward Community College shows as well as non-UH affiliated organizations.

2/ Numbers are estimates.

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: 2017 TO 2019

[For calendar year unless otherwise specified]

Island and cultural attraction	2017	2018	2019
OAHU			
Atlantis Submarines	255,558	257,757	255,160
Atlantis Cruises	56,348	62,485	53,746
Battleship Missouri Memorial	654,929	622,653	592,690
Bernice P. Bishop Museum	(NA)	(NA)	(NA)
Diamond Head State Monument 1/ 2/	1,115,636	3/ 1,067,000	3/ 1,256,000
Foster Botanical Garden	45,391	50,263	54,698
Harold L. Lyon Arboretum	45,468	46,443	48,121
Hawaii Maritime Center	(4/)	(4/)	(4/)
Hawaii's Plantation Village	19,853	17,965	18,233
Hawaii State Art Museum (HiSAM) 1/	68,759	62,237	75,148
Honolulu Museum of Art on Beretania	257,245	239,034	220,548
Honolulu Museum of Art at First Hawaiian Center	(NA)	(NA)	(NA)
Honolulu Museum of Art at Spalding House	36,889	31,657	34,705
Honolulu Police Department Museum	1,329	1,321	1,498
Honolulu Zoo	560,479	579,134	(NA)
Ho'omaluhia Botanical Garden	226,601	249,259	323,184
Iolani Palace State Monument	131,254	130,836	130,497
King Kamehameha V Judiciary History Center 1/	129,000	179,390	174,629
Mormon Temple Grounds 5/	270,180	(NA)	(NA)
Pearl Harbor Aviation Museum 6/	260,155	245,396	255,996
Polynesian Cultural Center	670,798	669,887	(NA)
Puu O Mahuka Heiau State Historic Site	(7/)	(7/)	(7/)
Queen Emma Summer Palace	11,387	(NA)	(NA)
Royal Mausoleum State Monument	(7/)	(7/)	(7/)
Sea Life Park Hawaii 8/	391,140	288,917	265,665
Tropic Lightning Museum, Schofield Barracks 8/	11,164	12,585	9,351
Ulupo Heiau State Historical Park	(7/)	(7/)	(7/)
U.S. Army Museum of Hawaii, Ft. DeRussy 8/	95,023	94,991	93,108
U.S.S. Bowfin Submarine Museum	417,724	400,462	409,073
University of Hawaii Art Gallery 9/	52,000	52,000	(NA)
Waikiki Aquarium 1/	323,007	302,251	300,484
WWII Valor in the Pacific National Monument 10/	1,947,495	11/ 1,779,143	1,716,535

Continued on next page.

**Table 7.40-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL
ATTRACTIONS: 2017 TO 2019 -- Con.**

Island and cultural attraction	2017	2018	2019
HAWAII			
H.N. Greenwell Store	1,772	2,041	1,716
Hawaii Tropical Botanical Garden	(NA)	(NA)	(NA)
Hawaii Volcanoes National Park 12/	2,016,702	13/ 1,116,891	1,368,376
Hulihe'e Palace	26,674	(NA)	(NA)
Kaloko-Honokohau National Historical Park	196,857	218,015	232,921
Kona Coffee Living History Farm 14/	13,207	15,243	14,618
Lyman House Memorial Museum	10,400	11,052	10,019
Nani Mau Gardens	(7/)	(7/)	(7/)
Pacific Tsunami Museum	18,079	21,701	18,778
Pana'ewa Rainforest Zoo and Gardens 1/	264,415	269,453	(NA)
Pu'uhonua O Honaunau National Historical Park	505,735	462,974	414,410
Pu'ukohola Heiau National Historic Site	147,259	145,585	133,573
Volcano Art Center Gallery	380,000	162,500	(NA)
Volcano Art Center Campus	9,300	14,500	(NA)
MAUI			
Alexander & Baldwin Sugar Museum	36,621	32,025	26,088
Aquarium Maui/Maui Ocean Center	340,107	365,939	442,496
Haleakala National Park	1,112,390	1,044,084	994,394
Halekii-Pihana Heiau State Historical Site	(7/)	(7/)	(7/)
Hana Cultural Center	385	468	601
Hawaiian Islands Humpback Whale Sanctuary 9/	7,000	9,000	10,000
Iao Valley State Monument	(7/)	(7/)	(7/)
Kula Botanical Garden	23,500	22,750	26,650
Lahaina Restoration Foundation	25,152	27,671	26,214
Baldwin Missionary Home Museum	14,340	15,300	14,110
Hale Pai Printing House	228	413	293
Wo Hing Temple Museum	10,584	11,958	11,811
Maui Historical Society Bailey House Museum	11,884	16,974	(NA)
The Whale Center of Hawaii 15/	(NA)	(NA)	(NA)

Continued on next page.

Table 7.40-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2017 TO 2019 -- Con.

Island and cultural attraction	2017	2018	2019
KAUAI			
Grove Farm Homestead	3,829	3,727	(NA)
Kauai Museum	42,050	51,024	52,150
Kilauea Point National Wildlife Refuge 16/	203,598	238,470	184,367
Kokee Natural History Museum 17/	94,268	9/ 93,407	84,007
Waioli Mission House	366	228	(NA)
MOLOKAI			
Kalaupapa National Historical Park 18/	76,512	72,146	69,401
LANAI			
Lanai Culture & Heritage Center	11,258	8,461	10,208

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/ Numbers rounded to the nearest 1,000.

4/ The Bishop Museum ceased public operations at its Hawaii Maritime Center, effective May 1, 2009.

5/ Church of Jesus Christ of Latter-Day Saints, Hawaii Temple Visitor's Center.

6/ Formerly known as the Pacific Aviation Museum.

7/ No visitor counts are conducted.

8/ Fiscal year ending September 30.

9/ Data are estimates.

10/ Counts include visitors to USS *Arizona* Memorial.

11/ 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.

12/ Kilauea Visitor Center and Jagger Museum are included in the total attendance at Hawaii Volcanoes National Park.

13/ Hawaii Volcanoes National Park was closed from May 11, 2018 through September 22, 2018 due to volcanic activity.

14/ Visitor count for 2015 was previously not available. The visitor count in 2015 was 6,089.

15/ The Whalers Village Museum was not open to the public in 2016. It is slated to reopen under new management as The Whale Center of the Pacific.

16/ Visitor count is for the Point only and do not include counts for the overlook on Kilauea Road. In 2019, the refuge was closed from December 26th through January 9th due to a government shutdown. April 2016 due to Refuge closure for trail stabilization.

17/ Visitor count was lower than usual in 2019 due to 2 1/2 months of very disruptive parking lot paving from May through the second week of July and a very rainy year.

18/ Includes Kalaupapa Settlement.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of attractions.

Table 7.41-- NATIONAL PARKS, SITES AND MONUMENTS: 2000 TO 2019

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 1/	371,494	360,134	11,360	4,929,610
2019	371,494	360,134	11,360	4,929,610
AREAS: 2019				
Haleakala National Park	33,265	33,264	(2/)	994,394
Hawaii Volcanoes National Park	325,605	325,605	-	1,368,376
Honouliuli National Monument	154	123	31	(3/)
Kalaupapa National Historical Park	10,779	23	10,756	69,401
Kaloko-Honokohau National Historical Park	1,163	616	547	232,921
Pu'uuhonua o Honaunau National Historical Park	420	420	-	414,410
Pu'ukohola Heiau National Historic Site	86	61	25	133,573
World War II Valor in the Pacific National Monument 1/ 4/	22	22	-	1,716,535

1/ Visitor access to the USS *Arizona* Memorial was suspended from May 6, 2018 to September 1, 2019 due to damage to the Memorial bridge and dock. Other activities at the site remained open.

2/ Figure rounds to 0 but is included in total.

3/ Honouliuli National Monument was established by presidential proclamation on February 24, 2015. It is not yet open to visitors.

4/ Formerly, World War II Valor in the Pacific National Monument.

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 25, 2020.

Table 7.42-- STATE PARKS AND HISTORIC SITES: 1992 TO 2019

[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
2018	64	34,156.8	685.2
2019	64	34,156.8	685.2
ISLAND: 2019			
Hawaii	16	8,159.9	242.5
Maui	9	326.5	37.9
Molokai	1	233.7	10.0
Oahu	28	11,335.6	264.2
Kauai	10	14,101.1	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: 2017 TO 2019

[As of June 30. Parks having at least 1,000 acres]

Park	Acreage	
	Total	Developed
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
Kaena Point State Park	1,462.8	7.5
Sacred Falls State Park	1,374.2	10.0
Kiholo State Park Reserve	4,365.0	3.0
Pupukea-Paumalu State Park Reserve	1,103.6	2.2
2018		
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
Kaena Point State Park	1,462.8	7.5
Sacred Falls State Park	1,374.2	10.0
Kiholo State Park Reserve	4,365.0	3.0
Pupukea-Paumalu State Park Reserve	1,103.6	2.2
2019		
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
Kaena Point State Park	1,462.8	7.5
Sacred Falls State Park	1,374.2	10.0
Kiholo State Park Reserve	4,365.0	3.0
Pupukea-Paumalu State Park Reserve	1,103.6	2.2

Source: Hawaii State Department of Land and Natural Resources, Division of State Parks, records.

**Table 7.44-- NATIONAL AND STATE HISTORIC SITES, BY ISLAND:
2019 AND 2020**

[Categories are not exclusive; a site may be listed on both Hawaii Register and National Register]

State and island	2019 1/			2020 2/		
	Listed Hawaii register	Nominated Hawaii register	Listed National register	Listed Hawaii register	Nominated Hawaii register	Listed National register
State total	1,025	16	359	1,044	30	366
Hawaii	177	3	84	182	1	87
Kahoolawe	1	-	1	1	-	1
Kauai	79	-	39	80	-	40
Lanai	1	-	2	1	-	2
Maui	75	-	39	75	-	40
Molokai	158	-	27	158	-	26
Northwestern Hawaiian Islands	1	-	3	1	-	3
Oahu	533	13	164	546	29	167

1/ As of June 26, 2019.

2/ As of June 19, 2020.

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" (June 19, 2020) <https://dlnr.hawaii.gov/shpd/home/attachment/historicregisters_19june2020-2/> accessed July 6, 2020.

Table 7.45-- ZOOS: 2015 TO 2019

Subject and Zoo	2015	2016	2017	2018	2019
Species 1/ 2/					
Honolulu Zoo	203	200	193	191	185
Panaewa Rainforest Zoo and Gardens (Hilo)	87	91	87	85	88
Individuals 1/ 2/					
Honolulu Zoo	869	913	813	814	762
Panaewa Rainforest Zoo and Gardens (Hilo)	180	195	179	172	190
Attendance 3/					
Honolulu Zoo	592,780	564,114	560,479	579,134	569,049
Panaewa Rainforest Zoo and Gardens (Hilo)	214,249	251,436	262,275	269,453	283,807

NA Not available.

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: 2019

[As of June 30. For annual attendance, see table 7.40]

Phylum or class	Sea Life Park		Waikiki Aquarium	
	Species	Individuals	Species	Individuals
Total	33	880	357	2,953
Fishes	11	270	180	1,166
Reptiles	1	38	-	-
Mammals	4	22	1	1
Invertebrates	9	75	168	1,786
Birds	8	475	-	-

Source: Sea Life Park, records; and Waikiki Aquarium, records. Calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 7.47-- COUNTY PARKS, BY ISLAND: 2017 TO 2019

[As of December 31]

Island	Number			Acreage		
	2017	2018	2019	2017	2018	2019
State total	730	751	752	11,166	11,148	11,145
Hawaii	209	209	209	2,906	2,906	2,908
Maui	133	141	141	2,403	2,444	2,436
Lanai	5	5	5	24	24	24
Molokai	12	12	13	79	80	83
Oahu	297	299	299	5,267	4,909	4,909
Kauai	74	85	85	487	785	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: 2018

Beach park	Estimated attendance 1/	Rescues	Drownings	Surfing accidents
All parks	22,562,951	2,148	14	68
Ala Moana	3,251,376	38	-	-
Alii/Haleiwa	397,290	104	1	6
Bellows	78,751	5	-	-
Chun's Reef	352,562	109	-	6
Ehukai	579,434	94	-	1
Hanauma	1,251,444	457	7	-
Kailua	724,178	13	-	-
Keauwaula	297,179	44	-	-
Ke'Waena	331,690	43	-	1
Kualoa	176,617	11	-	-
Laniakea	400,178	72	-	11
Mali	465,457	38	-	-
Makaha	471,790	32	-	5
Makapuu	202,572	140	1	2
Nanakuli	449,828	56	-	-
Pokai Bay	265,256	13	-	-
Sandy	549,960	378	-	3
Sunset	398,151	30	2	3
Waikiki	10,892,764	262	1	26
Waimanalo	486,164	64	1	-
Waimea	540,310	145	1	4

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: 2020**

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 45	11 8	9 8	33 21	10 8
Recommended for surfing	26	-	4	20	2
Recommended for snorkeling	23	5	6	9	3
Recommended for fishing	25	-	1	21	3

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). Beaches included have multiple activity recommendations. 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 July 7, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 7.50-- COUNTY TENNIS FACILITIES: 2010 TO 2019

[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
2019	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
2019	324	44	43	3	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 2019

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
2019	6	99	372,307	7,707

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 2020

[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	5,600,000	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	3/ 72	263	17	6,200,000	1,116,000
2019	72	258	22	6,400,000	1,152,000
2020	4/ 72	269	11	6,600,000	1,188,000

1/ There was an additional 2 hole playoff.

2/ There was an additional 3 hole playoff.

3/ There was an additional 6 hole playoff.

4/ There was an additional 1 hole playoff.

Source: Sony Open in Hawaii, Player Performances <<https://www.sonyopeninhawaii.com/player-performances>>
Accessed July 8, 2020.

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 1/	Hunting licenses
2010	5,842	10,427
2011	2,864	10,535
2012	2,195	10,738
2013	4,402	9,476
2014	4,790	10,673
2015	4,924	11,958
2016	4,722	11,929
2017	4,590	11,813
2018	4,580	11,956

NA Not available.

1/ Revised from previous *Data Book*.

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 2019

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
2019	23,882	18,805	2:07:59	2:31:09

Source: Honolulu Marathon Association, Honolulu Marathon Champions & Entrants/Finishers <<https://www.honolulumarathon.org/2018-results>> accessed May 15, 2020 and records. See also History & Statistics <<https://www.honolulumarathon.org/key-information/history-statistics>>, and records.

Table 7.57-- IRONMAN TRIATHLON WORLD CHAMPIONSHIP PARTICIPANTS, FINISHERS AND WINNING TIMES: 1992 TO 2019

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
2019	2,446	2,265	7:51:13	8:40:10

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 27, 2020.

**Table 7.58-- TRANSPACIFIC YACHT CLUB'S HONOLULU RACE ENTRIES
AND WINNING TIMES: 1985 TO 2019**

[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
2019 1/	90	8:16:21:29	8:00:52:37

1/ Results are preliminary

Source: Transpac website <<http://www.transpacrace.com>> accessed May 15, 2020.

**Table 7.59-- TOTAL ATTENDANCE AT FOOTBALL BOWL GAMES:
2002-2003 TO 2019-2020 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	43,673	41,089	49,338
2011-2012	32,630	19,411	48,423
2012-2013	30,024	19,712	47,134
2013-2014	29,106	22,324	47,270
2014-2015	25,365	13,922	3/ 63,225
2015-2016	22,793	14,537	50,000
2016-2017	23,175	20,327	4/ 60,834
2017-2018	20,546	12,187	4/ 51,019
2018-2019	30,911	27,835	4/ 51,192
2019-2020	21,582	19,539	4/ 54,024

NA Not available.

1/ Turnstile count not available for Pro Bowl.

2/ Held in Miami, FL.

3/ Held in Phoenix, AZ.

4/ Held in Orlando, FL.

Source: SoFi Hawai'i Bowl Results Archive, *Bowl Record Book* (annual) and Game Stats

<<https://www.thehawaiibowl.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; ESPN, "NFL Scoreboard -- All-Stars vs. All Stars - Game Summary"

<https://www.espn.com/nfl/scoreboard/_/year/2019/seasontype/3/week/4> accessed May 7, 2020; and Hawai'i Bowl records.

Table 7.60-- VARSITY SPORTS SUMMARY FOR THE UNIVERSITY OF HAWAII AT MANOA: 2015-2016 TO 2018-2019

[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
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
2018-2019						
Baseball	50	20	30	-	32	84,895
Basketball (men's)	31	18	13	-	18	99,489
Basketball (women's)	32	15	17	-	16	29,659
Football	14	8	6	-	8	205,455
Volleyball (men's)	31	28	3	-	16	83,362
Volleyball (women's)	27	18	9	-	17	93,537

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:
2012-2013 TO 2018-2019 SEASONS**

[Data are for Oahu only (OIA)]

Sport	Players	Games 1/	Attendance	Expenditure 2/ (dollars)
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
2018-2019				
Baseball	Boys	(NA)	(NA)	56,676
Basketball	Boys and girls	292	27,791	68,973
Football	Boys	3/ 123	134,844	311,437

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.

3/ Game sites may include doubleheaders.

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 2019

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	-	-	-	-
2019	1	1	(NA)	(NA)
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)
2019	7	19	(NA)	(NA)

NA Not available.

1/ Pro boxing was not supported from 2011 to 2016.

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
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Narrative

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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.

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	
	Total	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, sex 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	
	Total	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, sex 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

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**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	Total	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, sex 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

Continued on next page.

**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/	294,544	Hannemann, M.	147,949	Bainum, D.	146,595	-
2008 4/	298,795	Hannemann, M.	172,997	Kobayashi, A.	125,798	-
2010 6/						
2012 4/	292,454	Caldwell, K.	157,714	Cayetano, B.	134,740	-
2016 4/	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/	62,174	Kenoi, B.	31,806	Kim, H.	30,368	-
2016 8/						
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	-

Continued on next page.

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 2020**

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	-
2020	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 July 5, 2020.

Table 8.14-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2020

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	28/ September 16	29/ 4
2020	Jan. 15	178	(NA)	(NA)

Continued on next page.

Table 8.14-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2020 -- 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).

28/ The Second Special Session of 2019 convened on November 12.

29/ Combined length for the First Special Session (2 days) and the Second Special Session (2 days).

Source: Legislative Reference Bureau, records.

Table 8.15-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2018 AND 2019

Action	Session					
	2018			2019		
	Regular	1st Special	2nd Special	Regular	1st Special	2nd Special
House bills						
Carried over from previous year	1,468	(X)	(X)	(X)	(X)	(X)
Introduced	1,153	-	-	1,597	-	-
Passed 1/	134	-	-	155	-	-
Vetoed 2/	1	-	-	10	-	-
Became law 3/	133	-	-	146	-	-
Senate bills						
Carried over from previous year	1,220	(X)	(X)	(X)	(X)	(X)
Introduced	1,107	-	-	1,545	-	-
Passed 4/	95	-	-	148	-	-
Vetoed	7	-	-	8	-	-
Became law 5/	87	-	-	140	-	-
House resolutions						
Offered	230	-	-	226	-	-
Adopted	65	-	-	77	-	-
House concurrent resolutions						
Offered	245	-	-	232	-	-
Adopted	25	-	-	29	-	-

Continued on next page.

Table 8.15-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2018 AND 2019 -- Con.

Action	Session					
	2018			2019		
	Regular	1st Special	2nd Special	Regular	1st Special	2nd Special
Senate resolutions						
Offered	146	1	1	177	1	1
Adopted	58	1	1	91	1	1
Senate concurrent resolutions						
Offered	194	-	-	217	-	-
Adopted	30	-	-	23	-	-

X Not applicable

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 2018 total includes H.B. 1614, 1646, 1876, 2071, 2589, and 2601 which became law without the Governor's signature. 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 2018 total includes S.B. 2922 which proposes a constitutional amendment.

5/ The 2018 total includes S.B. 2027 and S.B. 2461 which became law without the Governor's signature. 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.

Table 8.16-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2020

Action	Session	
	Regular	Special
House bills		
Carried over from previous year	1,442	(NA)
Introduced	1,156	(NA)
Passed	44	(NA)
Vetoed	1	(NA)
Became law	3	(NA)
Senate bills		
Carried over from previous year	1,397	(NA)
Introduced	1,180	(NA)
Passed	38	(NA)
Vetoed	-	(NA)
Became law 1/	2	(NA)
House resolutions		
Offered	190	(NA)
Adopted	23	(NA)
House concurrent resolutions		
Offered	200	(NA)
Adopted	3	(NA)
Senate resolutions		
Offered	201	(NA)
Adopted	32	(NA)
Senate concurrent resolutions		
Offered	245	(NA)
Adopted	4	(NA)

NA Not available.

1/ The 2020 total includes S.B. 3139 SD1 HD1 which was approved as Act 4 and includes a line item veto. The 2020 total also includes S.B. 3080 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, *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:
1997 TO 2019**

[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
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/	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/	18,872,501	9,415,214	9,457,287	7,029,026	2,428,261
2018 2/	(NA)	9,591,724	(NA)	7,714,451	(NA)
2019 2/	(NA)	9,246,293	(NA)	8,207,524	(NA)

NA Not available.

1/ *IRS Data Book 1997* contains data for the Pacific-Northwest of which Hawaii is a part. No Hawaii detail.

2/ State and county compilation by the U.S. Census Bureau is generally based on the same source documents as the Tax Foundation of Hawaii but may not be strictly comparable in the treatment of specific categories.

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, *Internal Revenue Service Data Book* (annual, beginning 1997); and for 2001 to 2019

<<http://www.irs.gov/uac/SOI-Tax-Stats-IRS-Data-Book>> accessed June 30, 2020; U.S. Census Bureau, "State & Local Summary Tables by Level of Government - Hawaii" (annual from 2004)

<<http://www.census.gov/govs/index.html>> accessed July 6, 2020; *Ibid.* "Annual Survey of State Government Tax Collections" (annual) <<http://www.census.gov/govs/statetax/>> accessed July 5, 2020; calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.02-- FEDERAL TAX COLLECTIONS, BY SOURCE: 2015 TO 2019

[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	2015	2016	2017	2018	2019
Federal collections	8,221,290	8,811,882	9,415,214	9,591,724	9,246,293
Business income 1/	476,171	581,689	700,144	683,176	539,647
Individual income and employment	7,468,136	7,864,419	8,442,127	8,564,619	8,416,640
Income tax payments & SECA 2/	1,875,437	1,957,572	2,096,762	2,292,908	2,161,253
Estate and trust income tax	73,858	72,686	71,168	85,561	82,107
Income tax withheld & FICA 3/	5,501,597	5,816,881	6,255,294	6,167,632	6,155,481
Railroad retirement	-	-	-	-	-
Unemployment insurance	17,244	17,281	18,903	18,519	17,798
Estate	35,687	120,717	62,846	48,381	50,037
Gift	985	14,151	-543	2,011	16
Excise 4/	240,311	230,906	210,640	293,536	239,953

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 June 30, 2020.

Table 9.03-- STATE AND LOCAL GOVERNMENT REVENUES: 1992 TO 2018

[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	16,817,992	13,065,465	3,979,610
2016	17,378,714	13,417,567	4,190,598
2017 2/	20,329,637	16,118,261	4,522,265
2018 3/	(NA)	16,150,841	(NA)

NA Not available.

1/ There are no state-by-state statistics available.

2/ 'State' as component of 'State and Local' revised from previous *Data Book*. May not be comparable to 'State' revision-forthcoming data with elsewhere.

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 27, 2020; and "State Government Finances: 2018" <<http://www.census.gov/govs/state/>> accessed July 27, 2020.

Table 9.04-- STATE GOVERNMENT TAX COLLECTIONS: 2016 TO 2019

[Data rounded to thousands of dollars. For fiscal year ending June 30]

Source	2016	2017	2018	2019
Total taxes	6,919,035	7,029,026	7,714,451	8,207,524
Sales and gross receipts	4,315,902	4,365,856	4,732,032	5,062,134
General sales & gross receipts	3,206,154	3,239,225	3,529,065	3,808,718
Selective sales taxes	1,109,748	1,126,631	1,202,967	1,253,416
Alcoholic beverages	50,590	51,167	51,383	51,913
Insurance premiums	157,900	170,118	165,602	179,690
Motor fuels	92,591	87,026	88,377	87,869
Public utilities	152,760	122,159	117,641	126,691
Tobacco products	124,890	124,160	120,386	111,803
Other selective sales	531,017	572,001	659,578	695,450
Licenses	263,130	269,224	275,600	280,311
Corporation	1,765	1,723	1,818	1,920
Hunting & fishing	599	567	665	723
Motor vehicle	186,742	187,986	191,757	195,972
Motor vehicle operators	349	316	306	303
Public utility	20,804	17,352	15,001	15,696
Occupation & business, NEC	41,566	48,633	53,544	53,574
Other licenses	11,305	12,647	12,509	12,123
Income taxes	2,224,299	2,280,441	2,576,863	2,758,743
Individual income	2,116,130	2,095,601	2,430,032	2,568,259
Corporation net income	108,169	184,840	146,831	190,484
Other taxes	115,704	113,505	129,956	106,336
Death and gift	49,613	18,968	29,351	18,921
Documentary & stock transfer	66,091	94,537	100,605	87,415

Source: U.S. Census Bureau, Table GS00TC01 "State Tax Collections Detailed Table: U.S. and States 2016 - 2019" <<https://data.census.gov/cedsci/>> accessed July 5, 2020.

**Table 9.05-- 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. Data for the United States revised from previous *Data Book*]

Item	Hawaii	United States
Total taxes	7,029,026	957,498,317
Property taxes	(X)	19,033,861
Sales and gross receipts	4,365,856	458,912,543
General sales and gross receipts	3,239,225	304,972,277
Selective sales taxes	1,126,631	153,940,266
Alcoholic beverages	51,167	6,591,505
Amusements	(X)	7,851,912
Insurance premiums	170,118	21,007,759
Motor fuels	87,026	45,024,717
Pari-mutuels	(X)	118,537
Public utilities	122,159	12,435,763
Tobacco products	124,160	18,663,336
Other selective sales	572,001	42,246,737
Licenses	269,224	55,252,421
Alcoholic beverages	(X)	667,230
Amusements	(X)	544,801
Corporation	1,723	5,863,557
Hunting and fishing	567	1,621,226
Motor vehicle	187,986	26,174,747
Motor vehicle operators	316	2,584,825
Public utility	17,352	1,369,744
Occupation and business, NEC	48,633	14,930,468
Other licenses	12,647	1,495,823
Income taxes	2,280,441	398,308,089
Individual income	2,095,601	353,137,071
Corporation net income	184,840	45,171,018
Other taxes	113,505	25,991,403
Death and gift	18,968	4,757,809
Documentary and stock transfer	94,537	9,754,170
Severance	(X)	8,732,702
Taxes, NEC	-	2,746,722

X Not applicable.

Source: U.S. Census Bureau, Table GS00TC01 "State Tax Collections Detailed Table: U.S. and States 2016 - 2019" <<https://data.census.gov/cedsci/>> accessed July 5, 2020.

**Table 9.06-- 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. Data for the United States revised from previous *Data Book*]

Item	Hawaii	United States
Total taxes	7,714,451	1,035,044,064
Property taxes	(X)	20,083,012
Sales and gross receipts	4,732,032	486,244,450
General sales and gross receipts	3,529,065	321,195,519
Selective sales taxes	1,202,967	165,048,931
Alcoholic beverages	51,383	6,789,394
Amusements	(X)	8,169,039
Insurance premiums	165,602	22,508,100
Motor fuels	88,377	48,350,928
Pari-mutuels	(X)	127,379
Public utilities	117,641	12,535,862
Tobacco products	120,386	19,402,248
Other selective sales	659,578	47,165,981
Licenses	275,600	57,351,416
Alcoholic beverages	(X)	719,783
Amusements	(X)	758,924
Corporation	1,818	6,031,659
Hunting and fishing	665	1,659,331
Motor vehicle	191,757	27,913,568
Motor vehicle operators	306	2,673,499
Public utility	15,001	1,326,412
Occupation and business, NEC	53,544	14,770,935
Other licenses	12,509	1,497,305
Income taxes	2,576,863	440,535,919
Individual income	2,430,032	392,255,320
Corporation net income	146,831	48,280,599
Other taxes	129,956	30,829,267
Death and gift	29,351	5,072,109
Documentary and stock transfer	100,605	10,166,092
Severance	(X)	12,628,238
Taxes, NEC	-	2,962,828

X Not applicable.

Source: U.S. Census Bureau, Table GS00TC01 "State Tax Collections Detailed Table: U.S. and States 2016 - 2019" <<https://data.census.gov/cedsci/>> accessed July 5, 2020.

**Table 9.07-- STATE GOVERNMENT TAX COLLECTIONS FOR HAWAII
AND THE UNITED STATES: 2019**

[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]

Item	Hawaii	United States
Total taxes	8,207,524	1,090,242,189
Property taxes	(X)	21,122,955
Sales and gross receipts	5,062,134	505,225,258
General sales and gross receipts	3,808,718	335,685,596
Selective sales taxes	1,253,416	169,539,662
Alcoholic beverages	51,913	6,993,527
Amusements	(X)	8,477,324
Insurance premiums	179,690	23,556,159
Motor fuels	87,869	50,681,589
Pari-mutuels	(X)	129,430
Public utilities	126,691	12,185,929
Tobacco products	111,803	18,689,688
Other selective sales	695,450	48,826,016
Licenses	280,311	59,138,337
Alcoholic beverages	(X)	710,536
Amusements	(X)	798,425
Corporation	1,920	6,694,176
Hunting and fishing	723	1,711,386
Motor vehicle	195,972	28,169,820
Motor vehicle operators	303	2,793,582
Public utility	15,696	1,328,269
Occupation and business, NEC	53,574	15,371,048
Other licenses	12,123	1,561,095
Income taxes	2,758,743	470,574,829
Individual income	2,568,259	412,392,994
Corporation net income	190,484	58,181,835
Other taxes	106,336	34,180,810
Death and gift	18,921	5,051,082
Documentary and stock transfer	87,415	10,674,070
Severance	(X)	14,910,452
Taxes, NEC	-	3,545,206

X Not applicable.

Source: U.S. Census Bureau, Table GS00TC01 "State Tax Collections Detailed Table: U.S. and States 2016 - 2019" <<https://data.census.gov/cedsci/>> accessed July 5, 2020.

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: 2015 TO 2018

[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
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
2018							
25,000	3,779	15.1	4	2,626	10.5	2,712	10.8
50,000	3,476	7.0	42	4,459	8.9	4,432	8.9
75,000	5,861	7.8	41	7,238	9.7	7,026	9.4
100,000	8,022	8.0	41	9,654	9.7	9,625	9.6
150,000	12,221	8.1	41	14,817	9.9	15,015	10.0

1/ Based on cities actually levying tax.

2/ The lower the rank, the higher the percentage of income paid in taxes. For a breakdown of taxes, see source.

Source: Government of the District of Columbia, *Tax Rates and Tax Burdens in the District of Columbia - A Nationwide Comparison* (annual), table 1 <<http://cfo.dc.gov/node/215912>> accessed April 8, 2020.

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: 2020**

[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, 2019, the beginning of Fiscal Year 2020]

State	Overall rank	Tax index rank				
		Corporate	Individual Income	Sales	Unemploy- ment Insurance	Property
Alabama	40	23	30	50	18	15
Alaska	3	26	1	5	46	25
Arizona	20	22	17	40	6	8
Arkansas	46	34	40	46	23	29
California	48	28	49	45	22	16
Colorado	17	7	14	37	43	14
Connecticut	47	27	43	26	21	50
Delaware	11	50	41	2	3	6
Florida	4	9	1	23	2	13
Georgia	32	6	36	29	39	28
Hawaii	37	16	47	30	28	11
Idaho	21	29	26	12	48	4
Illinois	35	36	13	33	40	40
Indiana	10	11	15	20	25	2
Iowa	42	48	42	15	35	35
Kansas	34	35	23	38	14	20
Kentucky	24	17	18	14	49	36
Louisiana	41	37	32	48	4	33
Maine	33	38	22	8	32	43
Maryland	43	32	45	19	33	42
Massachusetts	36	39	11	13	50	48
Michigan	12	18	12	9	17	24
Minnesota	45	44	46	28	34	26
Mississippi	31	10	27	34	5	37
Missouri	14	5	24	24	9	7
Montana	5	21	25	3	20	12
Nebraska	28	31	21	10	11	41
Nevada	7	25	5	44	47	10
New Hampshire	6	43	9	1	45	44
New Jersey	50	49	50	42	30	47
New Mexico	22	20	31	41	8	1
New York	49	13	48	43	38	46

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**Table 9.13-- STATE BUSINESS TAX CLIMATE INDEX RANK, OVERALL
AND BY COMPONENT: 2020 -- Con.**

State	Overall rank	Tax index rank				
		Corporate	Individual Income	Sales	Unemploy- ment Insurance	Property
North Carolina	15	3	16	21	10	34
North Dakota	16	19	20	27	13	3
Ohio	38	42	44	32	7	9
Oklahoma	27	8	33	39	1	19
Oregon	8	33	38	4	36	18
Pennsylvania	29	46	19	17	42	21
Rhode Island	39	40	29	25	31	45
South Carolina	30	4	34	31	26	30
South Dakota	2	1	1	35	44	22
Tennessee	18	24	8	47	24	31
Texas	13	47	6	36	12	38
Utah	9	12	10	22	15	5
Vermont	44	45	39	16	16	49
Virginia	25	14	35	11	41	32
Washington	19	41	6	49	19	27
West Virginia	23	15	28	18	29	17
Wisconsin	26	30	37	7	37	23
Wyoming	1	1	1	6	27	39
Dist. of Columbia 1/	47	15	45	36	35	49

1/ Score and rank do not affect other areas.

Source: Tax Foundation, *2020 State Business Tax Climate Index*, Table 1 (October 22, 2019)

<<https://taxfoundation.org/publications/state-business-tax-climate-index/>> accessed December 9, 2019.

**Table 9.14-- STATE BUSINESS TAX CLIMATE INDEX RANK: 2014 TO 2020,
AND SCORE: 2019 AND 2020**

[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	2014	2015	2016	2017	2018	2019		2020	
	Index rank	Index rank	Index rank	Index rank	Index rank	Index rank	Total score	Index rank	Total score
Alabama	39	40	40	38	39	40	4.57	40	4.53
Alaska	4	4	3	3	3	3	7.27	3	7.22
Arizona	19	22	20	18	19	20	5.22	20	5.26
Arkansas	41	41	45	42	42	46	4.29	46	4.34
California	48	48	48	48	48	49	3.97	48	4.02
Colorado	20	20	18	19	17	16	5.34	17	5.30
Connecticut	47	47	47	47	47	47	4.12	47	4.23
Delaware	18	13	14	20	20	11	5.57	11	5.57
Florida	5	5	4	4	4	4	6.85	4	6.80
Georgia	30	32	34	34	34	36	4.84	32	4.91
Hawaii	29	31	32	26	26	37	4.71	37	4.68
Idaho	15	18	21	21	21	21	5.22	21	5.23
Illinois	31	36	27	24	28	35	4.85	35	4.87
Indiana	9	9	9	8	8	10	5.70	10	5.59
Iowa	42	42	43	43	44	43	4.40	42	4.38
Kansas	25	26	26	28	27	27	4.99	34	4.88
Kentucky	35	38	36	37	37	24	5.08	24	5.10
Louisiana	37	37	38	46	46	41	4.44	41	4.41
Maine	32	35	37	35	36	31	4.88	33	4.90
Maryland	40	39	39	40	40	42	4.43	43	4.37
Massachusetts	28	30	29	31	29	33	4.88	36	4.81
Michigan	11	12	13	12	12	17	5.34	12	5.54
Minnesota	44	44	44	44	43	44	4.37	45	4.35
Mississippi	26	28	30	32	32	30	4.94	31	4.96
Missouri	12	15	19	15	15	14	5.39	14	5.43
Montana	6	6	6	6	6	5	6.22	5	6.16
Nebraska	36	27	28	30	31	26	5.06	28	5.01
Nevada	3	3	5	5	5	6	5.93	7	5.88
New Hampshire	8	8	8	9	9	7	5.91	6	6.01
New Jersey	49	50	50	50	50	50	3.24	50	3.24
New Mexico	24	25	24	25	24	23	5.10	22	5.13
New York	50	49	49	49	49	48	4.00	49	4.01
North Carolina	34	11	11	10	10	12	5.47	15	5.43
North Dakota	17	17	17	17	18	15	5.39	16	5.36

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**Table 9.14-- STATE BUSINESS TAX CLIMATE INDEX RANK: 2014 TO 2020,
AND SCORE: 2019 AND 2020 -- Con.**

Location	2014	2015	2016	2017	2018	2019		2020	
	Index rank	Index rank	Index rank	Index rank	Index rank	Index rank	Total score	Index rank	Total score
Ohio	43	43	42	39	41	38	4.68	38	4.67
Oklahoma	22	21	23	23	23	28	4.95	27	5.01
Oregon	10	10	10	11	11	9	5.73	8	5.74
Pennsylvania	33	33	33	29	30	32	4.88	29	4.97
Rhode Island	45	45	41	41	38	39	4.63	39	4.57
South Carolina	27	29	31	33	33	29	4.95	30	4.96
South Dakota	2	2	2	2	2	2	7.28	2	7.34
Tennessee	13	16	16	14	14	18	5.29	18	5.29
Texas	14	14	12	13	13	13	5.42	13	5.46
Utah	7	7	7	7	7	8	5.84	9	5.70
Vermont	46	46	46	45	45	45	4.36	44	4.35
Virginia	21	24	25	27	25	25	5.07	25	5.02
Washington	16	19	15	16	16	19	5.28	19	5.28
West Virginia	23	23	22	22	22	22	5.11	23	5.12
Wisconsin	38	34	35	36	35	34	4.86	26	5.01
Wyoming	1	1	1	1	1	1	7.52	1	7.62
Dist. of Col. 1/	47	47	45	48	48	47	4.25	47	4.24

1/ Score and rank do not affect other areas.

Source: Tax Foundation, *2020 State Business Tax Climate Index*, Table 2 (October 22, 2019)

<<https://taxfoundation.org/publications/state-business-tax-climate-index/>> accessed December 9, 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 the Aloha Family" (June 2001).

**Table 9.16-- 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 1/	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	-

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**Table 9.16-- 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 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,
BY LEVEL OF GOVERNMENT: 2017**

[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/	20,329,637	16,118,261	4,522,265
General revenue 1/	17,231,835	13,451,636	4,091,088
Intergovernmental revenue 1/	3,098,783	2,787,412	622,260
General revenue from own sources	14,133,052	10,664,224	3,468,828
Taxes	9,457,287	7,029,026	2,428,261
Property	1,759,711	-	1,759,711
Sales and gross receipts	4,790,113	4,365,856	424,257
Individual income	2,095,601	2,095,601	-
Corporate income	184,840	184,840	-
Motor vehicle license	380,497	187,986	192,511
Other taxes	246,525	194,743	51,782
Charges & misc. general revenue	4,675,765	3,635,198	1,040,567
Current charges 2/	2,697,415	1,896,868	800,547
Education	442,576	442,576	-
Hospitals	685,952	685,952	-
Air transportation (airports)	430,141	430,141	-
Sewerage	527,897	-	527,897
Miscellaneous general revenue	1,978,350	1,738,330	240,020
Utility revenue	431,177	-	431,177
Insurance trust revenue	2,666,625	2,666,625	-
Unemployment compensation	173,609	173,609	-
Employee retirement	2,493,016	2,493,016	-
Expenditure 1/	16,783,022	12,682,493	4,428,167
Intergovernmental expenditure 1/	382	328,020	-
Direct expenditure by function	16,782,640	12,354,473	4,428,167
Direct general expenditure	14,005,727	10,865,527	3,140,200
Capital outlay	1,601,373	916,741	684,632
Other direct general expenditure	12,404,354	9,948,786	2,455,568
Education services 3/	3,446,221	3,446,221	-
Education	3,409,590	3,409,590	-
Libraries	36,631	36,631	-

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**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,
BY LEVEL OF GOVERNMENT: 2017 -- Con.**

Category	State & local	State	Local
Social services & income maint. 3/	4,302,740	4,158,952	143,788
Public welfare	3,085,713	2,984,652	101,061
Hospitals	617,857	617,857	-
Health	592,853	550,126	42,727
Employment security administration	6,310	6,310	-
Veterans' services	7	7	-
Transportation 3/	1,212,528	921,585	290,943
Highways	602,541	312,406	290,135
Air transportation (airports)	525,083	525,083	-
Public safety 3/	1,027,225	327,218	700,007
Police protection	481,897	44,877	437,020
Fire protection	256,778	-	256,778
Correction	228,646	228,646	-
Protective inspection and regulation	59,904	53,695	6,209
Environment and housing 3/	1,448,887	388,321	1,060,566
Natural resources	157,487	153,976	3,511
Parks and recreation	361,849	81,021	280,828
Housing and community development	264,274	153,304	110,970
Sewerage	399,202	20	399,182
Solid waste management	266,075	-	266,075
Governmental administration	916,490	585,062	331,428
Interest on general debt	348,888	113,918	234,970
Gen. expend., not elsewhere classified	1,302,748	924,250	378,498
Utility expenditure 3/	1,287,967	-	1,287,967
Water supply	364,094	-	364,094
Transit	923,873	-	923,873
Insurance trust expenditure	1,488,946	1,488,946	-
Unemployment compensation	166,061	166,061	-
Employee retirement	1,322,885	1,322,885	-
Debt outstanding	15,999,412	9,656,278	6,343,134
Short-term	80,000	-	80,000
Long-term	15,919,412	9,656,278	6,263,134
Public debt for private purposes	359,207	359,207	-
Long-term debt issued	3,720,545	2,804,011	916,534
Long-term debt retired	3,161,879	2,367,661	794,218

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**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,
BY LEVEL OF GOVERNMENT: 2017 -- Con.**

Category	State & local	State	Local
Cash and security holdings	28,912,684	25,136,521	3,776,163
Insurance trust funds	16,908,859	16,908,859	-
Unemployment compensation	1,026,236	1,026,236	-
Employee retirement	15,882,623	15,882,623	-
Workers' compensation & misc.	-	-	-
Other than insurance trust funds	12,003,825	8,227,662	3,776,163
Offsets to debt	1,102,763	882,377	220,386
Bond funds	1,014,461	777,022	237,439
Other	9,886,601	6,568,263	3,318,338

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: 2017" (March 4, 2020) <<https://www.census.gov/content/census/en/data/datasets/2017/econ/local/public-use-datasets.html>> accessed July 5, 2020.

Table 9.18-- HAWAII STATE GOVERNMENT FINANCES: 2015 TO 2018

[Amount in thousands of dollars. For fiscal year ending June 30]

Category	2015	2016	2017	2018
Total revenue	13,065,465	13,417,567	16,136,298	16,150,841
General revenue	11,813,718	12,919,296	13,451,636	14,078,337
Intergovernmental revenue	2,697,519	2,943,334	2,787,412	3,013,717
Total taxes	6,485,563	6,919,035	7,029,026	7,714,451
General sales & gross rec.	2,992,707	3,206,154	3,239,225	3,529,065
Selective sales & gross rec.	1,089,489	1,109,748	1,126,631	1,202,967
License	252,431	263,130	269,224	275,600
Individual income	1,987,915	2,116,130	2,095,601	2,430,032
Corporate net income	72,249	108,169	184,840	146,831
Other taxes	90,772	115,704	113,505	129,956
Current charges	1,715,453	1,799,125	1,896,868	1,992,911
Misc. general revenue	915,183	1,257,802	1,738,330	1,357,258
Liquor stores revenue 1/	(X)	95	(X)	(X)
Insurance trust revenue	1,251,747	498,176	2,684,662	2,072,504
Total expenditure	12,337,211	12,191,854	12,680,681	13,654,476
General expenditure, by function	11,047,776	10,806,661	11,191,735	11,789,516
Education	3,232,483	3,386,370	3,409,731	3,658,576
Public welfare	2,480,019	2,760,118	2,984,204	2,908,075
Hospitals	870,397	627,076	619,245	554,863
Health	538,736	515,683	550,157	530,959
Highways	549,795	456,996	318,005	582,684
Police protection	38,254	38,801	44,877	44,930
Correction	217,301	266,716	228,646	228,068
Natural resources	136,924	176,518	161,860	154,917
Parks and recreation	99,041	71,879	84,206	74,519
Government administration	487,579	563,903	595,200	635,783
Interest on general debt	343,513	120,750	113,918	100,246
Other and unallocable	2,053,734	1,821,851	2,081,686	2,315,896
Utility expenditure	7,523	(X)	(X)	(X)
Insurance trust revenue	1,281,912	1,385,193	1,488,946	1,585,961
Exhibit: General expenditure	11,047,776	10,806,661	11,191,735	12,068,515
Intergovernment expenditure	267,863	134,933	328,020	355,739
Direct expenditure	10,779,913	10,671,728	10,863,715	11,712,776
Debt outstanding, long- & short-term	8,757,730	9,216,583	9,656,278	9,870,931
Cash and security holdings	20,516,627	22,382,636	24,623,403	22,037,073

Continued on next page.

Table 9.18-- HAWAII STATE GOVERNMENT FINANCES: 2015 TO 2018 -- Con.

X Not applicable.

1/ Hawaii has no state-operated liquor stores. Contacted Census Bureau for clarification re: 2016.

Source: U.S. Census Bureau, "State Government Finances: 2015" (SG21400A1) (June 9, 2017);

Ibid. 2016 (SG1600A1) (March 22, 2018); Ibid. 2017 (May 3, 2019) accessed July 3, 2019; and Ibid. 2018

<<https://www.census.gov/programs-surveys/state.html>> accessed July 27, 2020.

Table 9.19-- STATE GOVERNMENT EXPENDITURES, GOVERNMENTAL FUNDS, BY FUNCTION: 2015 TO 2019

[In thousands of dollars. For fiscal year ending June 30. Table reflects changes in fund balances, governmental funds]

Function	2015	2016	2017	2018	2019
Total expenditures	10,254,158	10,628,399	11,362,828	12,130,012	12,260,264
Current	9,519,843	9,868,287	10,582,072	11,344,344	11,404,890
General government	573,820	673,236	701,083	807,032	1,007,554
Public safety	484,960	479,047	531,545	579,980	634,120
Highways	455,563	389,744	461,523	609,538	526,148
Conservation of nat'l resources	145,516	181,563	180,697	157,639	145,383
Health	855,797	876,820	873,703	827,592	1,009,545
Welfare	3,192,807	3,349,414	3,442,279	3,495,974	3,332,469
Lower education	2,619,156	2,828,013	2,973,583	3,226,275	3,334,110
Higher education	761,837	673,217	899,199	950,843	950,253
Other education	21,664	23,379	27,248	23,827	18,376
Culture and recreation	96,676	101,351	104,655	104,964	116,381
Urban redev. & housing	71,384	54,446	63,807	124,292	79,236
Econ. devel. & assistance	176,919	159,483	179,127	167,614	152,592
Housing	48,565	58,381	133,010	256,386	85,032
Other	15,179	20,193	10,613	12,388	13,691
Debt service	734,315	760,112	780,756	785,668	855,374
Principal	444,791	444,791	484,274	464,518	464,518
Interest and others	289,524	315,321	296,482	321,150	390,856

Source: Hawaii State Department of Accounting and General Services, *Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2019* (p. 154)
 <<http://ags.hawaii.gov/accounting/annual-financial-reports/>> accessed March 25, 2020, and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 9.20-- STATE GOVERNMENT REVENUES, GOVERNMENTAL FUNDS: 2015 TO 2019

[In thousands of dollars. For fiscal year ending June 30. Table reflects changes in fund balances, governmental funds]

Function	2015	2016	2017	2018	2019
Total revenues	9,737,152	10,309,851	10,516,019	11,316,814	11,744,341
Total taxes	6,109,130	6,450,508	6,610,703	7,189,827	7,787,180
General excise	3,021,418	3,192,469	3,189,599	3,553,975	3,794,585
Net income - corp. & personal	2,047,327	2,157,879	2,286,017	2,456,674	2,718,654
Public service companies	163,481	152,760	122,159	117,641	126,691
Transient accommodations	202,345	233,082	299,712	304,521	356,670
Tobacco and liquor	165,137	161,239	160,906	157,988	151,438
Liquid fuel	88,449	89,702	84,933	85,211	85,146
Insurance companies' premiums	147,767	154,690	166,836	162,318	176,420
Vehicle weight and registration	125,113	130,051	132,974	135,080	136,142
Rental motor/tour vehicle surcharge	51,941	54,873	53,189	54,846	57,994
Franchise	19,930	14,691	11,174	15,712	26,808
Other	76,222	109,072	103,204	145,861	156,632
Non-taxes	3,628,022	3,859,343	3,905,316	4,126,987	3,957,161
Interest and investment (loss) income	16,024	22,564	30,676	36,527	40,141
Charges for current services	384,380	431,181	460,211	477,717	518,531
Intergovernmental	2,803,989	2,995,768	2,938,557	2,878,717	2,783,538
Rentals	31,127	32,371	35,530	35,466	38,031
Fines, forfeitures, and penalties	37,201	35,738	39,203	38,767	37,513
Licenses and fees	42,463	45,738	46,893	47,066	47,965
Revenues from private sources	121,366	126,450	105,857	184,661	122,017
Other	191,472	169,533	248,389	428,066	369,425

Source: Hawaii State Department of Accounting and General Services, *Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2019* (p. 154)
 <<http://ags.hawaii.gov/accounting/annual-financial-reports/>> accessed March 25, 2020, 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	-

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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 bldngs	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/12slstab2a.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 2017**

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
2017	692,790	1,277,890	45,427,737	65,572	35,549

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 December 11, 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 2016 AND 2017

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)
2016					
All returns	2/ 685,270	42,823,217	2/ 530,430	5,578,986	10,518
Under \$1 3/	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
2017					
All returns	2/ 692,790	45,427,737	542,470	6,105,950	11,256
Under \$1 3/	11,690	-890,006	1,700	4,389	2,582
\$1 under \$50,000	385,460	9,013,898	251,530	522,888	2,079
\$50,000 under \$75,000	103,890	6,378,271	99,300	582,614	5,867
\$75,000 under \$100,000	66,690	5,783,169	65,520	598,728	9,138
\$100,000 under \$200,000	97,780	13,197,379	97,170	1,707,808	17,575
\$200,000 under \$500,000	23,140	6,482,113	23,100	1,269,609	54,961
\$500,000 or more	4,150	5,462,913	4,150	1,419,914	342,148

1/ Filed in following year.

2/ Published sum is 10 lower than sum of components.

3/ 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 July 7, 2020; 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 2016 AND 2017**

[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 - 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
Total - 2017	681,010	1,261,390	45,966,266	555,800	30,926,617	229,790	265,312	540,620	6,024,082
1 under 25,000	208,670	268,810	2,549,895	152,810	1,960,171	36,840	17,899	100,840	95,227
25,000 under 50,000	176,750	308,010	6,463,138	154,710	5,416,372	38,900	21,569	150,630	427,446
50,000 under 75,000	103,880	205,370	6,377,611	87,480	4,889,513	38,950	25,514	99,290	582,495
75,000 under 100,000	66,680	153,630	5,782,293	55,670	4,222,955	32,050	25,212	65,500	598,544
100,000 under 200,000	97,830	255,040	13,219,241	82,820	9,237,145	60,920	62,082	97,210	1,712,323
200,000 or more	27,200	70,530	11,574,088	22,310	5,200,461	22,130	113,036	27,150	2,608,047

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-so>> accessed July 8, 2020.

**Table 9.26-- FEDERAL INDIVIDUAL INCOME TAX RETURNS, SELECTED INCOME AND TAX ITEMS,
BY SELECTED ZIP CODES: TAX YEAR 2017**

[Money amounts in thousands of dollars. State total does not include deleted ZIP code totals. ZIP codes were selected on basis of highest tax liability but excludes ZIP Code 99999 which includes those with fewer than 100 returns, a single building or identified as nonresidential]

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	681,010	1,261,390	367,870	45,966,266	555,800	30,926,617	229,790	265,312	540,620	6,024,082
96816	26,300	43,580	10,120	2,303,235	19,970	1,313,710	12,000	21,012	21,820	369,622
96734	23,310	44,460	12,130	2,171,348	18,600	1,368,004	10,090	15,933	19,450	332,037
96821	9,740	17,300	4,080	1,524,514	6,850	718,114	5,830	15,104	8,280	297,598
96822	21,440	33,960	7,140	1,746,708	16,590	1,052,518	9,400	13,423	17,970	274,236
96744	27,570	50,240	13,580	2,090,529	21,980	1,408,808	11,710	9,158	23,020	271,490
96825	15,140	28,240	7,080	1,651,176	11,230	957,428	8,410	12,598	13,040	264,828
96789	26,580	51,930	15,450	2,083,972	22,140	1,513,197	11,910	7,625	22,540	254,077
96813	14,530	23,350	4,970	1,297,136	11,640	806,940	5,930	14,142	12,180	210,186
96817	28,230	49,170	13,480	1,610,404	22,670	1,081,555	8,870	9,347	21,430	209,026
96706	33,140	69,420	24,280	2,064,858	30,090	1,744,382	8,760	3,456	26,220	205,715
96701	21,040	37,030	9,360	1,537,583	16,690	1,020,271	9,210	8,796	17,590	201,509
96797	36,820	70,500	22,270	2,014,615	32,480	1,624,484	10,300	4,848	28,710	200,488
96814	11,410	17,710	3,270	1,032,759	8,780	595,092	4,560	7,642	9,510	189,906
96815	14,750	22,160	3,590	1,094,030	11,400	690,319	5,520	11,262	12,550	163,558
96707	20,490	41,540	13,790	1,420,284	18,380	1,142,428	5,930	3,086	16,700	160,255
96720	23,130	43,260	13,180	1,298,428	18,010	841,922	8,080	7,665	16,930	156,178
96753	13,530	23,080	5,440	1,014,984	10,690	588,819	4,100	8,174	11,260	147,004
96740	14,140	26,100	7,230	994,933	10,940	559,466	4,480	7,732	11,130	140,505
96818	22,200	47,460	16,030	1,331,551	19,560	1,075,026	7,200	4,488	17,500	135,994
96782	18,880	34,330	9,350	1,139,307	14,620	774,122	7,500	5,021	15,340	123,877

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 2017" <<https://www.irs.gov/statistics/soi-tax-stats-individual-income-tax-statistics-zip-code-data-soi>> accessed July 8, 2020.

Table 9.27-- SELECTED CHARACTERISTICS OF INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEAR 2016 AND 2017

Subject	2016		2017	
	Number of returns	Amount (\$1,000)	Number of returns	Amount (\$1,000)
All returns and adj. gross income (AGI) 1/	685,270	42,823,217	692,790	45,427,737
Salaries and wages	553,970	29,705,770	558,130	31,008,568
Taxable interest income	225,840	337,557	233,840	323,343
Ordinary dividends	135,700	845,067	138,910	983,664
Business or prof. net income (less loss)	109,530	1,754,947	111,180	1,812,690
Farm returns	5,540	(NA)	5,480	(NA)
Net capital gain (less loss)	113,220	2,472,336	118,500	2,974,645
Taxable indiv. retire. arrangements distrib.	65,670	1,075,838	68,850	1,199,618
Taxable pensions and annuities	140,020	3,966,931	142,450	4,171,461
Unemployment compensation	21,610	112,834	21,320	129,533
Taxable social security benefits	100,970	1,536,664	105,140	1,647,161
Self-employment (keogh) retirement plans	5,540	124,865	5,540	125,749
Exemptions	1,272,260	(NA)	1,277,890	(NA)
Itemized deductions	205,750	5,461,038	211,830	5,799,689
State and local income taxes	174,370	1,619,987	178,740	1,722,412
State and local general sales tax	24,700	25,950	26,220	29,179
Real estate taxes	157,580	386,375	161,550	428,553
Total taxes paid	204,650	2,071,934	210,700	2,221,524
Home mortgage interest paid	143,840	1,821,701	146,560	1,862,831
Charitable contributions	163,170	670,923	166,540	777,162
Taxable income	547,940	30,065,367	558,870	32,338,370
Total tax credits	211,530	314,937	212,030	315,993
Residential energy tax credit	12,790	44,223	9,440	31,686
Child tax credit	102,030	128,303	101,880	128,443
Child (and dependent) care credit	28,810	15,073	28,570	15,249
Earned income credit	104,330	223,222	100,550	215,515
Excess earned income credit (refundable)	86,740	195,894	82,930	188,103
Alternative minimum tax	15,510	106,174	17,120	115,335
Total tax payments	644,730	6,635,377	650,370	7,070,603
Income tax (before credits)	498,090	5,211,357	511,370	5,687,524
Tax liability	530,430	5,578,986	542,470	6,105,950
Tax due at time of filing	137,220	613,502	146,650	704,882
Overpayments (negative amount)	498,050	1,384,637	495,760	1,334,223

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 2016" <<https://www.irs.gov/pub/irs-soi/16in12hi.xlsx>> accessed April 2, 2019; and Ibid. "Tax Year 2017" <<https://www.irs.gov/pub/irs-soi/17in12hi.xlsx>> accessed July 7, 2020

Table 9.28-- INTERNAL REVENUE SERVICE OPERATIONS: 2015 TO 2019

[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	2015	2016	2017	2018	2019
Total number of returns filed	1,123,626	1,123,282	1,126,627	1,140,767	1,149,680
Individual income tax	682,348	687,716	687,190	693,732	695,628
Estate and trust income tax	14,669	14,374	13,434	14,014	14,170
Partnership tax	12,641	12,883	13,026	13,045	12,115
Corporate income tax 1/	27,661	27,423	26,806	27,238	28,420
Estate tax	213	182	178	211	151
Gift tax	1,168	1,184	1,167	1,226	1,221
Employment taxes	119,688	120,176	119,965	121,682	124,029
Excise taxes	1,341	1,289	1,301	1,316	1,418
Other 2/	263,897	258,055	263,560	268,303	272,528
Total no. of returns filed electronically	660,297	683,631	698,448	721,560	741,769
Individual income tax	548,765	564,772	567,815	579,399	589,001
Estate and trust income tax	9,410	9,784	9,157	9,845	10,164
Partnership tax	7,055	7,930	8,364	8,937	8,304
Corporate income tax 1/	13,030	14,225	14,704	16,113	17,529
Employment taxes	30,947	33,798	38,118	42,013	45,932
Other 3/	51,090	53,122	60,290	65,253	70,839
Total number of refunds issued	541,056	546,574	545,207	547,216	542,738
Business income tax	2,182	1,952	1,931	1,970	1,924
Individual income tax 4/	532,548	538,437	537,273	539,671	535,149
Employment taxes	6,016	5,878	5,743	5,295	5,314
Estate tax	25	(D)	(D)	(D)	(D)
Gift tax	9	(D)	(D)	(D)	(D)
Excise taxes	276	283	229	246	320
Total amount of refunds issued (\$1,000)	1,443,955	1,512,841	1,462,267	1,475,394	1,515,320
Business income tax	110,568	107,204	65,289	60,660	130,854
Individual income tax 4/	1,324,862	1,397,640	1,379,735	1,393,161	1,366,150
Employment taxes	5,917	5,476	9,456	7,188	8,611
Estate tax	2,181	(D)	(D)	(D)	(D)
Gift tax	75	(D)	(D)	(D)	(D)
Excise taxes	351	715	964	12,266	5,311

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 2019, 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 June 30, 2020 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 2017**

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
2017	634,969	37,760,773	31,185,064	2,110,069

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 Individual Income Tax Statistics* (annual) and earlier titles, Table 1 (1980 - 2004) and Table A-1 (2005 and 2012 to 2017) and for 1994 to 2005 and 2012 to 2017 <http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed June 21, 2020.

**Table 9.30-- NONRESIDENT INDIVIDUAL STATE INCOME TAX RETURNS:
TAX YEARS 1980 TO 2005 AND 2012 TO 2017**

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
2017	99,704	1,400,268	2,432,124	158,303

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 Individual Income Tax Statistics* (annual) and earlier titles, <http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed June 21, 2020.

Table 9.31-- SELECTED DATA ON RESIDENT TAX RETURNS WITH AT LEAST ONE AGE EXEMPTION: TAX YEAR 2016 AND 2017

[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
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
2017			
Number of tax returns	147,142	79,560	67,582
Total age exemptions	196,232	105,976	90,256
Total age exemptions cost	224	121	103
Hawaii adjusted gross income (AGI)	6,664	6,837	-173
Standard deductions	159	74	85
Itemized deductions	1,817	1,039	778
Taxable income	5,444	5,444	(X)
Tax liability before credits	377	377	(X)
Tax liability after credits	334	341	-7
Number of taxpayers over 65	142,005	75,342	66,663
Number of taxpayers' spouses over 65	54,227	30,634	23,593

X Not applicable.

Source: Hawaii State Department of Taxation, *Hawaii Individual Income Tax Statistics Tax Year* (annual) table 7 <http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed June 21, 2020 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, AND 2015 TO 2017

[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 reports used 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	2017	Percent change 2016 to 2017
Total	1,376,175	1,422,672	1,451,504	2.0
Salaries and wages	1,157,507	1,143,157	1,181,662	3.4
Ordinary dividends	21,937	26,698	21,234	-20.5
Interests	23,754	22,231	23,639	6.3
Business income	43,049	44,001	45,220	2.8
Rents,partnerships, and estates	197,383	222,494	259,522	16.6
Unemployment compensation	7,119	6,366	6,641	4.3
Pensions and annuities	14,520	15,367	16,773	9.1
Capital gain, supplemental gain, and other	-116,161	-81,855	-131,040	-60.1
All other sources	27,067	24,213	27,852	15.0

Source: Hawaii State Department of Taxation, *Hawaii Individual Income Tax Statistics* (annual) and earlier titles, <http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed June 21, 2020.

Table 9.33-- STATE INCOME TAX RESIDENT RETURNS ON INCOME RECEIVED DURING 2017, 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	634,969	37,760,773	31,185,064	2,110,069
Taxable resident returns	531,861	38,089,138	31,185,064	2,110,069
Under \$5,000	13,845	49,920	15,765	243
\$5,000 under \$10,000	33,675	254,678	130,213	3,112
\$10,000 under \$20,000	69,516	1,039,008	674,682	26,425
\$20,000 under \$30,000	70,491	1,761,098	1,309,322	64,942
\$30,000 under \$40,000	64,230	2,239,710	1,751,926	97,406
\$40,000 under \$50,000	51,741	2,320,183	1,840,431	109,171
\$50,000 under \$75,000	83,013	5,079,581	4,040,070	253,689
\$75,000 under \$100,000	50,551	4,381,584	3,484,246	229,232
\$100,000 under \$150,000	52,479	6,350,304	5,113,405	352,186
\$150,000 under \$200,000	20,695	3,545,629	2,904,326	209,720
\$200,000 under \$300,000	12,297	2,924,795	2,591,081	195,017
\$300,000 and over	9,328	8,142,648	7,329,597	568,926
Nontaxable resident returns	103,108	-328,365	(X)	(X)
Loss	12,848	-769,244	(X)	(X)
Under \$5,000	66,988	74,996	(X)	(X)
\$5,000, under \$10,000	10,906	77,888	(X)	(X)
\$10,000 and over	12,366	287,995	(X)	(X)

X Not applicable.

1/ Includes returns with negative adjusted gross income.

Source: Hawaii State Department of Taxation, *Hawaii Individual Income Tax Statistics, Tax Year 2017* (December 2019), table A-1 <http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/> accessed June 21, 2020.

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: 2017

[In thousands of dollars]

Type of credit	Total	Individuals	Corporations	Financial corporations	Insurance underwriters	Fiduciaries	Exempt organizations
Total	321,016	142,962	131,371	25,219	17,547	3,619	254
Active tax credits							
Promote social welfare							
Refundable food/excise	29,854	29,854	(X)	(X)	(X)	(X)	(X)
Low-income household renters	2,514	2,514	(X)	(X)	(X)	(X)	(X)
Child and dependent care expenses	9,935	9,935	(X)	(X)	(X)	(X)	(X)
Child passenger restraint systems	65	65	(X)	(X)	(X)	(X)	(X)
Employment of vocational rehabilitation referrals	(D)	(D)	(D)	-	-	-	-
Low-income housing	24,056	317	(D)	(D)	9,171	-	-
School repair & maintenance	(D)	(D)	-	-	-	-	-
Lifeline telephone service	43	(X)	(X)	(X)	(X)	(X)	(X)
Encourage certain industries or econ. activities							
Fuel credit for commercial fishers	354	314	(D)	-	-	(D)	-
Motion picture, digital media & film production	61,671	154	61,517	-	-	-	-
Renewable energy technologies 1/	83,143	34,646	39,716	(D)	-	105	(D)
Enterprise zone	856	(D)	(D)	-	-	-	-
Important agricultural lands qualified agricultural cost	(D)	(D)	(D)	-	-	-	-
Research activities	2,507	(D)	2,010	-	-	(D)	-
Capital infrastructure	4,048	(D)	-	-	-	(D)	-
Cesspool upgrade, conversion or connection	143	143	-	-	-	-	-
Renewable Fuels Production Tax Credit	(D)	(D)	-	-	-	-	-
Organic Foods Production Tax Credit	(D)	(D)	(D)	-	-	-	-
Avoid double taxation or pyramiding of taxes							
Capital goods excise	29,335	6,274	19,903	(D)	-	554	(D)
Income tax paid to another state or foreign country	48,595	45,768	(X)	(X)	(X)	2,827	(X)
Expired tax credits							
Promote social welfare							
Individual development account contribution	-	-	-	-	-	-	-
Encourage certain industries or econ. activities							
High technology business investment	17,544	7,470	1,627	-	8,376	(D)	(D)
Energy conservation	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)
Hotel construction & remodeling	(D)	(D)	(D)	-	-	-	-
Technology infrastructure renovation	(D)	(D)	-	-	-	-	-
Residential construction & remodeling	853	(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: 2017* (December 2019), Table A-1, page 29<<http://files.hawaii.gov/tax/stats/stats/credits/2017credit.pdf>> accessed July 8, 2020.

**Table 9.36-- GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS:
2018 AND 2019**

[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	
	2018	2019	2018	2019
All sources	111,630,450	113,810,670	3,426,525	3,602,222
Sources taxed at 4 percent	83,148,813	85,703,237	3,325,953	3,428,129
Retailing	36,356,218	37,459,057	1,454,249	1,498,362
Services	16,663,348	17,341,593	666,534	693,664
Contracting	9,455,622	9,609,276	378,225	384,371
Theater, amusement, radio, etc.	506,574	492,430	20,263	19,697
Interest & all others	3,551,783	3,571,982	142,071	142,879
Commissions	1,389,772	1,375,021	55,591	55,001
Hotel rentals	5,644,187	5,947,395	225,767	237,896
All other rentals	8,458,997	8,786,342	338,360	351,454
Use	1,122,311	1,120,141	44,892	44,806
Sources taxed at other rates 1/	28,481,637	28,107,433	139,828	137,955
Insurance solicitors	737,336	737,881	1,106	1,107
Producing	317,715	307,818	1,589	1,539
Manufacturing	607,793	587,979	3,039	2,940
Wholesaling	18,125,575	18,290,198	90,628	91,451
Services (intermediary)	865,518	1,078,954	4,328	5,395
Use	7,827,699	7,104,603	39,138	35,523
Unallocated net collections	(2/)	(2/)	-39,255	36,138

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, 2019" (Monthly 03-20-20) <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed July 17, 2020.

Table 9.37-- TOBACCO TAX COLLECTIONS: 1994 TO 2019

[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, 2019" issued by the Department of Taxation <<https://files.hawaii.gov/tax/news/pubs/19outline.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
2019	101,529,020	\$0.16 as of July 1, 2011	10,421,007

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 July 10, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 9.38-- LIQUOR TAX COLLECTIONS: 1990 TO 2019

[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, 2019" issued by the Department of Taxation <<http://files.hawaii.gov/tax/news/pubs/19outline.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	2019	52,219

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 July 10, 2020.

**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/eom0409.pdf>> accessed September 1, 2011; and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 9.40-- REAL PROPERTY TAX VALUATIONS: 1986 TO 2020

[In thousands of dollars. For fiscal year ending June 30. Government parcels assessed at \$1, 1986 and 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
2019	375,492,094	(2/)	(2/)	327,431,256
2020	398,492,093	(2/)	(2/)	348,044,060

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 2019-2020" <<https://www.realpropertyhonolulu.com/rpa-report/>> accessed December 11, 2019; and earlier reports; and reports as the Department of Finance.

**Table 9.41-- REAL PROPERTY TAX VALUATION FOR THE STATE,
2017 TO 2020, AND BY COUNTY, 2020**

[In thousands of dollars, unless otherwise noted. For fiscal year ending June 30. Components may not sum due to rounding in source]

Subject	2017	2018	2019	2020
Assessor's gross valuation 1/ 2/ Land	335,175,378 (3/)	352,857,297 (3/)	375,492,094 (3/)	398,492,093 (3/)
Improvement	(3/)	(3/)	(3/)	(3/)
Exemptions 1/	42,524,978	44,360,747	46,162,974	47,946,190
Assessor's net taxable valuation	292,650,400	308,496,548	329,329,120	350,545,903
Half of valuation on appeal	1,859,478	1,561,946	1,897,864	2,501,844
Number of appeals	4,569	3,398	2,508	3,621
Valuation for tax rate purposes	290,790,922	306,934,602	327,431,256	348,044,060
Land	(3/)	(3/)	(3/)	(3/)
Improvement	(3/)	(3/)	(3/)	(3/)
Amount to be raised by taxation	1,737,349	1,888,035	2,029,839	2,230,404
2020, by county	Honolulu	Maui	Hawaii	Kauai
Assessor's gross valuation 1/ 2/ Land	275,377,552 (3/)	58,435,533 24,703,485	40,229,522 15,393,944	24,449,483 (4/)
Improvement	(3/)	33,732,048	24,835,578	(4/)
Exemptions 1/	31,279,485	6,769,197	6,712,919	3,184,588
Assessor's net taxable valuation	244,098,066	51,666,336	33,516,603	21,264,895
Half of valuation on appeal	1,841,643	497,881	73,137	89,182
Number of appeals	1,644	1,360	343	274
Valuation for tax rate purposes	242,256,423	51,168,455	33,443,466	21,175,713
Land	(3/)	23,184,581	14,391,739	(4/)
Improvement	(3/)	27,983,874	19,051,727	(4/)
Amount to be raised by taxation	1,405,753	355,725	324,012	144,911

1/ Beginning in 1993, data exclude nontaxable properties.

2/ 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. Assessed value for 2020 as of January 29, 2019 for Honolulu; February 22, 2019 for Kauai; April 15, 2019 for Hawaii; and April 18, 2019 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 2019-2020", unpublished correction and individual county valuations <<https://www.realpropertyhonolulu.com/rpa-report/>> accessed June 22, 2020; and earlier reports, and reports as the Department of Finance.

Table 9.42-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE: 2019 AND 2020

[For fiscal year ending June 30. Sorted alphabetically for 2020 type of exemptions]

Type of exemption	2019		2020	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
All exemptions, Statewide	269,659	85,488,803	272,514	89,640,436
Alternate energy	8	348,641	8	348,681
Blind	316	9,204	304	8,896
Cemeteries	110	62,519	110	64,262
Charitable organizations	1,619	3,424,117	1,683	3,593,422
Child care center, for-profit	9	24,161	11	27,605
Child care center, non-profit	6	43,318	7	29,493
Childcare	19	950	19	950
Churches	1,562	3,025,811	1,560	3,209,596
Civil - condemnation	25	35,459	25	41,444
Commercial alter. energy - in lieu	-	-	1	976
Commercial alternative energy	5	18,595	3	10,390
Consulates (formerly foreign consulates)	31	46,739	31	48,614
County government	4,013	7,784,907	4,050	8,107,921
Credit unions	122	275,940	137	317,759
Crop shelters	29	2,267	27	2,453
Deaf	2,191	85,241	119	3,544
Enterprise Zone	1	132	1	130
Federal government	652	9,223,181	659	10,140,955
Forest reserve	5	6,577	5	6,578
Government leases - portion	133	65,963	135	72,080
Government leases - total	124	156,250	126	162,225
Hansen's (formerly Leprosy)	3	75	3	75
Hawaiian Homes - 7 year	219	102,881	232	112,156
Hawaiian Homes Commission	1,828	1,258,217	1,771	1,462,524
Hawaiian Homes Land - basic	1,359	252,152	2,028	408,809
Hawaiian Homes Land - multiple	767	165,138	103	16,855
Hawaiian Homes Land - total land	6,467	2,553,317	6,513	2,775,146
Hawaiian Homes Land - vacant land	299	31	292	30
Historic commercial properties	11	29,795	11	30,767
Historic residential properties	380	671,827	384	686,042
Home	-	-	164	13,383
Homes - fee (basic)	163,698	18,219,132	193,907	22,458,334
Homes - fee (multiple)	55,055	7,737,242	27,348	3,942,774
Homes - leasehold (basic)	3,441	384,925	3,609	411,341

Continued on next page.

**Table 9.42-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE:
2019 AND 2020 -- Con.**

Type of exemption	2019		2020	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
Homes - leasehold (multiple)	1,060	167,583	929	149,382
Hospitals	138	1,157,124	141	1,423,370
In lieu of home ex - fee	435	81,100	193	38,600
In lieu of home ex - lease	24	4,480	11	2,200
Income exemption	1,347	155,992	1,328	154,840
Industrial zone 50% exemption	-	-	98	86,112
Kuleana	144	89,782	146	100,070
Landscaping, open-space	25	21,401	24	17,708
Low-moderate income housing	276	2,898,613	304	3,114,435
Military (deployed) exemption	-	-	2	1,314
Miscellaneous	10	6,231	9	4,921
Public utilities	785	1,553,724	783	1,611,516
Remnant	-	-	12	5
Roadways and waterways	7,241	47,730	7,258	49,061
Safe room	63	2,520	64	2,560
Schools	231	1,546,253	228	1,609,119
Setbacks	1	511	1	572
Slaughterhouse	1	2,473	1	2,579
State government	8,259	20,134,610	8,375	20,858,961
Taro	42	72	43	157
Totally disabled	2,586	72,348	4,480	149,254
Totally disabled veterans	2,467	1,499,000	2,680	1,714,607
Tree farm	17	32,554	17	32,421
Veteran combat zone	-	-	1	463

1/ Includes government parcels at actual value and exemptions on federal leases, if any.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, Real Property Tax Valuations, Tax Rates & Exemptions by Tax Year "State of Hawaii - Number & Amount of Exemptions by Type & County" (annual)
<<https://www.realpropertyhonolulu.com/rpa-report/>> accessed June 22, 2020.

Table 9.43-- REAL PROPERTY TAX VALUATION, BY LAND USE CLASS: 2020

[In thousands of dollars. For fiscal year ending June 30. Assessed value for 2020 as of January 29, 2019 for Honolulu; February 22, 2019 for Kauai; April 15, 2019 for Hawaii; and April 18, 2019 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	398,492,093	350,545,903	348,044,060	2,230,404
Affordable rental 2/	294,848	294,181	294,088	1,809
Residential	217,074,718	191,302,715	191,009,282	780,919
Residential A 3/	23,920,946	22,997,941	22,944,887	159,420
Tier 1	(X)	(X)	13,583,421	61,125
Tier 2	(X)	(X)	9,361,466	98,295
Apartment 2/ 4/	11,592,695	11,323,603	11,291,987	97,062
Commercial	32,230,035	28,074,259	27,370,534	317,241
Industrial	17,167,206	15,931,070	15,318,531	176,088
Agricultural/native forest	12,742,902	11,575,870	11,484,399	85,988
Vacant agricultural 3/	46,152	46,152	46,152	392
Conservation/preservation	1,696,059	1,534,637	1,444,031	10,704
Hotel and resort	24,414,279	24,296,004	23,828,755	311,907
Homeowner 2/ 4/	30,158,423	19,824,903	19,808,715	83,303
Homestead 5/	7,009,580	4,818,821	4,817,628	14,694
Public service 3/	1,084,391	7,008	7,008	-
Commercialized residential 4/	207,502	207,502	207,502	955
Vacation rental 5/	3,464,728	3,455,979	3,448,892	33,972
Time share 4/	2,529,761	2,529,761	2,441,153	35,153
Residential investor 5/	1,809,595	1,680,282	1,664,486	13,399
Commercialized home use 5/	1,582,699	1,179,841	1,179,781	5,958
Short term rental 4/	9,465,574	9,465,374	9,436,249	101,440

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 2019-2020", unpublished correction, and individual county valuations <<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed June 22, 2020; 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 2018**

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
2018	1.38	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 until 2012); 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 8, 2020.

Table 9.46-- REAL PROPERTY TAX RATES, BY COUNTY: 2020

[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/ Preservation	5.70	6.75
Conservation	5.70	(X)
Hotel and resort	(X)	6.75
Public service	13.90	10.85
Vacant agricultural	0.00	(X)
Homestead	8.50	(X)
Residential A Tier 1 (1st \$M value)	(X)	3.05
Tier 2 (in excess of \$1M)	4.50	(X)
Residential investor	10.50	(X)
Commercialized home use	(X)	8.05
	(X)	5.05
Class	Maui	Hawaii
Building and land		
Residential	5.60	11.10
Apartment	6.31	11.70
Commercial	7.39	10.70
Industrial	7.48	10.70
Agricultural 2/ Conservation	5.94	9.35
Hotel and resort	6.43	11.55
Homeowner	11.00	11.55
Time share	2.90	6.15
Commercialized residential	14.40	(X)
Affordable rental housing	4.60	(X)
Short term rental	(X)	6.15
	10.75	(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, 2019 to June 30, 2020"

<<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed June 22, 2020.

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. Census Bureau, *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.fpdsg.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 TO 2019**

[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	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
2019	1	Hensel Phelps Construction Co.	147.89
	2	BAE Systems Hawaii Shipyards Inc.	103.49
	3	Kiewit Infrastructure West Co.	84.36
	4	Hawaiian Dredging Construction Company, Inc.	77.53
	5	Matson Navigation Company, Inc.	70.55

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; "State Profile: Contracts" FY 2018 accessed July 13, 2019; and FY 2019 accessed July 27, 2020.

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. Census Bureau. 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

Continued on next page.

**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 2017

[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 3/	14,233.9	8,426.6	5,807.3	(NA)	(NA)	(NA)	(NA)
2015 3/	14,796.6	8,757.7	6,038.9	(NA)	(NA)	(NA)	(NA)
2016 3/	15,357.4	9,216.6	6,140.8	(NA)	(NA)	(NA)	(NA)
2017	15,999.4	9,656.3	6,343.1	(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.

3/ 'State and local' and 'Local' revised from previous *Data Book*.

Source: Tax Foundation of Hawaii, *Government in Hawaii*, table 52 (annual) and Tax Foundation of Hawaii unpublished compilations of Hawaii State Department of Accounting and General Services, *Annual Report of the Comptroller* (annual) and of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports); and U.S. Census Bureau "State and Local Government Finances by Level of Government and by State" (annual)

<<https://www.census.gov/data/datasets.html>> accessed July 3, 2020.

Table 9.60-- STATE GENERAL OBLIGATION BOND DEBT: 1990 TO 2019

[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)
2019	(NA)	7,914,382	(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 March 25, 2020.

Table 9.61-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2019

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	125,600	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	125,500	33,400	73,200	19,000	21,699	75,152
2018 6/	125,600	33,700	73,000	18,900	21,594	75,520
2019 6/	126,300	34,300	72,900	19,100	20,116	75,704

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Table 9.61-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2019 -- Con.

NA Not available.

1/ Data are annual averages and rounded to nearest 100 for 1990-2000 and 2010-2019, 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 2020. Total' for 2012, 'Federal' and 'Territory or State' for 2018 revised from previous *Data Book*.

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 1990-2019 "Job Count by Industry" <<https://www.hiwi.org/gsipub/index.asp?docid=421>> accessed July 8, 2020; 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 July 8, 2020 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 8, 2020; 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 2019**

[In number of jobs and thousands of dollars. Beginning with the release of the 2019 Annual Survey of Public Employment and Payroll, 'Part-Time Hours' are no longer included in the content that is collected and published]

Government function	Employment				Payroll		
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees
Total	88,109	67,412	20,697	73,351	389,893	364,839	25,054
Financial administration	1,872	1,828	44	1,839	8,973	8,938	35
Other government administration	2,508	2,117	391	2,192	11,612	11,371	241
Judicial and legal	3,401	3,306	95	3,341	18,793	18,375	418
Police protection	3,988	3,870	118	3,891	27,741	27,685	56
Persons with powers of arrest	3,001	2,970	31	2,975	23,509	23,491	18
Other	987	900	87	916	4,232	4,194	37
Fire protection	2,112	2,090	22	2,106	15,480	15,413	67
Firefighters	1,866	1,853	13	1,863	14,521	14,475	47
Other	246	237	9	243	958	938	20
Corrections	2,375	2,365	10	2,369	13,607	13,563	44
Highways	1,675	1,656	19	1,661	8,245	8,232	13
Air transportation	1,056	1,046	10	1,051	5,344	5,329	15
Water transport and terminals	205	205	-	205	1,012	1,012	-
Public welfare	668	529	139	567	2,693	2,585	108
Health	2,426	2,366	60	2,392	13,392	13,226	165
Hospitals	3,458	2,796	662	3,118	21,253	17,146	4,108
Social insurance administration	176	163	13	169	849	818	31
Solid waste management	660	658	2	659	3,922	3,922	1
Sewerage	812	808	4	808	4,424	4,422	2
Parks and recreation	4,199	2,069	2,130	2,316	8,615	7,915	700

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**Table 9.63-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:
MARCH 2019 -- Con.**

Government function	Employment				Payroll		
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees
Housing and community dev't	319	310	9	313	1,295	1,290	5
Natural resources	1,186	1,104	82	1,141	5,687	5,528	159
Water supply	1,032	1,032	-	1,032	5,675	5,675	-
Transit	268	238	30	258	1,264	1,206	58
Education total	48,073	31,513	16,560	36,458	184,108	165,588	18,520
Elem. & secondary educ. total	34,797	22,906	11,891	26,722	121,810	110,539	11,271
Elem. & sec. instructional	28,182	17,454	10,728	20,949	101,172	90,410	10,763
Elem. & sec other	6,615	5,452	1,163	5,773	20,638	20,129	509
Higher education total	13,146	8,478	4,668	9,606	61,700	54,455	7,245
Higher educ. instructional	4,192	3,209	983	3,451	29,890	26,689	3,201
Higher ed other	8,954	5,269	3,685	6,155	31,810	27,766	4,044
Other education	130	129	1	130	598	595	3
Libraries	696	475	221	566	2,049	1,854	196
All other and unallocable	4,944	4,868	76	4,899	23,861	23,748	114

Source: U.S. Census Bureau, 2019 Annual Survey of Public Employment and Payroll "State and Local Government Employment and Payroll Data by State and Function: March 2019" (June 30, 2020) <<https://www.census.gov/data/datasets/2019/econ/apes/annual-apes.html>> accessed June 30, 2020.

Table 9.64-- STATE GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2019

[In number of jobs and thousands of dollars. Data are preliminary. Beginning with the release of the 2019 Annual Survey of Public Employment and Payroll, 'Part-Time Hours' are no longer included in the content that is collected and published]

Government function	Employment				Payroll		
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees
Total	69,305	51,031	18,274	56,571	292,786	269,023	23,763
Financial administration	752	740	12	745	3,579	3,567	11
Other government admin.	987	897	90	947	4,512	4,393	120
Judicial and legal	2,705	2,634	71	2,656	14,684	14,315	369
Corrections	2,375	2,365	10	2,369	13,607	13,563	44
Highways	786	781	5	783	4,296	4,290	6
Air transportation	1,056	1,046	10	1,051	5,344	5,329	15
Water transport & terminals	205	205	-	205	1,012	1,012	-
Public welfare	423	406	17	413	2,008	1,996	12
Health	2,045	2,017	28	2,031	11,280	11,175	105
Hospitals	3,458	2,796	662	3,118	21,253	17,146	4,108
Social insurance admin.	176	163	13	169	849	818	31
Parks and recreation	651	144	507	181	733	623	109
Natural resources	903	895	8	900	4,579	4,556	23
Education total	48,073	31,513	16,560	36,458	184,108	165,588	18,520
Elem. & sec. total	34,797	22,906	11,891	26,722	121,810	110,539	11,271
Elem & sec instruct.	28,182	17,454	10,728	20,949	101,172	90,410	10,763
Elem & sec other	6,615	5,452	1,163	5,773	20,638	20,129	509
Higher educ. total	13,146	8,478	4,668	9,606	61,700	54,455	7,245
Higher educ. Instruct.	4,192	3,209	983	3,451	29,890	26,689	3,201
Higher educ. other	8,954	5,269	3,685	6,155	31,810	27,766	4,044
Other	130	129	1	130	598	595	3
Libraries	692	471	221	562	2,038	1,842	196
All other and unallocable	4,018	3,958	60	3,983	18,904	18,809	95

Source: U.S. Census Bureau, 2019 Annual Survey of Public Employment and Payroll "State Government Employment and Payroll Data by State and Function: March 2019" (June 30, 2020) <<https://www.census.gov/data/tables/2018/econ/apes/annual-apes.html>> accessed June 21, 2019.

Table 9.65-- LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2019

[In number of jobs and thousands of dollars. Data are preliminary. Beginning with the release of the 2019 Annual Survey of Public Employment and Payroll, 'Part-Time Hours' are no longer included in the content that is collected and published]

Government function	Employment				Payroll		
	Total	Full-time	Part-time	Full-time equivalent	Total March	Full-time employees	Part-time employees
Total	18,804	16,381	2,423	16,780	97,107	95,816	1,290
Financial administration	1,120	1,088	32	1,094	5,394	5,371	23
Other government administration	1,521	1,220	301	1,245	7,099	6,978	121
Judicial and legal	696	672	24	685	4,109	4,060	49
Police protection	3,988	3,870	118	3,891	27,741	27,685	56
Persons with power of arrest	3,001	2,970	31	2,975	23,509	23,491	18
Other police protection	987	900	87	916	4,232	4,194	37
Fire protection total	2,112	2,090	22	2,106	15,480	15,413	67
Firefighters	1,866	1,853	13	1,863	14,521	14,475	47
Other fire protection	246	237	9	243	958	938	20
Highways	889	875	14	878	3,949	3,941	8
Public welfare	245	123	122	154	686	589	96
Health	381	349	32	361	2,111	2,051	60
Solid waste management	660	658	2	659	3,922	3,922	1
Sewerage	812	808	4	808	4,424	4,422	2
Parks and recreation	3,548	1,925	1,623	2,135	7,882	7,292	590
Housing & community dev't	319	310	9	313	1,295	1,290	5
Natural resources	283	209	74	241	1,108	972	136
Water supply	1,032	1,032	-	1,032	5,675	5,675	-
Transit	268	238	30	258	1,264	1,206	58
Libraries	4	4	-	4	11	11	-
All other and unallocable	926	910	16	916	4,957	4,938	19

Source: U.S. Census Bureau, 2019 Annual Survey of Public Employment and Payroll "Local Government Employment and Payroll Data by State and Function: March 2019" (June 30, 2020) <<https://www.census.gov/data/tables/2019/econ/apes/annual-apes.html>> accessed June 30, 2020.

Table 9.66-- PUBLIC EMPLOYEES INCLUDED IN COLLECTIVE BARGAINING UNITS: 2018

[As of December 31]

BU 1/	Job category	Total	State of Hawaii	City & County of Honolulu	County of Hawaii	County of Maui	County of Kauai	Dept. of Educ.	Judiciary	University of Hawaii	HHSC 1/
	Total	59,727	12,676	8,107	2,319	2,142	1,076	22,240	1,539	7,271	2,357
1	Blue-collar nonsupervisors	8,435	1,859	1,883	567	597	387	2,207	102	514	319
2	Blue-collar supervisors	769	166	217	50	43	14	250	1	12	16
3	White-collar nonsupervisors	12,445	3,407	1,453	576	508	207	4,518	757	640	379
4	White-collar supervisors	809	225	133	38	28	15	266	56	34	14
5	Teachers & other personnel 2/	13,028	-	-	-	-	-	13,028	-	-	-
6	Educational officers 3/	935	-	-	-	-	-	935	-	-	-
7	Faculty of the University of Hawaii and the community college system	3,673	-	-	-	-	-	-	-	3,673	-
8	Personnel of the University of Hawaii and the community college system, other than faculty	2,388	-	-	-	-	-	-	-	2,388	-
9	Registered prof. nurses	1,188	406	-	-	-	-	2	4	8	768
10	Institutional, health and correctional workers	2,500	1,576	239	-	-	-	34	60	2	589
11	Firefighters	1,922	168	1,008	329	283	134	-	-	-	-
12	Police officers	2,769	-	1,902	414	319	134	-	-	-	-
13	Prof. & scientific employees 4/	8,115	4,459	1,089	295	306	135	1,000	559	-	272
14	State law enforcement officers & state & county ocean safety & water safety officers	751	410	183	50	58	50	-	-	-	-

1/ Acronyms: BU = Bargaining Unit and HHFDC = Hawaii Health Systems Corporation.

2/ Includes teachers and other personnel of the Department of Education under same salary schedule and part-time employees working less than 20 hours a week who are equal to one-half of a full-time equivalent.

3/ Also includes other Department of Education personnel under same salary schedule.

4/ Professional & scientific employees, who cannot be included in any other bargaining units.

Source: State of Hawaii Labor Relations Board, *HLRB Informational Bulletin No. 57*, (March 15, 2019). See also Labor Relations Board website <<http://labor.hawaii.gov/hlrb/find-a-report/>> accessed January 22, 2020.

**Table 9.67-- 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, 2008 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.

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 2019**

[As of September 30. Personnel who are permanently assigned for duty in Hawaii, as personnel who are 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
2019	42,020	40,760	15,346	13,558	6,453	5,403	1,260
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	(2/)	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
2019	9,637	9,521	5,415	691	311	3,104	116

1/ All services have reserve units and the Army and the Air Force also have National Guard units.

2/ Total not available as Coast Guard shows '0' in Source for all 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 21, 2020 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.05-- FEDERAL GOVERNMENT MILITARY AND CIVILIAN PERSONNEL: 1969 TO 2018

[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	83,670	52,919	30,751
1978	96,891	66,416	30,475	2003	84,515	52,791	31,724
1979	95,902	65,104	30,798	2004	85,343	53,758	31,585
1980	97,046	66,457	30,589	2005	84,350	53,019	31,331
1981	93,829	62,944	30,885	2006	86,185	54,363	31,822
1982	94,451	62,628	31,823	2007	86,288	54,515	31,773
1983	98,270	65,863	32,407	2008	88,301	56,047	32,254
1984	101,126	68,406	32,720	2009	89,038	55,663	33,375
1985	102,322	68,904	33,418	2010	91,112	56,237	34,875
1986	100,922	67,691	33,231	2011	92,010	57,087	34,923
1987	102,338	69,062	33,276	2012	92,406	57,456	34,950
1988	102,001	68,813	33,188	2013	91,279	57,357	33,922
1989	101,759	68,470	33,289	2014 2/	90,265	57,147	33,118
1990	100,945	67,225	33,720	2015 2/	91,267	58,193	33,074
1991	100,557	67,484	33,073	2016 2/	89,729	56,505	33,224
1992	98,516	65,717	32,799	2017 2/	88,520	55,102	33,418
1993	94,628	63,070	31,558	2018	88,951	55,217	33,734

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 2019) <<https://www.bea.gov/system/files/2019-10/SPI2018.pdf>>.

2/ 2014 to 2017 'Total' and 'Civilian', and 2017 '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 24, 2019) <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed January 24, 2020, 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: 2018**

[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	1,772	1,099	432	178	45	18
Hawaii	5,554	1,622	3,428	379	80	45
Hawaii as % of U.S. average	313.5	147.6	793.5	212.9	177.8	250.0
Alabama	3,607	2,491	660	343	82	32
Alaska	5,358	2,466	2,279	388	159	66
Arizona	2,420	1,845	282	223	56	15
Arkansas	703	208	219	203	54	19
California	1,614	1,077	386	110	29	13
Colorado	2,123	1,111	610	293	85	25
Connecticut	4,560	4,248	192	70	23	27
Delaware	885	134	420	236	65	30
Dist. of Columbia	10,779	7,257	3,296	116	12	98
Florida	1,494	796	339	281	70	7
Georgia	1,643	694	609	249	80	11
Hawaii	5,554	1,622	3,428	379	80	45
Idaho	661	123	233	215	53	38
Illinois	889	620	172	72	19	7
Indiana	819	498	192	84	27	18
Iowa	868	622	110	92	22	22
Kansas	1,347	363	693	206	70	14
Kentucky	2,676	1,829	630	159	51	9
Louisiana	833	275	352	142	50	13
Maine	1,692	897	524	216	25	29
Maryland	4,604	2,955	1,218	280	47	103
Massachusetts	2,216	1,943	154	62	12	45
Michigan	646	417	121	65	17	25
Minnesota	756	545	97	73	18	24
Mississippi	3,087	2,215	565	221	58	28
Missouri	2,685	2,227	250	151	45	13
Montana	820	185	327	225	55	27
Nebraska	1,080	330	462	209	63	17
Nevada	1,358	675	351	270	55	8
New Hampshire	2,229	1,814	179	194	21	22
New Jersey	915	649	196	49	15	7
New Mexico	2,328	1,317	639	284	65	24

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: 2018 -- Con.

Area	Total 1/	Contracts	Salaries and wages	Retirement benefits	Nonretirement benefits	Grants
New York	597	394	136	42	10	15
North Carolina	1,409	384	666	265	79	15
North Dakota	1,282	204	827	162	65	23
Ohio	957	550	270	99	23	16
Oklahoma	1,985	896	763	229	74	22
Oregon	565	287	115	124	20	19
Pennsylvania	1,399	1,048	211	97	20	22
Rhode Island	1,583	628	755	138	26	36
South Carolina	1,649	727	503	320	88	10
South Dakota	1,059	300	416	243	70	30
Tennessee	728	294	145	214	58	17
Texas	2,051	1,394	381	211	55	10
Utah	1,501	754	533	145	46	23
Vermont	1,226	815	215	140	23	34
Virginia	7,455	4,499	2,117	673	135	30
Washington	2,504	1,289	859	279	58	19
West Virginia	632	256	182	138	33	23
Wisconsin	791	582	90	83	19	17
Wyoming	1,178	267	551	246	72	42

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, "Spending on Contracts Drives Growth in Federal Defense Dollars to States" (July 20, 2020) <<https://www.pewtrusts.org/en/research-and-analysis/articles/2020/07/20/spending-on-contracts-drives-growth-in-federal-defense-dollars-to-states>> accessed July 20, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.09-- DEPARTMENT OF DEFENSE CONTRACT AWARDS, 2011
TO 2018, AND SUMMARY OF SPENDING AND PERSONNEL: 2018**

[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 1/	2.3 B.	2.1 B.	34.8 M.	88.2 M.	73.5 M.
Total defense personnel spending 1/	4.9 B.	4.3 B.	20.8 M.	11.0 M.	22.4 M.
Total defense personnel 1/	70,574	62,763	606	(D)	345
Active duty	(NA)	35,121	12	19	85
Civilian	(NA)	19,125	166	63	157
National Guard	(NA)	4,647	343	174	71
Reserve	(NA)	3,870	85	(D)	32
Value of contract awards performed (\$B) and personnel	Total	Army	Navy & Marines	Air Force	Other defense
2011	2.8	(NA)	(NA)	(NA)	(NA)
2012	2.3	(NA)	(NA)	(NA)	(NA)
2013	1.7	(NA)	(NA)	(NA)	(NA)
2014	1.8	(NA)	(NA)	(NA)	(NA)
2015	2.2	(NA)	(NA)	(NA)	(NA)
2016	1.8	(NA)	(NA)	(NA)	(NA)
2017	2.0	(NA)	(NA)	(NA)	(NA)
2018	2.3	(NA)	(NA)	(NA)	(NA)
Contract awards (percent of total)	100	36	47	8	9
Personnel (percent of total)	100	38	46	14	2
Personnel or spending	Total	Active duty	Civilian	National Guard	Reserve
Total personnel	70,574	(NA)	(NA)	(NA)	(NA)
Percent	100	59	28	7	6
Contracts (in percent)	100	(NA)	(NA)	(NA)	(NA)
Supply & equipment (in percent)	7	(NA)	(NA)	(NA)	(NA)
Research & dev. (in percent)	6	(NA)	(NA)	(NA)	(NA)
Service (in percent)	69	(NA)	(NA)	(NA)	(NA)
Construction (in percent)	18	(NA)	(NA)	(NA)	(NA)
Contractors receiving largest value of prime contract awards (\$ million)					
Contractor name	Amount	Contractor name		Amount	
BAE Systems	158.0	AECOM		53.2	
Hansel Phelps Construction	152.4	Allied Pacific Builders		45.9	
Goodfellow Bros. Inc.	63.1	Syncon		44.3	
Harris Corp.	61.0	PCL Employees Holdings Ltd		41.5	
Matson	55.7	Booz Allen Hamilton		27.5	

D Counts of fewer than ten are not disclosed to protect individuals' personally identifiable information.

NA Not available.

1/ 'Total' includes personnel and spending not identified by county or by component.

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State, FY 2018" <<https://www.oea.gov/dsbs-fy2018>> accessed February 21, 2020.

Table 10.10-- DEPARTMENT OF DEFENSE SUMMARY OF SPENDING AND PERSONNEL: 2017 AND 2018

[In number, percent, dollars, and thousands of dollars as indicated. For fiscal year ending September 30. Rank of 1 indicates highest value or percentage and is determined on unrounded data]

Category	2017		2018	
	Value	Rank	Value	Rank
Spending total	6,721,893	22	7,174,118	23
As percent of total defense spending	1.5	22	1.4	23
As percent of Gross Domestic Product	7.5	2	7.7	2
Spending per resident (dollars)	4,720	3	5,050	3
Contract spending (\$1,000)	2,037,907	31	2,303,958	32
Total personnel	64,363	10	70,574	9
Payroll	4,684,033	9	4,870,160	9
Civilian	1,630,996	12	1,685,802	11
Military active duty	2,790,266	7	2,887,532	8
National guard and reserve	262,770	31	296,826	29

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State, FY 2018" and report data <<https://www.oea.gov/dsbs-fy2018>> accessed February 21, 2020; and calculations by the Hawaii State Department of Economic Development & Tourism.

**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: 2020 AND 2021

[For fiscal year ending September 30. Total Obligation Authority amount in thousands of dollars]

Year, branch and location	Facility category title	Construction project title	Amount
2020			315,540
Army Fort Shafter	Airfield operational buildings	Command and control facility, increment 5	60,000 60,000
Navy Kaneohe Bay	Enlisted personnel unaccompanied personnel housing	Bachelor enlisted quarters	187,840 134,050
West Loch	Depot & arsenal ammunition storage	Magazine consolidation, phase 1	53,790
Southern Command JBPH-H 1/	Training buildings	SOF Undersea Operational Training Facility	67,700 67,700
2021 2/			203,900
Army Wheeler Army Air Field	Aircraft Maintenance Facilities	Aircraft Maintenance Hangar	89,000 89,000
Navy JBPH-H 1/	Piers and Wharfs	Waterfront Improvements Wharves S8-S10	114,900 65,910
JBPH-H 1/	Piers and Wharfs	Waterfront Improve, Wharves S1,S11-13,S20-21	48,990

1/ Joint Base Pearl Harbor- Hickam.

2/ The U.S. Senate and U.S. House Appropriations committees added funds, \$110 million vs \$97 million for construction of 2 child development centers that are not reflected in the budget above. See news releases of Senator Mazie Hirono (June 11, 2020) and Representative Ed Case (July 9, 2020) respectively for additional information.

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 and FY2021

<https://comptroller.defense.gov/Portals/45/Documents/defbudget/fy2021/fy2021_c1.pdf> accessed February 10, 2020.

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: 1995 TO 2019**

[As of September 30]

Year	All services	Army	Navy and Marine Corps			Air Force	Other defense activities
			Total	Navy	Marine Corps		
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
2019 2/	19,591	5,177	11,738	11,088	650	1,424	1,252

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 21, 2020.

Table 10.15 -- IMPACT OF A \$1 BILLION MILITARY EXPENDITURE: 2019

[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	10,255
Federal government	820.0	670.1	5,574
Real estate and rentals	158.9	14.2	343
Other manufacturing	119.1	7.9	108
Health services	92.9	47.1	698
Mining and construction	62.2	25.2	257
Retail trade	57.1	19.8	489
Professional services	50.9	26.9	338
Business services	47.5	28.0	624
Wholesale trade	43.7	10.6	119
Finance and insurance	43.4	11.7	205
Other services	34.1	16.5	351
Utilities	32.7	4.4	27
Eating and drinking	28.7	10.6	335
Information	24.3	6.7	77
Transportation	22.8	7.2	117
State and local government	17.6	12.2	146
Food processing	11.8	2.2	51
Accommodation	11.7	3.7	52
Educational services	10.9	6.9	147
Agriculture	6.9	2.3	96
Arts and entertainment	5.4	2.3	100

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 6, 2020.

Table 10.16-- FEDERAL EXPENDITURES FOR 2015, AND FEDERAL FUNDS OBLIGATED FOR 2019 FOR ARMY AND AIR NATIONAL GUARD

[In dollars. For fiscal year ending September 30]

Category	Army National Guard	Air National Guard
2015 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 reparables	-	176,136
Aviation fuel	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
2019 Federal funds obligated	96,273,700	162,424,537

Source: Hawaii Department of Defense, *Annual Report Fiscal Year 2015* and *Ibid. Fiscal Year 2019* <<http://dod.hawaii.gov/department-info/annual-reports/>> accessed August 9, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 10.17-- ARMY AND AIR NATIONAL GUARD STRENGTH: 1993 TO 2019

[Strength as of September 30 for 1993 through 2002 and June 30 for 2003 and beyond, unless otherwise indicated. No reports are posted for FY 2016 through FY 2018]

Year	Actual strength			Authorized strength		
	Total	Army National Guard	Air National Guard	Total	Army National Guard	Air National Guard
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		
2019	5,416		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, and 2019) <<http://dod.hawaii.gov/departments-info/annual-reports/>> accessed July 29, 2020; and records.

**Table 10.18-- CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT,
DEPARTMENT OF DEFENSE, AND PEARL HARBOR NAVAL SHIPYARD:
ANNUAL AVERAGE, 1990 TO 2019**

[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	33,400	(2/)	(2/)
2003	31,650	16,650	4,750	2018 3/	33,700	(2/)	(2/)
2004	31,450	16,600	4,250	2019 3/	34,300	(2/)	(2/)

1/ New series in 2001. NAICS series data are not available previously.

2/ Series discontinued.

3/ 2018 and 2019 data were benchmarked by Hawaii Department of Labor and Industrial Relations in March 2020 and 2019 revised from previous *Data Book*.

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" <<https://www.hirenethawaii.com/gsipub/index.asp?docid=727>> accessed June 28, 2020.

Table 10.19-- SELECTIVE SERVICE REGISTRATION FOR HAWAII AND THE UNITED STATES: 2014 TO 2018

[Calendar year data unless otherwise noted. FY 2014 report shows fiscal year data ending September 30, 2014; and FY 2017 report shows calendar and fiscal year data ending September 30]

Subject	Registrants 1/	
	Hawaii	United States 2/
Fiscal year 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
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
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
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
Calendar and fiscal year 2017		
On-time registration eligible men CY 2017, 18 years old, born 1998	5,816	1,537,754
Entire registrant group FY 2017, 18 - 25 years old, born 1992-1998	66,500	16,694,295
2018		
On-time registration eligible men CY 2018, 18 years old, born 2000	5,571	1,455,016
Entire registrant group CY 2018, 18 - 25 years old, born 1993-2000	65,297	16,417,042

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 July 4, 2020, 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/procstat.html> accessed February 26, 2008; and *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010.

**Table 10.22-- DEPARTMENT OF DEFENSE PRIME CONTRACTS, BY BRANCH:
1981 TO 2009**

[In thousands of dollars. For fiscal year ending September 30. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. Prior to FY 2001, \$25,000 was the reporting minimum, between FY 2001 and FY 2004 reporting contracts less than \$25,000 was optional, and beginning with FY 2005, all contact actions were included]

Year	Total	Army 1/	Navy & Marine Corps	Air Force	Other defense activities 2/
1981	575,776	150,902	137,565	28,328	258,981
1982	500,609	80,661	103,827	35,279	280,842
1983	638,975	117,573	187,355	36,806	297,241
1984	536,735	185,074	158,068	52,719	140,874
1985	626,153	255,236	152,782	59,939	158,196
1986	562,843	147,587	160,701	46,484	208,071
1987	461,449	147,561	230,473	61,466	21,949
1988	540,991	156,631	190,418	99,405	94,537
1989	578,733	193,210	258,693	75,489	51,341
1990	511,893	119,568	195,380	83,827	113,118
1991	697,127	218,607	250,164	158,866	69,490
1992	622,728	173,655	282,644	76,366	90,063
1993	631,021	244,275	237,579	59,948	89,219
1994	803,297	263,183	425,998	68,291	45,825
1995	673,640	227,674	308,584	84,201	53,181
1996	928,480	223,284	519,813	106,939	78,444
1997	957,353	248,629	533,037	93,845	81,841
1998	889,607	234,446	456,876	99,963	98,322
1999	984,848	231,622	569,599	92,311	91,316
2000	1,159,581	243,813	618,071	168,588	129,109
2001	1,307,383	384,619	675,946	93,020	153,798
2002	1,433,119	347,108	771,034	156,322	158,655
2003	1,807,959	395,465	713,601	253,198	445,695
2004	1,713,892	529,634	584,625	223,409	376,223
2005	1,990,796	521,085	556,978	380,830	531,903
2006	1,963,465	602,972	537,112	344,093	479,288
2007	2,158,036	661,531	922,289	297,619	276,597
2008	2,258,586	702,832	900,966	301,654	353,134
2009	2,377,271	789,207	991,132	269,204	327,728

1/ Includes U.S. Army Corps of Engineers.

2/ Includes Defense Logistics Agency (DLA) and other defense agencies (ODA).

Source: U.S. Department of Defense, Defense Management Data Center, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas* (annual)

<<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010.

**Table 10.23-- DEPARTMENT OF DEFENSE PRIME CONTRACT AWARDS,
BY COUNTY, BY DEFENSE COMPONENT: 2007 TO 2009**

[In thousands of dollars. For fiscal year ending September 30. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted]

Procurement program	State	Hawaii	Honolulu	Kauai	Maui
2007 1/	2,134,466	40,933	1,924,256	154,713	14,564
Army	638,504	18,294	590,210	27,206	2,795
Navy 2/	915,265	22,184	785,137	107,648	295
Air Force	296,924	10	287,565	176	9,174
Defense Logistics Agency	159,383	130	159,248	-	6
Civil functions: Corps of Eng.	22,686	283	2,383	18,772	1,248
Other defense agencies	101,705	32	99,714	912	1,047
2008 1/	2,258,586	(NA)	(NA)	(NA)	(NA)
Army	702,832	(NA)	(NA)	(NA)	(NA)
Navy 2/	900,966	(NA)	(NA)	(NA)	(NA)
Air Force	301,651	(NA)	(NA)	(NA)	(NA)
Civil functions: Corps of Eng. 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Other defense activities 4/	353,134	(NA)	(NA)	(NA)	(NA)
2009 1/	2,377,271	(NA)	(NA)	(NA)	(NA)
Army	789,207	(NA)	(NA)	(NA)	(NA)
Navy 2/	991,132	(NA)	(NA)	(NA)	(NA)
Air Force	269,204	(NA)	(NA)	(NA)	(NA)
Civil functions: Corps of Eng. 3/	(NA)	(NA)	(NA)	(NA)	(NA)
Other defense activities 4/	327,728	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ The 2008 and 2009 estimates are preliminary in that the source does not show procurement by county. The 2 procurement web sites below are no longer the home for the collection, correction, and reporting of DoD procurement information. The data on those sites are static data and reflect how the data were originally collected through FY2006. All the data contained on those sites were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov <<http://www.usaspending.gov>> also contains current DoD procurement data. *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/procstat.html> accessed February 26, 2008; and *Atlas/Data Abstract for the United States and Selected Areas, Fiscal Year* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010.

Table 10.24-- MILITARY SUBCONTRACTING PROGRAM: 2004 TO 2007

[In thousands of dollars and percent. Fiscal year ending September 30. Public Law 95-507, as amended, requires large business firms that have received at least one contract over \$500,000, or \$1,000,000 for construction, to establish a subcontracting program]

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/procstat.html> accessed

November 8, 2010 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.25-- DEPARTMENT OF DEFENSE PROCUREMENT CONTRACTS
AWARDED, BY SELECTED TYPE OF BUSINESS: 2015 TO 2019**

[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 all 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/	2015	2016	2017	2018	2019
Total contract actions (number)	30,077	24,399	54,878	55,711	56,761
Total contract actions value	1,729,370	1,852,489	1,795,898	2,032,060	2,260,145
Small business	868,501	1,066,437	887,745	983,712	937,956
Small business as share of total (%)	50.2	57.6	49.4	48.4	41.5
Small disadvantaged business	549,506	711,106	518,478	530,545	466,405
Women-owned business	143,392	185,519	174,457	187,584	207,433
HUBZone 2/	88,000	128,259	91,354	102,606	74,222
Veteran-owned	125,291	145,073	142,045	231,230	195,455
Service-disabled veteran-owned	68,577	74,306	86,640	109,520	99,900
8(a) firm	311,918	369,395	349,533	309,241	253,525
Javits-Wagner-O'Day Program	19,901	24,035	23,574	23,461	22,917
HBCU 3/	-	-	-	-	-
Educational institutions	15,621	21,852	9,397	15,091	17,991
Asian Pacific	277,442	284,091	293,491	355,906	391,409
Minority institutions	-	-	-	-	-
Local government	1,120	2,200	2,412	2,160	2,372
State government	20,186	27,774	15,696	18,575	22,945
U.S. Tribal government	-	-	-	-	-
American Indian	11,487	17,304	38,193	23,494	5,923
Native American	189,189	313,387	175,940	147,574	166,193
Indian tribe 4/	5,737	6,822	29,395	8,707	1,622
Native Hawaiian-owned	125,873	162,713	157,660	153,688	156,649
Tribally-owned	11,587	45,271	70,475	30,091	23,707
Alaskan Native-owned	50,026	143,964	115,887	71,300	64,338
Asian Indian	66,265	43,700	19,877	45,331	61,076
Minority-owned	627,343	682,424	552,164	609,440	651,300
Black-owned	18,402	28,216	21,235	45,252	36,028
Hispanic-owned	52,233	35,898	41,404	31,387	36,136
Non-profit organization	20,717	25,076	24,678	24,368	23,132
Emerging small business	70,142	26,049	-952	-1,226	4,315
Hospital	97	93	87	-132	-91

1/ After 2009, DOD data were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov at <<http://www.usaspending.gov>> also contains current DoD procurement data.

2/ HUBZone Historically underutilized business zone.

3/ HBCU Historically Black Colleges and Universities.

4/ Federally recognized.

Source: Federal Procurement Data System - Next Generation, Geographic Report by Place of Performance, FY 2015 <https://www.fpds.gov/fpdsng_cms/index.php/en/> accessed June 24, 2016; FY 2016 and FY 2017 accessed March 16, 2018; FY 2018 accessed July 13, 2019; FY2019 accessed July 24, 2020; 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 2019**

[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 and modifications to that award. Fiscal years ending September 30]

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	1,809,575	54,975	300,629,951	12,673,084
2018	2,032,060	55,711	336,147,925	35,028,378
2019	2,260,145	56,761	359,962,418	68,456,721

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.

Source: Federal Procurement Data System, Standard Reports by Place of Performance, FY1998 to FY2016
<https://www.fpbs.gov/fpdsng_cms/index.php/en/> accessed July 25, 2018; FY2017 and FY2018 accessed July 23, 2019; and FY2019 accessed July 24, 2020.

Table 10.27-- 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
Aliamanu Military Reservation	Honolulu	103	281,356	755	2,315,817	531	520	1,324.1
Dillingham Military Res	Waialua	4	3,696	-	-	664	628	45.7
Fort De Russy	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 Pa	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 Kalaeloa	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 10.27-- 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

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**Table 10.27-- 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 10.28-- 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	4,167	120	88	3,269	690
Army	1,588	44	26	1,205	313
Navy	790	25	26	577	162
Air Force	1,528	42	31	1,297	158
Marine Corps	172	8	5	102	57
Washington Headquarters Service	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.

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 10.29-- HOUSING UNITS IN SELECTED MILITARY AREA
CENSUS-DESIGNATED PLACES: 2013-2017 AND 2014-2018**

[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
2013-2017				
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
2014-2018				
State total	539,053	456,782	266,362	190,420
Ahuimanu CDP	2,671	2,625	2,162	463
Hickam Housing CDP	2,810	2,583	9	2,574
Iroquois Point CDP	1,170	1,051	-	1,051
Kaneohe Station CDP	2,737	2,548	9	2,539
Schofield Barracks CDP	4,842	4,462	12	4,450
Wheeler AFB CDP	975	871	17	854

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; and Ibid. 2014-2018
<<https://data.census.gov>> accessed July 10, 2020.

**Table 10.30-- MILITARY HOUSING PRIVATIZATION INITIATIVE PROJECTS:
AUGUST 2008**

[The MHPI is a 50-year public-private partnership as authorized under the National Defense Defense Act for Fiscal Year 1996 to facilitate upgrade and maintenance of the inventory of military housing units]

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 10.31-- MILITARY MONTHLY BASIC ALLOWANCES FOR HOUSING RATES, BY COUNTY: 2020

[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	2,526	2,784	2,187	2,145	1,992	2,088	1,641	1,620
E02	2,526	2,784	2,187	2,145	1,992	2,088	1,641	1,620
E03	2,526	2,784	2,187	2,145	1,992	2,088	1,641	1,620
E04	2,526	2,784	2,187	2,145	1,992	2,088	1,641	1,620
E05	2,844	2,913	2,346	2,379	2,133	2,397	1,875	1,803
E06	3,297	2,967	2,568	2,793	2,472	2,664	2,040	2,094
E07	3,465	3,132	2,583	2,814	2,598	2,787	2,190	2,154
E08	3,648	3,318	2,592	2,823	2,940	2,928	2,397	2,463
E09	3,831	3,507	2,640	2,913	3,078	2,937	2,457	2,592
W01	3,318	2,979	2,580	2,811	2,490	2,748	2,139	2,109
W02	3,543	3,210	2,589	2,820	2,937	2,925	2,394	2,460
W03	3,765	3,438	2,601	2,832	3,087	2,940	2,463	2,601
W04	3,858	3,537	2,655	2,946	3,342	3,003	2,565	2,796
W05	3,975	3,660	2,727	3,090	3,513	3,177	2,583	2,814
O01E	3,504	3,171	2,586	2,817	2,847	2,916	2,349	2,382
O02E	3,732	3,402	2,595	2,826	3,042	2,931	2,439	2,559
O03E	3,873	3,555	2,664	2,964	3,294	2,955	2,559	2,790
O01	2,901	2,925	2,379	2,430	2,202	2,655	2,025	1,908
O02	3,294	2,964	2,565	2,790	2,739	2,871	2,295	2,301
O03	3,756	3,426	2,598	2,829	3,135	2,943	2,484	2,643
O04	4,014	3,702	2,751	3,141	3,480	3,144	2,571	2,802
O05	4,194	3,894	2,859	3,366	3,582	3,252	2,586	2,817
O06	4,230	3,927	2,883	3,396	3,750	3,423	2,589	2,820
O07	4,272	3,966	2,910	3,426	3,822	3,486	2,631	2,865

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 12, 2019.

**Table 10.32-- VETERAN STATUS OF CIVILIANS 17 YEARS AND OVER:
2015 TO 2019**

[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	2015	2016	2017	2018	2019
Civilian population 1/	1,081,383	1,088,612	1,088,332	1,088,193	1,085,960
Male 1/	524,021	527,917	526,703	525,945	523,924
Female 1/	557,362	560,695	561,629	562,248	562,036
Veterans	113,000	113,000	112,000	111,000	111,000
Male	102,000	101,000	100,000	99,000	98,000
Female	11,000	12,000	12,000	12,000	12,000
War veterans 2/	91,000	91,000	91,000	91,000	91,000
Persian Gulf War 3/	44,000	47,000	50,000	52,000	55,000
Vietnam era	38,000	37,000	36,000	34,000	33,000
Korean conflict	8,000	8,000	7,000	6,000	5,000
World War II	5,000	4,000	3,000	3,000	2,000
Peacetime only	22,000	22,000	21,000	20,000	19,000
Nonveterans 1/	968,000	976,000	976,000	977,000	975,000
Male	422,021	426,917	426,703	426,945	425,924
Female	546,362	548,695	549,629	550,248	550,036

1/ Data may differ somewhat from corresponding data from the previous years' *Data Books* due to annual revisions in the population estimates 2010 to 2018.

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, 2019" (June 2020) <<https://www2.census.gov/programs-surveys/popest/tables/2010-2018/state/asrh/sc-est2018-agesex-civ.csv>> accessed July 3, 2020; 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 3, 2020.

**Table 10.33-- ARMED FORCES AND VETERAN STATUS, BY SEX AND AGE
FOR THE POPULATION 18 YEARS AND OVER, FOR HAWAII AND THE
UNITED STATES: 2018**

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Total	1,420,491	327,167,439	0.4
18 years and over	1,117,236	253,815,197	0.4
In Armed Forces 1/	40,660	1,008,748	4.0
Civilian	1,076,576	252,806,449	0.4
Veteran	102,915	17,964,242	0.6
Nonveteran	973,661	234,842,207	0.4
18 to 64 years	855,769	201,392,083	0.4
In Armed Forces 1/	40,660	1,008,748	4.0
Civilian	815,109	200,383,335	0.4
Veteran	55,113	8,973,535	0.6
Nonveteran	759,996	191,409,800	0.4
65 years and over	261,467	52,423,114	0.5
In Armed Forces 1/	-	-	(X)
Civilian	261,467	52,423,114	0.5
Veteran	47,802	8,990,707	0.5
Nonveteran	213,665	43,432,407	0.5
Male	710,702	161,118,151	0.4
18 years and over	556,287	123,578,869	0.5
In Armed Forces 1/	35,068	865,442	4.1
Civilian	521,219	122,713,427	0.4
Veteran	92,270	16,311,444	0.6
Nonveteran	428,949	106,401,983	0.4
18 to 64 years	437,588	100,287,971	0.4
In Armed Forces 1/	35,068	865,442	4.1
Civilian	402,520	99,422,529	0.4
Veteran	45,411	7,656,867	0.6
Nonveteran	357,109	91,765,662	0.4
65 years and over	118,699	23,290,898	0.5
In Armed Forces 1/	-	-	(X)
Civilian	118,699	23,290,898	0.5
Veteran	46,859	8,654,577	0.5
Nonveteran	71,840	14,636,321	0.5

Continued on next page.

**Table 10.33-- ARMED FORCES AND VETERAN STATUS, BY SEX AND AGE
FOR THE POPULATION 18 YEARS AND OVER, FOR HAWAII AND THE
UNITED STATES: 2018 -- Con.**

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Female	709,789	166,049,288	0.4
18 years and over	560,949	130,236,328	0.4
In Armed Forces 1/	5,592	143,306	3.9
Civilian	555,357	130,093,022	0.4
Veteran	10,645	1,652,798	0.6
Nonveteran	544,712	128,440,224	0.4
18 to 64 years	418,181	101,104,112	0.4
In Armed Forces 1/	5,592	143,306	3.9
Civilian	412,589	100,960,806	0.4
Veteran	9,702	1,316,668	0.7
Nonveteran	402,887	99,644,138	0.4
65 years and over	142,768	29,132,216	0.5
In Armed Forces 1/	-	-	(X)
Civilian	142,768	29,132,216	0.5
Veteran	943	336,130	0.3
Nonveteran	141,825	28,796,086	0.5

X Not applicable.

1/ Calculated as 'Total' less 'Civilian'.

Source: U.S. Census Bureau, 2018 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: Demographic and Housing Estimates" <<https://data.census.gov>> accessed January 21, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.34-- DISTRIBUTION OF VETERANS AFFAIRS POPULATION
AND EXPENDITURES, BY COUNTY: 2018 AND 2019**

[In number of persons and thousands of dollars. Fiscal year ending September 30]

Subject	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
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	-	-	-
2019						
Veteran population 1/	110,524	14,746	82,971	4	4,230	8,574
Unique patients 2/	28,756	4,581	20,117	(3/)	(3/)	2,488
Total expenditure	1,123,321	147,237	848,042	17	42,624	85,402
Compensation & pension 4/	521,143	73,014	388,623	-	18,017	41,489
Educ. & vocational rehab/emp.	175,108	5,306	165,854	-	1,147	2,801
Medical care 5/	397,869	67,814	266,868	17	23,056	40,115
Insurance & indemnities	11,327	1,102	8,823	-	405	997
Construction	825	-	825	-	-	-
General operating expenses	17,049	-	17,049	-	-	-

1/ Veteran population estimated as of September 30. Source obtained data from Department of Veterans Affairs, Predictive Analytics and Actuary Service (VetPop 2016).

2/ Patients who received treatment at a VA health care facility. Data are provided by the Allocation Resource Center (ARC). 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 July 4, 2020.

Table 10.35-- 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 10.35-- 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 Compension (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

<u>11.01</u>	Temporary Assistance to Needy Families, Average Monthly, by Island: 2014 to 2019
<u>11.02</u>	Temporary Assistance to Other Needy Families, Average Monthly, by Island: 2014 to 2019
<u>11.03</u>	Average Monthly Cases Served by the Food Stamp Program, by Island: 1985 to 2019
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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 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: 2014 TO 2019**

[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
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
2019								
Cases	3,812	2,099	1,131	177	406	(NA)	310	96
Recipients	10,153	5,604	3,045	453	1,050	(NA)	762	289
Expenditures 1/	2,273	1,264	680	98	231	(NA)	173	58

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: 2014 TO 2019**

[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
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
2019								
Cases	565	417	97	17	34	(NA)	32	2
Recipients	1,829	1,387	306	36	101	(NA)	96	5
Expenditures 1/	306	220	57	8	20	(NA)	19	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: 1985 TO 2019

[Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2019	81,649	46,625	21,901	4,099	9,024	186	7,734	1,104

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: 1985 TO 2019**

[Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2019	158,628	91,448	41,811	7,824	17,545	352	14,836	2,358

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: 1995 TO 2019

[In dollars. Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2019	456,620,451	261,442,376	122,773,376	22,052,084	50,352,615	1,006,513	42,501,524	6,844,578

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: 2016 TO 2018**

[December data. Based on Master Beneficiary Record, 100 percent data]

Age and sex	2016	2017	2018
Total	261,513	266,523	271,236
17 or under	10,738	10,643	10,458
18 to 54	12,386	11,895	11,356
55 to 61	9,061	8,978	8,820
62 to 64	19,312	18,650	18,018
65 to 69	62,684	62,724	62,962
70 to 74	54,958	59,114	61,867
75 to 79	34,837	36,651	39,475
80 to 84	24,806	24,921	25,393
85 to 89	18,855	18,595	18,162
90 to 99	13,422	13,848	14,195
100 or older	454	504	530
Adult beneficiaries	247,484	252,563	257,403
Men	112,622	115,124	117,548
Women	134,862	137,439	139,855

Source: 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/2019/5j.pdf>> accessed July 5, 2020.

**Table 11.07-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE
(OASDI) BENEFICIARIES AND BENEFITS IN CURRENT-PAYMENT
STATUS, BY TYPE OF BENEFIT: 2017 AND 2018**

[December data. Based on Master Beneficiary Record, 100 percent data]

Type of benefit	OASDI beneficiaries		Monthly benefits (\$1,000)	
	2017	2018	2017	2018
Total	266,523	271,236	349,396	371,053
Retirement	219,239	224,951	296,367	317,338
Retired workers	206,148	211,813	286,915	307,482
Spouses	9,286	9,348	6,869	7,207
Children	3,805	3,790	2,583	2,649
Survivors	21,073	20,910	24,620	25,290
Widow(er)s and parents	14,924	14,700	19,098	19,527
Children	6,149	6,210	5,522	5,763
Disability	26,211	25,375	28,407	28,425
Disabled workers	21,813	21,165	26,803	26,850
Spouses	392	377	127	134
Children	4,006	3,833	1,477	1,441
Age 65 and over	216,357	222,584	297,967	319,523
Men	97,235	100,397	146,684	157,547
Women	119,122	122,187	151,283	161,976

Source: 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/2019/5j.pdf>> accessed July 5, 2020.

Table 11.08-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFICIARIES IN CURRENT-PAYMENT STATUS, BY COUNTY: 2018

[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	271,236	211,813	9,348	3,790	14,700	6,210	21,165	377	3,833	100,397	122,187
Hawaii	46,070	34,875	1,175	640	2,440	1,090	4,920	60	870	17,225	18,345
Honolulu	178,155	140,075	6,935	2,330	9,960	3,980	12,330	250	2,295	65,390	83,900
Kalawao	-	-	-	-	-	-	-	-	-	-	-
Kauai	15,775	12,530	450	300	825	320	1,130	25	195	6,075	6,805
Maui	31,235	24,330	790	520	1,475	820	2,785	40	475	11,710	13,135

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: Social Security Administration, *OASDI Beneficiaries by State and County 2018*, table 4

<https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2018/hi.pdf> accessed July 5, 2020.

Table 11.09-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS IN CURRENT-PAYMENT STATUS, BY COUNTY: 2018

[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	371,053	307,482	7,207	2,649	19,527	5,763	26,850	134	1,441	157,547	161,976
Hawaii	60,229	48,351	890	422	3,232	935	6,089	20	290	25,882	23,431
Honolulu	247,052	206,520	5,361	1,645	13,151	3,775	15,622	85	892	104,048	112,478
Kalawao	-	-	-	-	-	-	-	-	-	-	-
Kauai	21,231	17,737	339	207	1,107	299	1,451	13	78	9,334	8,802
Maui	42,542	34,873	617	374	2,036	754	3,689	17	181	18,282	17,265

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: Social Security Administration, *OASDI Beneficiaries by State and County 2018*, table 5

<https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2018/hi.pdf> accessed July 5, 2020.

**Table 11.10-- NUMBER AND PERCENT RECEIVING OLD AGE,
SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS
FOR HAWAII AND THE UNITED STATES: 2018**

[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	1,420	19.1	261	85.3
United States	327,167	19.2	52,431	89.9

1/ Population estimates as of July 1, 2018, as reported by the U.S. Census Bureau.

Source: Social Security Administration, *OASDI Beneficiaries by State and County 2018*, table 1
<https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2018/hi.pdf> accessed July 5, 2020.

**Table 11.11-- SOCIAL SECURITY BENEFICIARIES AND BENEFITS PAID:
1991 TO 2018**

[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
2018	271,236	371,053	4,270

1/ Prior to 2007 includes special age-72 beneficiaries.

Source: 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/2019/5j.pdf>> accessed July 5, 2020.

Table 11.12-- MEDICARE BENEFICIARIES ENROLLED: 2016 TO 2018

Coverage	All persons			Persons 65 and over		
	2016	2017	2018	2016	2017	2018
Hospital (Part A) and/or supplementary medical insurance (Part B)	251,978	259,408	266,940	228,559	236,201	244,217
Hospital insurance (Part A and B, and Part A only)	251,274	258,623	266,265	227,855	235,418	243,542
Hospital insurance (Part A only)	31,320	33,432	35,442	28,818	30,910	32,989
Supplementary medical insurance (Part A and B, and Part B only)	220,658	225,975	231,498	199,741	205,291	211,228
Supplementary medical insurance (Part B only)	704	784	675	704	783	675
Hospital (Part A) and supplementary medical insurance (Part B)	219,954	225,191	230,823	199,037	204,508	210,553

Source: U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services
 <<http://www.cms.hhs.gov/MedicareEnrpts>> accessed July 5, 2020; 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: 2018**

[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	128	603	58	603
With a hearing difficulty	-	251	-	251
With a vision difficulty	128	352	58	352
Age 5 to 17 years				
With any disability	6,690	2,938	4,003	1,869
With a hearing difficulty	519	198	442	54
With a vision difficulty	906	776	443	164
With a cognitive difficulty	5,533	1,690	3,307	1,383
With an ambulatory difficulty	127	434	127	405
With a self-care difficulty	391	174	189	174
Age 18 to 34 years				
With any disability	7,748	7,185	5,386	4,259
With a hearing difficulty	1,035	1,182	937	976
With a vision difficulty	1,199	1,028	859	702
With a cognitive difficulty	5,569	3,124	3,598	1,814
With an ambulatory difficulty	1,075	1,791	869	687
With a self-care difficulty	931	816	785	722
With an independent living difficulty	2,446	2,170	1,422	1,252
Age 35 to 64 years				
With any disability	28,385	23,037	16,484	13,534
With a hearing difficulty	8,838	4,078	4,862	1,560
With a vision difficulty	3,627	4,781	1,967	2,430
With a cognitive difficulty	11,975	8,270	6,511	4,110
With an ambulatory difficulty	12,672	11,671	8,314	7,802
With a self-care difficulty	4,469	4,118	3,032	2,617
With an independent living difficulty	9,534	8,568	6,000	4,881

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**TABLE 11.14-- DISABILITY STATUS AND NUMBER OF PERSONS
WITH A DISABILITY, FOR THE STATE AND OAHU: 2018 -- Con.**

Age and disability status	State total		Oahu	
	Male	Female	Male	Female
65 to 74 years				
With any disability	17,292	13,100	9,994	7,747
With a hearing difficulty	8,608	2,937	5,287	1,703
With a vision difficulty	3,236	2,748	1,773	1,450
With a cognitive difficulty	4,508	2,384	2,328	1,661
With an ambulatory difficulty	7,637	8,322	3,983	4,994
With a self-care difficulty	2,664	2,521	1,022	1,141
With an independent living difficulty	4,490	4,274	1,817	2,371
75 years and over				
With any disability	20,471	30,784	13,953	22,209
With a hearing difficulty	11,735	13,066	7,793	9,341
With a vision difficulty	1,572	5,779	967	4,750
With a cognitive difficulty	6,336	11,809	4,115	8,838
With an ambulatory difficulty	11,602	20,319	8,374	14,700
With a self-care difficulty	4,825	8,187	3,746	6,401
With an independent living difficulty	9,337	20,235	6,442	15,073

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates Detailed Tables,
<<https://data.census.gov/cedsci/>> accessed July 7, 2020

**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)
<<https://uhfamily.hawaii.edu/publications>> 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
Marshallse	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)

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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) <<https://uhfamily.hawaii.edu/publications>> 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)

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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) <<https://uhfamily.hawaii.edu/publications>> accessed June 26, 2017.

**Table 11.18-- HOMELESS PERSONS, BY SURVEY CATEGORY,
BY COUNTY: 2016 TO 2020**

Year and survey category	State	City & County of Honolulu	County of Maui	County of Hawaii	County of Kauai
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
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)

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**Table 11.18-- HOMELESS PERSONS, BY SURVEY CATEGORY,
BY COUNTY: 2016 TO 2020 -- Con.**

Year and survey category	State	City & County of Honolulu	County of Maui	County of Hawaii	County of Kauai
January 2019 3/					
Homeless persons	6,448	4,417	(NA)	(NA)	(NA)
Sheltered 1/	2,810	2,014	(NA)	(NA)	(NA)
Households with children	(NA)	254	(NA)	(NA)	(NA)
Persons in families	(NA)	(NA)	(NA)	(NA)	(NA)
Single individuals	(NA)	(NA)	(NA)	(NA)	(NA)
Unsheltered 2/	3,638	2,403	(NA)	(NA)	(NA)
Households with children	(NA)	71	(NA)	(NA)	(NA)
Persons in families	(NA)	(NA)	(NA)	(NA)	(NA)
Single individuals	(NA)	(NA)	(NA)	(NA)	(NA)
January 2020					
Homeless persons	(NA)	4,448	(NA)	(NA)	(NA)
Sheltered 1/	(NA)	2,102	(NA)	(NA)	(NA)
Households with children	(NA)	263	(NA)	(NA)	(NA)
Persons in families	(NA)	1,154	(NA)	(NA)	(NA)
Single individuals	(NA)	948	(NA)	(NA)	(NA)
Unsheltered 2/	(NA)	2,346	(NA)	(NA)	(NA)
Households with children	(NA)	52	(NA)	(NA)	(NA)
Persons in families	(NA)	702	(NA)	(NA)	(NA)
Single individuals	(NA)	1,644	(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).

3/ City & County of Honolulu data revised from previous *Data Book*.

Source: State of Hawaii, Department of Human Services, Homeless Programs Office;
Partners in Care, *The Oahu 2020 point in time count, comprehensive report*
<<https://www.partnersincareoahu.org/pit-reports>> accessed July 9, 2020.

**Table 11.19-- HAWAII STATE EMPLOYEES' RETIREMENT SYSTEM:
1992 TO 2019**

[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	2,441	15,784,490
2019	75,704	49,885	17,227,027	1,469,635	(NA)	13,798,866

NA Not available.

1/ March 31 from 1992 through 2011, June 30 thereafter.

2/ Prior to June 30, 1997, assets are reported at cost. Effective June 30, 1997, assets are reported at fair value.

3/ Year ended June 30. Data on total benefits paid exclude the employers' share of social security contributions.

Source: Employees' Retirement System of the State of Hawaii, *Comprehensive Annual Financial Report*, Employees' Retirement System of the State of Hawaii, *Report to Board of Trustees on the Annual Actuarial Valuation* <<http://ers.ehawaii.gov/resources/financials>> accessed July 10, 2020, 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	32.9	900.48	157,488	432.89	15.3
2016	645,601	7,210	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

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, 2012 AND 2017

[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
2017						
State total	48	217	22,599	105,705	459	2,165
Oahu	33	138	19,667	82,953	395	1,581
Neighbor Islands	15	79	2,932	22,752	64	584

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. 2017 Economic Census, Health Care and Social Assistance: Summary Statistics for the U.S., States, and Selected Geographies: 2017, <https://data.census.gov/cedsci/table?q=EC1762BASIC&g=0400000US15_0500000US15003&hidePreview=true&tid=ECNBASIC2017.EC1762BASIC&vintage=2017&n=N0400.01> accessed July 11, 2020.

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 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).

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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 23.

Principal sources for the data on labor force, employment, place of work, hours, earnings, unions and strikes are the decennial reports of the U.S. Census Bureau, the same agency's Current Population Survey and American Community Survey, reports by the the U.S. Department of Agriculture- NASS, Hawaii Field Office, the U.S. Bureau of Labor Statistics, monthly and annual tabulations by the Hawaii State Department of Labor and Industrial Relations, and annual surveys of pay rates by the Hawaii Employers Council. *Historical Statistics of Hawaii*, Section 4, includes figures for earlier years. Statistics for the nation as a whole are published in Section 12 of the *Statistical Abstract of the United States: 2012*.

Table 12.01-- LABOR FORCE STATUS, BY SEX: 2013 TO 2018

[Data are based on a sample and are subject to sampling variability]

Sex and labor force status	2013	2014	2015	2016	2017	2018
BOTH SEXES						
Persons 16 years & over	1,128,541	1,143,931	1,152,884	1,152,321	1,153,457	1,147,756
Labor force	730,827	741,561	754,691	756,610	753,340	752,795
Percent in labor force	64.8	64.8	65.5	65.7	65.3	65.6
Armed forces	45,642	39,496	44,452	38,327	43,073	40,660
Civilian labor force	685,185	702,065	710,239	718,283	710,267	712,135
Employed	643,571	664,180	675,214	686,487	680,505	684,905
Unemployed	41,614	37,885	35,025	31,796	29,782	27,230
% of civ. lab. force	6.1	5.4	4.9	4.4	4.2	3.8
Not in labor force	397,714	402,370	398,193	395,711	400,117	394,961
MALE						
Persons 16 years & over	568,536	575,572	582,188	576,426	575,702	572,111
Labor force	399,951	403,642	412,721	408,395	406,005	400,523
Percent in labor force	70.3	70.1	70.9	70.8	70.5	70.0
Armed forces	40,615	35,471	40,417	33,604	38,087	35,068
Civilian labor force	359,336	368,171	372,304	374,791	367,918	365,455
Employed	336,565	346,145	354,372	357,986	352,523	350,203
Unemployed	22,771	22,026	17,932	16,805	15,415	15,252
% of civ. lab. force	6.3	6.0	4.8	4.5	3.8	4.2
Not in labor force	168,585	171,930	169,467	168,031	169,697	171,588
FEMALE						
Persons 16 years & over	560,005	568,359	570,696	575,895	577,755	575,645
Labor force	330,876	337,919	341,970	348,215	347,335	352,272
Percent in labor force	59.1	59.5	59.9	60.5	60.1	61.2
Armed forces	5,027	4,025	4,035	4,723	4,986	5,592
Civilian labor force	325,849	333,894	337,935	343,492	342,349	346,680
Employed	307,006	318,035	320,842	328,501	327,982	334,702
Unemployed	18,843	15,859	17,093	14,991	14,367	11,978
% of civ. lab. force	5.8	4.7	5.1	4.4	4.1	3.5
Not in labor force	229,129	230,440	228,726	227,680	230,420	223,373

Source: U.S. Census Bureau, American FactFinder, American Community Survey 1-Year Estimates:
Hawaii "DP03 Selected Economic Characteristics" (annual) <<https://data.census.gov>> accessed April 9, 2020;
and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 12.02-- LABOR FORCE CHARACTERISTICS, BY COUNTY: 2014-2018

[In number and percent. Average of 2014-2018]

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Population 16 to 64 years	901,490	121,157	631,972	59	43,928	104,374
Male	461,659	60,214	327,187	36	21,982	52,240
Worked in past 12 months (percent)	82.5	73.0	84.3	86.1	82.3	82.0
Usually worked 35 or more hours per week (percent)	69.0	56.8	71.5	80.6	68.2	67.9
50 to 52 weeks (percent)	67.6	56.8	69.7	75.0	67.6	67.5
Female	439,831	60,943	304,785	23	21,946	52,134
Worked in past 12 months (percent)	75.6	69.7	76.1	95.7	78.8	78.3
Usually worked 35 or more hours per week (percent)	55.1	47.9	55.8	87.0	59.1	57.5
50 to 52 weeks (percent)	58.4	53.0	58.4	82.6	66.8	61.4
Females 16 years and over	574,608	80,564	397,845	35	29,202	66,962
In labor force	346,914	44,988	240,404	26	18,509	42,987
Employed or in armed forces	332,235	42,305	230,796	26	17,897	41,211
Own children under 18 years in families and subfamilies	286,691	40,184	198,317	-	14,677	33,513
Under 6 years	101,726	13,760	71,291	-	5,323	11,352
All parents in family in labor force	64,172	8,337	43,718	-	3,823	8,294
All parents in family in labor force (percent)	63.1	60.6	61.3	0.0	71.8	73.1
Living with two parents, both parents in labor force	39,905	4,032	28,630	-	2,160	5,083
Living with two parents, mother only in labor force	2,517	305	1,928	-	128	156
Living with one parent (mother), mother in labor force	16,192	2,786	10,411	-	1,005	1,990

Source: U.S. Census Bureau, 2014-2018 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: 2014-2018" <<https://data.census.gov/>> accessed July 18, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.03-- SELECTED LABOR FORCE AND COMMUTING CHARACTERISTICS,
BY COUNTY: 2014-2018**

[Average of 2014-2018]

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Employment status						
Population 16 years and over	1,147,445	159,370	798,404	71	57,366	132,234
In labor force	749,527	92,215	531,160	57	37,816	88,279
Civilian labor force	709,482	91,970	491,936	57	37,621	87,898
Employed	677,446	86,515	470,748	57	36,129	83,997
Unemployed	32,036	5,455	21,188	-	1,492	3,901
Percent unemployed	4.5	5.9	4.3	0.0	4.0	4.4
Armed forces	40,045	245	39,224	-	195	381
Not in labor force	397,918	67,155	267,244	14	19,550	43,955
Females 16 years and over	574,608	80,564	397,845	35	29,202	66,962
In labor force	346,914	44,988	240,404	26	18,509	42,987
Civilian labor force	342,091	44,931	235,762	26	18,459	42,913
Employed	327,412	42,248	226,154	26	17,847	41,137
Own children under 6 years	101,726	13,760	71,291	-	5,323	11,352
All parents in family in labor force 1/	64,172	8,337	43,718	-	3,823	8,294
Commuting to work						
Workers 16 years and over	700,228	84,396	498,142	55	35,322	82,313
Car, truck, or van - drove alone	468,932	62,232	318,885	18	27,926	59,871
Car, truck or van - carpooled	97,951	11,498	71,763	6	3,239	11,445
Public trans. (excluding taxicab)	45,326	1,048	41,756	-	309	2,213
Walked	31,742	1,949	27,056	22	790	1,925
Other means	22,925	1,319	19,160	6	481	1,959
Worked at home	33,352	6,350	19,522	3	2,577	4,900
Mean travel time to work (min.)	27.4	25.0	29.1	5.1	22.3	21.6

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, 2014-2018 American Community Survey 5-Year Estimates, "DP03 Selected Economic Characteristics: 2014-2018 State of Hawaii, and County: Honolulu, Hawaii, Kauai, Maui, Kalawao" <<https://data.census.gov/>> accessed July 10, 2020.

**Table 12.04-- LABOR FORCE STATUS OF THE CIVILIAN
NONINSTITUTIONAL POPULATION 16 YEARS AND OVER: ANNUAL
AVERAGE, 2018 AND 2019**

[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'. 2019 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	
2018				
Civilian noninstitutional population 1/	1,092	527	565	78
Civilian labor force 1/	678	350	329	55
Percent of population	62.1	66.3	58.2	71.2
Employment 1/	661	339	321	53
Percent of population 2/	60.5	64.4	56.9	68.7
Unemployment	18	10	7	2
Rate 2/	2.6	3.0	2.2	3.5
Not in civilian labor force 1/	414	177	236	23
2019				
Civilian noninstitutional population	1,091	525	566	71
Civilian labor force	661	339	323	52
Percent of population	60.6	64.5	57.0	72.6
Employment	643	327	316	49
Percent of population	58.9	62.2	55.8	69.2
Unemployment	19	12	7	2
Rate	2.8	3.6	2.0	4.6
Not in civilian labor force	430	186	243	19

1/ Revised from previous *Data Book*.

2/ '20 to 24 years (both sexes)' revised from previous *Data Book*.

Source: U.S. Bureau of Labor Statistics, *Local Area Unemployment Statistics*, "2018 Data on Employment Status by State and Demographic Group" <<http://www.bls.gov/lau/table14full2018.pdf>> accessed July 11, 2020; "Preliminary 2019 Data on Employment Status by State and Demographic Group" <<http://www.bls.gov/lau/ptable14full2019.pdf>> accessed July 11, 2020; 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: 2018 AND 2019**

[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		Unemployment rate (percent)	
	Both sexes	Female	Both sexes	Female
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
2019				
Both sexes (one, two or more races, & Hispanic-Latino)	665,000	320,400	2.7	2.2
Both sexes, not Hispanic-Latino	618,250	297,450	2.6	2.1
One race (excluding Hispanic-Latino)	513,650	246,550	2.3	1.9
White	160,050	71,550	2.8	2.5
Black or African American	8,300	3,200	3.0	2.5
American Indian and Alaska Native	1,000	550	1.4	1.0
Asian	278,400	141,000	1.5	1.2
Native Hawaiian and other Pacific Islander	57,300	26,150	4.4	3.9
Some other race	8,600	4,100	6.4	6.0
Two or more races	104,600	50,900	3.7	2.9
Both sexes, Hispanic or Latino	46,750	23,000	4.6	4.1
Both sexes, minority group	504,900	248,850	2.7	2.2

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: 2018" (April 3, 2019) <<https://www.hiwi.org/gsipub/index.asp?docid=462>> accessed July 5, 2019; Ibid. 2019 (April 1, 2020) <<https://www.hirenethawaii.com/gsipub/index.asp?docid=11088>> accessed July 10, 2020, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.06-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE:
ANNUAL AVERAGE, 1990 TO 2019**

[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 1/	647,250	602,300	44,950	6.9
2011 1/	660,250	615,300	44,950	6.8
2012 1/	647,200	608,300	38,900	6.0
2013 1/	651,550	619,700	31,850	4.9
2014 1/	665,450	636,500	28,950	4.4
2015 1/	673,800	649,800	24,000	3.6
2016 1/	683,200	663,050	20,150	3.0
2017 1/	683,800	667,150	16,650	2.4
2018 1/	675,200	658,250	16,950	2.5
2019 1/	665,000	646,950	18,000	2.7

1/ DLIR benchmarked data in March, 2020. 2010 to 2019 reflect revised population controls and model reestimation. 2015 to 2018 labor force and employed; 2016 to 2018 unemployed, and 2018 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.hirenethawaii.com/admin/gsipub/htmlarea/uploads/LFR_LAUS_LF.xls> accessed July 10, 2020.

**Table 12.07-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION
FOR HAWAII AND THE UNITED STATES AVERAGE: 2003 TO 2019**

[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
2019	0.9	1.2	2.8	3.0	3.8	6.8
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
2019	1.3	1.7	3.7	3.9	4.5	7.2

Source: U. S. Bureau of Labor Statistics, "Alternative Measures of Labor Underutilization for States, 2019 Annual Averages" <<https://www.bls.gov/lau/stalt19q4.htm>> (January 31, 2020) and Archived Tables (annual) <http://www.bls.gov/lau/stalt_archived.htm> accessed January 31, 2020.

**Table 12.08-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION
FOR THE 50 STATES AND THE UNITED STATES AVERAGE: 2019**

[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	1.3	1.7	3.7	3.9	4.5	7.2
Alabama	1.2	1.1	3.0	3.2	3.8	5.4
Alaska	1.9	3.7	6.1	6.5	7.5	10.1
Arizona	1.5	1.9	4.8	5.0	6.0	9.3
Arkansas	1.0	1.6	3.5	3.8	4.6	7.1
California	1.6	2.1	4.1	4.3	4.9	8.3
Colorado	0.8	1.1	2.6	2.8	3.2	6.3
Connecticut	1.7	1.9	3.8	4.1	4.6	7.9
Delaware	1.6	2.6	4.0	4.3	4.8	7.5
District of Columbia	3.3	1.9	5.7	6.0	6.7	8.6
Florida	1.3	1.3	3.1	3.4	4.0	7.1
Georgia	1.4	1.5	3.4	3.8	4.3	6.5
Hawaii	0.9	1.2	2.8	3.0	3.8	6.8
Idaho	0.6	1.4	2.9	3.0	3.4	6.0
Illinois	1.5	2.0	3.9	4.1	4.7	7.4
Indiana	0.9	1.8	3.4	3.6	4.1	6.3
Iowa	0.7	1.6	2.8	2.9	3.2	5.1
Kansas	0.8	1.4	3.1	3.3	3.7	5.7
Kentucky	1.4	2.0	4.3	4.6	5.4	7.7
Louisiana	2.0	2.0	4.8	5.3	6.1	8.6

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**Table 12.08-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION
FOR THE 50 STATES AND THE UNITED STATES AVERAGE: 2019 -- Con.**

Year	Unemployment rate					
	U-1	U-2	U-3	U-4	U-5	U-6
Maine	1.0	1.4	3.1	3.2	3.8	6.6
Maryland	1.4	1.6	3.6	3.7	4.3	6.5
Massachusetts	1.1	1.5	2.9	3.1	3.7	5.9
Michigan	1.3	1.9	4.0	4.3	4.8	7.5
Minnesota	0.8	2.0	3.3	3.3	3.7	5.9
Mississippi	2.4	2.3	5.6	6.1	6.7	10.0
Missouri	0.8	1.3	3.2	3.4	4.0	6.3
Montana	0.9	1.7	3.5	3.7	4.1	7.3
Nebraska	0.8	1.2	3.3	3.4	3.8	6.2
Nevada	1.5	2.0	4.0	4.2	4.8	7.6
New Hampshire	0.8	1.1	2.6	2.7	3.1	5.2
New Jersey	1.5	1.8	3.5	3.7	4.3	6.8
New Mexico	1.8	2.1	4.9	5.1	5.7	8.7
New York	1.7	1.8	4.0	4.3	4.9	7.7
North Carolina	1.4	1.5	3.9	4.2	4.8	7.3
North Dakota	0.6	1.1	2.3	2.5	3.0	4.7
Ohio	1.1	1.7	4.0	4.1	4.9	7.8
Oklahoma	1.2	1.6	3.4	3.6	4.2	6.1
Oregon	1.2	1.7	3.8	3.8	4.5	8.0
Pennsylvania	1.6	2.0	4.2	4.5	5.3	8.1
Rhode Island	1.3	2.0	3.5	3.7	4.3	6.9
South Carolina	1.0	1.4	2.9	3.1	4.0	6.1
South Dakota	1.2	1.1	3.5	3.6	4.0	5.7
Tennessee	1.0	1.5	3.4	3.6	4.0	5.8
Texas	1.1	1.5	3.5	3.7	4.1	6.8
Utah	0.6	1.2	2.6	2.7	3.0	5.2
Vermont	0.5	1.3	2.3	2.4	3.1	5.5
Virginia	1.0	1.4	2.8	3.0	3.7	6.2
Washington	1.4	2.2	4.2	4.4	5.0	7.6
West Virginia	1.8	2.2	4.8	5.0	5.7	8.9
Wisconsin	1.0	1.7	3.4	3.5	4.0	6.0
Wyoming	0.9	1.6	3.5	3.6	4.1	6.7

Source: U. S. Bureau of Labor Statistics, "Alternative Measures of Labor Underutilization for States, 2019 Annual Averages" (January 31, 2020) <<https://www.bls.gov/lau/stalt18q4.htm>> accessed July 10, 2020.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2019**

[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 1/ 2/	647,250	444,200	88,400	34,900	79,750
2011 1/ 2/	660,250	454,000	89,450	35,550	81,250
2012 1/ 2/	647,200	445,700	86,900	34,550	80,000
2013 1/ 2/	651,550	449,050	87,000	34,750	80,800
2014 1/ 2/	665,450	458,000	88,650	35,450	83,400
2015 1/ 3/	673,800	462,750	89,900	36,000	85,150
2016 1/ 3/	683,200	466,150	93,050	36,800	87,200
2017 1/ 3/	683,800	464,750	93,550	37,200	88,300
2018 1/ 3/	675,200	458,050	92,450	36,600	88,100
2019 1/	665,000	450,550	91,150	36,550	86,750
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

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**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2019 -- Con.**

Year	State	Honolulu	Hawaii	Kauai	Maui
Civilian employed (con.)					
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
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 1/ 2/	602,300	417,650	79,750	31,900	73,000
2011 1/ 2/	615,300	427,200	80,750	32,550	74,900
2012 1/ 2/	608,300	421,550	79,750	32,100	74,900
2013 1/ 2/	619,700	429,000	81,250	32,800	76,650
2014 1/ 2/	636,500	439,300	83,800	33,750	79,650
2015 1/ 3/	649,800	447,200	86,000	34,600	82,050
2016 1/ 3/	663,050	453,150	89,700	35,650	84,550
2017 1/ 3/	667,150	453,900	90,900	36,300	86,050
2018 1/ 3/	658,250	447,000	89,650	35,650	85,950
2019 1/	646,950	438,950	88,000	35,550	84,450
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

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**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2019 -- Con.**

Year	State	Honolulu	Hawaii	Kauai	Maui
Unemployed (con.)					
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 1/	44,950	26,550	8,650	3,000	6,750
2011 1/	44,950	26,800	8,700	3,050	6,400
2012 1/	38,900	24,150	7,150	2,500	5,100
2013 1/	31,850	20,050	5,750	1,950	4,150
2014 1/	28,950	18,750	4,850	1,700	3,700
2015 1/	24,000	15,600	3,900	1,400	3,100
2016 1/ 4/	20,150	13,000	3,350	1,150	2,650
2017 1/ 4/	16,650	10,850	2,650	900	2,250
2018 1/ 3/	16,950	11,050	2,800	950	2,150
2019 1/	18,000	11,650	3,150	1,000	2,250
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

Continued on next page.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2019 -- Con.**

Year	State	Honolulu	Hawaii	Kauai	Maui
Percent unemployed (con.)					
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 1/ 4/	6.9	6.0	9.8	8.6	8.5
2011 1/ 4/	6.8	5.9	9.7	8.5	7.8
2012 1/ 4/	6.0	5.4	8.2	7.2	6.4
2013 1/ 4/	4.9	4.5	6.6	5.6	5.1
2014 1/ 4/	4.4	4.1	5.5	4.7	4.5
2015 1/ 4/	3.6	3.4	4.3	3.9	3.6
2016 1/ 4/	3.0	2.8	3.6	3.1	3.0
2017 1/ 4/	2.4	2.3	2.8	2.4	2.6
2018 1/ 4/	2.5	2.4	3.0	2.5	2.4
2019 1/	2.7	2.6	3.4	2.7	2.6

1/ DLIR benchmarked data in March 2020. Data for 2010 to 2019 reflect revised population controls and model reestimation.

2/ County estimates revised from previous *Data Book*.

3/ Revised from previous *Data Book*.

4/ State unemployed revised and various unemployment rate estimates revised from previous *Data Book*.

Source: Hawaii State Department of Labor & Industrial Relations, "State of Hawaii, Honolulu MSA, Hawaii County, Kauai County and Maui County Not Seasonally Adjusted Civilian Labor Force"

<https://www.hirenethawaii.com/admin/gsipub/htmlarea/uploads/LFR_LAUS_LF.xls> accessed July 10, 2020.

**Table 12.10-- UNEMPLOYMENT INSURANCE BENEFITS AND DURATION
FOR THE UNITED STATES, THE 50 STATES, DISTRICT OF COLUMBIA,
PUERTO RICO AND THE VIRGIN ISLANDS: 2019 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	6,415,411	3.34	377.97	14.8	5,324.40
Alabama	34,620	-	228.09	13.4	3,013.90
Alaska	21,547	1.38	271.61	17.0	4,430.20
Arizona	43,669	-	233.51	14.6	3,371.20
Arkansas	23,477	-	283.68	10.1	2,589.60
California	1,140,451	0.66	338.25	17.4	5,720.50
Colorado	92,144	-	460.12	13.7	6,030.40
Connecticut	136,829	-	414.48	16.0	6,034.80
Delaware	15,288	-	292.89	16.8	4,463.10
Dist. of Columbia	27,604	0.55	363.44	16.9	5,851.10
Florida	78,094	-	252.87	9.2	2,278.90
Georgia	78,129	-	318.73	8.1	2,364.70
Hawaii	35,172	-	533.32	15.3	7,865.20
Idaho	17,494	-	344.61	9.7	3,176.10
Illinois	391,382	0.74	402.89	16.2	6,429.60
Indiana	54,192	-	299.00	12.5	3,680.00
Iowa	79,893	-	418.88	12.2	4,851.50
Kansas	31,094	-	394.81	11.6	4,359.00
Kentucky	71,663	-	380.29	18.2	6,570.10
Louisiana	28,920	-	216.68	15.3	3,264.90
Maine	16,478	-	352.46	13.8	4,671.30
Maryland	92,219	-	353.80	17.7	6,085.90
Massachusetts	313,145	-	555.49	16.9	8,823.90
Michigan	173,213	-	328.58	11.4	3,595.20
Minnesota	185,341	-	477.83	15.8	7,256.00
Mississippi	14,075	-	213.23	12.9	2,683.20
Missouri	51,973	-	273.44	12.9	3,339.50
Montana	21,031	-	383.89	12.4	4,328.70
Nebraska	12,844	-	356.91	11.6	3,949.60
Nevada	68,611	-	371.90	14.5	5,097.30
New Hampshire	9,538	-	345.57	12.1	3,895.20
New Jersey	454,046	-	470.59	17.8	7,879.70
New Mexico	31,548	-	349.74	16.6	5,620.90
New York	529,952	-	385.45	16.4	5,661.10
North Carolina	41,804	-	277.33	8.7	2,299.00
North Dakota	17,293	-	482.83	12.0	5,502.30

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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: 2019 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	185,858	-	381.93	13.8	5,144.30
Oklahoma	68,289	-	402.16	14.7	5,583.00
Oregon	119,237	-	428.94	15.0	6,124.70
Pennsylvania	397,137	-	409.99	14.9	5,606.60
Puerto Rico	29,489	-	164.13	16.6	2,339.20
Rhode Island	28,554	-	379.36	14.7	5,310.40
South Carolina	35,424	-	264.58	12.2	3,235.00
South Dakota	4,820	-	348.55	13.7	4,634.50
Tennessee	45,509	-	245.76	12.9	3,061.30
Texas	559,286	-	427.19	14.5	5,850.60
Utah	33,698	-	429.63	12.0	5,013.20
Vermont	13,026	-	387.12	13.2	4,672.70
Virgin Islands	1,942	-	394.97	16.7	6,312.00
Virginia	60,404	-	321.91	10.9	3,373.90
Washington	249,985	-	491.61	16.9	7,716.60
West Virginia	50,534	-	336.87	14.1	4,443.00
Wisconsin	84,190	-	328.64	12.1	3,620.30
Wyoming	13,250	-	410.23	12.6	4,889.90

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 2019"

<<http://www.ows.doleta.gov/unemploy/content/data.asp>> accessed April 27, 2020.

**Table 12.11-- CHARACTERISTICS OF THE INSURED UNEMPLOYED:
ANNUAL AVERAGE, 2019**

[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/	0.0
Under 22 years	1.3	Information not available	13.4
22 to 24 years	3.1	Occupation	
25 to 34 years	21.2	Management	7.6
35 to 44 years	24.3	Business/financial operations	2.5
45 to 54 years	21.9	Computer/mathematical	1.3
55 to 64 years	20.3	Architecture/engineering	0.7
65 years and over	7.9	Life/physical/social science	0.7
Sex		Community/social services	1.0
Male	68.6	Legal	0.3
Female	31.4	Education/training/library	2.0
Duration		Arts/entertainment/sports	3.1
1 to 4 weeks	42.9	Healthcare practitioner/technical	1.3
5 to 14 weeks	35.8	Healthcare support	1.2
15 weeks and over	21.2	Protective service	0.8
Industry		Food preparation/serving	7.2
Government - state	2.4	Building/grounds maintenance	2.2
Government - county	0.4	Personal care/service	1.5
Agriculture/forestry/fishing	1.5	Sales related	4.4
Mining 1/	0.0	Office/administrative support	8.5
Utilities	0.1	Farming/fishing/forestry	1.5
Construction	36.7	Construction/extraction	39.2
Manufacturing	0.9	Installation/maintenance/repair	3.4
Wholesale trade	1.4	Production	1.8
Retail trade	2.8	Transportation/material moving	3.6
Transportation/warehousing	3.3	Information not available	4.1
Information	2.9	Race	
Finance/insurance	0.9	American Indian	0.7
Real estate/rental/leasing	1.4	Chinese	2.4
Professional/technical services	3.3	Filipino	18.8
Management of companies	0.2	Japanese	8.0
Administrative/waste services	10.9	Other Asians	2.5
Educational services	1.1	Black	1.6
Health care/social assistance	4.0	Hawaiian	26.1
Arts/entertainment/recreation	1.1	Other Pacific Islander	6.1
Accommodation/food services	9.4	White & Latino	21.3
Other services	1.8	Others	12.4
		Information not available	0.0

1/ An industry may have claimants in one or more months in 2019 and yet round to 0.0 percent of total, e.g. 'Mining' ranged between 1 and 3 claimants over the 12 months for an average of 2 and 0.0 percent and 'Public administration' ranged between 0 and 5 claimants over the 12 months for an average of 3 and 0.0 percent.

Source: Hawaii State Department of Labor & Industrial Relations "Characteristics of the Insured Unemployed in Hawaii - 2019" <<http://labor.hawaii.gov/rs/home/unemployment/characteristics-of-the-insured-unemployed/>> accessed July 3, 2020.

**Table 12.12-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGE,
1990 TO 2019**

[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 1/	544,100	413,400	50,250	23,950	56,350
1995 1/	540,200	409,850	49,550	24,450	56,100
1996 1/	538,300	406,250	50,850	24,350	56,350
1997 1/	539,000	405,250	51,950	24,300	57,250
1998 1/	539,050	402,600	52,700	24,900	58,800
1999 1/	543,100	402,800	53,750	25,800	60,550
2000 1/	559,800	413,200	56,400	26,950	62,750
2001 1/	562,950	413,950	57,850	26,750	64,450
2002 1/	564,650	413,800	58,850	27,250	64,600
2003 1/	575,450	420,550	60,700	28,350	65,600
2004 1/	591,500	430,600	63,050	29,300	68,350
2005 1/	609,400	443,250	65,550	29,900	70,550
2006 1/	624,950	452,050	68,500	30,950	73,100
2007 1/	632,350	455,350	70,100	31,800	75,100
2008 1/	626,450	452,550	68,800	31,300	73,750
2009 1/	598,700	436,800	64,650	28,950	68,350
2010 1/	594,300	434,050	63,850	28,950	67,050
2011 1/ 2/	601,700	(NA)	(NA)	(NA)	(NA)
2012 1/ 2/	614,200	(NA)	(NA)	(NA)	(NA)
2013 1/ 2/	626,400	(NA)	(NA)	(NA)	(NA)
2014 1/ 2/	635,500	(NA)	(NA)	(NA)	(NA)
2015 1/ 2/	645,500	(NA)	(NA)	(NA)	(NA)
2016 1/ 2/	653,600	(NA)	(NA)	(NA)	(NA)
2017 1/ 2/	661,000	(NA)	(NA)	(NA)	(NA)
2018 1/ 2/ 3/	664,600	(NA)	(NA)	(NA)	(NA)
2019 1/ 2/ 3/	660,200	(NA)	(NA)	(NA)	(NA)

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**Table 12.12-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGE,
1990 TO 2019 -- Con.**

NA Not available.

1/ 1994 and 1995 Honolulu, 1995 Maui, 1996 to 2010 State and counties, and 2011 to 2018 State revised from previous *Data Book*.

2/ Department of Labor & Industrial Relations (DLIR) discontinued estimates of Agriculture jobs in December 2011 and deleted monthly and 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 those shown here. DBEDT estimates here and other DBEDT reports for 2011 and beyond are based on National Agricultural Statistics Service survey data.

3/ Data were benchmarked by DLIR in March 2020.

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 July 10, 2020; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed November 16, 2019. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 3rd Quarter 2020* <http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2020q3.pdf> forthcoming.

**Table 12.13-- JOBCOUNT, BY NAICS INDUSTRY: ANNUAL AVERAGE,
2015 TO 2019**

[Data rounded to nearest 100. Totals may not add due to rounding or residual categories.
Data according to the North American Industry Classification System. 2015 to 2018 revised]

Industry	2015	2016	2017	2018 1/	2019 1/
Total wage & salary 2/	645,500	653,600	661,000	664,600	660,200
Nonagriculture, wage & salary 2/	639,000	647,600	655,000	658,300	655,700
Natural resources, mining, constr.	35,800	38,900	37,100	37,300	37,200
Manufacturing	14,400	14,500	14,700	14,500	14,000
Durable goods	3,700	3,800	3,900	3,800	3,800
Non-durable goods	10,600	10,700	10,800	10,700	10,300
Trade, transportation & utilities	120,600	121,300	123,000	124,500	123,500
Wholesale trade	18,300	18,200	18,300	18,300	18,200
Retail trade	71,200	71,100	71,700	72,400	71,100
Transportation, warehousing & util.	31,100	32,000	33,000	33,700	34,200
Utilities	3,800	3,800	3,800	3,800	3,700
Transportation & warehousing	27,300	28,200	29,200	29,900	30,500
Air transportation	8,700	9,000	9,500	9,800	10,100
Information	8,800	8,900	9,100	9,300	8,700
Telecommunications	4,000	4,000	3,900	3,800	3,600
Financial activities	28,800	29,200	29,400	29,600	29,900
Finance & insurance	16,200	16,300	16,300	16,200	16,600
Real estate, rental, leasing	12,500	12,900	13,200	13,400	13,300
Professional & business services	75,000	74,000	74,000	74,300	74,100
Education & health services	83,500	84,600	86,400	87,200	87,200
Education services	15,000	14,600	14,600	14,600	14,200
Health care & social assistance	68,500	70,000	71,800	72,600	73,000
Ambulatory health care services	28,600	29,100	30,000	30,500	30,600
Hospitals	15,500	15,800	16,400	16,900	16,800
Nursing & residential care fac.	8,300	8,500	8,500	8,400	8,500
Social assistance	16,200	16,600	16,800	16,900	17,100
Leisure and hospitality	118,300	122,300	127,100	127,300	126,500
Arts, entertainment & recreation	12,500	12,900	13,500	13,900	13,700
Accommodation & food services	105,800	109,500	113,700	113,500	112,800
Accommodation	40,100	41,200	42,500	43,000	42,600
Food services and drinking places	65,700	68,300	71,200	70,500	70,200
Full-service restaurants	35,700	37,400	39,300	38,900	38,700
Other services	27,400	27,900	28,600	28,700	28,300
Government	126,400	126,000	125,500	125,600	126,300
Federal	33,100	33,200	33,400	33,700	34,300
Department of Defense	18,100	(3/)	(3/)	(3/)	(3/)
State	74,500	73,900	73,200	73,000	72,900
Education (DOE & UH)	50,100	49,700	50,100	50,100	50,600
Local	18,900	19,000	19,000	18,900	19,100
Agriculture 2/	6,500	6,000	6,000	6,300	4,500

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**Table 12.13-- JOBCOUNT, BY NAICS INDUSTRY: ANNUAL AVERAGE,
2015 TO 2019 -- Con.**

1/ Hawaii State Department of Labor and Industrial Relations (DLIR) benchmarked data in March 2020.

2/ DLIR discontinued estimates in December 2011. DBEDT preliminary estimates are based on National Agricultural Statistics Service, Hawaii Field Office (NASS- HFO)

<http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Archive/> accessed May 23, 2018.

3/ DLIR discontinued estimates.

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 July 10, 2020; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed November 16, 2019. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2020* <http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2020q2.pdf>.

Table 12.14-- EMPLOYMENT BY NAICS INDUSTRY: 2017 AND 2018

[Based on the North American Industry Classification System]

Industry	Number		Percent	
	2017	2018	2017	2018
Employed civilian population 16 years and over	680,505	684,905	100.0	100.0
Agriculture, forestry, fishing and hunting, and mining	12,103	8,883	1.8	1.3
Construction	49,227	49,841	7.2	7.3
Manufacturing	20,916	20,416	3.1	3.0
Wholesale trade	16,055	12,105	2.4	1.8
Retail trade	76,789	76,567	11.3	11.2
Transportation and warehousing, and utilities	36,663	45,346	5.4	6.6
Information	10,342	9,269	1.5	1.4
Finance, insurance, real estate, & rental & leasing	43,936	43,922	6.5	6.4
Professional, scientific, management, administrative, and waste management services	68,890	70,481	10.1	10.3
Educational, health and social services	137,422	145,225	20.2	21.2
Arts, entertainment, recreation, accommodation and food services	117,563	115,570	17.3	16.9
Other services (except public administration)	29,311	29,691	4.3	4.3
Public administration	61,288	57,589	9.0	8.4

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, "DP-03 Selected Economic Characteristics: Hawaii" (annual) <<http://data.census.gov/>> accessed July 11, 2020.

**Table 12.15-- EMPLOYMENT BY THE 25 LARGEST PRIVATE EMPLOYERS:
2018 AND 2019**

[As of December 31, unless otherwise indicated. Ranked according to number of employees in 2019]

Employer	Year estab. in Hawaii	2018		2019	
		Rank	Employ- ees	Rank	Employ- ees
The Queen's Health Systems 1/	1985	1	7,038	1	7,479
Hawaii Pacific Health	2001	2	6,984	2	7,273
Hawaiian Electric Industries Inc.	1981	4	2,704	3	3,841
Kamehameha Schools	1887	3	3,870	4	3,758
Hawaii Health Systems Corp. 2/	1996	5	2,525	5	2,553
Kaiser Foundation Health Plan	1958	7	2,467	6	2,477
Securitas Security Services USA Inc.	1961	6	2,482	7	2,302
Bank of Hawaii Corp.	1897	8	2,048	8	2,083
Oahu Transit Services Inc.	1992	9	2,015	9	2,026
First Hawaiian Bank	1858	10	1,928	10	1,991
Aulani, A Disney Resort & Spa	2011	12	1,800	11	1,800
Polynesian Cultural Center	1963	13	1,483	12	1,500
Prince Resorts Hawaii Inc.	1999	(3/)	(3/)	13	1,495
Hawaiian Telcom	1983	17	1,200	14	1,115
Adventist Health Castle	1963	20	1,103	15	1,054
Grand Hyatt Kauai Resort & Spa	1990	22	927	16	906
Central Pacific Bank	1954	(3/)	(3/)	17	851
Four Seasons Resort Lanai	1991	(3/)	(3/)	18	850
Kamaaina Care Inc. dba Kamaaina Kids	1987	(3/)	(3/)	19	782
Nan Inc.	1990	(3/)	(3/)	20	736
Fairmont Orchid, Hawaii	1990	(3/)	(3/)	21	700
Bayer U.S. - Crop Science	1967	(3/)	(3/)	22	681
Waianae Coast Comprehensive Health Center	1972	(3/)	(3/)	23	674
Ritz-Carlton, Kapalua	1994	(3/)	(3/)	24	640
Pasha Hawaii	1999	(3/)	(3/)	25	465
Hawaii Medical Service Association	1938	11	1,865	(3/)	(3/)
Aqua-Aston Hospitality	1948	14	1,428	(3/)	(3/)
Spectrum	1969	15	1,300	(3/)	(3/)
Four Seasons Resort Hualalai	1996	15	1,300	(3/)	(3/)
American Savings Bank	1925	18	1,162	(3/)	(3/)
Servco Pacific Inc.	1919	19	1,115	(3/)	(3/)
Four Seasons Resort Maui at Wailea	1990	21	950	(3/)	(3/)
Kuakini Health System	1900	23	916	(3/)	(3/)
Halekulani Corp.	1980	24	845	(3/)	(3/)
Hawaiian Dredging Construction Co. Inc.	1902	25	795	(3/)	(3/)

1/ Queen's Medical Center established 1859.

2/ On a fiscal year basis for 2018.

3/ Not ranked in year shown.

Source: *Pacific Business News*, "The List Employers - Statewide, Ranked by Number of Employees 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; and Ibid. "As of December 31, 2019" (July 3, 2020), page 17 <https://www.bizjournals.com/pacific/digital-edition?issue_id=14716> accessed July 6, 2020.

**Table 12.16-- JOBCOUNT BY NAICS INDUSTRY, BY COUNTY:
ANNUAL AVERAGE, 2019**

[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/	660,200	(1/)	(1/)	(1/)	(1/)
Nonagriculture, wage & salary	655,700	471,800	70,700	33,200	80,200
Natural resources, mining, construction	37,200	27,000	3,800	2,100	4,300
Manufacturing	14,000	11,000	1,300	500	1,200
Durable goods	3,800	3,000	300	100	400
Non-durable goods	10,300	7,900	1,100	400	800
Trade, transportation & utilities	123,500	86,200	14,900	6,200	16,200
Wholesale trade	18,200	14,400	1,800	500	1,600
Retail trade	71,100	47,400	9,700	4,000	9,900
Transportation, warehousing & util.	34,200	24,400	3,500	1,700	4,700
Utilities	3,700	(NA)	(NA)	(NA)	(NA)
Transportation & warehousing	30,500	21,900	(NA)	(NA)	(NA)
Air transportation	10,100	8,300	800	300	700
Information	8,700	7,400	600	200	600
Telecommunications	3,600	3,000	300	100	(NA)
Financial activities	29,900	23,000	2,700	1,200	3,100
Finance & insurance	16,600	14,100	1,300	400	800
Real estate, rental, leasing	13,300	8,900	(NA)	(NA)	(NA)
Professional & business services	74,100	57,200	6,600	3,100	7,300
Education & health services	87,200	65,500	9,200	3,100	9,300
Education services	14,200	11,400	1,300	200	1,200
Health care & social assistance	73,000	54,100	7,900	2,900	8,100
Ambulatory health care services	30,600	22,100	(NA)	(NA)	(NA)
Hospitals	16,800	14,200	(NA)	(NA)	(NA)
Nursing & residential care facilities	8,500	(NA)	(NA)	(NA)	(NA)
Social assistance	17,100	(NA)	(NA)	(NA)	(NA)
Leisure and hospitality	126,500	75,800	14,400	10,500	25,600
Arts, entertainment & recreation 2/	13,700	8,500	1,600	1,200	2,300
Accommodation & food services	112,800	67,300	12,800	9,300	23,300
Accommodation	42,600	19,100	5,800	4,700	12,900
Food services and drinking places	70,200	48,200	6,900	4,600	10,400
Full-service restaurants	38,700	24,300	4,200	3,000	7,100
Other services	28,300	21,700	2,200	1,100	3,400
Government	126,300	97,200	15,000	5,100	9,200
Federal	34,300	31,700	1,300	600	900
State	72,900	53,100	11,000	3,200	5,600
Education (DOE & UH)	50,600	36,900	7,300	2,100	4,300
Local	19,100	12,400	2,700	1,300	2,700
Agriculture 1/	4,500	(1/)	(1/)	(1/)	(1/)

Continued on next page.

**Table 12.16-- JOBCOUNT BY NAICS INDUSTRY, BY COUNTY:
ANNUAL AVERAGE, 2019-- Con.**

NA Not available.

1/ DLIR discontinued estimates of Agriculture jobs in December 2010. DBEDT preliminary estimates are based on National Agricultural Statistics Service survey data.

2/ DLIR no longer provides Hawaii, Kauai, and Maui county detail. DBEDT calculates as residual.

Source: Hawaii State Department of Labor and Industrial Relations, Job Count by Industry - Not Seasonally Adjusted Data, Historical Series <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed July 10, 2020; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed November 16, 2019. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2020* <http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2020q2.pdf>

Table 12.17-- OCCUPATION: 2016 TO 2018

[Based on the North American Industry Classification System]

Occupation	Number			Percent		
	2016	2017	2018	2016	2017	2018
Civilian employed population 16 years & over	686,487	680,505	684,905	100.0	100.0	100.0
Management, business, science, & arts	230,324	231,746	234,304	33.6	34.1	34.2
Service	159,197	162,314	166,631	23.2	23.9	24.3
Sales and office	168,812	167,880	150,740	24.6	24.7	22.0
Natural resources, construction, and maintenance	67,154	65,229	63,152	9.8	9.6	9.2
Production, transportation, and material moving	61,000	53,336	70,078	8.9	7.8	10.2

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, "DP-03 Selected Economic Characteristics: Hawaii" (annual) <<http://data.census.gov/>> accessed July 11, 2020.

**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 2018

[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	
2018	684,905	446,852	135,441	48,563	

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) <<https://data.census.gov/cedsci/>> accessed July 11, 2020.

Table 12.21-- FULL- AND PART-TIME EMPLOYMENT, BY TYPE AND BY STATUS: 1969 TO 2018

[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, 2011 to 2016 on the 2012 NAICS, and 2017 forward on the 2017 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 2018 -- Con.

Year	Total	By type		By status	
		Wage and salary	Proprietors	Civilian	Military 1/
1998	738,175	606,429	131,746	683,316	54,859
1999	738,111	607,879	130,232	685,032	53,079
2000	749,439	624,169	125,270	696,943	52,496
2001	752,548	628,046	124,502	698,896	53,652
2002	757,721	631,037	126,684	704,802	52,919
2003	773,638	642,343	131,295	720,847	52,791
2004	797,263	657,931	139,332	743,505	53,758
2005	819,997	674,135	145,862	766,978	53,019
2006	842,413	690,321	152,092	788,050	54,363
2007	864,625	698,292	166,333	810,110	54,515
2008	858,402	692,977	165,425	802,355	56,047
2009	829,897	664,720	165,177	774,234	55,663
2010	824,460	661,142	163,318	768,223	56,237
2011	835,012	668,971	166,041	777,925	57,087
2012	849,156	680,842	168,314	791,700	57,456
2013	868,122	693,539	174,583	810,765	57,357
2014 2/	882,732	702,829	179,903	825,585	57,147
2015 2/	901,206	715,102	186,104	843,013	58,193
2016 2/	913,190	722,234	190,956	856,685	56,505
2017	920,376	727,706	192,670	865,274	55,102
2018	931,153	732,413	198,740	875,936	55,217

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 2019) <<https://www.bea.gov/resources/methodologies/spi>>.

2/ 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 24, 2019) <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed July 11, 2020. and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.22-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME:
ANNUAL AVERAGE, 2014 TO 2018**

[Number in thousands]

Year and population group	2014	2015	2016	2017	2018
Total					
Full- and part-time	642	653	665	667	661
Full-time total	526	528	551	545	546
Full-time not at work	17	16	17	19	23
Part-time total	116	125	114	122	115
Economic reasons	27	26	19	13	12
Non- economic reasons	83	94	89	101	94
Not at work	6	6	6	9	8
Men					
Full- and part-time	338	341	351	348	340
Full-time total	287	290	309	296	292
Full-time not at work	8	7	9	10	12
Part-time total	51	51	42	52	48
Economic reasons	14	13	8	7	7
Non- economic reasons	34	35	32	42	38
Not at work	3	3	2	3	3
Women					
Full- and part-time	304	312	313	320	321
Full-time total	239	238	241	250	254
Full-time not at work	9	9	8	9	11
Part-time total	65	74	72	70	67
Economic reasons	13	12	11	6	6
Non- economic reasons	49	59	57	59	57
Not at work	4	3	4	5	5
16 to 19 years (both sexes)					
Full- and part-time	18	21	19	18	19
Full-time total	7	7	6	6	7
Full-time not at work	(1/)	(1/)	(1/)	(1/)	(1/)
Part-time total	11	14	13	12	12
Economic reasons	2	2	1	1	1
Non- economic reasons	8	11	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 June 3, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.23-- OCCUPATION OF EMPLOYED CIVILIANS, BY SEX:
ANNUAL AVERAGE, 2017 AND 2018**

Occupation	Both sexes	Men	Women
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
2018			
All occupations (in thousands)	661	339	321
Percent	100.0	100.0	100.0
Management, professional, and related	39.1	35.9	42.4
Management, business, and financial operations	16.9	16.9	16.9
Professional and related	22.2	19.0	25.5
Service	22.1	21.3	22.9
Sales and office	22.1	14.5	30.2
Sales and related	9.8	7.7	12.0
Office and administrative support	12.3	6.8	18.2
Natural resources, construction, and maintenance	8.6	15.8	1.1
Farming, fishing, and forestry	0.7	1.1	0.3
Construction and extraction	5.8	10.9	0.4
Installation, maintenance, and repair	2.1	3.8	0.4
Production, transportation, and material moving	8.1	12.5	3.4
Production	2.7	4.0	1.4
Transportation and material moving	5.4	8.5	2.0

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 January 21, 2020; 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 2019

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
2019	643	45	7.1	11	5.1

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, in 2017 with Connecticut; and 2019 with Wyoming..

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: 2009 TO 2018

[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 to current 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				
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
2018	40,864	658,285	33,555,664	50,974
Total, excl. gov't				
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
2018	40,858	536,313	25,943,040	48,373
Private non-agr. 2/				
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
2018	40,366	530,652	25,727,055	10,220

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 <<https://www.hirenethawaii.com/gsipub/index.asp?docid=726>> accessed January 21, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.27-- EMPLOYMENT AND WAGES, BY COUNTY: 2017 AND 2018

[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)
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
2018 Total, including gov't				
State total 2/	40,864	658,285	33,555,664	50,974
City and County of Honolulu	27,456	476,281	25,320,704	53,163
Hawaii County	5,265	71,219	3,145,833	44,171
Maui County	5,651	78,207	3,592,917	45,941
Kauai County	2,498	32,578	1,496,210	45,927
2018 Total, excluding gov't				
State total	40,858	536,313	25,943,040	48,373
City and County of Honolulu	27,453	380,036	19,297,945	50,779
Hawaii County	5,262	58,388	2,348,701	40,226
Maui County	5,648	69,938	3,091,452	44,203
Kauai County	2,495	27,952	1,204,942	43,108

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) <<https://www.hirenethawaii.com/gsipub/index.asp?docid=726>> accessed July 4, 2020.

Table 12.28-- EMPLOYMENT AND WAGES, BY NAICS INDUSTRY: 2018

[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	40,864	658,285	33,555,664	50,974
	Government	6	121,972	7,612,623	62,413
	Federal	1	33,707	2,680,360	79,519
	State	1	69,354	3,595,158	51,838
	County	4	18,910	1,337,106	70,709
	Total, excluding government	40,858	536,313	25,943,040	48,373
11	Ag., forestry, fishing & hunting	492	5,661	215,985	38,153
21	Mining, quarrying, oil & gas extr.	12	220	20,452	92,966
22	Utilities	93	3,793	402,532	106,125
23	Construction	3,824	36,012	2,720,145	75,534
31-33	Manufacturing	1,018	14,215	665,528	46,819
311	Food manufacturing	355	6,555	224,859	34,303
323	Printing & rel. support activ.	110	731	27,468	37,576
324	Petroleum & coal products	11	507	66,045	130,267
42	Wholesale trade	2,064	17,836	1,063,885	59,648
44-45	Retail trade	4,592	71,682	2,376,582	33,155
448	Clothing & clothing access.	1,145	11,275	312,409	27,708
48-49	Trans. & warehousing	1,066	29,680	1,648,691	55,549
487	Scenic & sightseeing trans.	248	4,578	171,541	37,471
51	Information	741	9,147	635,230	69,447
52	Finance and insurance	1,659	15,580	1,183,021	75,932
53	Real estate, rental & leasing	2,072	12,799	720,189	56,269
54	Prof. and tech. services	4,861	24,820	1,882,633	75,851
55	Mgt of companies & enterprises	474	8,940	807,689	90,346
56	Admin. and waste services	2,752	49,082	1,795,156	36,575
61	Educational services	792	14,317	569,087	39,749
62	Health care and soc. assist.	4,126	71,249	3,984,270	55,920
621	Amb. health care services	3,014	29,553	1,917,402	64,880
622	Hospitals	19	16,841	1,314,659	78,063
623	Nursing and resid. care fac.	171	8,364	324,510	38,798
624	Social assistance	922	16,492	427,699	25,934
71	Arts, entertain., and recrea.	693	13,030	404,691	31,058
72	Accom. and food services	4,169	110,839	3,808,745	34,363
721	Accommodation	454	41,990	2,117,250	50,423
722	Food services & drinking places	3,715	68,850	1,691,495	24,568
81	Other serv., exc. public adm.	4,032	26,638	983,465	36,920
99	Unclassified	1,326	776	55,062	70,956

1/ Nonprofit employers and employers with zero employment are included.

Source: Hawaii State Department of Labor and Industrial Relations, *2018 Employment and Payrolls in Hawaii* (October 2019) <<https://www.hirenethawaii.com/gsipub/index.asp?docid=726>> accessed January 21, 2020.

Table 12.29-- AVERAGE ANNUAL WAGE IN CURRENT AND CONSTANT DOLLARS: 1969 TO 2018

[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	2018 2/	50,974	277.078	18,397

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 2000-2018 <<https://www.hirenethawaii.com/gsipub/index.asp?docid=726>> accessed January 21, 2020; 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 / Urban Consumers (CPI-U) <<http://www.bls.gov/cpi/home.htm>> January 21, 2020; 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: 2008 AND 2018

[Workers covered by the Hawaii Employment Security Law and Unemployment Compensation for Federal Employees classified by industry. Industries classified according to the Standard Industrial Classification Code for 2008 and the North American Industrial Classification System for 2018]

Industry	2008	2018		Percent change, 2008-2018 1/	
		Current dollars	2008 dollars 2/	Current dollars	2008 dollars 2/
All industries	40,664	50,974	42,104	25.4	3.5
Federal	61,870	79,519	51,552	28.5	-16.7
State	43,269	51,838	65,681	19.8	51.8
County	52,989	70,709	42,817	33.4	-19.2
Private	38,466	48,373	58,404	25.8	51.8

1/ The Consumer Price Index-All Urban Consumers (CPI-U) Honolulu, All Items increased 21.1 percent from 2008 to 2018.

2/ Current dollars deflated by the Consumer Price Index (CPI-U) All Items for Honolulu, base shifted to 2008 = 100 or 121.068.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual) <<https://www.hirenethawaii.com/gsipub/index.asp?docid=726>> accessed January 21, 2020; 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 the Hawaii State Department of Business, Economic Development & Tourism.

Table 12.31-- REPORTING UNITS AND EMPLOYMENT, BY SIZE OF FIRM: DECEMBER 2018

[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	40,858	23,751	7,027	4,883	3,256	1,199	505	155	58	24
	Employment	544,947	36,282	46,489	66,133	97,313	82,339	75,234	53,268	38,422	49,467
City and County of Honolulu	Reporting units	27,452	16,058	4,516	3,261	2,222	863	363	106	43	20
	Employment	387,142	24,055	29,863	44,290	66,271	59,878	53,995	36,233	28,165	44,392
Hawaii County	Reporting units	5,262	3,037	957	669	397	122	54	22	4	(2/)
	Employment	58,663	4,816	6,332	9,060	11,656	8,235	7,669	7,301	3,594	(2/)
Maui County	Reporting units	5,649	3,278	1,036	657	436	151	55	24	12	(2/)
	Employment	70,870	5,100	6,918	8,796	13,033	10,146	8,363	8,749	9,765	(2/)
Kauai County	Reporting units	2,495	1,378	518	296	201	63	33	3	3	-
	Employment	28,272	2,311	3,376	3,987	6,353	4,080	5,207	985	1,973	-

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 were combined to prevent the disclosure of confidential information.

Source: Hawaii State Department of Labor and Industrial Relations, *2018 Employment and Payrolls in Hawaii* (October 2019), p. 92
<<https://www.hirenethawaii.com/gsipub/index.asp?docid=726>> accessed January 21, 2020.

**Table 12.32-- ANNUAL AVERAGE WAGES, TOTAL AND PRIVATE
INDUSTRY FOR HAWAII AND THE UNITED STATES: 1990 TO 2019**

[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	48,178	45,546	53,621	53,515	89.8	85.1	24	32
2017	49,671	47,037	55,390	55,338	89.7	85.0	24	30
2018 2/	50,977	48,376	57,266	57,198	89.0	84.6	24	33
2019	52,792	50,181	59,219	59,213	89.1	84.7	24	32

1/ Rank of 1 indicates the highest annual wages per employee. District of Columbia is included.

2/ Hawaii 2018 'Total' and 'Private' wages and U.S. 'Total' wages 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/>> QCEW Data Viewer <http://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables> accessed July 13, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 12.33-- WORKERS, EARNINGS AND HOURS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGE, 2015 TO 2019

[Number of production workers rounded to nearest 50]

Subject 1/	2015	2016	2017	2018	2019
Production workers 2/					
Natural resources, mining & construction	26,200	29,000	27,500	27,800	27,700
Manufacturing	9,900	9,900	10,200	10,200	10,300
Trade, transportation and utilities	101,700	101,500	102,900	104,800	103,800
Wholesale trade	14,300	14,600	14,000	14,400	14,600
Retail trade	59,600	58,500	59,500	61,200	60,100
Financial activities	21,200	21,500	22,200	22,700	22,000
Accommodation and food services	95,400	98,400	101,700	101,900	101,100
Food services and drinking places	58,400	60,600	62,900	62,400	61,900
Average weekly earnings (dollars)					
Natural resources, mining & construction 3/	1,302.04	1,300.99	1,440.00	1,570.83	1,604.41
Manufacturing	817.68	849.58	813.45	765.37	823.25
Trade, transportation and utilities 4/	835.59	823.97	832.66	864.96	873.46
Wholesale trade	904.26	812.31	796.22	779.65	840.62
Retail trade	553.96	606.92	603.88	635.36	629.20
Financial activities	837.72	796.84	797.18	849.39	858.55
Accommodation and food services 5/	503.43	497.49	522.48	506.23	504.64
Food services and drinking places 4/	387.06	381.13	391.17	375.95	386.25
Average weekly hours					
Natural resources, mining & construction	34.4	35.2	36.0	36.9	36.9
Manufacturing	40.6	39.7	39.7	37.1	37.1
Trade, transportation and utilities	34.5	33.7	34.0	34.0	33.3
Wholesale trade	40.1	38.7	41.6	39.9	37.9
Retail trade	31.8	32.3	31.8	32.4	32.3
Financial activities	36.0	34.6	34.6	34.5	35.0
Accommodation and food services 5/	29.1	27.7	28.0	26.7	26.8
Food services and drinking places	27.2	25.7	25.6	23.9	24.4
Average hourly earnings (dollars)					
Natural resources, mining & construction 6/	37.85	36.96	40.00	42.57	43.48
Manufacturing	20.14	21.40	20.49	20.63	22.19
Trade, transportation and utilities 4/	24.22	24.45	24.49	25.44	26.23
Wholesale trade	22.55	20.99	19.14	19.54	22.18
Retail trade	17.42	18.79	18.99	19.61	19.48
Financial activities	23.27	23.03	23.04	24.62	24.53
Accommodation and food services	17.30	17.96	18.66	18.96	18.83
Food services and drinking places 4/	14.23	14.83	15.28	15.73	15.83

1/ Data for 'Information' and 'Accommodation' are no longer available.

2/ Revised from previous *Data Book*.

3/ 2015 and 2018 revised from previous *Data Book*.

4/ 2018 revised from previous *Data Book*.

5/ 2016 revised from previous *Data Book*.

6/ 2015 revised from previous *Data Book*.

Source: Hawaii State Department of Labor and Industrial Relations, "Production Worker Hours & Earnings, All Selected Industries" <<https://www.hirenethawaii.com/gsipub/index.asp?docid=725>> accessed August 5, 2020.

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 2019

[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	24,940	15.93	33,130
35-3031	Waiters and waitresses	19,500	26.54	55,200
35-3023	Fast food and counter workers	17,070	12.71	26,440
41-2011	Cashiers	13,270	13.40	27,870
37-2012	Maids and housekeeping cleaners	13,230	18.63	38,740
37-2011	Janitors and cleaners except maids and housekeeping cleaners	11,910	16.19	33,670
29-1141	Registered nurses	11,330	50.03	104,060
43-9061	Office clerks, general	11,310	16.86	35,070
35-2014	Cooks, restaurant	11,220	17.26	35,900
43-6014	Secretaries & admin. assistants, exc. legal, medical, and executive	10,200	20.70	43,060
11-1021	General and operations managers	9,370	55.37	115,160
35-2021	Food preparation workers	9,290	14.65	30,470
43-1011	First-line supervisors of office & admin. support workers	7,600	28.39	59,050
49-9071	Maintenance and repair workers, general	7,400	23.46	48,790
53-7062	Laborers & freight, stock, & material movers, hand	7,300	18.26	37,990
41-1011	First-line supervisors of retail sales workers	6,650	22.97	47,770
25-3097	Tutors and teachers and instructors, all other	6,450	(3/)	45,350
35-1012	First-line supervisors of food preparation and serving workers	6,430	21.25	44,200
47-2031	Carpenters	6,170	36.98	76,930
25-9045	Teaching assistants, except postsecondary	6,130	(3/)	31,380
43-3031	Bookkeeping, accounting, & auditing clerks	5,970	20.62	42,900
25-2021	Elementary school teachers exc. special educ.	5,780	(3/)	63,360
13-1198	Project management specialists and business operations specialists, all other	5,140	36.91	76,780
35-9011	Dining room and cafeteria attendants and bartender helpers	5,070	18.88	39,260
47-2061	Construction laborers	5,020	28.44	59,160

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 2019 State Occupational Employment and Wage Estimates Hawaii" <http://www.bls.gov/oes/current/oes_hi.htm> accessed April 9, 2020.

**Table 12.37-- EMPLOYMENT AND WAGES OF URBAN HONOLULU
METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS:
MAY 2019**

[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	17,510	16.03	33,330
35-3023	Fast food and counter workers	12,190	12.65	26,320
35-3031	Waiters & waitresses	11,850	26.65	55,430
29-1141	Registered nurses	8,840	51.23	106,550
37-2011	Janitors & cleaners, exc. maids & housekeeping cleaners	8,830	15.88	33,040
41-2011	Cashiers	8,680	13.09	27,230
43-9061	Office clerks, general	7,950	16.97	35,290
33-9032	Security guards	7,410	16.43	34,170
43-6014	Secretaries & administrative assistants, except legal, medical, and executive	7,340	21.07	43,820
37-2012	Maids and housekeeping cleaners	7,240	19.58	40,720
35-2014	Cooks, restaurant	6,990	16.08	33,450
43-4051	Customer service representatives	6,780	18.91	39,330
11-1021	General and operations managers	6,650	57.78	120,190
35-2021	Food preparation workers	6,520	14.09	29,310
53-7062	Laborers & freight, stock, & material movers, hand	5,610	18.33	38,130
43-1011	First-line supervisors of office & admin. support workers	5,440	29.31	60,970
25-3097	Tutors and teachers and instructors, all other	5,100	(3/)	46,620
53-7065	Stockers and order fillers	4,960	15.60	32,450
13-1198	Project management specialists and business operations specialists, all other	4,720	37.22	77,410
25-9045	Teaching assistants, except postsecondary	4,570	(3/)	30,840
49-9071	Maintenance & repair workers, general	4,460	23.46	48,790
43-3031	Bookkeeping, accounting, & auditing clerks	4,360	20.85	43,370
47-2031	Carpenters	4,360	37.81	78,650
41-1011	First-line supervisors of retail sales workers	4,340	23.61	49,120
35-1012	First-line supervisors of food preparation and serving workers	4,330	20.55	42,740

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 2019 Metropolitan Area Occupational Employment and Wage Estimates Urban Honolulu, HI MSA"

<http://www.bls.gov/oes/current/oes_46520.htm> accessed April 9, 2020.

**Table 12.38-- EMPLOYMENT AND WAGES OF KAHULUI-WAILUKU-LAHAINA
METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS:
MAY 2019**

[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	4,100	27.19	56,560
41-2031	Retail salespersons	3,620	14.54	30,250
37-2012	Maids and housekeeping cleaners	3,210	18.26	37,980
35-3023	Fast food and counter workers	2,180	13.40	27,870
41-2011	Cashiers	2,160	14.63	30,430
35-2014	Cooks, restaurant	1,980	20.58	42,810
37-3011	Landscaping & groundskeeping workers	1,650	17.83	37,100
49-9071	Maintenance & repair workers, general	1,470	24.12	50,160
43-9061	Office clerks, general	1,330	16.68	34,690
37-2011	Janitors & cleaners, exc. maids & housekeeping cleaners	1,280	17.84	37,100
53-7065	Stockers and order fillers	1,140	16.09	33,460
11-1021	General and operations managers	1,110	53.14	110,540
43-6014	Secretaries & administrative assistants, except legal, medical, and executive	1,100	21.03	43,730
35-9011	Dining room & cafeteria attendants & bartender helpers	1,090	19.05	39,620
35-2021	Food preparation workers	1,070	17.15	35,680
41-1011	First-line supervisors of retail sales workers	1,010	23.67	49,230
35-1012	First-line supervisors of food prep. & serving workers	980	26.59	55,310
43-1011	First-line supervisors of office & admin. support workers	870	26.50	55,130
47-2031	Carpenters	820	33.21	69,080
35-3011	Bartenders	810	29.52	61,410
35-9021	Dishwashers	750	15.97	33,220
43-3031	Bookkeeping, accounting, & auditing clerks	690	20.27	42,170
43-4081	Hotel, motel, and resort desk clerks	650	21.18	44,050
39-3091	Amusement and recreation attendants	640	16.86	35,060
53-7062	Laborers & freight, stock, & material movers, hand	640	18.39	38,260

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.

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics, "May 2019 Metropolitan Area Occupational Employment and Wage Estimates Kahului-Wailuku-Lahaina, HI MSA"

<http://www.bls.gov/oes/current/oes_27980.htm> accessed April 9, 2020.

**Table 12.39-- EMPLOYMENT AND WAGES OF HAWAII- KAUAI NONMETRO-
POLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: MAY 2019**

[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	3,810	16.80	34,950
35-3031	Waiters and waitresses	3,550	25.41	52,850
37-2012	Maids and housekeeping cleaners	2,780	16.57	34,460
35-3023	Fast food and counter workers	2,710	12.42	25,820
41-2011	Cashiers	2,430	13.40	27,880
35-2014	Cooks, restaurant	2,240	17.99	37,430
37-3011	Landscaping and groundskeeping workers	2,210	18.37	38,210
43-9061	Office clerks, general	2,030	16.57	34,460
53-7065	Stock clerks and order fillers	1,900	14.93	31,060
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	1,800	16.51	34,340
43-6014	Secretaries and administrative assistants, except legal, medical, and executive	1,750	18.98	39,480
35-2021	Food preparation workers	1,700	15.21	31,640
11-1021	General and operations managers	1,600	46.88	97,520
49-9071	Maintenance and repair workers, general	1,470	22.79	47,390
41-1011	First-line supervisors of retail sales workers	1,300	20.25	42,130
43-1011	First-line supervisors of office and administrative support workers	1,280	25.77	53,600
43-4051	Customer service representatives	1,180	18.05	37,540
35-9011	Dining room & cafeteria attendants & bartender helpers	1,130	17.61	36,640
35-1012	First-line supervisors of food prep. & serving workers	1,120	19.27	40,080
47-2061	Construction laborers	1,120	27.24	56,660
53-7062	Laborers and freight, stock, and material movers, hand	1,050	17.82	37,070
25-9045	Teaching assistants, except postsecondary	1,030	(3/)	33,790
47-2031	Carpenters	1,000	36.47	75,850
25-2021	Elementary school teachers, except special education	940	(3/)	63,310
43-3031	Bookkeeping, accounting, and auditing clerks	930	19.83	41,250

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/ Wages for some occupations that do not generally work year-round, full time, are reported either as hourly wages or annual salaries depending on how they are typically paid.

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics, "May 2019 Nonmetropolitan Area Occupational Employment and Wage Estimates, Hawaii-Kauai Nonmetropolitan Area"
<http://www.bls.gov/oes/current/oes_1500001.htm> accessed April 9, 2020.

**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 16, 2020;
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, 2020

[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	10.19	Nevada 2/	9.00/8.00
Arizona	12.00	New Hampshire	7.25
Arkansas	10.00	New Jersey	11.00
California	12.00	New Mexico	9.00
Colorado	12.00	New York	11.80
Connecticut	11.00	North Carolina	7.25
Delaware	9.25	North Dakota	7.25
Florida	8.56	Ohio	8.70
Georgia	7.25	Oklahoma	7.25
Hawaii	10.10	Oregon	12.00
Idaho	7.25	Pennsylvania	7.25
Illinois	10.00	Rhode Island	10.50
Indiana	7.25	South Carolina	(1/)
Iowa	7.25	South Dakota	9.30
Kansas	7.25	Tennessee	(1/)
Kentucky	7.25	Texas	7.25
Louisiana	(1/)	Utah	7.25
Maine	12.00	Vermont	10.96
Maryland	11.00	Virginia	7.25
Massachusetts	12.75	Washington	13.50
Michigan	9.65	West Virginia	8.75
Minnesota	10.00	Wisconsin	7.25
Mississippi	(1/)	Wyoming	7.25
Missouri	9.45	Dist. of Columbia	15.00
Montana	8.65		

1/ No minimum wage required under state laws.

2/ On July 1, 2020, the minimum wage for employees without health insurance will increase to \$9.00 and those with health insurance to \$8.00.

Source: U. S. Department of Labor, Wage and Hour Division (WHD), "Consolidated Minimum Wage Table - July 1, 2020" <<http://www.dol.gov/whd/minwage/america.htm>> accessed July 15, 2020.

**Table 12.43-- FEDERAL MINIMUM WAGE WORKERS, ANNUAL AVERAGE:
TOTAL, 2003 TO 2019, 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. Based on a sample and subject to sampling variability. 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)
2019	351	4	-	4	1.2	0.1	1.1	(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 2019, 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 July 16, 2020.

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 2018**

[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
2018	629	32	76	49	28	317	38	90	38.2	41.8

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* accessed July 5, 2018; Ibid. *2018* <<https://www.bls.gov/opub/geographic-profile/home.htm>> accessed January 21, 2020; and earlier reports.

**Table 12.46-- INTERSTATE MOVEMENT OF JOB-SEEKERS PARTICIPATING
IN THE UNEMPLOYMENT INSURANCE PROGRAM: 1949 TO 2019**

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	1985	4,039	3,993	99
1950	966	1,105	114	1986	3,664	3,932	107
1951	377	1,139	302	1987	3,805	3,161	83
1952	455	1,667	366	1988	3,942	2,974	75
1953	576	1,775	308	1989	3,961	2,679	68
1954	907	1,698	187	1990	5,275	2,910	55
1955	665	1,812	272	1991	7,197	3,453	48
1956	686	1,617	236	1992	9,554	4,432	46
1957	1,100	1,813	165	1993	9,543	4,356	46
1958	1,547	2,219	143	1994	10,121	4,229	42
1959	1,280	2,126	166	1995	10,115	4,000	40
1960	1,716	2,595	151	1996	8,633	3,338	39
1961	2,863	3,235	113	1997	7,051	2,356	33
1962	2,966	3,594	121	1998	4,366	2,720	62
1963	2,683	3,787	141	1999	3,511	2,572	73
1964	2,572	3,705	144	2000	2,845	2,910	102
1965	2,257	3,411	151	2001	3,423	3,611	105
1966	1,859	2,655	143	2002	3,223	4,325	134
1967	2,196	3,102	141	2003	2,826	4,247	150
1968	2,014	2,896	144	2004	2,359	3,209	136
1969	2,652	3,600	136	2005	2,399	2,680	112
1970	5,078	6,062	119	2006	2,731	2,273	83
1971	6,215	6,908	111	2007	3,028	2,163	71
1972	6,124	5,994	98	2008	3,986	2,559	64
1973	5,255	6,116	116	2009	4,072	3,842	94
1974	5,924	6,988	118	2010	3,214	3,478	108
1975	7,607	8,785	115	2011	3,148	3,384	107
1976	7,458	8,334	112	2012	3,001	2,896	97
1977	5,846	8,154	139	2013	3,187	2,608	82
1978	4,313	6,261	145	2014	3,316	2,054	62
1979	4,272	5,250	123	2015	3,060	1,742	57
1980	5,211	4,956	95	2016	3,038	1,514	50
1981	5,485	4,396	80	2017	2,691	1,378	51
1982	5,372	4,848	90	2018 4/	2,451	1,270	52
1983	4,414	4,659	106	2019	2,648	1,264	48
1984	4,123	4,220	102				

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.

4/ 'Mainland workers in Hawaii' revised from previous *Data Book*.

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 2018**

[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
2018	13.4	3.3	3/ 8.2	3/ 2.0	5.2

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 February 12, 2020 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.48-- FATAL OCCUPATIONAL INJURIES BY EVENT OR EXPOSURE: 2012 TO 2018

[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/	2012	2013	2014	2015	2016	2017	2018
Total	20	11	31	18	29	20	22
Violence & other injuries by persons or animals 2/	4	(3/)	4	5	(3/)	3	5
Transportation incidents 4/	3	4	14	6	20	10	5
Fires and explosions	(3/)	(3/)	(3/)	(3/)	(3/)	(3/)	(3/)
Falls, slips, trips	8	4	7	3	5	5	5
Exposure to harmful substances or environ.	(3/)	2	(3/)	3	(3/)	(3/)	4
Contact with objects and equipment	4	(3/)	3	(3/)	1	(3/)	3

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/oics.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: U.S. Bureau of Labor Statistics, "Census of Fatal Occupational Injuries (2011 forward)" <<https://data.bls.gov/PDQWeb/fw/>> accessed January 22, 2020; "National Census of Fatal Occupational Injuries in 2018" <<https://www.bls.gov/news.release/pdf/cfoi.pdf>> accessed January 22, 2020. See also "Fatal Work Injuries in Hawaii – 2018" (February 11, 2020) <https://www.bls.gov/regions/west/news-release/fatalworkinjuries_hawaii.htm> accessed February 11, 2020.

Table 12.49-- FATAL OCCUPATIONAL INJURIES FOR HAWAII AND THE UNITED STATES: 1992 TO 2018

[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	2007	23	5,657
1993	26	6,331	2008	19	5,214
1994	21	6,632	2009	13	4,551
1995	24	6,275	2010	19	4,690
1996	27	6,202	Revised OIICS 1/		
1997	19	6,238			
1998	12	6,055	2011	26	4,693
1999	32	6,054	2012	20	4,628
2000	20	5,920	2013	11	4,585
2001 2/	41	5,915	2014	31	4,821
2002	24	5,534	2015	18	4,836
2003	21	5,575	2016	29	5,190
2004	25	5,764	2017	20	5,147
2005	15	5,734	2018	22	5,250
2006	30	5,840			

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/oshoiics.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; Census of Fatal Occupational Injuries Summary (annual) <<https://www.bls.gov/news.release/cfoi.nr0.htm>> accessed January 22, 2020; 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 February 11, 2020.

**Table 12.50-- WORK INJURIES, DEATHS, TIME LOST AND
COMPENSATION COSTS: 1990 TO 2018**

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
2018	21,388	33	1,269,164	358,433

Source: Hawaii State Department of Labor and Industrial Relations, *Workers' Compensation Data Book* (annual) and for 1993 to 2018

<<http://labor.hawaii.gov/rs/home/work-injuries-and-illnesses/workers-compensation-data/>> accessed April 9, 2020.

Table 12.51-- UNION AFFILIATION OF EMPLOYED WAGE AND SALARY WORKERS FOR HAWAII AND THE UNITED STATES: 2000 TO 2019

[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
2019	574	135	23.5	147	25.5	141,737	14,574	10.3	16,383	11.6

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 - 2019" (USDLE-20-0108, January 22, 2020) <<https://www.bls.gov/news.release/union2.toc.htm>> accessed January 22, 2020 and earlier annual releases. See also "Access to Historical Data for the Tables of the Union Membership News Release", tables 1 and 5 <<https://www.bls.gov/cps/cpslutabs.htm>> accessed January 22, 2020.

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 2018**

[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
2018 3/	59,727	12,676	8,107	2,319	2,142	1,076	22,240	1,539	7,271	2,357

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; in 2017, 744 employees, and in 2018 , 751 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; *No. 57*, March 15, 2019; and earlier issues; for *No. 43* to current, see also <<http://labor.hawaii.gov/hlrb/find-a-report/>> accessed January 22, 2020.

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 2019

[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)
2019	-	-	-

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 11, 2020.

**Table 12.56-- WORK STOPPAGES INVOLVING 1,000 OR MORE WORKERS:
1983 TO 2019**

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)
2019	-	-	-	-

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 11, 2020.

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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; the Federal Reserve Bank of New York, and the 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 2018**

[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 4/	(NA)	(NA)	(NA)	16,794.4
2018	(NA)	(NA)	(NA)	17,642.5

NA Not available.

1/ Excludes government sugar support payments.

2/ Fiscal year ending September 30.

3/ Direct visitor expenditures in Hawaii, exclusive of transpacific transportation. Includes additional business expenditures by MCI (meetings, conventions, and incentive) visitors. As first shown in *Data Book 2002*, 1998 implemented a revised methodology for visitor expenditures.

4/ Visitor expenditures revised from previous *Data Book*.

Source: USDA, NASS, Hawaii Field Office, *Statistics of Hawaii Agriculture* (annual), records, and for 2008 to 2011 <http://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/index.asp> accessed July 30, 2013; Hawaii Tourism Authority, Tourism Research, *Annual Visitor Research Report* (annual) continues report published by the Hawaii Visitors' Bureau, the Hawaii Visitors & Convention Bureau, and the Hawaii State Department of Business, Economic Development & Tourism, and available 1999 to current <<https://www.hawaiiitourismauthority.org/research/annual-visitor-research-reports/>> accessed January 21, 2020 and records; 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 2019**

[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 2014 to 2018 and population and per capita estimates 2011 to 2018 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 2019 -- 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	51,099	52,257	1,379,329
2012	73,583	73,583	52,755	52,755	1,394,804
2013	75,788	74,278	53,818	52,745	1,408,243
2014	77,854	74,529	55,039	52,688	1,414,538
2015	82,710	77,185	58,162	54,277	1,422,052
2016	85,844	78,905	60,133	55,273	1,427,559
2017	89,429	80,716	62,784	56,667	1,424,393
2018	93,798	82,652	66,027	58,181	1,420,593
2019	97,282	83,509	68,708	58,981	1,415,872

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 2019. 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 2019.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by State (April 7, 2020) <<https://apps.bea.gov/iTable/iTable.cfm?acrdn=6&isuri=1&reqid=70&step=1#reqid=70&step=1&isuri=1>> accessed July 13, 2020; Ibid. SAINC1 Personal Income Summary: Personal Income, Population, Per Capita Personal Income" (March 24, 2020) <<https://apps.bea.gov/iTable/iTable.cfm?acrdn=6&isuri=1&reqid=70&step=1#reqid=70&step=1&isuri=1>> accessed July 13, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.03-- GROSS DOMESTIC PRODUCT, HAWAII AND THE UNITED STATES: 1963 TO 2019

[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 2019. 2014 to 2018 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

Continued on next page.

Table 13.03-- GROSS DOMESTIC PRODUCT, HAWAII AND THE UNITED STATES: 1963 TO 2019 -- 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	77,854	74,529	101.286	17,527,258	16,912,038	104.415
2015	82,710	77,185	104.896	18,224,780	17,403,843	107.451
2016	85,844	78,905	107.233	18,715,040	17,688,890	109.211
2017	89,429	80,716	109.694	19,519,424	18,108,082	111.799
2018	93,798	82,652	112.325	20,580,223	18,638,164	115.072
2019	97,282	83,509	113.490	21,427,690	19,073,056	117.757

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 2019.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by State (April 7, 2020)

<<https://apps.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed July 14, 2020.

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: 2009 TO 2019

[In millions of current dollars. Based on the 2012 North American Industry Classification System (NAICS) basis. 2014 to 2018 data are revised from previous *Data Book*. See previous table for Gross Domestic Product for 1977 to 1997 on an SIC basis]

Industry	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total, all industries	65,692	68,197	70,483	73,583	75,788	77,854	82,710	85,844	89,429	93,798	97,282
Private industries	51,091	53,085	54,707	57,485	59,611	61,000	65,444	68,269	71,554	75,387	78,160
Agri., forestry, fish., & hunting	457	480	559	536	519	471	488	465	464	451	509
Mining, quar., gas & oil extr.	104	87	70	70	63	62	65	72	69	92	85
Utilities	1,427	1,691	1,964	2,038	2,048	2,081	1,858	1,789	1,876	2,031	2,028
Construction	4,194	3,683	3,538	3,639	3,708	3,974	4,674	5,264	5,247	5,381	5,562
Manufacturing	1,327	1,260	1,353	1,426	1,541	1,671	1,657	1,568	1,780	2,000	1,896
Wholesale trade	2,074	2,143	2,239	2,344	2,455	2,517	2,678	2,646	2,758	2,846	2,969
Retail trade	4,310	4,480	4,814	5,098	5,257	5,278	5,518	5,583	5,779	6,090	6,246
Trans. & warehousing	2,723	3,181	3,103	3,398	3,613	3,744	4,226	4,555	4,948	5,231	5,341
Information	1,750	1,933	1,584	1,534	1,694	1,644	1,798	1,817	1,891	2,063	2,099
Finance and insurance	2,081	2,082	2,262	2,394	2,254	2,653	2,896	2,894	2,988	3,380	3,530
Real estate, rental, & leasing	12,631	13,482	13,666	14,321	14,705	14,627	16,092	17,373	18,099	18,866	19,771
Prof., scientific & tech. serv.	2,977	2,981	3,115	3,180	3,207	3,288	3,400	3,427	3,586	3,743	3,860
Mgt of companies & enterprises	718	750	794	887	985	992	1,026	1,066	1,095	1,140	1,262
Administrative & waste services	1,990	2,200	2,325	2,434	2,568	2,704	2,804	2,901	3,018	3,157	3,329
Educational services	844	871	893	931	921	920	922	942	919	975	1,017
Health care & social assistance	4,319	4,409	4,570	4,705	4,896	5,056	5,384	5,625	5,900	6,243	6,597
Arts, entertainment, & recreation	5,618	5,797	6,244	6,903	7,485	7,548	8,118	8,374	9,153	9,603	9,888
Accommodation & food services	4,847	5,090	5,546	6,137	6,587	6,602	7,174	7,469	8,120	8,491	8,817
Accommodation	2,991	3,179	3,548	4,018	4,316	4,181	4,515	4,605	5,022	(NA)	(NA)
Food serv. & drinking plcs	1,855	1,910	1,997	2,119	2,272	2,421	2,659	2,864	3,098	(NA)	(NA)
Other services, exc. gov't	1,548	1,575	1,613	1,649	1,693	1,770	1,843	1,910	1,984	2,096	2,170
Government	14,601	15,112	15,776	16,097	16,177	16,854	17,266	17,575	17,875	18,411	19,122
Federal civilian	3,475	3,766	3,997	4,099	3,957	4,077	4,208	4,350	4,492	(NA)	(NA)
Federal military	5,014	5,213	5,373	5,452	5,329	5,365	5,524	5,326	5,192	(NA)	(NA)
State & local	6,111	6,132	6,405	6,547	6,892	7,412	7,534	7,899	8,192	(NA)	(NA)

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By State 1963 to 2019 (April 7, 2020)

Table 13.06-- GROSS DOMESTIC PRODUCT, BY NAICS INDUSTRY, IN CONSTANT DOLLARS: 2009 TO 2019

[In millions of chained 2012 dollars. Based on the 2012 North American Industry Classification System (NAICS) basis. 2014 to 2018 data are revised from previous *Data Book*]

Industry	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total, all industries	69,095	71,007	72,080	73,583	74,278	74,529	77,185	78,905	80,716	82,652	83,509
Private industries	53,628	55,410	56,086	57,485	58,467	58,488	61,187	62,780	64,609	66,545	67,249
Agri., forestry, fishing, & hunting	721	648	577	536	504	497	612	676	624	628	727
Mining	125	94	69	70	70	71	81	92	79	103	122
Utilities	1,311	1,612	1,886	2,038	1,978	1,857	1,649	1,651	1,690	1,766	1,754
Construction	4,279	3,840	3,634	3,639	3,580	3,605	4,063	4,414	4,246	4,192	4,102
Manufacturing	1,758	1,536	1,445	1,426	1,590	1,736	1,723	1,774	1,880	1,924	1,799
Wholesale trade	2,224	2,285	2,312	2,344	2,408	2,450	2,589	2,545	2,629	2,648	2,641
Retail trade	4,590	4,736	4,979	5,098	5,187	5,166	5,308	5,389	5,628	5,908	6,025
Trans. & warehousing	3,011	3,409	3,288	3,398	3,529	3,500	3,683	3,944	4,285	4,476	4,413
Information	1,718	1,920	1,586	1,534	1,693	1,660	1,878	1,945	2,073	2,298	2,332
Finance and insurance	2,290	2,196	2,350	2,394	2,179	2,452	2,601	2,477	2,502	2,653	2,760
Real estate, rental, & leasing	12,820	13,812	13,884	14,321	14,440	14,057	15,001	15,778	16,047	16,395	16,665
Prof., scientific & tech. services	3,087	3,068	3,160	3,180	3,159	3,218	3,258	3,262	3,362	3,462	3,530
Mgt of companies & enterprises	738	762	802	887	977	1,008	1,023	1,064	1,101	1,161	1,311
Administrative & waste services	2,008	2,235	2,351	2,434	2,526	2,607	2,628	2,633	2,699	2,784	2,859
Educational services	924	929	925	931	892	866	847	845	801	828	844
Health care & social assistance	4,566	4,556	4,658	4,705	4,837	4,944	5,204	5,317	5,483	5,716	5,919
Arts, entertainment, & recreation	808	742	723	766	884	913	876	813	916	966	907
Accommodation & food services	5,118	5,391	5,801	6,137	6,403	6,230	6,514	6,504	6,905	6,988	6,984
Accommodation	3,137	3,370	3,701	4,018	4,201	3,935	4,113	4,037	4,302	(NA)	(NA)
Food serv. & drinking places	1,982	2,021	2,101	2,119	2,202	2,295	2,402	2,466	2,602	(NA)	(NA)
Other services, exc. gov't	1,672	1,661	1,660	1,649	1,641	1,671	1,684	1,692	1,708	1,762	1,754
Government	15,467	15,597	15,994	16,097	15,812	16,041	16,003	16,131	16,114	16,116	16,269
Federal civilian	3,668	3,869	4,027	4,099	3,920	3,947	3,987	4,083	4,137	(NA)	(NA)
Federal military	5,292	5,355	5,412	5,452	5,280	5,194	5,234	4,999	4,782	(NA)	(NA)
State & local	6,509	6,374	6,555	6,547	6,609	6,891	6,777	7,033	7,171	(NA)	(NA)

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By State 1963 to 2019 (April 7, 2020)

<<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1>> accessed July 14, 2020.

**Table 13.07-- TOTAL AND PER CAPITA PERSONAL INCOME FOR HAWAII
AND THE UNITED STATES: 1969 TO 2019**

[Hawaii personal income, per capita personal income and Hawaii as percent of U.S. average for 1998 to 2009, and all 2010 to 2018 data are revised from previous *Data Book*]

Year	Personal income (millions of dollars)		Resident population 1/		Per capita personal income 2/		
					Dollars		Hawaii as percent of U.S. average
	Hawaii	U.S.	Hawaii	U.S.	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	32,531	7,601,594	1,215,233	275,854,104	26,769	27,557	97.1
1999	33,658	8,001,563	1,210,300	279,040,168	27,809	28,675	97.0
2000	35,682	8,650,325	1,213,519	282,162,411	29,404	30,657	95.9

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**Table 13.07-- TOTAL AND PER CAPITA PERSONAL INCOME FOR HAWAII
AND THE UNITED STATES: 1969 TO 2019 -- 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	37,204	9,001,839	1,225,948	284,968,955	30,347	31,589	96.1
2002	38,955	9,155,663	1,239,613	287,625,193	31,425	31,832	98.7
2003	40,791	9,480,901	1,251,154	290,107,933	32,603	32,681	99.8
2004	43,977	10,028,781	1,273,569	292,805,298	34,531	34,251	100.8
2005	47,306	10,593,946	1,292,729	295,516,599	36,594	35,849	102.1
2006	50,701	11,372,589	1,309,731	298,379,912	38,711	38,114	101.6
2007	53,423	12,002,204	1,315,675	301,231,207	40,605	39,844	101.9
2008	56,060	12,438,527	1,332,213	304,093,966	42,080	40,904	102.9
2009	55,690	12,051,307	1,346,717	306,771,529	41,352	39,284	105.3
2010	57,179	12,541,995	1,363,963	309,321,666	41,921	40,547	103.4
2011	60,045	13,315,478	1,379,329	311,556,874	43,532	42,739	101.9
2012	62,456	13,998,383	1,394,804	313,830,990	44,778	44,605	100.4
2013	63,317	14,175,503	1,408,243	315,993,715	44,961	44,860	100.2
2014	66,846	14,982,715	1,414,538	318,301,008	47,257	47,071	100.4
2015	70,385	15,709,242	1,422,052	320,635,163	49,495	48,994	101.0
2016	72,879	16,111,636	1,427,559	322,941,311	51,051	49,890	102.3
2017	75,690	16,870,106	1,424,393	324,985,539	53,138	51,910	102.4
2018	78,721	17,813,035	1,420,593	326,687,501	55,414	54,526	101.6
2019	81,343	18,599,062	1,415,872	328,239,523	57,450	56,663	101.4

1/ U.S. Census Bureau midyear population estimate. 2010-2019 use state population estimates available as of December 2019.

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 24, 2020) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed March 24, 2020; 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 2019**

[Hawaii personal income, per capita personal income and Hawaii as percent of U.S. average for 1998 to 2009, and all 2010 to 2018 data are revised from previous *Data Book*]

Year	Disposable personal income (millions of dollars)		Resident population 1/		Per capita disposable personal income 2/		
	Hawaii	U.S.	Hawaii	U.S.	Dollars		Hawaii as percent of U.S. average
					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	28,667	6,570,164	1,215,233	275,854,104	23,589	23,818	99.0
1999	29,622	6,890,679	1,210,300	279,040,168	24,475	24,694	99.1
2000	31,336	7,415,075	1,213,519	282,162,411	25,823	26,279	98.3

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**Table 13.08-- TOTAL AND PER CAPITA DISPOSABLE PERSONAL INCOME
FOR HAWAII AND THE UNITED STATES: 1969 TO 2019 -- Con.**

Year	Disposable personal income (millions of dollars)		Resident population 1/		Per capita disposable personal income 2/		
	Hawaii	U.S.	Hawaii	U.S.	Dollars		Hawaii as percent of U.S. average
					Hawaii	U.S.	
2001	32,735	7,763,912	1,225,948	284,968,955	26,701	27,245	98.0
2002	34,909	8,104,480	1,239,613	287,625,193	28,161	28,177	99.9
2003	36,790	8,478,455	1,251,154	290,107,933	29,405	29,225	100.6
2004	39,661	8,981,157	1,273,569	292,805,298	31,142	30,673	101.5
2005	42,189	9,382,761	1,292,729	295,516,599	32,636	31,750	102.8
2006	45,128	10,017,121	1,309,731	298,379,912	34,456	33,572	102.6
2007	47,514	10,511,373	1,315,675	301,231,207	36,113	34,895	103.5
2008	50,136	10,932,716	1,332,213	304,093,966	37,633	35,952	104.7
2009	50,916	10,900,400	1,346,717	306,771,529	37,808	35,533	106.4
2010	52,409	11,305,991	1,363,963	309,321,666	38,424	36,551	105.1
2011	54,603	11,863,823	1,379,329	311,556,874	39,586	38,079	104.0
2012	56,782	12,490,913	1,394,804	313,830,990	40,710	39,801	102.3
2013	56,949	12,501,275	1,408,243	315,993,715	40,440	39,562	102.2
2014	60,081	13,200,377	1,414,538	318,301,008	42,474	41,471	102.4
2015	62,809	13,773,169	1,422,052	320,635,163	44,168	42,956	102.8
2016	64,966	14,157,321	1,427,559	322,941,311	45,509	43,839	103.8
2017	67,403	14,826,143	1,424,393	324,985,539	47,320	45,621	103.7
2018	70,296	15,737,171	1,420,593	326,687,501	49,483	48,172	102.7
2019	72,604	16,419,398	1,415,872	328,239,523	51,279	50,023	102.5

1/ U.S. Census Bureau midyear population estimate. 2010-2019 use state population estimates available as of December 2019.

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 24, 2020) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed March 24, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.09-- PERSONAL INCOME BY MAJOR SOURCE, BY SIC INDUSTRY: 1996 TO 2001

[In thousands of dollars. The estimates of earnings are based on the 1987 Standard Industrial Classification (SIC) Code.
BEA revised the state personal income series from 1998 to 2001]

Item	1996	1997	1998	1999	2000	2001
Personal income	30,894,933	31,907,547	32,531,130	33,657,545	35,682,033	37,204,033
Earnings by place of work	23,100,404	23,742,063	24,118,706	25,075,968	26,592,658	28,063,097
Wages & salaries	16,718,142	17,215,868	17,621,036	18,185,436	19,173,030	19,831,092
Supplements to wages and salaries 1/	4,028,285	4,043,017	4,098,585	4,214,313	4,474,279	4,803,051
Emp'er cont. for emp. pension & ins. funds	2,720,336	2,717,470	2,771,192	2,860,987	3,043,854	3,296,890
Employer cont. for gov't social ins.	1,307,949	1,325,547	1,327,393	1,353,326	1,430,425	1,506,161
Proprietors' income 2/	2,353,977	2,483,178	2,399,085	2,676,219	2,945,349	3,428,954
Farm proprietors' income	19,866	36,106	38,283	43,843	40,387	39,138
Nonfarm proprietors' income	2,334,111	2,447,072	2,360,802	2,632,376	2,904,962	3,389,816
Dividends, interest, and rent 3/	6,704,753	7,101,810	7,317,202	7,399,222	7,848,110	7,738,376
Personal current transfer receipts 4/	3,679,587	3,693,737	3,766,251	3,922,182	4,130,169	4,450,371
Less: Contrib. for gov't social ins. 5/	2,589,811	2,630,063	2,671,029	2,739,827	2,888,904	3,047,811
Emp'ee & self-emp. cont. for gov't soc. ins.	1,281,862	1,304,516	1,343,636	1,386,501	1,458,479	1,541,650
Employer cont. for gov't social ins.	1,307,949	1,325,547	1,327,393	1,353,326	1,430,425	1,506,161
Earnings by industry	23,100,404	23,742,063	24,118,706	25,075,968	26,592,658	28,063,097
Farm earnings	195,326	204,858	217,524	244,550	240,333	236,703
Nonfarm earnings	22,905,078	23,537,205	23,901,182	24,831,418	26,352,325	27,826,394
Private nonfarm earnings	16,562,229	16,891,007	17,096,942	17,686,901	18,989,298	20,082,958
Agri. services, forestry, & fishing	141,522	142,227	131,461	138,439	143,871	154,316
Mining	24,569	23,241	24,000	23,986	25,358	26,447
Construction	1,547,150	1,460,164	1,401,252	1,429,061	1,634,386	1,741,050
Manufacturing	749,900	768,161	746,726	765,149	797,087	849,485
Transportation & public utilities	1,857,393	1,887,820	1,882,331	1,963,044	2,066,438	2,163,100

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Table 13.09-- PERSONAL INCOME BY MAJOR SOURCE, BY SIC INDUSTRY: 1996 TO 2001 -- Con.

Item	1996	1997	1998	1999	2000	2001
Wholesale trade	900,744	913,560	936,737	932,265	995,476	1,033,989
Retail trade	2,845,185	2,908,520	2,895,687	3,065,576	3,068,416	3,129,735
Finance, insurance, and real estate	1,891,160	1,935,320	1,974,658	2,043,397	2,250,639	2,277,448
Services	6,604,606	6,851,994	7,104,090	7,325,984	8,007,627	8,707,388
Hotels and other lodging places	1,277,455	1,334,367	1,351,945	1,403,008	1,528,965	(NA)
Business services	768,453	841,331	903,117	1,013,434	1,203,630	(NA)
Health services	1,808,829	1,856,421	1,928,574	1,951,176	2,063,012	(NA)
Other	2,749,869	2,819,875	2,920,454	2,958,366	3,212,020	(NA)
Government and government enterprises	6,342,849	6,646,198	6,804,240	7,144,517	7,363,027	7,743,436
Federal	3,394,300	3,568,735	3,656,228	3,712,487	3,933,024	4,148,216
Federal, civilian	1,434,333	1,573,065	1,666,050	1,709,972	1,851,830	1,881,689
Military	1,959,967	1,995,670	1,990,178	2,002,515	2,081,194	2,266,527
State & local government	2,948,549	3,077,463	3,148,012	3,432,030	3,430,003	3,595,220
State	2,215,898	2,309,741	2,369,602	2,602,822	2,606,722	2,727,146
Local	732,651	767,722	778,410	829,208	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 24, 2019) "SAINC5S Personal Income by Major Component and Earnings by SIC Industry" <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed July 15, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.10-- PERSONAL INCOME BY MAJOR SOURCE, BY NAICS
INDUSTRY: 2016 TO 2019**

[In thousands of dollars. The estimates for 2016 are based on the 2012 North American Industry Classification System (NAICS) Code, and 2017 forward on the 2017 NAICS. BEA revised estimates for this series from 2010 to 2018. For earlier data, see source]

Item	2016	2017	2018	2019
Personal income	72,878,649	75,689,488	78,721,133	81,342,516
Earnings by place of work	51,458,928	53,506,971	55,471,571	57,294,292
Less: Contrib. for gov't social ins. 1/	5,831,314	6,068,898	6,334,414	6,554,325
Employee and self-employed	3,022,513	3,157,421	3,328,766	3,454,516
Employer	2,808,801	2,911,477	3,005,648	3,099,809
Net earnings by place of residence	45,627,614	47,438,073	49,137,157	50,739,967
Dividends, interest, and rent 2/	15,833,993	16,401,073	17,494,327	17,880,259
Personal current transfer receipts	11,417,042	11,850,342	12,089,649	12,722,290
Wages and salaries	35,831,647	37,042,738	38,311,793	39,528,881
Supp. to wages & sal.- emp'er contrib.	10,099,971	10,285,874	10,804,488	11,156,115
For employee pension & ins. funds 3/	7,291,170	7,374,397	7,798,840	8,056,306
For government social insurance	2,808,801	2,911,477	3,005,648	3,099,809
Proprietors' income 4/	5,527,310	6,178,359	6,355,290	6,609,296
Farm proprietors' income	-1,880	82,059	31,430	60,323
Nonfarm proprietors' income	5,529,190	6,096,300	6,323,860	6,548,973
Farm earnings	289,634	298,772	257,994	302,775
Nonfarm earnings	51,169,294	53,208,199	55,213,577	56,991,517
Private earnings	35,941,975	37,735,901	39,316,009	40,571,861
Forestry, fishing, rel. activ., & other	86,405	93,905	96,780	108,666
Mining, quarrying, oil & gas extraction	30,121	29,103	30,056	34,531
Utilities	561,342	572,583	604,170	589,281
Construction	4,343,653	4,341,228	4,474,364	4,589,688
Manufacturing	931,666	960,660	988,989	976,613
Wholesale trade	1,329,176	1,408,768	1,446,889	1,541,188
Retail trade	3,050,612	3,180,385	3,327,506	3,390,129
Transportation and warehousing	2,155,591	2,354,776	2,417,609	2,536,827
Information	740,794	791,156	885,828	817,441
Finance and insurance	1,510,138	1,644,987	1,683,022	1,810,919
Real estate and rental and leasing	1,710,640	1,843,795	1,863,882	1,951,825
Prof., scientific, & tech. services	2,860,485	3,014,790	3,122,491	3,221,900
Mgt of companies & enterprises	938,639	969,093	1,006,427	1,071,582
Admin. & supp. & waste mgt. & remed.	2,424,712	2,518,325	2,618,502	2,311,308
Educational services	792,605	769,373	820,282	855,989
Health care and social assistance	5,102,001	5,323,497	5,616,196	5,950,702
Arts, entertainment, and recreation	632,483	687,708	735,420	786,310
Accommodation & food services	4,677,825	5,082,079	5,308,940	5,647,687
Other services (exc. gov't & gov't ent.)	2,063,087	2,149,690	2,268,656	2,379,275

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**Table 13.10-- PERSONAL INCOME BY MAJOR SOURCE, BY NAICS
INDUSTRY: 2016 TO 2019 -- Con.**

Item	2016	2017	2018	2019
Gov't and gov't enterprises	15,227,319	15,472,298	15,897,568	16,419,656
Federal	8,491,157	8,469,782	8,791,537	9,126,480
Civilian	3,657,868	3,768,782	3,901,342	4,053,691
Military	4,833,289	4,701,000	4,890,195	5,072,789
State and local	6,736,162	7,002,516	7,106,031	7,293,176
State	5,030,509	5,213,861	5,241,490	(NA)
Local	1,705,653	1,788,655	1,864,541	(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 24, 2020)

<<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed March 24, 2020; 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 2018

[2008 to 2017 revised from previous *Data Book*]

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Real personal income (millions of chained 2012 dollars) ^{1/}											
Alabama	191,199	189,053	192,366	195,685	196,547	196,434	201,887	210,057	213,613	217,135	221,887
Alaska	32,704	32,808	35,043	36,763	37,230	36,603	37,656	39,123	37,865	37,905	38,827
Arizona	236,375	225,708	228,951	236,158	244,200	248,829	261,265	274,422	284,330	295,486	305,947
Arkansas	112,445	111,031	111,458	116,067	122,111	120,730	127,265	130,430	133,383	137,027	141,932
California	1,512,957	1,467,747	1,501,074	1,565,877	1,643,599	1,648,756	1,731,412	1,856,156	1,902,709	1,952,522	2,023,347
Colorado	221,330	209,607	213,092	224,786	234,861	241,406	259,111	270,237	274,545	288,143	303,432
Connecticut	208,683	206,329	212,695	214,513	214,002	208,140	214,265	219,602	224,200	228,854	239,214
Delaware	37,575	37,475	37,402	39,950	39,915	40,224	41,305	43,897	44,361	45,654	47,730
Dist. of Colum.	32,653	32,784	34,083	36,239	36,957	37,327	38,927	42,399	44,754	44,851	46,090
Florida	767,918	727,914	766,518	786,976	801,998	792,351	838,939	894,763	907,891	949,540	984,580
Georgia	380,563	375,076	380,458	398,311	400,844	400,847	424,077	444,594	457,399	473,452	488,463
Hawaii	50,529	50,711	51,082	52,460	53,116	52,907	55,007	57,414	59,093	60,367	61,931
Idaho	56,156	54,522	56,213	58,104	60,220	61,851	64,329	68,597	71,560	74,328	77,362
Illinois	586,344	554,775	560,979	573,658	590,346	602,177	625,264	650,946	654,945	663,557	685,680
Indiana	264,240	256,976	263,724	273,203	281,855	281,890	290,531	303,958	311,688	317,999	328,057
Iowa	139,703	134,829	136,409	142,481	146,602	146,703	150,185	155,967	155,761	157,087	164,635
Kansas	136,538	131,705	131,693	138,086	143,860	144,011	145,757	148,663	147,945	149,705	154,667
Kentucky	168,322	166,850	170,327	174,492	176,826	175,211	183,101	189,710	193,857	197,818	200,569
Louisiana	197,369	191,060	196,445	198,745	204,485	205,097	212,379	215,591	214,315	217,033	224,496
Maine	53,576	53,546	54,436	55,001	54,455	53,544	55,287	56,871	57,891	59,479	60,768
Maryland	271,158	267,520	273,116	281,917	286,716	282,682	287,924	303,388	313,333	316,802	328,106
Massachusetts	330,079	327,855	337,928	346,692	359,096	356,915	368,189	390,535	394,639	407,011	418,918
Michigan	396,274	377,478	386,607	400,197	409,885	409,183	425,386	452,049	463,664	471,112	486,642
Minnesota	247,353	236,306	243,924	254,762	264,067	263,018	273,612	286,901	289,755	295,850	307,540
Mississippi	110,775	109,685	110,929	112,693	115,022	114,682	116,792	118,098	119,294	120,870	122,003
Missouri	266,132	261,595	261,949	264,196	271,061	267,818	274,322	284,047	290,535	295,763	305,950
Montana	38,460	38,040	39,650	41,457	43,339	42,547	44,031	45,829	46,950	48,143	50,283

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**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, BY STATE:
2008 TO 2018 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Nebraska	85,815	84,628	86,861	94,636	95,374	94,716	98,991	103,198	101,331	102,546	106,598
Nevada	108,612	102,555	105,497	107,036	110,396	109,239	116,810	126,357	131,795	136,913	142,194
New Hampshire	59,727	59,208	60,602	62,641	64,055	63,111	64,685	67,320	68,439	70,106	72,860
New Jersey	427,256	413,140	415,351	422,550	430,479	432,620	445,156	464,866	469,915	481,061	490,276
New Mexico	75,826	75,246	76,644	78,071	78,598	76,141	79,909	82,862	84,758	84,817	88,922
New York	859,065	843,665	863,297	890,153	917,629	917,824	938,992	976,336	996,101	1,049,840	1,070,638
North Carolina	405,945	391,657	391,800	396,523	415,083	404,815	424,196	447,825	457,409	469,294	484,301
North Dakota	31,965	31,564	34,445	37,429	42,793	41,871	44,152	42,915	41,799	41,689	43,217
Ohio	498,750	489,138	492,393	513,527	525,966	525,407	540,330	561,307	566,820	579,920	598,402
Oklahoma	169,510	156,467	160,539	168,672	176,414	182,392	192,186	187,297	178,719	183,477	191,625
Oregon	151,384	145,625	147,362	151,792	156,747	156,875	165,985	179,151	182,510	189,022	195,792
Pennsylvania	567,551	555,518	568,083	584,801	597,932	594,297	614,709	637,721	648,065	659,951	685,699
Rhode Island	46,804	45,780	47,811	48,383	49,503	48,810	49,633	51,455	51,173	52,831	54,249
South Carolina	174,417	169,740	174,239	179,158	185,043	185,839	196,368	207,976	212,873	220,665	226,402
South Dakota	40,069	39,502	40,468	43,016	42,446	42,822	44,128	45,922	45,823	46,340	48,660
Tennessee	255,980	254,563	263,036	272,377	279,877	278,991	289,575	303,694	312,571	318,396	328,024
Texas	1,053,601	1,006,296	1,051,159	1,122,893	1,179,228	1,190,095	1,260,097	1,286,833	1,271,229	1,328,582	1,386,862
Utah	99,126	94,528	96,457	101,112	106,344	107,712	113,830	122,912	129,377	134,827	140,705
Vermont	27,070	26,659	27,301	28,060	28,203	28,185	28,394	29,338	29,750	29,811	30,594
Virginia	368,604	360,265	370,830	383,703	394,715	387,775	400,070	419,305	425,356	434,821	448,050
Washington	301,548	287,531	292,579	302,844	318,741	319,146	337,219	356,532	370,236	385,815	402,539
West Virginia	70,388	70,579	70,991	73,084	73,727	72,289	73,836	74,543	74,213	76,255	78,068
Wisconsin	251,383	247,720	250,410	257,262	263,611	262,634	269,732	281,326	285,847	292,635	303,040
Wyoming	29,386	27,169	28,183	29,957	32,266	31,695	33,238	33,734	32,068	32,733	34,921

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**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, BY STATE:
2008 TO 2018 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Real per capita personal income (chained (2012) dollars) 1/											
Alabama	40,524	39,734	40,198	40,776	40,815	40,669	41,697	43,290	43,922	44,545	45,397
Alaska	47,573	46,942	49,086	50,909	50,968	49,660	51,144	53,048	51,069	51,243	52,816
Arizona	37,637	35,583	35,734	36,486	37,254	37,515	38,818	40,181	40,963	41,949	42,742
Arkansas	39,117	38,328	38,145	39,470	41,363	40,795	42,888	43,797	44,611	45,655	47,158
California	41,333	39,710	40,222	41,603	43,311	43,093	44,859	47,694	48,579	49,609	51,274
Colorado	45,264	42,156	42,219	43,894	45,230	45,816	48,431	49,579	49,564	51,345	53,315
Connecticut	58,857	57,928	59,427	59,782	59,535	57,900	59,609	61,219	62,658	64,045	66,978
Delaware	42,512	42,024	41,576	44,027	43,615	43,552	44,295	46,637	46,749	47,714	49,436
Dist. of Colum.	56,274	55,357	56,315	58,469	58,206	57,375	58,772	62,776	65,256	64,542	65,697
Florida	41,448	39,025	40,674	41,304	41,559	40,539	42,273	44,275	44,044	45,295	46,346
Georgia	40,039	38,986	39,174	40,634	40,483	40,195	42,124	43,680	44,400	45,479	46,471
Hawaii	37,928	37,655	37,451	38,033	38,081	37,569	38,887	40,374	41,394	42,381	43,595
Idaho	36,600	35,075	35,787	36,684	37,748	38,388	39,438	41,547	42,535	43,272	44,193
Illinois	45,998	43,353	43,688	44,582	45,825	46,698	48,528	50,622	51,086	51,926	53,893
Indiana	41,128	39,784	40,633	41,925	43,112	42,914	44,062	45,995	46,981	47,761	48,997
Iowa	46,309	44,456	44,713	46,466	47,657	47,431	48,301	49,974	49,742	50,003	52,288
Kansas	48,623	46,494	46,076	48,127	49,860	49,776	50,253	51,104	50,826	51,468	53,125
Kentucky	39,237	38,649	39,172	39,931	40,313	39,779	41,479	42,863	43,679	44,431	44,959
Louisiana	44,497	42,537	43,227	43,436	44,444	44,350	45,732	46,218	45,812	46,468	48,178
Maine	40,267	40,272	41,002	41,407	41,013	40,319	41,553	42,816	43,484	44,566	45,381
Maryland	47,697	46,684	47,181	48,278	48,703	47,725	48,331	50,687	52,193	52,591	54,360
Massachusetts	51,025	50,303	51,464	52,421	53,894	53,165	54,445	57,480	57,834	59,333	60,866
Michigan	39,839	38,123	39,140	40,496	41,414	41,277	42,839	45,516	46,597	47,238	48,742
Minnesota	47,142	44,745	45,929	47,653	49,114	48,586	50,194	52,335	52,466	53,151	54,857
Mississippi	37,579	37,071	37,343	37,833	38,548	38,372	39,055	39,518	39,925	40,445	40,927
Missouri	44,925	43,884	43,687	43,957	44,994	44,336	45,296	46,782	47,729	48,433	49,979
Montana	39,389	38,659	40,022	41,569	43,176	41,977	43,089	44,473	45,107	45,742	47,407

Continued on next page.

**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, BY STATE:
2008 TO 2018 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Nebraska	47,771	46,687	47,477	51,414	51,461	50,779	52,674	54,565	53,175	53,522	55,358
Nevada	40,930	38,200	39,038	39,457	40,232	39,352	41,457	44,074	45,173	46,100	46,970
New Hampshire	45,389	44,987	46,023	47,448	48,372	47,572	48,513	50,376	50,986	51,977	53,832
New Jersey	49,047	47,186	47,202	47,864	48,670	48,845	50,218	52,421	52,973	54,140	55,174
New Mexico	37,712	36,943	37,124	37,526	37,655	36,391	38,242	39,660	40,522	40,548	42,491
New York	44,714	43,697	44,500	45,651	46,883	46,769	47,783	49,675	50,735	53,592	54,819
North Carolina	43,606	41,447	40,922	41,058	42,575	41,126	42,706	44,641	45,044	45,703	46,650
North Dakota	48,610	47,467	51,051	54,623	61,031	57,990	59,875	56,912	55,405	55,221	57,008
Ohio	43,312	42,427	42,671	44,482	45,542	45,385	46,569	48,316	48,719	49,737	51,249
Oklahoma	46,201	42,089	42,697	44,524	46,196	47,335	49,556	47,908	45,518	46,671	48,633
Oregon	40,168	38,236	38,400	39,202	40,202	39,994	41,881	44,612	44,624	45,618	46,819
Pennsylvania	45,000	43,856	44,692	45,882	46,834	46,516	48,068	49,881	50,700	51,608	53,566
Rhode Island	44,364	43,449	45,363	45,919	46,939	46,262	47,004	48,723	48,424	50,045	51,261
South Carolina	38,511	36,981	37,587	38,347	39,226	39,008	40,710	42,514	42,935	43,946	44,531
South Dakota	50,142	48,945	49,584	52,230	50,921	50,838	51,968	53,774	53,098	53,089	55,377
Tennessee	40,974	40,368	41,388	42,564	43,366	42,959	44,269	46,076	47,031	47,459	48,441
Texas	43,342	40,574	41,643	43,785	45,208	44,943	46,732	46,845	45,540	46,954	48,443
Utah	37,223	34,709	34,755	35,927	37,269	37,172	38,759	41,220	42,532	43,478	44,618
Vermont	43,371	42,666	43,621	44,749	45,046	45,009	45,415	46,924	47,703	47,747	49,001
Virginia	47,055	45,454	46,217	47,364	48,224	46,989	48,137	50,145	50,577	51,376	52,704
Washington	45,952	43,125	43,391	44,362	46,214	45,828	47,801	49,770	50,754	51,973	53,502
West Virginia	38,248	38,197	38,286	39,371	39,705	38,992	39,923	40,468	40,531	41,967	43,268
Wisconsin	44,564	43,695	44,005	45,092	46,086	45,781	46,897	48,833	49,518	50,540	52,182
Wyoming	53,815	48,528	49,926	52,805	55,988	54,446	57,058	57,604	54,891	56,541	60,458

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 18, 2020) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed May 18, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism. See also "Real Personal Income for States and Metropolitan Areas, 2018" <<https://www.bea.gov/news/2020/real-personal-income-state-and-metropolitan-area-2018>>.

**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1994 TO 2018**

Year	State total	City & County of Honolulu	Hawaii	Kauai	Maui and Kalawao
Total (\$1,000)					
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 1/	32,531,130	25,412,931	2,934,325	1,312,259	2,871,615
1999 1/	33,657,545	26,113,634	3,081,127	1,367,324	3,095,460
2000 1/	35,682,033	27,571,297	3,326,966	1,469,363	3,314,407
2001 1/	37,204,033	28,626,089	3,510,902	1,535,779	3,531,263
2002 1/	38,954,769	29,894,595	3,725,896	1,597,358	3,736,920
2003 1/	40,791,025	31,170,188	3,942,552	1,702,671	3,975,614
2004 1/	43,977,375	33,368,413	4,379,204	1,888,102	4,341,656
2005 1/	47,306,326	35,728,717	4,848,840	2,024,507	4,704,262
2006 1/	50,701,090	38,249,805	5,227,476	2,159,942	5,063,867
2007 1/	53,423,078	40,176,577	5,570,974	2,302,505	5,373,022
2008 1/	56,059,909	42,118,992	5,903,907	2,412,045	5,624,965
2009 1/	55,690,031	42,371,822	5,675,130	2,322,396	5,320,683
2010 1/	57,179,141	43,397,685	5,869,367	2,375,385	5,536,704
2011 1/	60,044,624	45,532,320	6,142,665	2,492,278	5,877,361
2012 1/	62,455,917	47,177,994	6,369,930	2,599,394	6,308,599
2013 1/	63,316,600	47,857,319	6,445,702	2,700,471	6,313,108
2014 1/	66,846,123	50,358,033	6,866,362	2,890,458	6,731,270
2015 1/	70,384,467	52,747,310	7,403,169	3,072,470	7,161,518
2016 1/	72,878,649	54,459,502	7,727,884	3,202,096	7,489,167
2017 1/	75,689,488	56,274,893	8,156,188	3,379,704	7,878,703
2018	78,721,133	58,420,993	8,531,484	3,564,549	8,204,107
Population 2/					
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

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**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1994 TO 2018-- Con.**

Year	State total	City & County of Honolulu	Hawaii	Kauai	Maui and Kalawao
2005	1,292,729	918,181	168,237	62,863	143,448
2006	1,309,731	926,954	173,536	63,465	145,776
2007	1,315,675	925,335	177,733	64,490	148,117
2008	1,332,213	933,680	181,506	65,603	151,424
2009	1,346,717	943,177	183,629	66,518	153,393
2010 1/	1,363,963	956,296	185,358	67,213	155,096
2011 1/	1,379,252	967,287	187,066	67,898	157,001
2012 1/	1,394,905	978,073	189,164	68,691	158,977
2013 1/	1,408,453	986,222	191,466	69,660	161,105
2014 1/	1,414,862	987,649	193,736	70,324	163,153
2015 1/	1,422,484	991,339	195,941	71,074	164,130
2016 1/	1,428,105	992,692	198,126	71,575	165,712
2017 1/	1,424,203	986,429	199,503	71,780	166,491
2018	1,420,491	980,080	200,983	72,133	167,295
Per capita (dollars) 3/					
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 1/	26,769	28,653	20,121	22,687	23,038
1999 1/	27,809	29,712	20,964	23,468	24,536
2000 1/	29,404	31,452	22,292	25,088	25,678
2001 1/	30,347	32,428	23,145	25,997	26,666
2002 1/	31,425	33,572	24,104	26,631	27,767
2003 1/	32,603	34,854	24,883	28,002	28,893
2004 1/	34,531	36,749	26,891	30,407	30,874
2005 1/	36,594	38,912	28,821	32,205	32,794
2006 1/	38,711	41,264	30,123	34,034	34,737
2007 1/	40,605	43,418	31,345	35,703	36,276
2008 1/	42,080	45,111	32,527	36,767	37,147
2009 1/	41,352	44,925	30,905	34,914	34,687
2010 1/	41,921	45,381	31,665	35,341	35,699
2011 1/	43,534	47,072	32,837	36,706	37,435
2012 1/	44,774	48,236	33,674	37,842	39,682
2013 1/	44,955	48,526	33,665	38,766	39,186
2014 1/	47,246	50,988	35,442	41,102	41,257
2015 1/	49,480	53,208	37,783	43,229	43,633
2016 1/	51,032	54,860	39,005	44,738	45,194
2017 1/	53,145	57,049	40,883	47,084	47,322
2018	55,418	59,608	42,449	49,416	49,040

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**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1994 TO 2018-- Con.**

1/ 1998 to 2017 Personal income and per capita personal income and 2010 to 2017 population revised from previous *Data Book*.

2/ Census Bureau midyear population estimates. Estimates for 2010-2018 reflect county population estimates available as of March 2019.

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 July 17, 2020. See also "Local Area Personal Income, 2018" (November 14, 2019)

<<https://www.bea.gov/system/files/2019-11/lapi1119.pdf>> 'accessed July 17, 2020.

Table 13.13-- PERFORMANCE RANKINGS FOR METROPOLITAN STATISTICAL AREAS, URBAN HONOLULU AND SAN FRANCISCO-REDWOOD CITY-SOUTH SAN FRANCISCO: 2018 AND 2020

[See also 'Methodology' <<https://milkeninstitute.org/reports/best-performing-cities-2020/methodology>> accessed March 2, 2020]

Category and location	2018		2020	
	Period	Rank 1/	Period	Rank 1/
Urban Honolulu				
Overall	2018	141	2020	167
Job growth (5-year)	2012 to 2017	139	2013 to 2018	157
Job growth (1-year)	2016 to 2017	145	2017 to 2018	183
Wage growth (5-year)	2011 to 2016	102	2012 to 2017	117
Wage growth (1-year)	2015 to 2016	98	2016 to 2017	161
Short-term job growth	August: 2017 to 2018	73	August: 2018 to 2019	136
High tech GDP growth (5-year)	2012 to 2017	130	2013 to 2018	120
High tech GDP growth (1-year)	2016 to 2017	172	2017 to 2018	95
High-tech GDP concentration 2/	2017	172	2018	168
Number of high-tech GDP industries with location quotients over 1 2/	2017	176	2018	151
San Francisco-Redwood City- South San Francisco				
Overall	2018	4	2020	1
Job growth (5-year)	2012 to 2017	11	2013 to 2018	13
Job growth (1-year)	2016 to 2017	40	2017 to 2018	22
Wage growth (5-year)	2011 to 2016	1	2012 to 2017	2
Wage growth (1-year)	2015 to 2016	1	2016 to 2017	2
Short-term job growth	August: 2017 to 2018	59	August: 2018 to 2019	11
High tech GDP growth (5-year)	2012 to 2017	1	2013 to 2018	1
High tech GDP growth (1-year)	2016 to 2017	11	2017 to 2018	8
High-tech GDP concentration 2/	2017	5	2018	2
Number of high-tech GDP industries with location quotients over 1 2/	2017	15	2018	17

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: 2018, Where America's Jobs Are Created and Sustained* (January 2019) <<http://www.best-cities.org/>> accessed January 25, 2019; and Ibid. 2020 (March 2, 2020) <<https://milkeninstitute.org/reports/best-performing-cities-2020>> accessed March 2, 2020.

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 1/	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 2018

[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
2018	80,212	95,448	43,432	51,413	42,584

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 Community Survey 1-Year Estimates Hawaii Geographic Area Profiles "DP03 Selected Economic Characteristics" (annual) <<http://census.hawaii.gov/acs/>> accessed January 22, 2020.

**Table 13.18-- MEDIAN INCOME OF FOUR-PERSON FAMILIES IN HAWAII
AND THE UNITED STATES: 2005 TO 2018**

[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
2018	112,345	94,593	7	118.8

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 Community Survey 1-Year Estimates, Table B19119. Median Family Income In The Past 12 Months (In Inflation-Adjusted Dollars) By Family Size" (annual) <<https://data.census.gov>> accessed January 22, 2020 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 2018
DOLLARS: 1984 TO 2018**

[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 2018 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

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**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII
AND THE UNITED STATES, IN CURRENT AND CONSTANT 2018
DOLLARS: 1984 TO 2018 -- Con.**

Year	Median income in current dollars -- Con.					
	Hawaii			United States		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
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/	64,235	14.2	3,918	53,585	5.0	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 2/	73,599	2.0	2,352	61,136	3.6	322
2018	80,108	8.8	3,482	63,179	3.3	420
	Median income in constant (2018) dollars					
1984	66,659	(NA)	2,807	51,742	(NA)	235
1985	64,634	-3.0	3,227	52,709	1.9	286
1986	63,614	-1.6	2,645	54,608	3.6	283
1987	74,261	16.7	2,277	55,260	1.2	269
1988	67,583	-9.0	3,033	55,716	0.8	284
1989	68,695	1.6	2,604	56,678	1.7	312
1990	72,729	5.9	2,642	55,952	-1.3	286
1991	67,155	-7.7	2,939	54,318	-2.9	260
1992	74,088	10.3	2,525	53,897	-0.8	255
1993	73,208	-1.2	3,018	53,610	-0.5	251
1994	71,027	-3.0	4,073	54,233	1.2	247
1995	70,334	-1.0	2,121	55,931	3.1	323
1996	66,785	-5.0	3,027	56,744	1.5	286
1997	64,060	-4.1	2,189	57,911	2.1	268
1998	63,039	-1.6	3,658	60,040	3.7	355
1999	67,284	6.7	2,770	61,526	2.5	287
2000	75,373	12.0	1,744	61,399	-0.2	193
2001	67,447	-10.5	1,786	60,038	-2.2	183
2002	66,210	-1.8	1,919	59,360	-1.1	195
2003	70,941	7.1	1,823	59,286	-0.1	257
2004	74,949	5.6	2,252	59,080	-0.3	261

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Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII AND THE UNITED STATES, IN CURRENT AND CONSTANT 2018 DOLLARS: 1984 TO 2018 -- Con.

Year	Median income in constant dollars -- Con.					
	Hawaii			United States		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
2005	76,803	2.5	1,562	59,712	1.1	200
2006	75,496	-1.7	1,961	60,178	0.8	258
2007	77,726	3.0	2,580	60,985	1.3	170
2008	71,927	-7.5	1,732	58,811	-3.6	160
2009	65,289	-9.2	2,373	58,400	-0.7	250
2010	68,719	5.3	3,152	56,873	-2.6	375
2011	66,068	-3.9	2,832	56,006	-1.5	281
2012	61,648	-6.7	2,471	55,900	-0.2	229
2013 1/	69,355	12.5	4,230	57,856	3.5	706
2014	75,619	9.0	2,841	56,969	-1.5	416
2015	68,379	-9.6	3,010	59,901	5.1	340
2016	75,480	10.4	2,626	61,779	3.1	456
2017 2/	75,393	-0.1	2,409	62,626	1.4	330
2018	80,108	6.3	3,482	63,179	0.9	420

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 redesigned income questions, approximately 30,000 addresses.

2/ Reflects implementation of an updated CPS ASEC processing system.

Source: U.S. Census Bureau, Historical Income Tables - Households, Table H-8. Median Household Income by State: 1984 to 2018 <<https://www2.census.gov/programs-surveys/cps/tables/time-series/historical-income-households/h08.xls>> accessed January 22, 2020; 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 2018 DOLLARS: 1984 TO 2018

[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	65,646	(NA)	2,482	52,226	(NA)	215
1985-1986	64,124	-2.3	2,418	53,659	2.7	234
1986-1987	68,938	7.5	2,025	54,934	2.4	227
1987-1988	70,922	2.9	2,192	55,488	1.0	228
1988-1989	68,139	-3.9	2,319	56,197	1.3	245
1989-1990	70,712	3.8	2,155	56,315	0.2	246
1990-1991	69,942	-1.1	2,294	55,135	-2.1	224
1991-1992	70,622	1.0	2,247	54,108	-1.9	211
1992-1993	73,648	4.3	2,281	53,754	-0.7	208
1993-1994	72,118	-2.1	2,929	53,921	0.3	204
1994-1995	70,681	-2.0	2,604	55,082	2.2	235
1995-1996	68,559	-3.0	2,130	56,338	2.3	251
1996-1997	65,422	-4.6	2,156	57,328	1.8	228
1997-1998	63,549	-2.9	2,438	58,976	2.9	257
1998-1999	65,161	2.5	2,653	60,783	3.1	265
1999-2000	71,328	9.5	1,877	61,463	1.1	199
2000-2001	71,410	0.1	1,450	60,719	-1.2	155
2001-2002	66,828	-6.4	1,522	59,699	-1.7	155
2002-2003	68,575	2.6	1,537	59,323	-0.6	186
2003-2004	72,945	6.4	1,678	59,183	-0.2	213
2004-2005	75,876	4.0	1,579	59,396	0.4	190
2005-2006	76,150	0.4	1,452	59,945	0.9	189
2006-2007	76,611	0.6	1,874	60,582	1.1	178
2007-2008	74,826	-2.3	1,788	59,898	-1.1	136
2008-2009	68,608	-8.3	1,696	58,605	-2.2	170
2009-2010	67,095	-2.2	2,618	57,553	-1.8	332
2010-2011	67,394	0.4	2,417	56,440	-1.9	285
2011-2012	63,858	-5.2	2,040	55,953	-0.9	210
2012-2013 1/	63,975	0.2	1,743	55,990	0.1	198
2014-2015 1/	71,999	12.5	2,251	58,435	4.4	268
2015-2016	71,929	-0.1	2,049	60,840	4.1	288
2016-2017	75,425	4.9	1,902	62,323	2.4	315
2017-2018	77,750	3.1	2,269	62,903	0.9	319

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**Table 13.20- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII
AND THE UNITED STATES, 2-YEAR MOVING AVERAGES IN
CONSTANT 2018 DOLLARS: 1984 TO 2018 -- 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 2018 Two-Year Moving Averages" <<https://www2.census.gov/programs-surveys/cps/tables/time-series/historical-income-households/h08a.xls>> accessed July 18, 2020 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 2018 DOLLARS: 1984 TO 2018**

[Based on small samples and subject to considerable sampling variation. From surveys conducted in March or April of following year. Median income in 2018 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	64,969	2,044	5	53,020	189	22 & 23
1985-1987	67,503	1,909	5	54,192	196	23 & 24
1986-1988	68,486	1,839	6	55,195	194	24 & 25
1987-1989	70,180	1,872	5	55,884	202	22 & 23
1988-1990	69,669	1,924	6	56,115	207	21 & 22
1989-1991	69,526	1,905	6	55,649	200	20 & 21
1990-1992	71,324	1,904	3	54,722	186	23 & 24
1991-1993	71,484	1,962	3	53,942	178	23 & 24
1992-1994	72,775	2,261	2	53,913	175	23 & 24
1993-1995	71,523	2,232	2	54,591	191	22 & 23
1994-1996	69,382	2,129	3	55,636	202	22 & 23
1995-1997	67,060	1,751	5	56,862	205	22 & 23
1996-1998	64,628	2,043	14	58,232	211	22 & 23
1997-1999	64,794	2,069	16	59,826	216	22 & 23
1998-2000	68,565	1,960	10	60,989	199	21 & 22
1999-2001	70,034	1,471	9	60,988	155	20 & 21
2000-2002	69,676	1,269	10	60,266	133	24 & 25
2001-2003	68,199	1,293	11	59,561	148	24 & 25
2002-2004	70,700	1,390	8	59,242	168	20 & 21
2003-2005	74,231	1,341	4	59,359	169	21 & 22
2004-2006	75,749	1,332	3	59,657	166	22 & 23
2005-2007	76,675	1,439	4	60,292	150	20 & 21
2006-2008	75,049	1,497	5	59,992	138	22 & 23
2007-2009	71,647	1,538	7	59,399	135	22 & 23
2008-2010	68,248	1,528	10	58,093	155	26 & 27
2009-2011	66,753	2,239	9	57,038	277	26 & 27
2010-2012	65,478	1,994	11	56,260	231	24 & 25
2011-2013 2/	64,673	1,561	12	55,995	184	26 & 27
2013-2015 2/	71,117	2,127	6	58,242	301	25 & 26
2014-2016 2/	73,159	1,794	6	59,550	241	27 & 28
2015-2017 2/	73,076	1,549	10	61,516	247	25 & 26
2016-2018 2/	76,759	1,816	6	62,589	294	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 2018 DOLLARS: 1984 TO 2018 -- 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 2018 Three-Year Moving Averages" <<http://www2.census.gov/programs-surveys/cps/tables/time-series/historical-income-households/h08b.xls>> accessed July 18, 2020; 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): 2014-2018

[Average of the 5-year period]

Geographic area	Median income (dollars) 1/		Percent below poverty level 2/	
	Households	Families	Persons	Families
State	78,084	90,935	9.9	6.7
County: Hawaii	59,297	71,029	16.6	11.9
Honolulu	82,906	97,139	8.7	5.7
Kalawao	61,875	123,750	10.6	25.0
Kauai	78,482	89,485	8.5	6.3
Maui	77,117	85,722	9.7	6.6
CDP: Hilo	60,120	74,271	19.0	12.2
East Honolulu	126,608	143,415	3.3	2.2
Kailua (Oahu)	112,797	126,430	5.2	3.1
Kaneohe	104,784	113,740	5.1	3.0
Pearl City	94,417	107,469	4.3	2.8
Urban Honolulu	68,873	85,776	11.3	7.4
Waipahu	77,227	80,665	11.8	9.5
Kahului	81,614	84,881	10.0	6.3
Lihue	72,179	88,702	4.7	1.4

1/ Inflation- adjusted 2018 dollars for 2014-2018.

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: Hawaii State Department of Business, Economic Development & Tourism, 2014-2018 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://census.hawaii.gov/acs/acs-2018/5-yr-dp/>> accessed June 6, 2020.

Table 13.23-- ESTIMATED MEDIAN HOUSEHOLD INCOME AND POVERTY STATUS, BY COUNTY: 2016 TO 2018

[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
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
2018					
State total	80,527	124,400	9.0	35,184	11.8
Hawaii	56,383	30,903	15.6	9,591	22.5
Honolulu	83,695	73,345	7.7	20,035	9.8
Kalawao 2/	(NA)	(NA)	(NA)	(NA)	(NA)
Kauai	73,981	6,021	8.5	1,836	11.9
Maui 2/	78,503	14,130	8.6	3,721	10.5

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 22, 2020.

Table 13.24-- INCOME OF HOUSEHOLDS AND FAMILIES: 2016 TO 2018

[Data based on a sample and may be subject to sampling variation]

Income	Households		Families	
	Number	Percent	Number	Percent
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)
2018 (in 2018 inflation-adjusted dollars)	455,309	100.0	316,849	100.0
Less than \$10,000	24,091	5.3	8,444	2.7
\$10,000 to \$14,999	9,842	2.2	3,263	1.0
\$15,000 to \$24,999	27,911	6.1	12,464	3.9
\$25,000 to \$34,999	32,712	7.2	17,776	5.6
\$35,000 to \$49,999	47,812	10.5	29,475	9.3
\$50,000 to \$74,999	70,691	15.5	48,124	15.2
\$75,000 to \$99,999	60,450	13.3	46,125	14.6
\$100,000 to \$149,999	91,465	20.1	73,807	23.3
\$150,000 to \$199,999	43,919	9.6	38,315	12.1
\$200,000 or more	46,416	10.2	39,056	12.3
Median income (dollars)	80,212	(X)	95,448	(X)

X Not applicable.

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, Hawaii (annual) "DP03: Selected Economic Characteristics" <<https://data.census.gov>> accessed January 22, 2020.

Table 13.25-- INCOME TYPE AND PER CAPITA INCOME, BY COUNTY: 2013-2017 AND 2014-2018

[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 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
Households 2014- 2018						
With earnings (number)	367,315	256,434	49,342	41	17,591	43,907
Mean earnings (dollars) 1/	95,152	99,402	76,447	78,010	88,399	94,071
With Social Security income (number)	162,578	106,089	27,897	6	8,592	19,994
Mean Social Security income (dollars) 1/	19,702	19,759	19,296	7,100	20,084	19,805
With retirement income (number)	108,699	76,050	15,756	4	5,077	11,812
Mean retirement income (dollars) 1/	30,984	32,526	28,376	(2/)	28,636	25,550
With Supplemental Security income (number)	19,767	12,545	4,092	2	840	2,288
Mean Supplemental Security income (dollars) 1/	9,968	9,741	10,209	(2/)	10,616	10,550
With cash public assistance income (number)	14,042	9,348	2,762	2	491	1,439
Mean cash public assistance income (dollars) 1/	4,540	4,314	4,834	(2/)	5,027	5,285
With Food Stamp/SNAP benefits in the past 12 months	50,897	30,132	13,250	1	2,135	5,379
Per capita income (dollars) 1/	34,035	35,202	29,253	47,709	31,674	33,792

1/ In 2017-inflation adjusted dollars for 2013-2017, and 2018-inflation adjusted dollars for 2014-2018.

2/ Number of sample cases is too small to show.

Source: U.S. Census Bureau, American Community Survey 5-Year Estimates 2013-2017, "DP03: Selected Economic Characteristics: Hawaii State, and Counties" <<https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>> accessed January 25, 2019; and Ibid. 2014-2018 <<https://data.census.gov>> accessed January 22, 2020.

Table 13.26-- POVERTY STATUS OF PERSONS: 1980 TO 2018

[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/	1,338	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/ 3/	1,402	149	17	10.6	1.2
2018	1,393	128	16	9.2	1.1

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Table 13.26-- POVERTY STATUS OF PERSONS: 1980 TO 2018 -- 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, 12.3 percent in 2017 and 11.8 percent in 2018.

2/ 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.

3/ Reflects implementation of an updated CPS ASEC processing system.

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 24, 2020.

Table 13.27-- POVERTY STATUS, FOR THE STATE AND BY COUNTY: 2014-2018

[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 2014-2018.
Data in percent below poverty level]

Subject	State total	City & County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All families	6.7	5.7	11.9	25.0	6.3	6.6
With related children under 18 years	10.0	8.3	19.7	(1/)	7.6	9.7
With related children under 5 years only	9.1	7.1	21.4	(1/)	11.4	10.4
Married couple families	3.8	3.4	6.1	25.0	3.4	3.9
With related children under 18 years	4.5	4.1	7.5	(1/)	2.7	5.2
With related children under 5 years only	3.2	3.0	4.8	(1/)	1.9	3.4
Families with female householder, no husband present	17.9	15.7	30.1	(1/)	14.8	16.0
With related children under 18 years	26.9	24.4	42.7	(1/)	16.9	22.2
With related children under 5 years only	33.5	29.1	47.3	(1/)	31.9	35.7
All people	9.9	8.7	16.6	10.6	8.5	9.7
Under 18 years	12.5	10.7	23.4	(1/)	7.9	11.7
Related children under 18 years	12.1	10.3	23.1	(1/)	7.5	11.1
Related children under 5 years	13.9	11.1	29.2	(1/)	10.6	15.4
Related children 5 to 17 years	11.3	10.0	20.8	(1/)	6.3	9.5
18 years and over	9.2	8.2	14.7	10.6	8.6	9.2
18 to 64 years	9.6	8.3	16.5	11.9	9.2	9.5
65 years and over	8.0	7.8	9.4	0.0	6.7	7.9
People in families	6.9	5.9	12.9	15.0	5.6	6.7
Unrelated individuals 15 years and over	24.3	23.1	31.6	8.7	21.5	22.8

1/ Either there were no sample observations or too few sample observations were available to compute an estimate.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates, "DP03: Selected Economic Characteristics: Hawaii State, and Counties" <<https://data.census.gov/>> accessed July 19, 2020.

Table 13.28-- POVERTY INCOME GUIDELINES FOR HAWAII, THE 48 CONTIGUOUS STATES, AND ALASKA: 2011 TO 2020

[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	
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
Jan. 15, 2020	14,680	19,830	24,980	30,130	35,280	40,430	45,580	50,730	5,150
Jan. 20, 2011 U.S. 1/ Alaska	10,890 13,600	14,710 18,380	18,530 23,160	22,350 27,940	26,170 32,720	29,990 37,500	33,810 42,280	37,630 47,060	3,820 4,780
Jan. 26, 2012 U.S. 1/ Alaska	11,170 13,970	15,130 18,920	19,090 23,870	23,050 28,820	27,010 33,770	30,970 38,720	34,930 43,670	38,890 48,620	3,960 4,950
Jan. 24, 2013 U.S. 1/ Alaska	11,490 14,350	15,510 19,380	19,530 24,410	23,550 29,440	27,570 34,470	31,590 39,500	35,610 44,530	39,630 49,560	4,020 5,030
Jan. 22, 2014 U.S. 1/ Alaska	11,670 14,580	15,730 19,660	19,790 24,740	23,850 29,820	27,910 34,900	31,970 39,980	36,030 45,060	40,090 50,140	4,060 5,080
Jan. 22, 2015 U.S. 1/ Alaska	11,770 14,720	15,930 19,920	20,090 25,120	24,250 30,320	28,410 35,520	32,570 40,720	36,730 45,920	40,890 51,120	4,160 5,200
Jan. 25, 2016 U.S. 1/ Alaska	11,880 14,840	16,020 20,020	20,160 25,200	24,300 30,380	28,440 35,560	32,580 40,740	36,730 45,920	40,890 51,120	4,160 5,200
Jan. 26, 2017 U.S. 1/ Alaska	12,060 15,060	16,240 20,290	20,420 25,520	24,600 30,750	28,780 35,980	32,960 41,210	37,140 46,440	41,320 51,670	4,180 5,230
Jan. 13, 2018 U.S. 1/ Alaska	12,140 15,180	16,460 20,580	20,780 25,980	25,100 31,380	29,420 36,780	33,740 42,180	38,060 47,580	42,380 52,980	4,320 5,400
Jan. 11, 2019 U.S. 1/ Alaska	12,490 15,600	16,910 21,130	21,330 26,660	28,750 32,190	30,170 37,720	34,590 43,250	39,010 48,780	43,430 54,310	4,420 5,530
Jan. 15, 2020 U.S. 1/ Alaska	12,760 15,950	17,240 21,550	21,720 27,150	26,200 32,750	30,680 38,350	35,160 43,950	39,640 49,550	44,120 55,150	4,480 5,600

Continued on next page.

Table 13.28-- POVERTY INCOME GUIDELINES FOR HAWAII, THE 48 CONTIGUOUS STATES, AND ALASKA: 2011 TO 2020 -- 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; 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; and for 2020 <<https://aspe.hhs.gov/prior-hhs-poverty-guidelines-and-federal-register-references>> accessed February 3, 2020.

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 Francisco	San Diego	Portland	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: 2017-2018

[Averages over two-year period. Number in units, unless otherwise specified. Expenditures in dollars. See also "Consumer Expenditures Honolulu Metropolitan Area: 2017-18" <https://www.bls.gov/regions/west/news-release/consumerexpenditures_honolulu.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	68,276	60,710	68,129	80,733	79,672	84,864	66,908	73,670	71,855
Food	8,947	10,985	8,974	10,146	10,613	11,412	7,817	9,106	9,031
Food at home	4,962	5,899	4,543	5,192	5,580	6,195	3,926	5,256	5,779
Cereals and bakery products	618	691	563	644	700	763	534	606	790
Meats, poultry, fish, and eggs	1,024	1,467	1,030	1,165	1,334	1,217	677	1,237	1,202
Dairy products	513	508	431	543	520	645	367	492	550
Fruits and vegetables	998	1,265	955	1,091	1,033	1,358	695	1,184	1,011
Other food at home	1,808	1,968	1,563	1,749	1,993	2,212	1,654	1,737	2,226
Food away from home	3,985	5,086	4,431	4,954	5,033	5,217	3,890	3,850	3,252
Alcoholic beverages	702	517	657	800	1,218	1,124	527	772	878
Housing	23,035	23,045	24,326	31,786	28,591	29,269	20,730	25,164	22,619
Shelter	14,470	14,710	16,613	21,578	19,562	18,966	10,767	15,149	13,688
Owned dwellings	7,575	7,376	7,767	10,932	10,176	10,040	6,251	7,907	8,133
Rented dwellings	6,029	6,949	8,063	9,362	8,061	7,764	3,568	6,283	4,682
Other lodging	867	385	783	1,285	1,325	1,162	948	960	873
Utilities, fuels, and public services	3,910	4,416	3,787	4,385	3,689	4,004	4,337	4,126	4,744
Household operations	1,657	1,263	1,554	3,230	2,180	2,399	1,770	2,001	1,254
Housekeeping supplies	838	838	757	703	833	923	912	1,065	845
Household furnishings and equip.	2,159	1,817	1,616	1,890	2,327	2,977	2,944	2,822	2,088
Apparel and services	2,059	1,634	2,089	2,134	2,582	3,155	2,120	2,359	2,277
Transportation	10,550	6,611	9,273	9,138	11,363	11,999	12,720	11,218	11,290
Vehicle purchases (net outlay)	4,405	1,595	2,966	2,860	3,737	4,412	6,531	4,591	5,025
Gasoline and motor oil	2,293	1,800	2,706	1,977	2,487	2,175	2,041	2,026	2,366
Other vehicle expenses	2,931	2,202	2,683	2,797	3,523	3,978	3,537	3,420	2,509
Public and other transportation	921	1,014	918	1,504	1,616	1,434	610	1,181	1,390

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Table 13.31-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR SELECTED WESTERN METROPOLITAN STATISTICAL AREAS: 2017-2018 -- Con.

Item	All consumer units in the West 1/	Honolulu	Los Angeles	San Francisco	San Diego	Seattle	Phoenix	Denver	Anchor-age
Healthcare	4,834	4,134	3,890	4,602	5,174	5,355	6,038	5,820	5,233
Entertainment	3,729	2,665	2,853	3,309	4,576	4,334	3,776	4,431	4,376
Personal care products and services	864	798	811	950	1,020	911	1,004	1,318	784
Reading	117	53	94	177	124	157	78	129	108
Education	1,521	1,074	2,334	3,746	1,264	2,047	804	1,461	1,116
Tobacco products & smoking supplies	261	178	211	93	147	298	554	294	535
Miscellaneous	1,201	358	1,247	1,664	1,639	1,454	930	1,144	1,069
Cash contributions	2,387	1,456	1,654	2,461	1,793	2,630	1,376	1,992	1,802
Personal insurance and pensions	8,070	7,202	9,716	9,728	9,567	10,719	8,434	8,463	10,736
Life and other personal insurance	374	289	393	318	593	411	332	317	529
Pensions and Social Security	7,696	6,912	9,323	9,410	8,974	10,308	8,102	8,146	10,207
Number of consumer units (1,000's)	28,992	537	6,605	1,856	1,147	1,872	1,279	1,344	210
Consumer unit characteristics									
Income before taxes	82,878	94,905	82,119	122,977	100,327	117,499	71,250	95,984	93,396
Age of reference person	49.9	56.6	49.2	51.5	49.2	45.5	51.9	48.0	51.8
Average number in consumer unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
People	2.6	2.8	2.8	2.5	2.7	2.4	2.5	2.5	2.4
Children under 18	0.7	0.6	0.7	0.5	0.7	0.6	0.6	0.7	0.5
Adults 65 and older	0.4	0.6	0.3	0.4	0.4	0.2	0.4	0.3	0.3
Earners	1.4	1.5	1.5	1.4	1.3	1.5	1.2	1.5	1.5
Vehicles	2.0	1.8	1.7	1.7	2.2	2.0	2.0	2.0	2.4
Percent homeowner	59.0	62.0	52.0	57.0	55.0	55.0	68.0	62.0	63.0

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 2019) <<https://www.bls.gov/cex/tables.htm>> accessed July 15, 2020.

**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: 2012 TO 2018

[In millions of current dollars. BEA revised estimates in this series 2014 to 2017]

Industry	2012	2013	2014	2015	2016	2017	2018
Personal consumption expenditures (PCE)	53,034	54,876	57,788	60,111	62,839	65,911	69,262
Goods	16,859	17,428	18,153	18,468	19,167	20,130	21,212
Durable goods	5,363	5,597	5,842	6,066	6,360	6,742	7,089
Motor vehicles & parts	1,434	1,537	1,623	1,741	1,786	1,844	1,882
Furnishings & durable household equipment	1,163	1,203	1,262	1,326	1,396	1,479	1,553
Recreational goods & vehicles	1,908	1,978	2,049	2,080	2,242	2,447	2,577
Other durable goods	858	880	909	920	935	972	1,076
Nondurable goods	11,496	11,831	12,311	12,401	12,807	13,388	14,123
Food & beverages purchased for off-premises consumption	4,800	5,016	5,205	5,341	5,528	5,838	6,172
Clothing and footwear	1,175	1,166	1,222	1,235	1,260	1,240	1,372
Gasoline & other energy goods	1,153	1,095	1,016	743	711	788	898
Other nondurable goods	4,367	4,554	4,868	5,083	5,308	5,522	5,681
Services	36,176	37,448	39,635	41,644	43,672	45,781	48,050
Household consumption expenditures (for services)	33,754	35,024	37,046	39,010	40,803	42,795	44,873
Housing and utilities	11,216	11,671	12,338	13,001	13,587	14,137	14,634
Health care	7,431	7,590	7,992	8,579	9,198	9,745	10,318
Transportation services	1,660	1,781	1,851	1,871	1,984	2,098	2,228
Recreation services	1,801	1,920	1,995	2,033	2,057	2,127	2,189
Food services & accom.	2,784	2,930	3,114	3,307	3,492	3,704	3,871
Financial services & insurance	4,071	4,214	4,533	4,786	4,919	5,172	5,528
Other services	4,791	4,918	5,224	5,434	5,567	5,813	6,106
Final consumption expenditures of nonprofit institutions serving households (NPISHs)	2,422	2,424	2,589	2,633	2,869	2,985	3,177
Gross output of nonprofit institutions	6,645	6,797	7,248	7,631	8,211	8,540	8,968
Less: Receipts from sales of goods & serv. by nonprof. inst.	4,223	4,373	4,659	4,998	5,342	5,554	5,790

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP1 Total personal consumption expenditures (PCE) by state: 1997 to 2018

<<https://www.bea.gov/itable/itable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed

October 3, 2019. See also "Personal Consumption Expenditures, By State: 2018" (October 3, 2019)

<<https://www.bea.gov/news/2019/personal-consumption-expenditures-state-2018>> accessed October 3, 2019.

**Table 13.38-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA,
BY MAJOR TYPE OF PRODUCT: 2012 TO 2018**

[Per capita PCE estimates are in current dollars, and reflect Census Bureau midyear population estimates, for years 2012-2018 available as of December 2018. Per capita values are computed from unrounded data. 2014 to 2017 revised from previous *Data Book*]

Industry	2012	2013	2014	2015	2016	2017	2018
Personal consumption expend. (PCE) per cap.	38,078	38,973	40,844	42,258	44,001	46,279	48,759
Goods	12,104	12,377	12,830	12,983	13,421	14,134	14,933
Durable goods	3,850	3,975	4,129	4,265	4,453	4,734	4,991
Motor vehicles & parts	1,029	1,091	1,147	1,224	1,251	1,295	1,325
Furnishings & durable household equipment	835	854	892	932	978	1,039	1,094
Rec. goods & vehicles	1,370	1,405	1,448	1,462	1,570	1,718	1,814
Other durable goods	616	625	642	646	655	682	758
Nondurable goods	8,254	8,402	8,701	8,718	8,968	9,400	9,942
Food & bev. purchased for off-premises consumption	3,446	3,562	3,679	3,754	3,871	4,099	4,345
Clothing and footwear	844	828	864	868	882	871	966
Gasoline & other energy goods	828	778	718	523	498	553	632
Other nondurable goods	3,135	3,234	3,441	3,573	3,717	3,877	3,999
Services	25,974	26,596	28,013	29,275	30,581	32,145	33,827
Household consumption expenditures (for services)	24,235	24,874	26,184	27,424	28,572	30,049	31,590
Housing and utilities	8,053	8,289	8,720	9,139	9,514	9,927	10,302
Health care	5,335	5,391	5,649	6,031	6,441	6,842	7,264
Transportation services	1,192	1,265	1,308	1,315	1,389	1,473	1,568
Recreation services	1,293	1,364	1,410	1,429	1,440	1,493	1,541
Food services & accom.	1,999	2,081	2,201	2,325	2,445	2,601	2,725
Financial services & insur.	2,923	2,992	3,204	3,365	3,444	3,631	3,891
Other services	3,440	3,493	3,692	3,820	3,898	4,081	4,299
Final cons. expend. of of nonprofit inst. serving households (NPISHs)	1,739	1,721	1,830	1,851	2,009	2,096	2,237
Gross output of nonprofit institutions	4,771	4,827	5,123	5,365	5,749	5,996	6,313
Less: Receipts from sales of goods & serv. by nonprof. inst.	3,032	3,106	3,293	3,514	3,741	3,900	4,076

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP2 Per capita personal consumption expenditures (PCE) by state, 1997-2018 <<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed October 3, 2019. See also "Personal Consumption Expenditures, By State: 2018" (October 3, 2019) <<https://www.bea.gov/news/2019/personal-consumption-expenditures-state-2018>> 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: 2012 TO 2018**

[In current dollars. Per capita PCE estimates are in current dollars, and reflect Census Bureau midyear population estimates, for years 2012 to 2017 available as of December 2018. Per capita values are computed from unrounded data. 2014 to 2017 revised from previous *Data Book*]

State	2012	2013	2014	2015	2016	2017	2018
U.S. average	35,026	35,762	37,108	38,278	39,440	40,922	42,757
Hawaii	38,078	38,973	40,844	42,258	44,001	46,279	48,759
Hawaii as % of U.S.	108.7	109.0	110.1	110.4	111.6	113.1	114.0
Alabama	28,827	29,290	30,124	30,843	31,497	32,527	33,904
Alaska	41,719	42,218	43,886	45,345	46,205	48,053	50,246
Arizona	30,467	30,910	31,770	32,438	33,059	34,471	35,906
Arkansas	28,212	28,846	29,796	30,596	31,628	32,913	34,095
California	36,701	37,419	39,014	40,743	42,549	44,502	46,981
Colorado	35,938	36,617	38,006	39,268	40,552	42,215	44,174
Connecticut	43,786	44,899	46,691	47,998	49,215	50,893	52,941
Delaware	37,479	38,174	39,475	40,573	41,416	42,536	44,103
Dist. of Col.	53,294	54,126	55,497	57,567	58,795	60,471	63,151
Florida	34,396	34,918	36,406	37,700	38,447	39,539	41,148
Georgia	30,234	30,922	32,111	32,858	33,788	34,965	36,488
Hawaii	38,078	38,973	40,844	42,258	44,001	46,279	48,759
Idaho	29,015	30,120	31,276	32,472	33,761	35,322	36,777
Illinois	36,252	36,891	38,372	39,835	41,213	42,979	45,085
Indiana	31,630	32,142	32,955	33,797	34,832	36,354	37,680
Iowa	32,727	33,397	34,501	35,361	36,361	37,706	38,944
Kansas	31,927	32,505	33,567	34,439	35,324	36,478	37,897
Kentucky	29,348	29,844	30,752	31,696	32,720	33,828	35,150
Louisiana	30,419	31,098	32,143	33,062	33,713	34,696	36,104
Maine	37,947	38,675	39,806	40,809	41,836	43,436	45,497
Maryland	38,890	39,555	40,923	42,252	43,593	45,207	46,820
Massachusetts	45,342	46,271	47,958	49,725	51,292	53,286	55,095
Michigan	33,648	34,323	35,517	36,607	37,795	39,118	40,764
Minnesota	38,353	39,252	40,621	41,887	43,397	45,439	47,434
Mississippi	26,785	27,256	27,864	28,434	29,109	29,942	31,083
Missouri	34,081	34,595	35,401	36,384	37,291	38,618	40,060
Montana	34,692	35,727	36,911	38,189	39,236	40,933	42,698
Nebraska	34,752	35,521	36,611	37,610	38,831	40,190	41,690
Nevada	35,199	35,912	37,304	38,220	39,074	39,997	41,458
New Hampshire	43,654	44,861	45,968	47,201	48,335	50,034	52,120
New Jersey	43,374	44,384	46,223	47,694	49,047	50,541	52,729

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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: 2012 TO 2018 -- Con.**

State	2012	2013	2014	2015	2016	2017	2018
New Mexico	30,285	30,910	32,055	32,975	33,757	34,687	36,258
New York	40,637	41,897	44,274	45,833	47,668	49,857	52,701
North Carolina	29,256	30,018	30,998	31,903	32,856	34,179	35,718
North Dakota	42,314	44,293	46,536	46,342	45,871	46,814	48,499
Ohio	34,219	34,912	36,048	37,137	38,040	39,341	40,852
Oklahoma	29,449	30,034	31,141	31,602	32,167	32,966	34,500
Oregon	34,054	35,039	36,540	38,021	39,160	40,870	42,717
Pennsylvania	37,222	37,997	39,145	40,239	41,316	42,760	44,805
Rhode Island	37,253	38,099	39,476	40,889	41,893	43,266	45,144
South Carolina	29,405	30,182	31,159	31,853	32,726	33,637	34,689
South Dakota	35,930	37,178	38,441	39,689	40,961	42,491	44,149
Tennessee	30,010	30,376	31,529	32,491	33,539	34,886	36,340
Texas	32,469	33,203	34,505	35,302	36,134	37,396	39,045
Utah	29,782	30,456	31,757	33,009	34,483	35,801	37,721
Vermont	40,821	42,351	44,051	45,333	46,429	47,882	49,950
Virginia	37,995	38,515	39,713	40,843	42,085	43,457	45,139
Washington	37,392	38,314	39,719	41,120	42,427	44,235	46,574
West Virginia	30,204	30,713	31,579	32,516	33,489	34,604	36,071
Wisconsin	34,760	35,659	36,845	37,896	39,152	40,611	42,456
Wyoming	36,864	37,815	39,148	39,423	39,604	40,921	42,766

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP2 Per capita personal consumption expenditures (PCE) by state, 1997-2018

<<https://www.bea.gov/itable/itable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed October 3, 2019. See also "Personal Consumption Expenditures, By State: 2018" (October 3, 2019)

<<https://www.bea.gov/news/2019/personal-consumption-expenditures-state-2018>> accessed October 3, 2019; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

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: 2009 TO 2019

Name	Residence	Age (yrs)	Net worth (million dollars)	Rank	Primary sources
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	Honolulu	50	9,600	1/ 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
2019 Omidyar, Pierre	Honolulu	52	13,001	36	eBay, PayPal

1/ Tied with Jan Koum of Santa Clara, California whose 'Primary source' is listed as 'WhatsApp'.

Source: *Forbes*, "The Forbes 400 Richest Americans, 2009" <<http://www.forbes.com/400richest/>> 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; for 2018 accessed January 25, 2019; and for 2019 <<http://www.forbes.com/wealth/forbes-400/list>> accessed January 23, 2020.

**Table 13.43-- HOUSEHOLD DEBT PER CAPITA FOR HAWAII AND
THE UNITED STATES AVERAGE: 1999 TO 2019**

[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	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
2019	74,230	3,920	4,290	56,160	3,780	1,120,800
U. S. average 4/						
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

Continued on next page.

**Table 13.43-- HOUSEHOLD DEBT PER CAPITA FOR HAWAII AND
THE UNITED STATES AVERAGE: 1999 TO 2019 -- Con.**

Year 1/	Total 2/	Auto loan	Credit card	Mortgage	Student loan	Population 3/
U. S. average - Con. 4/						
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	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
2019	51,580	4,850	3,390	34,790	5,510	273,188,864

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/ 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. 2003-2019 (March 2020 unpublished correction)

<https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx>
accessed June 16, 2020.

Table 13.44-- HOUSEHOLD DEBT DELINQUENCY PER CAPITA FOR HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2019

[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	3.34	6.20	1.30	9.93
2018	3.71	6.24	1.09	9.15
2019	4.09	7.17	0.71	14.29
U. S. average 2/				
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	4.03	7.51	1.22	(NA)
2018	4.41	7.58	1.04	(NA)
2019	4.87	8.12	0.96	(NA)

Continued on next page.

**Table 13.44-- HOUSEHOLD DEBT DELINQUENCY PER CAPITA FOR
HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2019 -- Con.**

NA Not available.

1/ For the fourth quarter of the year indicated.

2/ 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. 2003-2019 (February 2020 unpublished correction)
<https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx>
accessed June 16, 2020.

Table 13.45-- HOUSEHOLD DEBT PER CAPITA FOR EACH OF THE 50 STATES, THE DISTRICT OF COLUMBIA, PUERTO RICO, AND THE UNITED STATES AVERAGE: 2019

[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)	51,580	4,850	3,390	34,790	5,510
Dist. of Columbia	1	88,450	3,090	4,420	64,700	13,420
Hawaii	2	74,230	3,920	4,290	56,160	3,780
Colorado	3	73,890	4,850	3,820	55,510	6,230
California	4	73,400	4,710	3,810	57,170	4,640
Maryland	5	72,310	5,430	4,120	52,070	6,910
Washington	6	67,440	4,470	3,660	51,220	4,330
Virginia	7	66,140	4,900	4,000	47,810	6,050
Massachusetts	8	65,500	3,990	3,760	47,770	6,180
Utah	9	62,090	5,370	3,170	45,900	4,290
Connecticut	10	59,840	3,760	4,020	42,340	6,160
Alaska	11	59,630	4,960	4,440	42,860	3,970
New Jersey	12	59,100	4,160	4,170	41,020	6,210
New Hampshire	13	56,640	5,560	3,630	37,480	5,890
Oregon	14	56,620	4,010	3,200	40,740	5,820
Minnesota	15	55,380	4,220	3,380	38,510	6,310
Delaware	16	55,290	5,040	3,520	37,830	6,070
Nevada	17	54,830	5,410	3,630	38,900	4,270
Arizona	18	54,290	5,350	3,460	37,620	5,260
New York	19	51,280	3,780	4,010	34,030	6,180
Rhode Island	20	51,170	3,970	3,540	34,680	5,640
Idaho	21	50,470	4,760	2,930	34,210	5,020
Georgia	22	49,720	5,640	3,470	30,240	7,440
Wyoming	23	47,670	5,390	3,130	32,950	3,690
Illinois	24	47,510	4,360	3,410	31,260	5,970
Florida	25	47,380	5,380	3,730	29,970	5,020
North Carolina	26	47,260	5,230	3,120	30,100	5,470
Montana	27	46,660	4,340	3,060	31,550	4,620
Vermont	28	46,490	5,250	3,130	29,130	5,880
North Dakota	29	45,550	5,530	3,200	28,490	5,500
South Carolina	30	45,420	5,000	3,020	28,030	6,050
Texas	31	45,290	6,880	3,470	27,450	5,100
Maine	32	43,740	4,670	2,960	27,200	5,440

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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: 2019 -- Con.

Year 1/	Rank 2/	Total 3/	Auto loan	Credit card	Mortgage	Student loan
Pennsylvania	33	43,440	4,310	3,260	26,090	6,420
South Dakota	34	43,050	4,610	2,970	26,690	5,150
Tennessee	35	42,500	4,780	2,760	26,510	5,190
Wisconsin	36	41,760	4,000	2,770	27,580	4,940
Nebraska	37	41,610	4,250	3,000	26,660	5,170
New Mexico	38	41,000	5,690	2,860	25,810	4,100
Iowa	39	40,740	4,630	2,650	25,660	5,330
Missouri	40	40,380	4,460	2,800	25,090	5,370
Michigan	41	40,160	3,980	2,860	24,760	5,910
Louisiana	42	39,740	5,950	2,690	22,550	5,580
Indiana	43	39,570	4,460	2,700	24,320	5,290
Ohio	44	39,450	4,590	2,890	22,860	6,320
Kansas	45	38,720	4,190	2,930	23,960	5,540
Alabama	46	38,000	5,150	2,550	21,880	5,120
Oklahoma	47	35,110	5,510	2,710	20,100	4,560
Kentucky	48	34,910	4,120	2,480	20,310	4,980
Arkansas	49	33,950	5,520	2,530	18,950	4,540
Mississippi	50	33,140	5,220	2,240	16,260	5,900
West Virginia	51	30,580	5,190	2,390	15,980	4,180
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 1999-2016" (May 2017) accessed June 13, 2017; and Ibid. 2003-2019 (February 2020 unpublished correction) <https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx> accessed June 16, 2020.

Table
Number **Table Name**

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

Narrative

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14.02	Regional Price Parities (RPPs), All Items, by State and for Hawaii, by Component: 2008 to 2018
14.03	Implicit Regional Price Deflator, by State: 2008 to 2018
14.04	Consumer Price Index, for All Urban Consumers (CPI-U), All Items, for Urban Hawaii and United States, 1940 to 2019
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Table
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14.27	Per Diem Rates for Military in Hawaii, by Island or Installation

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. Periodic comparisons of individual or groups of products and services are sometimes compiled.

The U.S. Census Bureau compiles data on rent and mortgage costs and various trade and advocacy group compile data on Hawaii prices as part of their 50-state analysis.

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 2019**

[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 2019 (see Table 13.03) but Real (Chained- 2012 dollar) GDP is not available before 1977. NAICS 2014 to 2018 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	104.461	103.638
1995	95.477	96.820	2015	107.158	104.717
1996	97.425	98.453	2016	108.794	105.801
1997	100.000	100.000	2017	110.795	107.794
			2018	113.485	110.420
			2019	116.492	112.345

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 2019.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (July 7, 2020)
<http://www.bea.gov/iTable/index_regional.cfm> accessed July 7, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE, AND FOR HAWAII,
BY COMPONENT: 2008 TO 2018**

[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. Revised from previous *Data Book*]

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Hawaii: All items	118.1	117.1	117.2	116.9	117.8	118.3	118.4	119.2	118.9	118.8	118.1
Goods	106.1	106.8	107.1	108.5	109.3	109.3	109.5	110.5	112.1	112.1	110.9
Services: rents	167.5	164.6	159.2	157.3	159.1	159.3	159.0	163.4	157.2	156.3	148.9
Services: other	109.3	106.6	104.2	103.0	103.7	104.7	104.5	104.1	103.4	103.5	104.6
Alabama	87.6	87.5	87.9	87.7	88.1	87.8	87.1	86.8	86.1	86.1	86.4
Alaska	106.9	106.9	105.5	105.1	105.4	104.9	106.3	105.5	105.7	105.0	104.8
Arizona	100.6	100.1	98.6	97.9	97.1	96.5	96.0	96.1	95.8	96.1	96.5
Arkansas	86.9	86.6	87.7	87.6	87.8	87.8	86.9	87.4	86.8	86.2	85.3
California	113.1	112.9	113.6	113.4	112.9	113.1	113.7	113.8	114.7	115.0	115.4
Colorado	100.4	101.1	100.9	101.4	101.1	102.1	102.0	102.3	101.7	102.2	101.9
Connecticut	110.7	110.4	109.4	109.0	109.2	108.5	108.6	108.5	107.3	106.8	106.1
Delaware	102.0	103.2	102.8	101.8	101.2	100.6	101.1	100.0	100.0	100.0	98.8
Dist. of Columbia	115.6	116.4	118.2	117.8	117.7	117.0	118.2	116.8	114.6	116.0	116.1
Florida	100.8	100.0	99.1	99.2	99.1	99.2	99.4	99.5	100.1	100.2	100.6
Georgia	93.5	93.1	92.3	91.9	92.2	92.3	92.0	92.8	92.7	92.8	93.0
Hawaii	118.1	117.1	117.2	116.9	117.8	118.3	118.4	119.2	118.9	118.8	118.1
Idaho	95.2	94.8	93.5	93.3	93.4	93.2	93.6	93.3	92.2	92.2	92.5
Illinois	100.2	100.9	100.9	101.1	100.7	99.7	99.3	99.0	98.7	98.5	98.1
Indiana	91.2	91.4	91.4	91.7	91.4	91.3	90.8	90.1	89.7	89.7	89.3
Iowa	88.6	89.0	89.2	90.0	90.2	90.6	90.3	89.9	90.0	90.0	89.2
Kansas	89.3	89.6	89.9	90.7	90.6	91.3	90.9	90.2	90.1	90.0	90.0
Kentucky	88.9	88.7	88.6	88.6	88.8	89.3	88.3	88.7	87.5	87.4	87.8
Louisiana	90.7	91.4	91.2	91.0	91.4	91.2	90.9	90.5	89.9	89.6	89.1
Maine	98.0	98.1	96.8	97.4	98.4	98.5	98.0	99.1	99.4	99.0	100.0
Maryland	110.3	111.3	111.0	110.9	110.1	109.9	110.2	109.6	109.0	109.0	108.4
Massachusetts	108.3	108.0	108.0	107.8	106.6	106.7	107.3	107.6	109.2	109.0	109.7
Michigan	95.4	95.2	94.7	94.6	94.5	94.3	93.6	93.0	92.8	92.8	92.4

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**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE,
AND FOR HAWAII, BY COMPONENT: 2008 TO 2018 -- Con.**

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Minnesota	97.4	97.7	97.1	97.2	97.6	97.5	97.5	97.2	97.8	97.9	97.5
Mississippi	86.4	85.8	86.7	86.8	86.5	87.2	86.2	86.2	86.0	85.2	86.0
Missouri	87.8	87.9	88.3	89.1	89.3	89.9	89.8	89.6	89.5	89.5	88.8
Montana	95.3	94.5	93.9	93.8	93.5	94.6	94.7	95.1	93.4	93.9	93.3
Nebraska	89.7	89.6	90.3	90.3	90.6	90.7	90.5	90.2	90.1	89.8	89.5
Nevada	100.8	100.7	99.9	99.8	98.7	98.7	97.5	97.3	96.0	96.5	97.5
New Hampshire	107.2	106.4	106.5	105.3	105.6	105.4	105.7	105.7	106.8	106.5	106.0
New Jersey	112.9	113.3	114.1	114.6	114.4	113.4	113.8	113.4	114.1	113.6	115.2
New Mexico	94.4	94.4	94.6	95.3	95.0	95.3	94.7	93.8	92.4	92.4	91.1
New York	115.1	115.3	115.2	115.2	115.3	115.2	115.7	115.8	116.4	116.0	116.4
North Carolina	92.0	92.1	91.3	91.5	91.7	91.8	91.4	91.2	91.3	91.6	91.8
North Dakota	88.5	89.0	89.2	89.7	91.0	91.7	91.6	92.0	91.4	90.4	90.6
Ohio	90.0	89.3	89.8	89.7	89.4	89.5	89.4	89.2	89.1	88.9	88.4
Oklahoma	88.9	89.5	89.6	89.6	89.9	90.0	89.5	89.8	88.7	88.6	88.4
Oregon	98.3	98.9	98.5	98.5	98.7	98.9	98.8	98.5	100.5	100.5	101.1
Pennsylvania	98.2	98.2	98.5	98.4	98.4	98.6	98.1	98.2	98.1	97.6	97.5
Rhode Island	100.2	100.0	99.1	99.4	98.8	98.8	99.8	99.9	100.6	99.2	99.3
South Carolina	91.1	91.5	90.4	90.8	90.8	90.5	90.0	90.3	90.7	90.7	91.1
South Dakota	86.9	85.8	86.9	87.3	88.9	88.0	88.0	88.0	88.3	88.5	87.9
Tennessee	90.5	90.5	90.2	90.3	90.8	90.7	89.8	89.9	89.6	89.7	89.9
Texas	96.5	96.4	96.3	96.2	96.2	96.3	96.5	96.7	96.6	96.8	96.8
Utah	96.8	97.8	96.9	97.2	97.1	97.7	96.8	96.4	96.0	95.9	96.6
Vermont	100.4	100.6	99.5	99.9	100.8	100.9	102.5	102.7	102.6	103.2	103.0
Virginia	102.8	103.5	103.1	103.0	103.0	102.8	102.7	102.6	102.2	102.0	102.0
Washington	103.2	103.7	103.0	102.9	103.5	104.2	104.9	105.2	106.1	106.8	107.8
West Virginia	87.0	87.5	88.4	88.5	88.6	88.6	88.2	88.7	87.8	87.2	87.8
Wisconsin	93.0	92.9	92.8	93.3	93.5	93.2	93.3	93.0	92.6	92.4	91.9
Wyoming	96.1	96.1	95.9	96.7	95.8	96.0	96.8	96.4	95.9	94.5	92.7

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (May 18, 2020) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed July 13, 2020. See also "Real Personal Income for States and Metropolitan Areas, 2018" <<https://www.bea.gov/sites/default/files/2020-05/rpp0520.pdf>> accessed July 13, 2020.

Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE: 2008 TO 2018

[Calculated as personal income divided by real personal income. Base year is 2012 and 2008 to 2017 revised from previous *Data Book*]

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Alabama	82.3	82.1	84.0	85.8	87.9	88.8	89.4	89.3	89.3	90.9	93.0
Alaska	100.4	100.3	100.7	102.9	105.2	106.2	109.2	108.6	109.7	110.8	112.9
Arizona	94.5	93.9	94.1	95.9	97.0	97.6	98.5	98.8	99.3	101.4	103.9
Arkansas	81.7	81.3	83.7	85.8	87.6	88.8	89.2	89.8	90.0	91.0	91.8
California	106.2	105.9	108.5	111.0	112.7	114.4	116.7	117.0	119.0	121.4	124.3
Colorado	94.3	94.8	96.4	99.3	101.0	103.3	104.7	105.2	105.5	107.8	109.7
Connecticut	103.9	103.5	104.5	106.7	109.0	109.8	111.5	111.6	111.3	112.8	114.2
Delaware	95.8	96.8	98.2	99.7	101.1	101.8	103.8	102.9	103.8	105.6	106.4
Dist. of Col.	108.6	109.2	112.9	115.3	117.5	118.4	121.4	120.1	118.9	122.5	125.0
Florida	94.7	93.8	94.6	97.2	98.9	100.4	102.1	102.4	103.8	105.8	108.3
Georgia	87.9	87.3	88.1	90.0	92.0	93.4	94.5	95.4	96.2	98.0	100.1
Hawaii	110.9	109.8	111.9	114.5	117.6	119.7	121.5	122.6	123.3	125.4	127.1
Idaho	89.4	88.9	89.3	91.4	93.2	94.3	96.1	96.0	95.6	97.3	99.5
Illinois	94.1	94.7	96.3	99.0	100.5	100.9	101.9	101.8	102.4	103.9	105.6
Indiana	85.7	85.7	87.3	89.8	91.2	92.4	93.3	92.7	93.1	94.7	96.2
Iowa	83.2	83.5	85.2	88.1	90.0	91.7	92.8	92.5	93.4	95.0	96.1
Kansas	83.9	84.1	85.9	88.8	90.5	92.3	93.3	92.7	93.5	95.0	96.9
Kentucky	83.5	83.2	84.6	86.7	88.7	90.3	90.6	91.2	90.7	92.3	94.6
Louisiana	85.2	85.7	87.1	89.1	91.2	92.2	93.3	93.1	93.3	94.6	96.0
Maine	92.0	92.0	92.5	95.3	98.2	99.6	100.7	101.9	103.1	104.5	107.7
Maryland	103.6	104.4	106.0	108.6	109.9	111.2	113.2	112.8	113.1	115.1	116.7
Massachusetts	101.7	101.3	103.1	105.5	106.4	107.9	110.1	110.6	113.2	115.1	118.1
Michigan	89.6	89.3	90.4	92.6	94.3	95.4	96.1	95.7	96.3	98.0	99.5
Minnesota	91.4	91.7	92.8	95.2	97.4	98.7	100.1	100.0	101.4	103.4	104.9
Mississippi	81.1	80.5	82.8	85.0	86.4	88.2	88.5	88.6	89.2	90.0	92.6
Missouri	82.5	82.4	84.3	87.2	89.2	91.0	92.2	92.1	92.9	94.5	95.6
Montana	89.5	88.6	89.7	91.8	93.4	95.7	97.2	97.8	96.9	99.1	100.4

Continued on next page.

Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE: 2008 TO 2018 -- Con.

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Nebraska	84.2	84.1	86.2	88.4	90.5	91.8	92.9	92.7	93.5	94.7	96.4
Nevada	94.6	94.4	95.4	97.7	98.6	99.8	100.1	100.0	99.6	101.9	104.9
New Hampshire	100.7	99.8	101.7	103.1	105.4	106.7	108.6	108.8	110.8	112.4	114.1
New Jersey	106.0	106.3	108.9	112.2	114.2	114.8	116.8	116.6	118.4	120.0	124.0
New Mexico	88.7	88.6	90.4	93.3	94.9	96.4	97.3	96.5	95.9	97.5	98.1
New York	108.1	108.2	110.1	112.8	115.2	116.5	118.8	119.1	120.7	122.5	125.3
North Carolina	86.4	86.4	87.2	89.5	91.5	92.9	93.8	93.8	94.7	96.7	98.9
North Dakota	83.1	83.5	85.2	87.9	90.8	92.8	94.1	94.6	94.8	95.4	97.5
Ohio	84.5	83.7	85.7	87.8	89.2	90.6	91.8	91.8	92.5	93.8	95.2
Oklahoma	83.5	84.0	85.6	87.7	89.8	91.0	91.9	92.4	92.0	93.5	95.1
Oregon	92.3	92.8	94.1	96.5	98.5	100.1	101.5	101.3	104.2	106.1	108.8
Pennsylvania	92.2	92.1	94.1	96.3	98.3	99.8	100.8	101.0	101.8	103.0	105.0
Rhode Island	94.1	93.8	94.7	97.3	98.6	99.9	102.5	102.7	104.4	104.7	106.9
South Carolina	85.6	85.8	86.4	88.9	90.7	91.6	92.4	92.9	94.1	95.8	98.1
South Dakota	81.6	80.5	83.0	85.4	88.7	89.0	90.4	90.5	91.6	93.4	94.7
Tennessee	85.0	84.9	86.1	88.4	90.6	91.8	92.2	92.4	93.0	94.7	96.8
Texas	90.6	90.5	91.9	94.2	96.0	97.4	99.1	99.5	100.2	102.2	104.2
Utah	91.0	91.7	92.5	95.2	97.0	98.8	99.4	99.2	99.7	101.3	104.1
Vermont	94.3	94.4	95.0	97.8	100.7	102.1	105.3	105.7	106.5	108.9	110.9
Virginia	96.6	97.1	98.4	100.9	102.8	104.0	105.5	105.5	106.0	107.7	109.9
Washington	97.0	97.3	98.4	100.7	103.3	105.4	107.7	108.2	110.1	112.7	116.1
West Virginia	81.7	82.1	84.4	86.7	88.4	89.6	90.6	91.2	91.1	92.1	94.5
Wisconsin	87.3	87.1	88.6	91.3	93.4	94.3	95.8	95.6	96.0	97.6	99.0
Wyoming	90.3	90.1	91.6	94.7	95.6	97.1	99.4	99.1	99.5	99.7	99.9

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (May 18, 2020) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed July 13, 2020. See also "Real Personal Income for States and Metropolitan Areas, 2018" <<https://www.bea.gov/sites/default/files/2020-05/rpp0520.pdf>> accessed July 13, 2020.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS,
ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES: 1940 TO 2019**

[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	2019	281.585	1.6	255.657	1.8

Continued on next page.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS,
ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES:
1940 TO 2019 -- 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 10, 2020.

Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR URBAN HAWAII: SEMI-ANNUAL AND ANNUAL AVERAGE, 2007 TO 2019

[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						
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
2019	281.585	280.666	282.503	277.928	276.793	279.063
Percentage change 1/						
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
2019	1.6	2.0	1.3	1.6	1.9	1.3

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 2019,

<https://www.bls.gov/regions/west/data/cpi_tables.pdf> accessed July 19, 2020.

**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, 2016 TO 2019**

[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, added component detail, 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>>]

Group	2016	2017	2018	2019
All items	265.283	272.014	277.078	281.585
Food and beverages	272.051	277.301	281.796	287.622
Food	272.998	278.202	282.565	288.541
Food at home	267.579	273.253	273.914	276.432
Cereals and bakery products	(NA)	320.545	314.378	310.230
Meats, poultry, fish, and eggs	(NA)	248.262	255.360	257.442
Dairy and related products	(NA)	230.573	226.558	236.764
Fruits and vegetables	(NA)	339.571	334.659	342.584
Other food at home	(NA)	263.614	264.316	262.397
Food away from home	273.003	277.624	285.602	295.250
Nonalc. bev. & bev. materials 1/	(NA)	328.258	337.736	344.405
Alcoholic beverages	254.162	260.376	267.326	270.301
Housing	283.565	294.510	300.679	307.889
Shelter	309.116	322.017	327.066	335.875
Rent of primary residence	303.583	313.704	319.242	325.794
Owners' equiv. rent of residences 2/	320.863	335.159	339.871	349.297
Owners' equiv. rent of prim. res. 2/	320.863	335.159	339.871	349.297
Fuel and utilities	318.341	334.333	362.400	368.109
Household energy 3/	243.208	263.579	295.374	293.676
Energy services 4/	238.477	259.124	290.309	288.611
Electricity	236.276	256.980	287.790	285.442
Utility (piped) gas service	235.752	252.444	286.182	300.105
Household furnishings & operation	148.734	146.275	146.797	146.721
Household furn. and supplies 5/	86.918	85.087	84.020	83.947
Apparel	111.736	115.762	110.259	114.795
Transportation	211.645	217.646	227.694	223.689
Private transportation	203.453	213.267	224.967	223.651
Transp. comm. less motor fuel 5/	103.473	105.172	103.337	101.804
New and used motor vehicles 6/	(NA)	108.973	107.442	104.538
New vehicles 1/	(NA)	174.289	170.179	166.341
Used cars and trucks 1/	(NA)	239.014	240.659	241.524
Motor fuel	198.214	227.755	265.785	262.456
Gasoline (all types)	203.309	233.622	272.733	269.292
Gasoline, unleaded regular 7/	212.986	244.414	285.428	280.961
Gasoline, unleaded midgrade 7/ 8/	164.233	189.983	224.844	225.556
Gasoline, unleaded premium 7/	183.356	212.037	246.398	246.794
Motor vehicle insurance 1/	(NA)	440.209	471.363	484.605

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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, 2016 TO 2019 -- Con.**

Group	2016	2017	2018	2019
Medical care	400.408	407.384	(NA)	(NA)
Recreation 8/	124.872	125.781	128.651	130.977
Education and communication 6/	149.785	144.410	142.193	143.547
Educ. and comm. commodities 5	78.951	73.630	74.451	70.246
Educ. and comm. services 5/	124.149	119.986	117.796	119.749
Tuition, other sch. fees, & childcare 1/	(NA)	1,727.619	(NA)	1,773.925
Other goods and services	484.820	488.990	497.228	504.378
Other goods 5/	119.086	119.212	117.907	117.856
Other personal services 5/	120.870	123.163	128.386	131.774
Commodity and service group				
All items	265.283	272.014	277.078	281.585
Commodities	197.263	201.985	204.871	206.547
Commodities less food & bev.	151.538	155.984	157.835	157.421
Nondurables less food & bev.	185.364	193.660	199.273	199.496
Durables	114.021	114.055	112.614	111.732
Services	324.441	332.966	340.140	347.082
Special aggregate indexes				
All items less shelter	246.306	250.295	255.550	257.895
All items less medical care	258.001	264.714	269.515	273.841
All items less energy	269.892	275.658	278.742	283.781
All items less food and energy	271.023	276.976	279.886	284.780
Energy	217.256	242.100	276.671	274.053
Commodities less food	155.419	159.942	161.936	161.599
Nondurables less food	189.629	197.834	203.537	203.900
Nondurables	230.373	236.927	242.000	245.100
Services less rent of shelter 2/	343.671	345.072	355.547	359.254
Services less medical care services	316.432	325.378	332.290	339.015

NA Not available.

1/ Indexes on a December 1977=100 base.

2/ Indexes on a December 1982=100 base.

3/ Historically and as returned via the online database called 'Fuels'.

4/ Historically and as returned via the online database called 'Gas (piped) and electricity'.

5/ Indexes on a December 2009=100 base.

6/ Indexes on a December 1997=100 base.

7/ Special index based on a substantially smaller sample.

8/ Indexes on a December 1993=100 base.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (CPI-U) All Items
Multi-screen <<https://www.bls.gov/cpi/data.htm>> accessed July 19, 2020.

**Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR
HONOLULU AND THE UNITED STATES: DECEMBER 2018 AND 2019**

[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	2018 CPI-U		2019 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
Relative importance of area	0.475	100.000	0.470	100.000
EXPENDITURE CATEGORY				
All items	100.000	100.000	100.000	100.000
Food and beverages	15.693	14.314	16.702	14.794
Food	14.953	13.341	15.771	13.771
Food at home	7.636	7.286	8.410	7.579
Cereals and bakery products	(NA)	0.962	(NA)	0.984
Meats, poultry, fish, and eggs	(NA)	1.597	(NA)	1.682
Meats, poultry, and fish	(NA)	1.504	(NA)	1.581
Dairy and related products	(NA)	0.729	(NA)	0.768
Fruits and vegetables	(NA)	1.298	(NA)	1.317
Other food at home	(NA)	1.832	(NA)	1.925
Food away from home	7.317	6.055	7.361	6.191
Alcoholic beverages	0.740	0.973	0.932	1.023
Housing	48.074	42.202	48.932	42.107
Shelter	40.133	33.259	41.335	33.158
Rent of primary residence	12.682	7.943	9.515	73.792
Tenants' and household insurance	(NA)	0.375	(NA)	0.371
Owners' equivalent rent of residences	26.146	24.054	30.874	24.071
Owners' equivalent rent of primary res.	25.333	22.711	30.613	22.864
Lodging away from home	(NA)	0.887	(NA)	0.924
Fuels and utilities	4.643	4.686	4.357	4.349
Household energy	3.154	3.585	2.493	3.266
Fuel oil and other fuels	(NA)	0.185	(NA)	0.170
Fuel oil	(NA)	0.109	(NA)	0.106
Propane, kerosene, and firewood	(NA)	0.075	(NA)	0.063
Energy services 1/	3.126	3.400	2.465	3.096
Electricity	3.006	2.607	2.359	2.405
Utility (piped) gas service	0.120	0.794	0.107	0.691
Water & sewer & trash collection serv.	(NA)	1.101	(NA)	1.083
Household furnishings and operations	3.299	4.257	3.240	4.600

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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 2018 AND 2019 -- Con.**

Group	2018 CPI-U		2019 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
EXPENDITURE CATEGORY -- Con.				
Apparel	2.373	2.959	2.674	2.810
Men's and boys' apparel	(NA)	0.735	(NA)	0.697
Women's and girls' apparel	(NA)	1.190	(NA)	1.158
Footwear	(NA)	0.658	(NA)	0.668
Infants' and toddlers' apparel	(NA)	0.138	(NA)	0.133
Jewelry and watches	(NA)	0.237	(NA)	0.154
Transportation	13.940	16.348	11.804	15.738
Private transportation	12.028	15.235	10.619	14.465
Motor fuel	3.415	3.762	2.999	3.440
Gasoline (all types)	3.396	3.671	2.991	3.362
Public transportation 2/	1.912	1.113	1.185	1.274
Medical care	6.244	8.682	6.939	8.833
Medical care commodities 3/	1.320	1.707	1.202	1.643
Medical care services 3/	4.924	6.974	5.737	7.190
Recreation	4.704	5.694	4.755	5.821
Education and communication	6.728	6.596	5.868	6.770
Other goods and services	2.244	3.204	2.325	3.127
Personal care	(NA)	2.544	(NA)	2.540
COMMODITY AND SERVICE GROUP 4/				
All items	100.000	100.000	100.000	100.000
Commodities	33.270	36.791	33.449	37.518
Commodities less food and beverages	17.577	22.477	16.747	22.724
Nondurables less food and beverages	10.116	12.524	9.757	12.045
Durables	7.461	9.953	6.990	10.679
Services	66.730	63.209	66.551	62.482

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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 2018 AND 2019 -- Con.

Group	2018 CPI-U		2019 CPI-U	
	Honolulu	U.S.	Honolulu	U.S.
SPECIAL AGGREGATE INDEXES 4/				
All items less shelter	59.867	66.741	58.665	66.842
All items less medical care	93.756	91.318	93.061	91.167
All items less energy	93.431	92.653	94.508	93.294
All items less food and energy	78.478	79.312	78.737	79.524
Energy	6.569	7.347	5.492	6.706
Commodities less food	18.317	23.450	17.679	23.747
Nondurables less food	10.856	13.497	10.689	13.068
Nondurables	25.810	26.838	26.459	26.838
Services less rent of shelter	26.767	30.325	25.450	29.696
Rent of shelter 5/	39.963	32.884	41.101	32.787
Services less medical care services	61.806	56.235	60.814	55.292

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 July 19, 2020.

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: 2018

[Data based on sample. Rank of 1 indicates highest percentage. Areas sorted in order of highest rank in 2018]

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	1,058	29.9	(X)				
Florida	1,182	33.3	1	Pennsylvania	927	29.1	24
Puerto Rico	484	33.2	(X)	Washington	1,316	29.1	24
Louisiana	854	33.0	2	North Carolina	900	29.0	28
California	1,520	32.5	3	Illinois	995	28.9	29
Hawaii	1,613	31.6	4	Rhode Island	998	28.9	29
Connecticut	1,171	31.5	5	Arizona	1,036	28.8	31
Delaware	1,108	31.3	6	Vermont	969	28.8	31
New York	1,274	31.1	7	Dist. of Col.	1,516	28.5	33
Colorado	1,289	30.7	8	Indiana	820	28.5	33
Nevada	1,108	30.6	9	Minnesota	969	28.4	35
New Jersey	1,336	30.6	9	Arkansas	731	28.3	36
Mississippi	777	30.0	11	Idaho	848	28.3	36
Georgia	1,008	29.9	12	Missouri	830	28.1	38
Maryland	1,371	29.9	12	Kansas	840	28.0	39
Massachusetts	1,295	29.9	12	Kentucky	779	27.6	40
Oregon	1,130	29.8	15	Ohio	797	27.6	40
New Mexico	830	29.7	16	Utah	1,043	27.6	40
West Virginia	735	29.7	16	Alaska	1,177	27.4	43
South Carolina	892	29.5	18	Montana	811	27.4	43
Tennessee	861	29.5	18	Wisconsin	847	27.2	45
Texas	1,046	29.5	18	Oklahoma	808	26.9	46
Virginia	1,215	29.4	21	Iowa	777	26.6	47
Maine	839	29.3	22	Nebraska	830	26.4	48
Michigan	861	29.3	22	South Dakota	734	26.3	49
Alabama	788	29.1	24	Wyoming	818	26.2	50
New Hampshire	1,090	29.1	24	North Dakota	808	24.6	51

X Not applicable.

Source: U.S. Census Bureau, 2018 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 and B25071: Median Gross Median Gross Rent as a Percentage of Household Income in the Past 12 Months (Dollars) Universe: Renter-occupied housing units paying cash rent <<http://data.census.gov/>> accessed July 19, 2020 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: 2016 TO 2018

[Data based on a sample]

Category	Hawaii	United States
Specified owner-occupied		
2016	260,626	75,022,569
2017	268,078	76,684,018
2018	265,364	77,708,394
Specified owner-occupied with a mortgage		
2016: Number	171,834	47,295,137
Percent	65.9	63.0
2017: Number	172,214	48,168,243
Percent	64.2	62.8
2018: Number	170,872	48,126,102
Percent	64.4	61.9
Specified owner-occupied without a mortgage		
2016: Number	88,792	27,727,432
Percent	34.1	37.0
2017: Number	95,864	28,515,775
Percent	35.8	37.2
2018: Number	94,492	29,582,292
Percent	35.6	38.1
Median selected monthly owner costs (in dollars)		
With a mortgage: 2016	2,239	1,486
2017	2,337	1,513
2018	2,354	1,566
Without a mortgage: 2016	492	466
2017	497	475
2018	519	498
Median selected monthly owner costs as a percentage of household income		
With a mortgage: 2016	25.4	21.5
2017	25.5	21.2
2018	25.3	21.2
Without a mortgage: 2016	(1/)	11.4
2017	(1/)	11.3
2018	(1/)	11.5

1/ The median falls in the lowest interval of an open-ended distribution.

Source: U.S. Census Bureau, American Community Survey 2018 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://data.census.gov/>> accessed July 19, 2020; 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: 2017 AND 2018

[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	
	2017	2018	2017	2018	2017	2018	2017	2018
United States	1,513	1,566	475	498	21.2	21.2	11.3	11.5
Alabama	1,123	1,164	337	360	19.1	19.1	(1/)	(1/)
Alaska	1,844	1,895	591	549	21.9	22.0	11.2	(1/)
Arizona	1,365	1,417	398	410	21.2	21.0	(1/)	(1/)
Arkansas	1,025	1,071	328	355	18.5	18.6	(1/)	(1/)
California	2,269	2,345	573	596	25.3	25.2	11.2	11.1
Colorado	1,681	1,741	454	470	21.4	21.3	(1/)	(1/)
Connecticut	1,976	2,056	843	887	22.7	22.6	14.6	14.7
Delaware	1,507	1,566	429	473	21.3	22.0	(1/)	10.2
Dist. Of Col.	2,432	2,506	683	681	21.0	20.2	(1/)	(1/)
Florida	1,423	1,471	476	495	22.9	22.9	12.0	12.1
Georgia	1,341	1,395	395	422	19.8	19.8	(1/)	10.0
Hawaii	2,337	2,354	497	519	25.5	25.3	(1/)	(1/)
Idaho	1,213	1,249	369	369	21.3	20.9	(1/)	(1/)
Illinois	1,603	1,665	617	634	21.3	21.3	12.9	13.0
Indiana	1,089	1,118	383	409	18.1	18.3	(1/)	(1/)
Iowa	1,205	1,234	457	484	18.7	18.9	11.0	11.4
Kansas	1,314	1,364	483	514	19.3	19.6	11.4	11.9
Kentucky	1,123	1,164	352	379	18.8	19.1	10.3	10.5
Louisiana	1,233	1,254	326	343	19.7	19.7	(1/)	(1/)
Maine	1,313	1,349	469	487	20.7	20.8	12.2	12.3
Maryland	1,915	1,955	596	619	21.5	21.4	10.7	10.3
Massachusetts	2,108	2,207	770	817	22.1	22.5	14.0	14.5
Michigan	1,231	1,270	466	484	19.3	19.3	11.9	12.0
Minnesota	1,500	1,559	503	534	19.7	19.7	10.4	10.8
Mississippi	1,090	1,132	328	350	20.1	19.6	10.0	10.5
Missouri	1,207	1,249	418	450	19.0	19.2	10.8	11.4
Montana	1,367	1,413	421	441	21.5	22.2	11.2	10.5
Nebraska	1,334	1,353	499	523	19.5	19.2	11.3	11.9
Nevada	1,428	1,528	397	419	22.0	22.2	(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: 2017 AND 2018 -- 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	
	2017	2018	2017	2018	2017	2018	2017	2018
New Hampshire	1,874	1,892	769	795	22.2	22.6	14.1	14.9
New Jersey	2,348	2,398	1,001	1,030	24.1	24.0	16.1	16.0
New Mexico	1,244	1,234	340	345	21.6	21.9	(1/)	(1/)
New York	2,036	2,098	726	777	22.9	22.7	13.4	13.6
North Carolina	1,242	1,284	373	400	19.6	19.7	10.1	10.6
North Dakota	1,356	1,425	434	466	18.8	18.8	(1/)	(1/)
Ohio	1,214	1,248	450	476	19.0	19.1	11.3	11.5
Oklahoma	1,183	1,214	382	398	19.8	19.3	10.2	10.5
Oregon	1,629	1,690	528	538	23.0	22.8	12.5	11.7
Pennsylvania	1,438	1,451	509	532	20.1	20.1	12.4	12.6
Rhode Island	1,782	1,830	693	715	23.1	23.2	13.7	14.1
South Carolina	1,195	1,225	351	371	19.7	20.0	(1/)	10.2
South Dakota	1,283	1,301	458	477	19.5	19.9	10.2	11.1
Tennessee	1,184	1,228	367	384	19.7	19.8	(1/)	(1/)
Texas	1,513	1,603	484	510	20.7	21.2	11.2	11.5
Utah	1,467	1,531	408	419	21.0	20.8	(1/)	(1/)
Vermont	1,527	1,560	645	656	23.2	22.6	15.0	15.5
Virginia	1,718	1,752	447	478	21.2	21.1	(1/)	10.3
Washington	1,806	1,883	569	597	22.5	22.5	11.3	11.7
West Virginia	984	1,001	312	329	18.6	18.5	(1/)	10.0
Wisconsin	1,358	1,387	526	540	19.9	19.8	12.2	12.3
Wyoming	1,386	1,440	399	423	21.0	20.3	(1/)	(1/)
Puerto Rico	828	851	140	155	27.0	27.1	(1/)	(1/)

1/ The median falls in the lowest interval of an open-ended distribution.

Source: U.S. Census Bureau, 2018 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://data.census.gov/>> accessed July 20, 2020.

Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2019

[In percent change from previous period and number. Period ending 2019 4th quarter 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 1/ (percent)	Rank 2/	Five-year (percent)	Since 1991, 1st quarter (percent)
United States 3/	5.09	(X)	32.88	177.78
Idaho	11.99	1	65.24	277.44
Utah	8.10	2	51.66	351.44
Arizona	7.00	3	46.07	247.08
Washington	6.96	4	58.72	294.73
Indiana	6.95	5	33.76	127.02
Delaware	6.69	6	22.73	119.59
West Virginia	6.66	7	14.25	126.09
Tennessee	6.58	8	40.64	184.73
Alabama	6.56	9	25.78	136.90
North Carolina	6.43	10	38.02	162.06
Colorado	6.40	11	53.06	395.14
Georgia	6.39	12	40.66	160.44
Wisconsin	6.14	13	32.58	180.45
Florida	6.11	14	48.31	230.34
Rhode Island	5.89	15	32.24	148.42
Ohio	5.76	16	31.13	116.06
Wyoming	5.76	17	15.96	265.05
South Carolina	5.67	18	36.46	162.45
Missouri	5.67	19	31.01	155.80
New Hampshire	5.39	20	32.72	169.88
New Mexico	5.33	21	21.52	157.34
Oklahoma	5.28	22	21.87	155.59
Maine	5.23	23	30.72	167.83
Oregon	5.21	24	46.54	351.96
Minnesota	5.20	25	32.71	205.55
Michigan	5.20	26	38.27	144.05
Hawaii	4.90	27	28.13	170.08
Pennsylvania	4.87	28	24.34	139.87
Montana	4.80	29	30.01	322.54
South Dakota	4.79	30	27.87	215.96
Virginia	4.75	31	22.83	174.91

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Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: 1991 TO 2019 -- Con.

State	One-year 1/ (percent)	Rank 2/	Five-year (percent)	Since 1991, 1st quarter (percent)
New Jersey	4.73	32	18.59	151.78
Kansas	4.65	33	27.50	159.43
Kentucky	4.57	34	28.89	153.91
Texas	4.47	35	35.50	205.30
California	4.23	36	36.68	195.46
New York	4.12	37	24.76	157.44
District of Columbia	4.12	38	35.96	489.03
Nebraska	3.90	39	30.25	178.53
Massachusetts	3.90	40	30.41	203.22
Vermont	3.85	41	22.33	150.09
Maryland	3.80	42	18.47	160.53
Nevada	3.75	43	55.29	174.21
Arkansas	3.70	44	19.47	130.62
Alaska	3.29	45	11.81	169.32
North Dakota	3.18	46	11.59	224.51
Louisiana	2.97	47	16.76	187.85
Mississippi	2.75	48	17.99	115.52
Iowa	2.06	49	21.25	154.00
Illinois	2.01	50	17.24	108.47
Connecticut	1.93	51	9.91	77.68

X Not applicable.

1/ One-year changes are relative to the value four quarters ago.

2/ Rank based on one-year appreciation. The lower the rank, the higher the appreciation.

3/ United States figures based on weighted average of nine Census Divisions.

Source: Federal Housing Finance Agency (FHFA) "U.S. House Prices Rise 1.3 Percent in Fourth Quarter; Up 5.1 Percent from Last Year" pp. 16-17 (February 25, 2020)

<<https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index.aspx>> accessed February 25, 2020.

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: 2018**

[Data collected during Child Care Aware of America's February 2019 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 2/	7,280	6,500	(NA)	6,500	6,240	(NA)
Alaska	11,832	9,847	6,934	8,917	7,946	5,127
Arizona	10,822	8,724	5,244	7,376	6,935	4,978
Arkansas	6,443	4,493	3,867	5,281	4,243	3,266
California	16,452	11,202	3,736	10,609	9,984	3,845
Colorado	15,600	11,700	3,884	10,400	9,360	3,185
Connecticut	15,600	12,688	3,588	11,180	10,556	3,978
Delaware	11,371	9,054	3,713	7,876	6,975	2,886
Dist. of Columbia	24,081	18,980	9,360	18,200	11,180	7,280
Florida	9,312	7,002	3,321	8,070	6,554	3,312
Georgia	8,729	6,987	(NA)	7,309	6,037	(NA)
Hawaii	14,100	9,240	2,556	9,048	8,760	6,579
Idaho	8,636	7,665	4,852	7,396	7,026	4,587
Illinois	13,762	10,432	6,505	8,616	7,953	5,272
Indiana	12,390	9,290	4,290	6,922	6,130	3,510
Iowa	10,743	8,856	3,086	7,234	6,847	2,450
Kansas	12,584	8,736	3,588	7,384	6,500	2,847
Kentucky	7,440	6,720	4,500	6,240	6,000	3,600
Louisiana 2/	8,580	7,800	3,315	7,540	6,500	(NA)
Maine	14,248	11,232	5,400	9,360	8,580	5,000
Maryland	15,403	10,484	4,476	10,858	8,315	3,746
Massachusetts	20,880	15,475	5,620	13,184	12,210	5,231
Michigan	10,287	8,315	4,385	7,006	6,615	4,389
Minnesota	16,120	12,428	(NA)	8,476	7,748	(NA)
Mississippi 2/	5,760	5,280	(NA)	4,183	3,821	(NA)
Missouri	9,880	6,849	3,818	5,720	4,962	3,054
Montana	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nebraska	12,272	11,148	(NA)	12,480	12,480	(NA)
Nevada	11,107	8,812	5,257	8,892	8,166	4,737
New Hampshire	13,044	10,603	3,188	9,524	9,184	3,324
New Jersey 2/	15,600	12,660	(NA)	(NA)	(NA)	(NA)
New Mexico	9,135	8,352	(NA)	7,937	7,494	(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:
2018 -- 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	9,182	8,349	(NA)	7,677	7,390	(NA)
Ohio	10,009	8,258	1,635	7,592	6,446	2,423
Oklahoma	8,940	6,762	3,205	7,101	6,270	3,017
Oregon	13,518	10,102	4,113	9,153	8,338	4,651
Pennsylvania 2/	11,560	9,540	(NA)	8,920	7,753	(NA)
Rhode Island 2/	10,955	9,793	5,140	9,900	8,811	4,868
South Carolina 2/	9,100	8,190	4,400	5,720	5,460	4,000
South Dakota	(NA)	6,198	4,586	(NA)	5,242	3,947
Tennessee	9,017	7,486	2,645	6,360	5,750	3,046
Texas 2/	9,864	8,294	5,576	7,940	7,782	4,998
Utah	10,002	7,714	8,362	7,498	6,684	6,364
Vermont	12,507	11,438	4,324	8,694	8,264	3,711
Virginia	14,560	11,544	5,440	10,504	8,892	3,480
Washington	14,844	11,352	4,860	11,208	9,504	4,068
West Virginia	8,029	6,934	(NA)	6,159	5,852	(NA)
Wisconsin	12,552	10,181	3,890	9,873	8,800	4,362
Wyoming 2/	9,100	7,800	5,650	8,224	7,693	5,760

NA Not available or not reported.

1/ Based on a before-/after-school for 9-month school year.

2/ State did not report costs on 2019 survey. Data from previous year adjusted for inflation.

Source: Child Care Aware of America, *Parents and the High Cost of Child Care 2019 Appendices*, Appendix I: "2018 Average Annual Cost of Full-Time Center-Based Child Care by State" (p. 3) and Appendix II: "2018 Average Annual Cost of Full-Time Family Child Care by State" (p. 5) <<http://usa.childcareaware.org/>> accessed January 24, 2020.

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 11, 2020

[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	3.234	3.380	3.612	4.028
Hawaii rank	1	1	1	1
U. S. average	2.197	2.534	2.800	2.440
Hawaii as percent of U.S. average	147.2	133.4	129.0	165.1
Alabama	1.894	2.228	2.555	2.288
Alaska	2.520	2.641	2.807	2.419
Arizona	2.336	2.619	2.867	2.498
Arkansas	1.890	2.180	2.470	2.153
California	3.116	3.293	3.410	3.337
Colorado	2.479	2.799	3.078	2.306
Connecticut	2.196	2.538	2.762	2.745
Delaware	2.216	2.582	2.807	2.436
District of Columbia	2.348	2.784	2.934	2.788
Florida	2.104	2.454	2.748	2.418
Georgia	1.999	2.327	2.634	2.500
Hawaii	3.234	3.380	3.612	4.028
Idaho	2.342	2.502	2.705	2.299
Illinois	2.405	2.741	3.139	2.430
Indiana	2.232	2.522	2.842	2.499
Iowa	2.111	2.258	2.659	2.239
Kansas	1.980	2.234	2.471	2.131
Kentucky	2.067	2.399	2.709	2.324
Louisiana	1.860	2.174	2.483	2.247
Maine	2.176	2.486	2.742	2.540
Maryland	2.245	2.665	2.907	2.490
Massachusetts	2.129	2.469	2.674	2.636
Michigan	2.256	2.542	2.872	2.449
Minnesota	2.095	2.328	2.632	2.351
Mississippi	1.841	2.137	2.458	2.139
Missouri	1.906	2.150	2.417	2.025
Montana	2.214	2.429	2.683	2.183
Nebraska	2.121	2.240	2.570	2.208
Nevada	2.635	2.838	3.016	2.613
New Hampshire	2.106	2.482	2.727	2.549
New Jersey	2.178	2.555	2.735	2.534
New Mexico	2.026	2.332	2.577	2.382
New York	2.258	2.577	2.810	2.836

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**Table 14.16-- AVERAGE GASOLINE PRICE FOR THE UNITED STATES AND
FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JULY 11, 2020 -- Con.**

Item	Regular	Mid-grade	Premium	Diesel
North Carolina	2.047	2.382	2.707	2.412
North Dakota	2.109	2.323	2.525	2.154
Ohio	2.193	2.511	2.842	2.448
Oklahoma	1.904	2.150	2.358	2.034
Oregon	2.641	2.812	2.990	2.620
Pennsylvania	2.443	2.751	3.025	2.772
Rhode Island	2.134	2.510	2.700	2.697
South Carolina	1.943	2.277	2.592	2.242
South Dakota	2.129	2.207	2.541	2.237
Tennessee	1.946	2.274	2.598	2.331
Texas	1.887	2.209	2.495	2.110
Utah	2.289	2.453	2.626	2.244
Vermont	2.159	2.499	2.760	2.528
Virginia	1.995	2.373	2.660	2.386
Washington	2.771	2.974	3.127	2.727
West Virginia	2.204	2.481	2.776	2.421
Wisconsin	2.138	2.462	2.849	2.171
Wyoming	2.144	2.346	2.599	2.352

Source: AAA's Daily Gas Prices, National Average, State Prices and Compare Prices
<<http://gasprices.aaa.com/>> accessed July 11, 2020; and calculations by the Hawaii Department of Business,
Economic Development & Tourism.

Table 14.17-- PARKING GARAGES DOWNTOWN HONOLULU, NUMBER OF SPACES AND RANK, AND PARKING RATES: 2018 AND 2019

[Ranked according to highest number of parking spaces in 2019]

Parking garage	2018			2019		
	Rank	Number of spaces	Range of monthly rates	Rank	Number of spaces	Range of monthly rates
Waterfront Plaza	1	1,255	(1/)	1	1,255	(1/)
Bishop Square - ASB/Pauahi Tower	2	1,146	(NA)	2	1,146	(NA)
Harbor Court 2/	3	1,048	140	3	1,048	> 220
Topa Financial Center	5	902	241-356	4	920	283-450
801 South St., Bldg. A 3/	4	915	130	5	915	(NA)
Executive Centre	6	864	240-360	6	864	265
Kukui Plaza	7	852	100	7	852	(NA)
801 South St., Bldg. B	8	788	130	8	788	(NA)
Pacific Guardian Center	9	771	268-427	9	771	8
Alii Place	10	718	267-382	10	718	267-382
Kauhale Kakaako	11	698	(NA)	11	698	135
Hale Pauahi	12	593	(NA)	12	593	90
Bishop Place 2/	13	564	250-415	13	564	< 415
Pacific Park Plaza	(4/)	(4/)	(4/)	14	557	204-272
South Street Garage 5/	14	550	50	15	550	50
Davies Pacific Center	16	495	(1/)	15	495	356
Harbor Square	15	495	260-425	17	495	260
215 N. King St.	17	448	100-145	18	448	120-145
Walmart	18	418	250-335	19	418	(NA)
Marin Tower	19	414	125	20	414	125
Chinatown Cultural Plaza	20	400	150	21	400	160
Century Square	21	364	(NA)	22	364	(NA)
City Financial Tower	22	343	(1/)	23	343	(NA)
Kawaiahao Plaza	23	314	(NA)	24	314	(NA)
Mark's Garage	24	308	230-446	25	285	240-350
Keauhou Lane	25	286	145-200	(4/)	(4/)	(4/)

NA Not applicable, not available, or not approved.

1/ Tenants only.

2/ Angled bracket open to left '>' indicates 'greater than'; to right '<' indicates 'less than'.

3/ 12-hour period for 2018.

4/ Not ranked in year shown.

5/ For State of Hawaii employees only.

Source: *Pacific Business News*, "Parking Garages, Downtown Honolulu" 2018 (April 26, 2019), page 24 <<https://www.bizjournals.com/pacific/datacenter/lists>> accessed July 21, 2020; and Ibid. 2019 (April 24, 2020), page 19 <<https://www.bizjournals.com/pacific/datacenter/lists>> accessed July 21, 2020.

**Table 14.18-- TOP 50 MOST EXPENSIVE CAR RENTAL DESTINATIONS
IN THE UNITED STATES: SUMMER 2019**

[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's major airport during the period spanning June 1, 2019 through August 31, 2019. 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	Cleveland	84	25	Raleigh	53
2	Cincinnati	82	27	Charlotte	52
3	Newark	81	28	Columbus	51
4	Anchorage	80	28	Atlanta	51
5	Boston	74	28	Buffalo	51
6	Pittsburgh	73	28	Sacramento	51
7	Seattle	71	32	Baltimore	50
8	Portland	70	32	Honolulu	50
9	Denver	69	34	Houston	49
9	Indianapolis	69	35	Savannah	46
11	Minneapolis	68	35	San Antonio	46
12	Washington D.C.	65	37	Tucson	45
13	Philadelphia	65	37	Chicago	45
14	Austin	61	37	Phoenix	45
15	Charleston	60	40	Milwaukee	44
16	Memphis	58	41	Salt Lake City	43
16	Oklahoma City	58	42	New Orleans	41
18	Albuquerque	57	43	Tampa	38
18	Reno	57	44	San Diego	36
20	Nashville	56	45	Dallas	35
21	New York City	55	46	Los Angeles	32
21	St. Louis	55	47	Los Vegas	31
21	Kansas City	55	48	Jacksonville	26
21	Detroit	55	49	Orlando	24
25	San Francisco	53	50	Miami	23

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"

(June 11, 2019) <<https://www.cheapcarrental.net/press.html>> accessed February 18, 2020.

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"
 <<http://www.mycarinsurance123.com/average-car-insurance-rates/>> accessed July 9, 2019.

Table 14.22-- AVERAGE ANNUAL AND RANGE OF CAR INSURANCE PREMIUMS FOR EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2020

[According to a compilation done by Business Insider of the average of rates reported by Nerdwallet, The Zebra, ValuePenguin, Bankrate, and the National Association of Insurance Commissioners. 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, insurance claims history, and more. The range and the average are presented for each state]

State	Car insurance premium		State	Car insurance premium	
	Average	Range		Average	Range
Alabama	1,439	868 - 2,078	Montana	1,498	864 - 2,525
Alaska	1,242	1,028 - 1,502	Nebraska	1,355	831 - 2,038
Arizona	1,543	973 - 2,699	Nevada	1,855	1,103 - 3,190
Arkansas	1,459	906 - 2,213	New Hampshire	1,451	819 - 2,004
California	1,647	987 - 1,815	New Jersey	1,756	1,104 - 3,013
Colorado	1,915	982 - 3,164	New Mexico	1,608	938 - 2,194
Connecticut	1,781	1,151 - 2,619	New York	1,894	1,352 - 2,752
Delaware	1,970	1,241 - 2,513	North Carolina	1,316	789 - 1,692
Dist. of Col.	1,715	1,331 - 2,793	North Dakota	1,178	773 - 1,979
Florida	2,007	1,257 - 3,370	Ohio	1,249	789 - 1,688
Georgia	1,942	1,048 - 2,619	Oklahoma	1,465	1,005 - 2,659
Hawaii	1,324	873 - 1,548	Oregon	1,598	905 - 2,205
Idaho	1,122	680 - 1,777	Pennsylvania	1,414	971 - 2,018
Illinois	1,335	885 - 2,313	Rhode Island	2,018	1,304 - 3,847
Indiana	1,166	755 - 1,489	South Carolina	1,706	973 - 2,112
Iowa	1,100	702 - 1,482	South Dakota	1,399	767 - 2,338
Kansas	1,313	863 - 2,190	Tennessee	1,365	871 - 1,821
Kentucky	1,863	939 - 3,418	Texas	1,699	1,110 - 2,594
Louisiana	2,480	1,405 - 3,525	Utah	1,606	873 - 2,538
Maine	1,510	704 - 2,340	Vermont	1,207	764 - 1,769
Maryland	1,463	896 - 2,431	Virginia	1,127	843 - 1,498
Massachusetts	1,385	1,129 - 1,866	Washington	1,106	918 - 1,691
Michigan	3,343	1,272 - 8,723	West Virginia	1,410	1,026 - 2,131
Minnesota	2,040	875 - 2,693	Wisconsin	1,241	737 - 1,590
Mississippi	1,450	994 - 2,208	Wyoming	1,246	847 - 2,118
Missouri	1,560	872 - 2,584			

Source: Business Insider "The average cost of car insurance in the U.S." (May 29, 2020)
<https://www.businessinsider.com/personal-finance/average-cost-of-car-insurance>
 accessed July 21, 2020.

Table 14.23-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2009 TO 2020

[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/											
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Atlanta, GA	(NA)	(NA)	(NA)	(NA)	(NA)	147	103	78	83	95	69	60
Boston, MA	(NA)	(NA)	(NA)	(NA)	123	109	64	47	51	70	49	41
Chicago, IL	50	(NA)	(NA)	(NA)	(NA)	85	42	34	31	51	37	30
Cleveland, OH	(NA)	(NA)	(NA)	(NA)	(NA)	167	133	110	100	125	106	93
Dallas, TX	(NA)	(NA)	(NA)	(NA)	(NA)	125	77	62	62	85	62	52
Detroit, MI	(NA)	(NA)	(NA)	(NA)	(NA)	160	122	103	95	116	90	80
Honolulu, HI	41	(NA)	(NA)	(NA)	117	97	52	37	35	54	38	28
Houston, TX	(NA)	(NA)	(NA)	(NA)	(NA)	143	92	75	74	86	59	51
Los Angeles, CA	23	55	(NA)	(NA)	(NA)	62	36	27	23	35	18	17
Miami, FL	45	(NA)	(NA)	(NA)	114	98	56	45	41	60	44	37
Minneapolis, MN	(NA)	(NA)	(NA)	(NA)	(NA)	156	115	91	86	102	78	69
Morristown, NJ	(NA)	(NA)	(NA)	(NA)	(NA)	132	88	71	81	97	70	62
New York City, NY	8	27	32	33	24	16	16	11	9	13	9	6
Pittsburgh, PA	(NA)	(NA)	(NA)	(NA)	(NA)	162	130	112	107	125	97	91
Portland, OR	(NA)	(NA)	(NA)	(NA)	(NA)	166	135	117	115	130	107	92
San Francisco, CA	34	(NA)	(NA)	(NA)	92	74	37	26	21	28	16	16
Seattle, WA	(NA)	(NA)	(NA)	(NA)	(NA)	153	106	83	76	90	64	55
St. Louis, MO	(NA)	(NA)	(NA)	(NA)	(NA)	161	130	108	100	122	94	83
Washington, DC	(NA)	111	(NA)	(NA)	(NA)	92	50	38	39	56	42	32
White Plains, NY	31	(NA)	(NA)	(NA)	(NA)	81	71	61	64	79	56	48
Winston Salem, NC	(NA)	197	(NA)	(NA)	(NA)	182	157	147	140	161	138	132

Continued on next page.

**Table 14.23-- COST OF LIVING GLOBAL RANK FOR SELECTED
MAJOR CITIES IN THE UNITED STATES: 2009 TO 2020 -- 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; Ibid. 2020 Mercer's Cost of Living Survey helps employers navigate expatriate packages, essential due to uncertainty from pandemic (June 6, 2020) <<https://www.mercer.com/newsroom/2020-cost-of-living.html>> accessed July 15, 2020.

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 2020**

[As of June 4, 2020. 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/ Locality rate 6/	25.00 0.00	18.00 0.00	25.00 0.00	25.00 0.00
January 1, 2010	COLA 6/ 7/ Payable locality rate 6/ Full locality rate 6/	20.94 4.72 14.16	14.26 4.72 14.16	20.94 4.72 14.16	20.94 4.72 14.16
January 1, 2011	COLA 6/ 8/ Payable locality rate 6/ Full locality rate 6/	16.07 11.01 16.51	9.76 11.01 16.51	16.07 11.01 16.51	16.07 11.01 16.51
January 1, 2012	COLA 6/ 8/ Payable locality rate 6/ Full locality rate 6/	12.25 16.51 16.51	6.24 16.51 16.51	12.25 16.51 16.51	12.25 16.51 16.51
January 1, 2016	COLA 6/ Locality rate 6/	12.05 16.81	6.05 16.81	12.05 16.81	12.05 16.81
January 1, 2017	COLA 6/ Locality rate 6/	11.32 17.92	5.39 17.92	11.32 17.92	11.32 17.92
January 1, 2018	COLA 6/ Locality rate 6/	10.99 18.43	5.08 18.43	10.99 18.43	10.99 18.43
January 1, 2019	COLA 6/ Locality rate 6/	10.64 18.98	4.76 18.98	10.64 18.98	10.64 18.98
January 1, 2020	COLA 6/ Locality rate 6/	10.28 19.56	4.42 19.56	10.28 19.56	10.28 19.56
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 2020 -- 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"; OPM "COLA and Locality Pay Rates Locality Pay Rates in Nonforeign Areas 2020" accessed June 4, 2020.

Table 14.26-- COST OF LIVING ALLOWANCE INDEXES FOR MILITARY IN HAWAII RELATIVE TO CONTINENTAL UNITED STATES, BY ISLAND

[As of July 1, 2020. 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 <https://www.defensetravel.dod.mil/Docs/perdiem/browse/Allowances/Appendix_J_Overseas_COLA_Tables/2020-COLA-Indexes/07-01-20_COLA_Indices.pdf> accessed June 29, 2020.

Table 14.27-- PER DIEM RATES FOR MILITARY IN HAWAII, BY ISLAND OR INSTALLATION

[As of July 1, 2020. 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	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	56	24	July 1, 2019
Honolulu	326	177	119	67	30	July 1, 2019
Isle of Hawaii: Hilo	319	199	96	56	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	68	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	56	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.

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 2020"

<<http://www.defensetravel.dod.mil/site/perdiem.cfm>> accessed June 30, 2020.

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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): 2017

[Excludes data on self-employed individuals, employees of private households, railroad employees, agricultural production employees and most government employees. Statistics based on the 2017 2017 North American Industry Classification System (NAICS)]

NAICS code	Major group	Number of establishments 1/	Number of employees 2/	Annual payroll (\$1,000)
52	Total	1,477	20,010	1,406,392
522	Credit intermediation and related activities	674	9,836	671,358
5221	Depository credit intermediation	446	8,786	586,152
52211	Commercial banking	210	5,043	364,039
52212	Savings institutions	87	(3/)	(D)
52213	Credit unions	149	2,220	114,589
5222	Nondepository credit intermediation	131	669	60,066
52222	Sales financing	5	25	1,677
52229	Other nondepository credit intermediation	125	623	57,098
522291	Consumer lending	17	50	4,157
522292	Real estate credit	90	508	49,834
522298	All other nondepository credit intermediation	17	63	2,974
5223	Activities related to credit intermediation	97	381	25,140
52231	Mortgage and nonmortgage loan brokers	49	168	14,634
52232	Financial transactions processing, reserve, and clearinghouse activities	10	79	6,193
52239	Other activities related to credit intermediation	38	134	4,313
523	Securities, commodity contracts, and other financial investments and related activities	246	980	119,430
5231	Securities and commodity contracts intermediation and brokerage	38	295	43,658
52312	Securities brokerage	38	295	43,658
52313	Commodity contracts dealing	30	269	42,693
5239	Other financial investment activities	5	18	261
52391	Miscellaneous intermediation	208	685	75,772
52392	Portfolio management	23	81	7,016
52393	Investment advice	120	470	58,881
52399	All other financial investment activities	61	105	8,333
524	Insurance carriers and related activities	4	(4/)	(D)
5241	Insurance carriers	556	9,191	615,421
52411	Direct life, health, and medical insurance carriers	149	6,078	397,228
524113	Direct life insurance carriers	70	4,555	274,558
524114	Direct health and medical insurance carriers	36	467	53,647
52412	Direct insurance (except life, health, and medical) carriers	34	4,088	220,911
		78	1,522	122,578

Continued on next page.

Table 15.02-- FINANCE AND INSURANCE SECTOR (NAICS 52): 2017 -- Con.

NAICS code	Major group	Number of establishments 1/	Number of employees 2/	Annual payroll (\$1,000)
524126	Direct property and casualty insurance carriers	40	1,172	94,761
524127	Direct title insurance carriers	37	335	27,418
5242	Agencies, brokerages, and other insurance related activities	407	3,113	218,193
52421	Insurance agencies and brokerages	365	2,165	149,643
52429	Other insurance related activities	42	948	68,550
524291	Claims adjusting	8	113	6,527
524292	Third party administration of insurance and pension funds	27	796	59,405
524298	All other insurance related activities	7	39	2,618

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/ 1,000 to 2,499 employees.

4/ 20 to 99 employees.

Source: U.S. Census Bureau, *2017 County Business Patterns* <<https://data.census.gov/cedsci/table?q=county%20business%20patterns&g=0400000US15&hidePreview=true&tid=CBP2017.CB1700CBP&vintage=2017&n=52%3AN0300.52%3AN0400.52%3AN0500.52%3AN0600.52>> accessed June 18, 2020.

Table 15.03-- CHARACTERISTICS OF THE FINANCE AND INSURANCE SECTOR (NAICS 52): 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Establishments	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees 1/
52	Finance and insurance	1,482	(2/)	1,434,240	19,718
522	Credit intermediation and related activities	675	(2/)	677,071	9,875
523	Securities, commodity contracts, and other financial investments and related activities	247	309,687	122,313	1,014
524	Insurance carriers and related activities	560	(2/)	634,856	8,829
5221	Depository credit intermediation	450	(2/)	594,635	8,824
5222	Nondepository credit intermediation	129	159,902	58,973	671
5223	Activities related to credit intermediation	96	77,664	23,463	380
5231	Securities and commodity contracts intermediation and brokerage	38	103,904	44,351	300
5239	Other financial investment activities	209	205,783	77,962	714
5241	Insurance carriers	152	(3/)	431,752	5,819
5242	Agencies, brokerages, and other insurance related activities	408	635,049	203,104	3,010
52211	Commercial banking	213	(3/)	378,959	5,198
52222	Sales financing	5	16,832	1,607	23
52231	Mortgage and nonmortgage loan brokers	50	33,356	13,847	165
52232	Financial transactions processing, reserve, and clearinghouse activities	10	25,812	5,867	86
52239	Other activities related to credit intermediation	36	18,496	3,749	129
52312	Securities brokerage	30	101,497	43,379	276
52392	Portfolio management	120	120,769	60,738	500
52393	Investment advice	61	27,292	8,482	105
52412	Direct insurance (except life, health, and medical) carriers	(D)	(3/)	125,273	(4/)
52421	Insurance agencies and brokerages	366	442,680	146,441	2,178
52429	Other insurance related activities	42	192,369	56,663	832

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.

Source: U.S. Census Bureau, 2017 Economic Census, "EC1700BASIC: All Sectors: Summary Statistics for the U.S., States, and Selected Geographies: 2018 <<https://data.census.gov/cedsci/table?q=economic%20census&g=0400000US15&tid=ECNBASIC2017.EC1700BASIC&vintage=2017&hidePreview=true&n=52%3AN0300.52%3AN0400.52%3AN0500.52>> accessed June 18, 2020.

**Table 15.04-- CHARACTERISTICS OF COMMERCIAL BANKS
HEADQUARTERED IN HAWAII: 2016 TO 2019**

[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/	2016	2017	2018	2019
Number of institutions reporting	6	6	6	6
Total employees (full-time equivalent)	5,392	5,476	5,402	5,345
Aggregate condition and income data (In millions of dollars)				
Net income (year-to-date)	476	418	564	589
Total assets	42,824	44,602	44,990	45,675
Total loans and leases	25,003	26,827	28,593	29,713
Total deposits	36,976	38,724	38,413	38,680
Equity capital	4,239	4,395	4,380	4,566
Performance ratios (year-to-date, percent)				
Yield on earning assets	3.15	3.28	3.59	3.77
Net charge-offs to loans and leases	0.05	0.13	0.11	0.15
Return on assets	1.14	0.95	1.27	1.30
Return on equity	11.06	9.60	12.95	13.03
Condition ratios (percent)				
Net loans and losses to assets	57.66	59.45	62.86	64.38
Loss allowances to				
Loans and leases	1.25	1.16	1.10	1.03
Noncurrent loans and leases	631.73	761.42	865.52	582.86
Noncurrent loans and leases to total loans and leases	0.20	0.15	0.13	0.18

1/ Definition of terms may be found on the Federal Deposit Insurance Corporation website in its glossary.

Source: Federal Deposit Insurance Corporation, Division of Insurance and Research, "State Banking Performance Summary - FDIC-Insured Institutions" <<https://www7.fdic.gov/qbp/qbpSelect.asp?menuItem=STBL>> accessed June 20, 2020.

Table 15.05-- CREDIT UNIONS: 1999 TO 2019

[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	57	10,928,596,828	9,592,106,718	5,221,237,869	823,550
2018 1/	55	11,161,324,522	9,783,958,886	5,731,008,313	838,873
2019	52	11,716,283,713	10,196,144,780	6,152,383,733	854,600

1/ 'Loans' revised from previous *Data Book*.

Source: Hawaii Credit Union League, records.

**Table 15.06-- INSURANCE BUSINESS TRANSACTED IN HAWAII:
1998 TO 2018**

[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
2018	1,052	5,477,113	4,463,395	9,571,228

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 June 20, 2020.

**Table 15.07-- LIFE INSURANCE BUSINESS TRANSACTED IN HAWAII:
1998 TO 2018**

[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
2018	409	(NA)	(NA)	849,091	2,262,783

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 June 20, 2020 and records.

Table 15.08-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF INSURANCE: 2018

[Dollars]

Class of insurance	Premiums	Losses, claims, and benefits paid
All classes 1/	5,477,112,979	4,463,395,214
Life 2/	839,524,792	2,255,132,501
Fraternal 2/	9,566,157	7,650,415
Fire, marine, casualty, and miscellaneous	4,346,888,346	2,196,488,307
Accident and health 3/	1,885,160,486	1,060,724,693
Fire	58,847,437	64,554,201
Allied lines	75,774,200	19,304,393
Multiple peril crop	1,247,469	1,121,386
Federal flood	36,705,741	27,994,694
Private flood	3,185,904	136,315
Farmowners multiple peril	88	-
Homeowners multiple peril	397,503,128	155,577,348
Commercial multiple peril (non-liability portion)	102,044,775	30,457,082
Commercial multiple peril (liability portion)	61,317,312	16,583,953
Mortgage guaranty	18,129,315	6,034,756
Ocean marine	18,408,566	6,939,834
Inland marine	106,289,117	42,558,259
Financial guaranty	3,966,795	-
Medical malpractice	17,363,655	3,833,077
Earthquake	6,639,641	6,895,069
Workers' compensation	275,582,928	140,641,978
Other liability - occurrence	154,576,341	57,916,757
Other liability - claims-made	54,123,929	23,165,119
Excess workers' compensation	8,387,580	2,514,847
Products liability	4,659,405	3,792,222
Private passenger auto no-fault	84,170,904	43,379,482
Other private passenger auto liability	363,446,436	204,882,750
Commercial auto no-fault	6,014,149	2,006,597
Other commercial auto liability	86,102,685	33,084,966
Private passenger auto physical damage	333,733,619	202,790,520
Commercial auto physical damage	25,705,171	13,155,717
Aircraft (all perils)	7,509,664	7,949,873
Fidelity	4,220,085	359,477
Surety	43,674,665	9,777,247
Burglary and theft	910,667	61,376
Boiler and machinery	4,302,478	157,836
Credit	7,151,730	2,995,887
Warranty	3,873,346	2,004,197
Title	84,130,524	1,981,656
All other	2,028,411	1,154,743
Foreign risk retention group	8,754,553	4,123,991
Surplus lines (net of reinsurance)	272,379,131	(NA)

Continued on next page.

**Table 15.08-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF
INSURANCE: 2018 -- 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 and dental.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii, 2019* <<https://cca.hawaii.gov/ins/reports/>> accessed June 20, 2020.

**Table 15.09-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY
LOCATION OF HOME OFFICE: 2018**

[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	1,052	28	1,014	10
Life (incl. fraternal benefit societies) and health companies	409	12	391	6
All other companies	643	16	623	4
Financial condition				
Assets	8,326,204	2,902	8,295,743	27,559
Liabilities exc. capital and surplus	7,208,245	1,582	7,181,127	25,535
Policyholders' surplus incl. capital	1,117,848	1,209	1,114,616	2,024
Capital	6,710	55	6,650	5
Net income or loss	481,263	171	479,502	1,590
Hawaii business				
Direct premiums written	6,696	743	5,943	10
Life	849	22	818	9
Annuities	1,500	(4/)	1,500	(4/)
Fire, casualty, and misc.	4,347	720	3,625	1
Claims and benefits paid	5,276	395	4,866	15
Life	2,263	21	2,229	13
Annuities	385	(4/)	384	1
Fire, casualty, and misc.	2,629	374	2,254	1
Investments in Hawaii	9,571	871	8,695	5
Mortgage loans (principal indebtedness)	1,776	74	1,703	-
Collateral loans (amount loaned)	147	-	147	-
State and county bonds 5/	3,761	14	3,742	5
Utilities stocks and bonds 5/	464	3	462	-
Industrial and miscellaneous stocks and bonds 5/	2,488	489	1,999	-
Real estate 6/	935	292	642	-
Balances in Hawaii banks	556	535	21	(4/)

Continued on next page.

**Table 15.09-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY
LOCATION OF HOME OFFICE: 2018 -- 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, 2019*, pp. 17-47 <cca.hawaii.gov/ins/reports/> accessed June 20, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 15.10-- HEALTH PLANS: 2015 TO 2019

Subject	2015	2016	2017	2018	2019
Hawaii Medical Service Association					
Persons covered, Dec. 31 1/	726,487	734,075	732,160	(NA)	(NA)
Membership dues 2/ (\$1,000)	2,978,731	3,157,987	3,332,650	(NA)	(NA)
Kaiser Foundation Health Plan					
Persons covered, annual aver. 1/	242,243	248,118	251,206	253,449	253,608
Persons covered, Dec. 31 1/	245,559	249,687	251,302	251,659	254,288
Membership dues 2/ (\$1,000)	942,297	1,049,396	1,144,295	1,223,561	1,274,891
University Health Alliance 3/					
Persons covered, Dec. 31 1/	52,958	56,636	55,860	61,932	61,353
Membership dues 2/ (\$1,000)	240,724	272,632	286,982	4/ 327,882	333,460
Commercial carrier premiums for accident & health insurance (\$1,000)	1,711,307	1,710,245	2,002,308	1,885,160	(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.

4/ Revised from previous *Data Book*.

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 June 20, 2020.

Table 15.11-- PERCENT OF PERSONS NOT COVERED BY HEALTH INSURANCE, FOR HAWAII AND THE UNITED STATES: 2012 TO 2018

[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
2018	4.1	0.4	4/ 4	8.9	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
2014-2018	4.1	0.2	5/ 3	9.4	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.

4/ Tied with Rhode Island

5/ Tied with Vermont

Source: U.S. Census Bureau, American Community Survey 1-year and 5-year, S2701 Selected of Health Insurance Coverage in the United States <<https://data.census.gov/cedsci/table?q=S2701&tid=ACSS1Y2018.S2701>> accessed June 21, 2020.

**Table 15.12-- UNINSURED PERSONS BY SELECTED AGE GROUP,
BY COUNTY: 2018**

[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	1,130,682	778,945	158,503	57,319	135,915
Number uninsured	53,377	32,763	10,170	2,895	7,549
Percent uninsured	4.7	4.2	6.4	5.1	5.6
Under 19 years old					
Number in population group	315,334	215,440	45,626	16,380	37,888
Number uninsured	8,302	4,934	1,579	493	1,296
Percent uninsured	2.6	2.3	3.5	3.0	3.4
18 to 64 years old					
Number in population group	829,131	572,660	114,988	41,672	99,811
Number uninsured	45,845	28,312	8,712	2,451	6,370
Percent uninsured	5.5	4.9	7.6	5.9	6.4
21 to 64 years old					
Number in population group	789,157	545,442	109,217	39,590	94,908
Number uninsured	43,207	26,631	8,280	2,288	6,008
Percent uninsured	5.5	4.9	7.6	5.8	6.3
40 to 64 years old					
Number in population group	434,118	289,541	65,148	23,396	56,033
Number uninsured	20,421	12,261	3,960	1,211	2,989
Percent uninsured	4.7	4.2	6.1	5.2	5.3
50 to 64 years old					
Number in population group	264,932	173,519	41,951	14,710	34,752
Number uninsured	11,874	7,133	2,336	659	1,746
Percent uninsured	4.5	4.1	5.6	4.5	5.0

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 June 21, 2020.

Table 15.13-- FIRES, DEATHS, AND LOSSES, BY COUNTY: 2009 TO 2019

[Fiscal year ending June 30]

Subject and year	State total	Honolulu	Hawaii	Kauai	Maui
Number of fires					
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
2018	(NA)	2,235	(NA)	270	723
2019	(NA)	2,361	(NA)	324	731
Fire deaths					
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
2018	(NA)	3	(NA)	1	-
2019	(NA)	6	(NA)	-	-
Fire losses (\$1,000)					
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
2018	(NA)	40,537	(NA)	2,589	6,369
2019	(NA)	26,823	(NA)	5,391	3,826

NA Not available.

Source: County fire departments.

**Table 15.14-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS:
2007 TO 2017**

[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) for 2007-2016, for 2017 based on the 2017 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	
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	
2017	544,056	6,002,466	24,366,355	32,800	16,935	6,419	
	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
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
2017	4,460	3,033	1,157	561	134	72	29

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) <<https://data.census.gov/cedsci/table?q=&g=0400000US15&d=ANN%20Business%20Patterns%20County%20Business%20Patterns&table=CB1700CBP&tid=CBP2017.CB1700CBP&hidePreview=true&lastDisplayedRow=18&n=00>> accessed June 21, 2020.

**Table 15.15-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY COUNTY: 2017**

[Excludes data on self-employed individuals, employees of private households, railroad employees, agricultural production employees and most government employees. Statistics based on the 2017 North American Industry Classification System (NAICS)]

Year and county	Number of establishments 1/	Number of employees 2/	Payroll (\$1,000)	
			First quarter	Annual
2017				
State total	32,800	544,056	6,002,466	24,366,355
Hawaii	4,132	55,257	524,372	2,156,507
Honolulu	21,628	366,570	4,289,591	17,208,461
Kauai	2,123	28,339	274,668	1,155,091
Maui	4,705	64,947	639,180	2,678,040

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *County Business Patterns* (annual) <<https://data.census.gov/cedsci/table?q=&g=0400000US15.050000,15&d=ANN%20Business%20Patterns%20County%20Business%20Patterns&table=CB1700CBP&tid=CBP2017.CB1700CBP&hidePreview=true&lastDisplayedRow=20>> accessed June 21, 2020.

**Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY MAJOR GROUP: 2017**

[Excludes data on self-employed individuals, employees of private households, railroad employees, agricultural production employees and most government employees.
Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Major group	Number of establishments 1/	Number of employees 2/	Annual payroll (\$1,000)
	Total	32,800	544,056	24,366,355
11	Agriculture, forestry, fishing and hunting	43	171	5,661
114	Fishing, hunting and trapping	21	63	2,622
115	Support activities for agriculture and forestry	20	106	2,996
21	Mining, quarrying, and oil and gas extraction	5	173	12,309
212	Mining (except oil and gas)	4	148	11,140
22	Utilities	63	3,679	390,517
23	Construction	2,881	31,783	2,254,386
236	Construction of buildings	945	8,663	655,228
237	Heavy and civil engineering construction	140	2,392	208,295
238	Specialty trade contractors	1,796	20,728	1,390,863
31-33	Manufacturing	776	12,711	581,274
311	Food manufacturing	259	5,442	174,130
312	Beverage and tobacco product manufacturing	35	981	45,496
314	Textile product mills	19	111	3,858
315	Apparel manufacturing	39	338	8,986
321	Wood product manufacturing	21	299	12,537
323	Printing and related support activities	89	889	32,544
325	Chemical manufacturing	23	402	21,803
326	Plastics and rubber products manufacturing	16	208	9,074
327	Nonmetallic mineral product manufacturing	47	1,067	76,439
332	Fabricated metal product manufacturing	39	417	25,154
333	Machinery manufacturing	6	68	4,693
334	Computer and electronic product manufacturing	6	42	3,704
336	Transportation equipment manufacturing	23	962	68,161
337	Furniture and related product manufacturing	42	315	16,091
339	Miscellaneous manufacturing	101	692	22,463
42	Wholesale trade	1,620	19,026	1,011,538
423	Merchant wholesalers, durable goods	731	6,775	423,244
424	Merchant wholesalers, nondurable goods	776	11,729	550,082

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**Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY MAJOR GROUP: 2017-- Con.**

NAICS code	Major group	Number of establish- ments 1/	Number of employees 2/	Annual payroll (\$1,000)
425	Wholesale electronic markets and agents and brokers	113	522	38,212
44-45	Retail trade	4,681	70,256	2,199,802
441	Motor vehicle and parts dealers	331	7,066	361,313
442	Furniture and home furnishings stores	169	1,527	44,371
443	Electronics and appliance stores	108	1,196	42,936
444	Building material and garden equipment and supplies dealers	251	4,871	157,940
445	Food and beverage stores	642	13,747	387,072
446	Health and personal care stores	427	3,507	168,207
447	Gasoline stations	248	2,887	73,323
448	Clothing and clothing accessories stores	1,279	14,681	338,663
451	Sporting goods, hobby, musical instrument, and book stores	216	1,813	40,394
452	General merchandise stores	86	12,318	397,698
453	Miscellaneous store retailers	682	5,519	143,705
454	Nonstore retailers	242	1,124	44,180
48-49	Transportation and warehousing	926	31,655	1,732,232
481	Air transportation	75	10,083	809,120
483	Water transportation	18	1,749	98,295
484	Truck transportation	209	3,777	173,728
485	Transit and ground passenger transportation	130	4,291	176,655
487	Scenic and sightseeing transportation	217	5,052	180,894
488	Support activities for transportation	168	3,927	178,877
492	Couriers and messengers	56	1,739	69,084
493	Warehousing and storage	52	1,028	44,821
51	Information	533	8,416	514,919
511	Publishing industries (except internet)	105	1,230	82,424
512	Motion picture and sound recording industries	95	1,190	19,196
515	Broadcasting (except internet)	49	1,037	63,108
517	Telecommunications	203	4,209	299,101
518	Data processing, hosting, and related services	60	672	45,446
519	Other information services	21	78	5,644
52	Finance and insurance	1,477	20,010	1,406,392
522	Credit intermediation and related activities	674	9,836	671,358
523	Securities, commodity contracts, and other financial investments and related activities	246	980	119,430

Continued on next page.

**Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY MAJOR GROUP: 2017-- Con.**

NAICS code	Major group	Number of establish- ments 1/	Number of employees 2/	Annual payroll (\$1,000)
524	Insurance carriers and related activities	556	9,191	615,421
53	Real estate and rental and leasing	2,045	12,836	668,857
531	Real estate	1,643	8,832	509,898
532	Rental and leasing services	398	3,835	151,900
533	Lessors of nonfinancial intangible assets (except copyrighted works)	4	169	7,059
54	Professional, scientific, and technical services	3,391	22,922	1,542,202
55	Management of companies and enterprises	261	7,124	563,258
56	Administrative and support and waste management and remediation services	1,914	62,015	2,268,366
561	Administrative and support services	1,804	60,232	2,167,282
562	Waste management and remediation services	110	1,783	101,084
61	Educational services	540	18,547	644,451
62	Health care and social assistance	3,685	71,950	4,036,469
621	Ambulatory health care services	2,747	28,137	1,726,445
622	Hospitals	27	21,711	1,684,521
623	Nursing and residential care facilities	181	8,807	309,398
624	Social assistance	730	13,295	316,105
71	Arts, entertainment, and recreation	510	11,512	305,594
711	Performing arts, spectator sports, and related industries	164	2,506	64,090
712	Museums, historical sites, and similar institutions	50	2,137	67,277
713	Amusement, gambling, and recreation industries	296	6,869	174,227
72	Accommodation and food services	3,866	113,250	3,415,183
721	Accommodation	341	42,387	1,904,194
722	Food services and drinking places	3,525	70,863	1,510,989
81	Other services (except public administration)	3,560	25,975	811,403
811	Repair and maintenance	672	3,565	150,602
812	Personal and laundry services	981	8,485	205,951
813	Religious, grantmaking, civic, professional, and similar organizations	1,907	13,925	454,850
99	Industries not classified	23	45	1,542

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *2017 County Business Patterns* <<https://data.census.gov/cedsci/table?q=&g=0400000US15&d=ANN%20Business%20Patterns%20County%20Business%20Patterns&table=CB1700CBP&tid=CBP2017.CB1700CBP&hidePreview=true&lastDisplayedRow=18&n=N0200.00%3AN0300.00>> accessed June 21, 2020.

**Table 15.17-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY EMPLOYMENT-SIZE CLASS: 2016 AND 2017**

[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)	
	2016	2017	2016	2017	2016	2017
Total	32,350	32,800	528,415	544,056	22,892,445	24,366,355
1 to 4	16,688	16,935	29,538	29,991	1,503,554	1,559,005
5 to 9	6,392	6,419	42,181	42,445	1,618,710	1,710,608
10 to 19	4,307	4,460	58,292	60,133	2,223,073	2,335,576
20 to 49	3,052	3,033	91,501	91,107	3,584,200	3,664,109
50 to 99	1,134	1,157	78,158	79,662	3,096,937	3,286,130
100 to 249	544	561	80,641	84,429	3,546,420	3,824,280
250 to 499	145	134	49,266	45,085	2,211,892	2,078,011
500 to 999	60	72	42,042	49,440	1,959,203	2,426,273
1,000 or more	28	29	56,796	61,764	3,148,456	3,482,363

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *2017 County Business Patterns* <<https://data.census.gov/cedsci/table?q=&g=0400000US15&d=ANN%20Business%20Patterns%20County%20Business%20Patterns&table=CB1700CBP&tid=CBP2017.CB1700CBP&hidePreview=true&lastDisplayedRow=18&n=N0200.00%3AN0300.00>> accessed June 21, 2020.

**Table 15.18-- REGISTERED CORPORATIONS AND PARTNERSHIPS:
2015 TO 2019**

[Fiscal year ending June 30 unless otherwise specified. Excludes nonprofit corporations]

Subject	2015	2016	2017	2018	2019
Domestic (Hawaii) corporations					
Formed	1,698	1,777	1,758	1,924	1,631
Dissolved or merged 1/	2,257	2,263	2,072	1,938	2,186
On record, June 30 2/	30,021	29,555	29,280	29,281	28,738
Foreign (non-Hawaii) corporations					
Qualified	1,157	1,203	1,232	1,238	1,398
Withdrawn, merged, or cancelled 1/	815	924	862	804	902
On record, June 30 2/	12,720	13,001	13,369	13,803	14,299
Partnerships					
Registered	390	392	312	277	310
Dissolved or cancelled 1/	464	470	439	371	444
On record, June 30 2/	4,530	4,441	4,317	4,226	4,091
Domestic (Hawaii) Limited Liability Companies					
Formed	9,682	10,183	10,569	11,372	12,039
Dissolved or merged 1/	5,668	5,879	6,182	6,240	7,795
On record, June 30 2/	60,281	64,606	69,036	74,240	78,525
Foreign (non-Hawaii) Limited Liability Companies					
Qualified	1,245	1,275	1,487	1,518	1,698
Withdrawn or merged 1/	567	644	547	640	856
On record, June 30 2/	7,882	8,516	9,451	10,338	11,181
Domestic (Hawaii) Limited Liability Partnerships					
Formed	80	91	67	64	69
Dissolved or merged 1/	75	66	66	69	80
On record, June 30 2/	455	478	480	476	465
Foreign (non-Hawaii) Limited Liability Partnerships					
Qualified	15	14	9	14	15
Withdrawn or cancelled 1/	3	4	6	8	6
On record, June 30 2/	95	105	108	114	123

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: 2017

[Dollar amounts in millions. 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 1/	
						Non- rental (Sch. C & F)	Rental (Sch. E)
Number of businesses	197,376	15,601	16,184	206	10,791	98,000	56,594
Percent	100.0	7.9	8.2	0.1	5.5	49.7	28.7
Number of businesses by taxation district							
First (Oahu)	132,132	13,331	10,975	189	8,494	59,872	39,271
Second (Maui, Molokai, Lanai)	26,687	908	2,538	(D)	(D)	14,595	7,661
Third (Hawaii)	27,407	1,076	1,741	(D)	(D)	17,251	6,387
Fourth (Kauai, Niihau)	11,150	286	930	(D)	(D)	6,282	3,275
Business Receipts	132,277	74,280	25,805	2,617	20,532	6,742	2,300
Percent	100.0	56.2	19.5	2.0	15.5	5.1	1.7
Business with \$1 million or more in business Receipts	9,669	3,987	3,280	92	1,558	706	46
Percent	100.0	60.5	19.1	2.2	16.3	1.7	0.2
Business with net profit	22,716	5,296	11,588	135	5,697	(NA)	(NA)
Amount of net profit	7,675	2,686	1,698	633	2,658	(NA)	(NA)
Amount of net loss	3,319	1,464	362	27	1,466	(NA)	(NA)

D Data were suppressed to avoid potential disclosure of confidential taxpayer information.

NA Not available.

1/ Individual taxpayers with more than one schedule C (E or F) reconcile their gross receipts on form N-11, therefore the number of entities are underestimated.

Source: Hawaii State Department of Taxation, Tax Research and Planning Office, *Hawaii Business Income Tax Statistics: Tax Year 2017* (December 2019) <http://tax.hawaii.gov/stats/a5_1annual/a5_6bus_inc/> accessed June 23, 2020.

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: 2012 AND 2017

[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 2012 data is based on the 2012 NAICS and the 2017 data is based on the 2017 NAICS. Includes only establishments with payroll]

Rank	NAICS code 1/	Sector	Number of employees			Payroll per employee (\$)		
			2012	2017	Percent change	2012	2017	Percent change
1	72	Accommodation & food services	98,364	112,743	14.6	25,781	29,242	13.4
2	62	Health care & social assistance	66,772	73,551	10.2	49,281	54,362	10.3
3	44-45	Retail trade	68,360	72,908	6.7	26,843	29,965	11.6
4	56	Administrative & support & waste management & remediation services	47,307	55,555	17.4	28,645	36,174	26.3
5	48-49	Transportation & warehousing 1/	26,839	31,863	18.7	42,862	47,347	10.5
6	54	Professional, scientific, & technical services	21,629	22,668	4.8	58,515	64,657	10.5
7	81	Other services (except public administration)	19,348	20,219	4.5	27,843	32,265	15.9
8	52	Finance and insurance	18,686	19,718	5.5	61,256	72,738	18.7
9	42	Wholesale trade	18,761	18,963	1.1	45,016	52,664	17.0
10	53	Real estate and rental & leasing	11,369	13,101	15.2	42,566	51,540	21.1
11	71	Arts, entertainment, & recreation	10,623	11,912	12.1	23,456	26,383	12.5
12	51	Information	8,329	8,218	-1.3	59,400	62,793	5.7
13	22	Utilities	3,379	3,596	6.4	85,562	104,844	22.5
14	61	Educational services	2,410	2,923	21.3	21,198	21,010	-0.9

1/ Excludes railroad transportation and the U.S. Postal Service.

Source: U.S. Census Bureau, Economic Census, 2012 Economic Census, "EC1200A1: All sectors: Geographic Area Series, Economy-Wide Key Statistics 2012" <<https://data.census.gov/cedsci/table?q=EC1200A1%3A%20All%20sectors%3A%20Geographic%20Area%20Series%3A%20Economy-Wide%20Key%20Statistics%3A%202012&hidePreview=true&tid=ECNBASIC2012.EC1200A1&g=0400000US15&vintage=2017&n=N0200.00>> accessed June 27, 2020. 2017 Economic Census, "EC1700BASIC: All sectors: Summary Statistics for the U.S., States and Selected Geographies: 2017" <<https://data.census.gov/cedsci/table?q=EC1700BASIC&hidePreview=true&tid=ECNBASIC2017.EC1700BASIC&g=0400000US15&vintage=2017&n=N0200.00>> accessed June 27, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 15.22-- TOP 10 PRIVATE INDUSTRIES EMPLOYMENT AND EARNINGS, BY COUNTY: 2018-2019

[Data averaged for 3rd quarter of 2018 through 2nd quarter of 2019. 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	531,962	4,179
1	722	Food services and drinking places	68,974	2,307
2	561	Administrative and support services	45,318	3,225
3	721	Accommodation	42,112	4,290
4	621	Ambulatory health care services	29,420	5,400
5	541	Prof., scientific, & technical services	24,503	6,549
6	238	Specialty trade contractors	20,211	5,720
7	622	Hospitals	16,715	6,572
8	445	Food and beverage stores	15,701	2,816
9	624	Social assistance	15,545	2,214
10	452	General merchandise stores	14,179	2,648
		Hawaii County	54,731	3,518
1	722	Food services and drinking places	6,705	2,182
2	721	Accommodation	5,349	3,927
3	561	Administrative and support services	4,335	2,749
4	621	Ambulatory health care services	3,553	4,452
5	445	Food and beverage stores	2,515	2,643
6	624	Social assistance	2,281	1,771
7	452	General merchandise stores	2,203	2,619
8	238	Specialty trade contractors	1,772	4,597
9	111	Crop production	1,507	2,665
10	541	Prof., scientific, & technical services	1,453	5,617
		City & County of Honolulu	381,692	4,352
1	722	Food services and drinking places	47,699	2,259
2	561	Administrative and support services	33,053	3,296
3	621	Ambulatory health care services	21,368	5,472
4	541	Prof., scientific, & technical services	20,942	6,728
5	721	Accommodation	19,539	4,295
6	238	Specialty trade contractors	15,580	5,988
7	622	Hospitals	14,257	6,681
8	624	Social assistance	10,959	2,286
9	445	Food and beverage stores	10,096	2,885
10	813	Religious, grantmaking, civic, professional & similar organizations	10,052	3,363

Continued on next page.

Table 15.22-- TOP 10 PRIVATE INDUSTRIES EMPLOYMENT AND EARNINGS, BY COUNTY: 2018-2019 -- Con.

Rank	NAICS code	State/county and industry 1/	Average quarterly employment	Average monthly earnings (\$)
Kauai County			25,608	3,812
1	721	Accommodation	4,412	4,157
2	722	Food services and drinking places	4,273	2,193
3	561	Administrative and support services	1,974	3,500
4	621	Ambulatory health care services	1,103	6,633
5	713	Amusement, gambling, & recreation industries	843	2,710
6	238	Specialty trade contractors	817	4,618
7	445	Food and beverage stores	757	2,671
8	236	Construction of buildings	750	5,859
9	541	Prof., scientific, & technical services	655	5,796
10	487	Scenic and sightseeing transportation	553	3,422
Maui County			69,913	3,878
1	721	Accommodation	12,811	4,475
2	722	Food services and drinking places	10,297	2,661
3	561	Administrative and support services	5,955	3,067
4	621	Ambulatory health care services	3,395	5,545
5	445	Food and beverage stores	2,330	2,748
6	238	Specialty trade contractors	2,042	5,082
7	624	Social assistance	1,790	2,325
8	452	General merchandise stores	1,775	2,755
9	813	Religious, grantmaking, civic, professional & similar organizations	1,677	3,120
10	622	Hospitals	1,490	5,620

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 June 27, 2020.

Table 15.23-- LARGEST PUBLIC AND PRIVATE COMPANIES: 2018

[Highest gross sales in 2018 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	3,803.5	1,867
2	Hawaiian Electric Industries, Inc. 2/	1891/1983	2,860.8	3,895
3	Hawaiian Airlines 3/	1929	2,837.4	5,727
4	Par Hawaii	(NA)	2,716.2	757
5	Matson, Inc.	(NA)	2,222.8	2,007
6	University of Hawaii	1907	1,858.8	8,491
7	Island Energy Services, LLC	(NA)	1,850.0	186
8	Servco Pacific Inc.	(NA)	1,802.0	2,360
9	Kaiser Permanente Hawaii	1958	1,675.2	2,968
10	The Queen's Health Systems 2/	1859/1985	1,370.4	7,038

NA Not available.

1/ Information on "Year founded" was obtained from previous *Hawaii Business* issues. From the 2009 issue, year founded information was no longer provided in their ranking table.

2/ The first year is the founding date of the original company and the second year is when it became a holding company, was sold, or legally changed its name or year of incorporation.

3/ Was called 'Hawaiian Holdings, Inc.' in previous *Data Book*.

Source: *Hawaii Business*, "Top 250 List" (August 2019) <<https://www.hawaiibusiness.com/top-250-2019/>> accessed July 3, 2020 and various earlier issues.

Table 15.24-- TOTAL GROSS ANNUAL SALES OF SELECTED COMPANIES: 2017 TO 2018

[Rank based on percentage increase in gross annual sales between 2017 and 2018]

Rank	Company 1/	Gross annual sales (\$1,000)		
		2017	2018	% change
1	Honolulu Builders LLC	24,815	47,200	90.2
2	Desing Partners Inc.	14,600	27,100	85.6
3	Industrial Logistics Properties Trust	93,386	162,500	74.0
4	Na Alii Consulting & Sales LLC	34,567	53,743	55.5
5	RevoluSun Smart Home / RevoluSun LLC	22,500	34,100	51.6
6	Alexander & Baldwin Inc.	425,500	644,400	51.4
7	Barbers Point Aviation Services LLC	11,195	16,642	48.7
8	Nordic PCL Construction Inc.	206,700	301,000	45.6
9	Pearl Hawaii Federal Credit Union	11,200	16,205	44.7
10	Heide & Cook LLC	42,000	58,700	39.8
11	American Electric Co. LLC	32,328	43,750	35.3
12	Par Hawaii Inc.	2,033,390	2,716,243	33.6
13	Island Energy Services LLC	1,400,000	1,850,000	32.1

1/ Companies with a percentage increase of over 30 percent.

Source: *Hawaii Business*, "Top 250 List" (August 2019) <<https://www.hawaiibusiness.com/top-250-2019/>> accessed July 3, 2020.

Table 15.25-- NONEMPLOYER STATISTICS, FOR HAWAII AND THE UNITED STATES: 2004 TO 2018

[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
2018 3/	112,589	5,556,071	26,485,532	1,292,866,710

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.

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; "Nonemployer Businesses Increased in 2017" (June 27, 2019) <<https://www.census.gov/newsroom/press-releases/2019/Metropolitan-Areas-and-nonemployer-businesses.html>>; 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; and NS1800NONEMP "All Sectors: Nonemployer Statistics for the U.S., States, Counties, Metropolitan Areas, and Combined Statistical Areas; and by Legal Form of Organization and Sales, Value Geographies: 2018 of Shipments, or Revenue Size for Selected Geographies: 2018" <https://data.census.gov/cedsci/table?q=NS1800NONEMP&g=0400000US15_0100000US&hidePreview=true&tid=NONEMP2018.NS1800NONEMP&vintage=2018&n=00> accessed July 3, 2020.

**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]

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](https://www.census.gov/newsroom/press-releases/2019/Metropolitan%20Areas%20and%20nonemployer-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: 2018**

[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	112,589	5,556,071
11	Agriculture, forestry, fishing and hunting	1,904	78,985
113	Forestry and logging	55	2,057
114	Fishing, hunting and trapping	1,154	60,988
115	Support activities for agriculture and forestry	695	15,940
21	Mining, quarrying, and oil and gas extraction	16	2,361
212	Mining (except oil and gas)	10	1,810
213	Support activities for mining	6	551
22	Utilities	206	16,659
23	Construction	8,784	581,068
236	Construction of buildings	3,147	232,463
237	Heavy and civil engineering construction	82	8,236
238	Specialty trade contractors	5,555	340,369
31-33	Manufacturing	2,033	93,474
311	Food manufacturing	359	18,409
312	Beverage and tobacco product manufacturing	14	2,356
313	Textile mills	18	1,090
314	Textile product mills	19	507
315	Apparel manufacturing	353	10,815
316	Leather and allied product manufacturing	15	476
321	Wood product manufacturing	180	7,692
322	Paper manufacturing	4	70
323	Printing and related support activities	130	7,076
325	Chemical manufacturing	53	3,605
326	Plastics and rubber products manufacturing	12	1,115
327	Nonmetallic mineral product manufacturing	60	3,162
331	Primary metal manufacturing	11	450
332	Fabricated metal product manufacturing	77	3,759
333	Machinery manufacturing	26	1,205
334	Computer and electronic product manufacturing	21	909
335	Electrical equipment, appliance, and component manufacturing	12	258
336	Transportation equipment manufacturing	14	434
337	Furniture and related product manufacturing	98	5,630
339	Miscellaneous manufacturing	555	24,444

Continued on next page.

**Table 15.27-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,
BY MAJOR GROUP: 2018 -- Con.**

2017 NAICS code	Major group 1/	Number of firms 2/	Receipts 3/ (\$1,000)
42	Wholesale trade	2,395	190,450
423	Merchant wholesalers, durable goods	1,042	86,388
424	Merchant wholesalers, nondurable goods	1,056	91,721
425	Wholesale electronic markets and agents and brokers	297	12,341
44-45	Retail trade	10,347	455,773
441	Motor vehicle and parts dealers	313	26,890
442	Furniture and home furnishings stores	100	7,425
443	Electronics and appliance stores	62	3,448
444	Building material and garden equipment and supplies dealers	127	11,971
445	Food and beverage stores	523	46,740
446	Health and personal care stores	704	21,722
447	Gasoline stations	9	2,876
448	Clothing and clothing accessories stores	1,201	65,832
451	Sporting goods, hobby, musical instrument, and book stores	488	26,069
452	General merchandise stores	132	9,006
453	Miscellaneous store retailers	1,354	84,530
454	Nonstore retailers	5,334	149,264
48-49	Transportation and warehousing	8,179	199,863
481	Air transportation	80	1,907
483	Water transportation	51	1,537
484	Truck transportation	293	21,897
485	Transit and ground passenger transportation	6,737	137,703
487	Scenic and sightseeing transportation	184	9,978
488	Support activities for transportation	302	16,084
492	Couriers and messengers	484	7,861
493	Warehousing and storage	48	2,896
51	Information	1,267	44,914
511	Publishing industries (except internet)	211	6,866
512	Motion picture and sound recording industries	609	22,584
515	Broadcasting (except internet)	62	2,879
517	Telecommunications	43	2,400
518	Data processing, hosting, and related services	156	3,577
519	Other information services	186	6,608
52	Finance and insurance	2,984	232,994
522	Credit intermediation and related activities	191	12,083
523	Securities, commodity contracts, and other financial investments and related activities	845	104,424
524	Insurance carriers and related activities	1,948	116,487

Continued on next page.

**Table 15.27-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,
BY MAJOR GROUP: 2018 -- Con.**

2017 NAICS code	Major group 1/	Number of firms 2/	Receipts 3/ (\$1,000)
53	Real estate and rental and leasing	13,166	1,281,216
531	Real estate	12,545	1,243,592
532	Rental and leasing services	611	36,916
533	Lessors of nonfinancial intangible assets (except copyrighted works)	10	708
54	Professional, scientific, and technical services	16,104	717,929
56	Administrative and support and waste management and remediation services	11,305	329,304
561	Administrative and support services	11,237	322,611
562	Waste management and remediation services	68	6,693
61	Educational services	3,252	61,754
62	Health care and social assistance	8,516	447,797
621	Ambulatory health care services	5,728	353,850
623	Nursing and residential care facilities	1,058	53,109
624	Social assistance	1,730	40,838
71	Arts, entertainment, and recreation	6,945	218,182
711	Performing arts, spectator sports, and related industries	5,928	150,249
712	Museums, historical sites, and similar institutions	32	1,542
713	Amusement, gambling, and recreation industries	985	66,391
72	Accommodation and food services	2,530	148,385
721	Accommodation	801	42,539
722	Food services and drinking places	1,729	105,846
81	Other services (except public administration)	12,656	454,963
811	Repair and maintenance	2,387	117,702
812	Personal and laundry services	9,536	322,476
813	Religious, grantmaking, civic, professional, and similar organizations	733	14,785

Continued on next page.

**Table 15.27-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,
BY MAJOR GROUP: 2018 -- 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 2018 <https://data.census.gov/cedsci/table?q=SB1700CSA01&g=0400000US15_0100000US&hidePreview=true&tid=NONEMP2018.NS1800NONEMP&vintage=2018&n=N0200.00%3AN0300.02> accessed July 3, 2020.

Table 15.28-- SELECTED MINORITY-OWNED BUSINESSES: 2012

[Includes all Hawaii 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 percent 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: 2019**

Type of industry 1/	Number of inquiries	Type of industry 1/	Number of complaints	Average settlement per consumer complaint (dollars)
General contractor	41,278	Airlines	105	13,027.85
Skin care	28,962	New car dealers 2/	80	15,488.37
Plumber	17,972	Skin care	51	5,097.65
Roofing contractors	17,600	Used car dealers	49	2,408.90
Real estate	15,326	Hotels	45	835.38
Electrician	15,032	Restaurants	45	179.74
Travel club	13,463	Jewelry stores	44	264.83
Construction services	12,729	Towing companies	39	540.59
Property management	12,676	Property management	38	3,561.73
Handyman	10,600	Travel club	37	3,754.87
Air conditioning contractor	10,204	Online Retailer	33	234.04
Painting contractors	10,189	Banks	28	3,163.46
Lawyers	9,400	Real estate	28	2,423.95
Jewelry stores	8,114	Internet marketing services	23	240.61
Auto repair	7,551	Cosmetics sales	21	6,746.02
Restaurants	7,365	Auto repair	20	2,055.87
Pest control	7,162	Dentist	19	774.88
New car dealers	7,119	Auto renting and leasing	18	688.34
Building contractors	6,838	Moving companies	18	1,916.70
Used car dealers	6,833	Swimwear	17	98.19
Travel agency	6,731	Plumber	17	8,213.88
Moving companies	6,470	Collection agencies	14	358.76
Tour operators	6,020	Vacation rentals	14	1,158.42
Towing companies	5,714	Beauty salon	12	71.14
Vacation rentals	5,640	Parking facilities	12	143.58
Landscape contractors	5,607	General contractor	11	7,771.62

1/ Industries listed are those with the highest number of inquiries or complaints.

2/ Includes new car repair issues.

Source: Better Business Bureau Northwest & The Pacific, records.

Table
Number **Table Name**

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

Narrative

16.01	Information Industry Establishments (NAICS 51): 2017
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Section 16

INFORMATION AND COMMUNICATIONS

This section presents statistics on the usage, finances, and operations of the U.S. 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, including the newly released 2017 Economic Census. Earlier figures appear in *Historical Statistics of Hawaii*, Section 18.

Table 16.01-- INFORMATION INDUSTRY ESTABLISHMENTS (NAICS 51): 2017

[Excludes most government employees, railroad employees, and self-employed persons. Statistics based on the 2017 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	533	8,416	514,919
511	Publishing industries (except internet)	105	1,230	82,424
5111	Newspaper, periodical, book, directory pub.	71	983	51,182
5112	Software publishers	34	247	31,242
512	Motion picture & sound recording industries	95	1,190	19,196
5121	Motion picture & video industries	82	1,156	17,693
5122	Sound recording industries	13	34	1,503
515	Broadcasting (except internet)	49	1,037	63,108
5151	Radio & television broadcasting	45	974	61,777
5152	Cable and other subscription programming	4	(D)	(1/)
517	Telecommunications	203	4,209	299,101
5173	Wired and wireless telecommunication carriers	190	3,979	290,844
5174	Satellite telecommunications	4	(D)	(2/)
5179	Other telecommunications	9	211	6,753
518	Data processing, hosting and related services	60	672	45,446
519	Other information services	21	78	5,644

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

1/ 20 to 99 employees.

2/ 0 to 19 employees.

Source: U.S. Census Bureau, *2017 County Business Patterns* <<https://data.census.gov>> accessed December 26, 2019.

Table 16.02-- INFORMATION (NAICS 51), BY KIND OF BUSINESS: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees 1/
51	Information	533	(NA)	516,035	8,218
511	Publishing industries (except internet)	105	303,787	100,670	1,366
5111	Newspaper, periodical, book, & directory publishers	71	189,401	53,317	1,014
5112	Software publishers	34	114,386	47,353	352
512	Motion picture & sound recording industries	94	(NA)	20,119	1,135
5121	Motion picture & video industries	81	(NA)	18,662	1,097
5122	Sound recording industries	13	(NA)	1,457	38
515	Broadcasting (except internet)	(D)	(D)	(D)	(2/)
5151	Radio & television broadcasting	44	132,036	49,869	830
5152	Cable & other subscription programming	(D)	(D)	(D)	(3/)
517	Telecommunications	(D)	(NA)	(D)	(4/)
5173	Wired & wireless telecommunications carriers	190	(NA)	283,645	3,881
5174	Satellite telecommunications	(D)	(D)	(D)	(3/)
5179	Other telecommunications	(D)	(D)	(D)	(5/)
518	Data processing, hosting, & related services	61	161,995	46,559	672
519	Other information services	(D)	(D)	(D)	(3/)

NA Not available.

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

1/ For pay period including March 12.

2/ 500 to 999 employees.

3/ 20 to 99 employees.

4/ 2,500 to 4,999 employees.

5/ 100 to 249 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1751BASIC <<https://data.census.gov>> accessed February 7, 2020.

Table 16.03-- INFORMATION (NAICS 51), BY COUNTY AND SELECTED ECONOMIC PLACE: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown. Sales and revenue data not available]

Geographic area	Establishments	Annual payroll (\$1,000)	Paid employees 1/
State total	533	516,035	8,218
Honolulu County	380	437,160	6,693
Aiea	7	1,458	26
East Honolulu	10	6,472	198
Kailua	11	1,817	26
Kaneohe	13	3,778	145
Kapolei	(D)	(D)	(2/)
Mililani Mauka	(D)	(D)	(3/)
Mililani Town	(D)	(D)	(4/)
Ocean Pointe	4	942	23
Pearl City	(D)	(D)	(4/)
Pupukea	6	1,938	25
Royal Kunia	3	1,029	20
Urban Honolulu	256	320,755	4,498
Wahiawa	3	2,433	34
Waimalu	6	4,401	110
Waipahu	5	3,583	73
Balance of Honolulu County	8	2,894	70
Hawaii County	59	33,313	624
Hilo	15	15,704	275
Kailua	15	9,356	187
Kalaoa	(D)	(D)	(5/)
Waimea	3	105	4
Balance of Hawaii County	15	2,200	61
Kauai County	22	11,468	234
Kapaa	(D)	214	(6/)
Lihue	13	10,505	207
Balance of Kauai County	(NA)	(NA)	(NA)

Continued on next page.

Table 16.03-- INFORMATION (NAICS 51), BY COUNTY AND SELECTED ECONOMIC PLACE: 2017 -- Con.

Geographic area	Establishments	Annual payroll (\$1,000)	Paid employees 1/
Maui County	72	34,094	667
Haiku-Pauwela	3	1,131	19
Kahului	23	25,529	486
Kihei	9	1,723	41
Lahaina	7	812	24
Makawao	(D)	(D)	(6/)
Wailuku	9	3,152	52
Balance of Maui County	5	320	7

D Withheld to avoid disclosing data for individual companies.

NA Not available.

1/ For pay period including March 12.

2/ 250 to 499 employees.

3/ 500 to 999 employees.

4/ 100 to 249 employees.

5/ 20 to 99 employees.

6/ 0 to 19 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1751BASIC <<https://data.census.gov>> accessed April 30, 2020.

**Table 16.04-- NUMBER OF U.S. POST OFFICES AND STATIONS, BY ISLAND:
SEPTEMBER 30, 2019**

Island	Total	Cost Ascertainment Group (CAG) 1/				Stations	
		A-G	H-J	K	L	Classified 2/	Contract 3/
State total	107	34	26	9	2	23	13
Hawaii	32	9	11	5	-	2	5
Maui	11	8	2	-	-	1	-
Lanai	1	-	1	-	-	-	-
Molokai	6	1	1	2	2	-	-
Oahu	41	11	4	1	-	18	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-- U.S. POSTAL SERVICE: 2000 TO 2019

[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
2019	71	36	193,863	512

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 2018

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
2017	590
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
2018	95.1
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. Carrier revenues are excluded.

2/ Annual average percentage of households with telephone service.

3/ Rounded 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 May 1, 2020.

**Table 16.07-- STATUS OF TELEPHONE USAGE OF HOUSEHOLD
POPULATION: 2017 AND 2018**

[Percent of persons living in household. Based on a sample and subject to sampling variability]

Usage status	2017		2018	
	Adults aged 18 years and over	Children under age 18 years	Adults aged 18 years and over	Children under age 18 years
Wireless-only	48.5	59.2	51.6	62.2
Wireless-mostly	17.1	19.1	16.6	19.2
Dual-use	21.9	16.8	20.6	12.4
Landline-mostly	5.2	0.5	4.8	1.4
Landline-only	4.3	1.6	3.2	0.3
No telephone service 1/	3.1	2.8	3.2	4.4

1/ 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/erwirelessubs.htm>> accessed May 1, 2020.

Table 16.08-- STATUS OF WIRELESS-ONLY TELEPHONE USAGE OF HOUSEHOLD POPULATION: 2007 TO 2018

[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
2018	51.6	62.2

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/erwirelessubs.htm>> accessed May 1, 2020.

Table 16.09-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS IN HOUSEHOLDS: 2018

[Based on a sample and subject to sampling variability]

Subject 1/	Hawaii	United States
Total households	455,309	121,520,180
With an internet subscription	391,189	103,698,798
Dial-up with no other type of internet subscription	836	325,497
Broadband of any type	390,353	103,373,301
Cellular data plan	357,682	91,963,754
With no other type of internet subscription	43,171	14,062,187
Broadband such as cable, fiber optic or DSL	337,683	84,598,930
With no other type of internet subscription	29,962	9,842,653
Satellite internet service	19,472	8,413,790
With no other type of internet subscription	1,449	800,869
Other service with no other type of internet subscription	186	110,586
Internet access without a subscription	11,685	3,270,085
No internet access	52,435	14,551,297
Percent of total households	100.0	100.0
With an internet subscription	85.9	85.3
Dial-up with no other type of internet subscription	0.2	0.3
Broadband of any type	85.7	85.1
Cellular data plan	78.6	75.7
With no other type of internet subscription	9.5	11.6
Broadband such as cable, fiber optic or DSL	74.2	69.6
With no other type of internet subscription	6.6	8.1
Satellite internet service	4.3	6.9
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	2.6	2.7
No internet access	11.5	12.0

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, 2018 American Community Survey 1-Year Estimates, Table B28002 <<https://data.census.gov>> accessed June 9, 2020; 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: 2018**

[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	455,309	836	390,353	64,120
Less than \$10,000	24,091	-	15,426	8,665
\$10,000 to \$19,999	24,013	-	13,975	10,038
\$20,000 to \$34,999	46,452	281	32,205	13,966
\$35,000 to \$49,999	47,812	182	38,683	8,947
\$50,000 to \$74,999	70,691	140	61,283	9,268
\$75,000 or more	242,250	233	228,781	13,236
Percent				
All income groups	100.0	0.2	85.7	14.1
Less than \$10,000	100.0	0.0	64.0	36.0
\$10,000 to \$19,999	100.0	0.0	58.2	41.8
\$20,000 to \$34,999	100.0	0.6	69.3	30.1
\$35,000 to \$49,999	100.0	0.4	80.9	18.7
\$50,000 to \$74,999	100.0	0.2	86.7	13.1
\$75,000 or more	100.0	0.1	94.4	5.5

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates, Table B28004
<<https://data.census.gov>> accessed April 29, 2020; 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: 2018

[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	1,376,737	100.0	319,075,830	100.0
Has a computer	1,307,415	95.0	302,626,735	94.8
With dial-up internet subscription alone	1,644	0.1	591,068	0.2
With a broadband internet subscription	1,235,622	89.8	281,778,807	88.3
Without an internet subscription	70,149	5.1	20,256,860	6.3
No computer	69,322	5.0	16,449,095	5.2
Under 18 years	301,548	100.0	73,138,247	100.0
Has a computer	292,080	96.9	71,348,357	97.6
With dial-up internet subscription alone	13	0.0	52,051	0.1
With a broadband internet subscription	281,253	93.3	66,936,178	91.5
Without an Internet subscription	10,814	3.6	4,360,128	6.0
No computer	9,468	3.1	1,789,890	2.4
18 to 64 years	820,718	100.0	195,032,871	100.0
Has a computer	795,095	96.9	188,341,551	96.6
With dial-up internet subscription alone	813	0.1	226,173	0.1
With a broadband internet subscription	753,030	91.8	176,089,519	90.3
Without an internet subscription	41,252	5.0	12,025,859	6.2
No computer	25,623	3.1	6,691,320	3.4
65 years and over	254,471	100.0	50,904,712	100.0
Has a computer	220,240	86.5	42,936,827	84.3
With dial-up internet subscription alone	818	0.3	312,844	0.6
With a broadband internet subscription	201,339	79.1	38,753,110	76.1
Without an internet subscription	18,083	7.1	3,870,873	7.6
No computer	34,231	13.5	7,967,885	15.7

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates, Table B28005
<<https://data.census.gov>> accessed April 29, 2020; 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 2019**

[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
2019	4/ 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)
2019	(D)	(D)	(D)	(D)	(D)

Continued on next page.

**Table 16.12-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS,
AND REVENUES, BY COUNTY: 2004 TO 2019 -- 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)
2019	(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.

4/ Oceanic Time Warner Cable of Hawaii was renamed Spectrum Oceanic LLC and has 5 systems.

Source: Hawaii State Department of Commerce and Consumer Affairs, Cable Television Division and records.

Table 16.13-- RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, 1955 TO 2020, AND BY COUNTY, 2020

Date and county	Commercial			Public or educational		
	AM	FM	TV 1/	AM	FM	TV 1/
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
2020: April 21	39	56	23	-	21	4
COUNTY: 2020						
Hawaii	3	17	6	-	4	-
Honolulu	22	19	12	-	6	3
Kauai	2	8	-	-	3	-
Maui	12	12	5	-	8	1

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; and Federal Communications Commission, *Media Bureau*, <<http://www.fcc.gov/encyclopedia/audio-division-media-bureau>> accessed April 21, 2020.

Table 16.14-- AVERAGE CIRCULATION OF DAILY, WEEKLY, AND SUNDAY ENGLISH-LANGUAGE NEWSPAPERS: 2019

Newspaper	Average circulation
Daily	
<i>Honolulu Star-Advertiser</i> 1/	147,959
<i>Hawaii Tribune-Herald</i> (Hilo) 1/	11,924
<i>West Hawaii Today</i> (Kailua-Kona) 1/	6,277
<i>Maui News</i> (Wailuku)	(NA)
<i>Garden Island</i> (Lihue) 1/	7,510
<i>USA Today Hawaii Edition</i>	4,963
Sunday	
<i>Honolulu Star-Advertiser</i> 1/	162,687
<i>Hawaii Tribune-Herald</i> (Hilo) 1/	12,937
<i>West Hawaii Today</i> (Kailua-Kona) 1/	7,332
<i>Maui News</i> (Wailuku)	(NA)
<i>Garden Island</i> (Lihue) 1/	7,221
Weekly	
<i>MidWeek</i> (Oahu and Kauai) 2/	291,401
<i>MidWeek</i> (Hawaii Island) 2/	56,656
<i>Street Pulse</i> 2/	43,600
<i>Army Weekly</i>	(NA)
<i>Marine Star</i>	(NA)
<i>Ho'okele</i>	(NA)

NA Not available.

1/ Print and digital.

2/ Reported for average distribution, not circulation.

Source: *Star-Advertiser Consolidated Media Portfolio* <<https://oahupublications.com/opi/2019-CMP.pdf>> accessed June 2, 2020.

Table 16.15-- U.S. POSTAGE RATES AND NEWSPAPER PRICES FOR HONOLULU: 2000 TO 2020

[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)
2020	55	12/ 15	35	150	300	(X)	(X)

Continued on next page.

**Table 16.15-- POSTAGE RATES AND NEWSPAPER PRICES, FOR
HONOLULU: 2000 TO 2020 -- 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 July 8, 2020; Newspaper rates from *The Honolulu Star-Advertiser* <<https://gateway.staradvertiser.com/index.html>> accessed July 9, 2020.

Table 16.16-- BOOKS AND SCHOLARLY JOURNALS PUBLISHED BY THE UNIVERSITY OF HAWAII PRESS: 1991 TO 2019

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
2019	3,703	2,880	2,201	2,876	69	19	207,460	3,005,750

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.

Table
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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.

**Table 17.01-- CONSUMPTION OF ENERGY, BY SOURCE (PHYSICAL UNITS):
1960 TO 2018**

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	344
2006	714	3	51,564	120	392
2007	764	3	52,905	92	501

Continued on next page.

**Table 17.01-- CONSUMPTION OF ENERGY, BY SOURCE (PHYSICAL UNITS):
1960 TO 2018 -- 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	930
2009	791	3	42,472	113	1,065
2010	803	3	4/ 42,758	70	804
2011	783	3	4/ 44,383	93	933
2012	803	3	42,770	115	847
2013	753	3	4/ 42,338	78	874
2014	831	3	4/ 41,976	94	948
2015	747	3	4/ 42,787	121	1,147
2016	787	3	4/ 42,250	91	1,152
2017	759	3	42,799	66	1,162
2018	734	3	44,612	97	1,131

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) "State Energy Consumption Estimates, Selected Years, 1960-2018, Hawaii CT1" (June 2020) <https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf> accessed July 9, 2020.

Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1970 TO 2018

[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	7/ 196.9	-	-	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	7/ 220.0	-	-	218.4	1.0	0.7	-	(NA)	(NA)	-	36.9
1977	7/ 233.3	-	-	232.0	0.9	0.5	-	(NA)	(NA)	-	38.9
1978	237.0	-	-	235.8	0.9	0.3	-	(NA)	(NA)	-	40.1
1979	7/ 256.6	-	-	7/ 255.3	0.9	0.3	-	(NA)	(NA)	-	39.4
1980	7/ 262.3	-	-	7/ 249.5	0.9	11.9	-	(NA)	(NA)	3.0	38.0
1981	7/ 236.7	-	-	7/ 223.1	0.8	12.7	-	(NA)	(NA)	2.8	37.7
1982	7/ 218.1	1.1	-	7/ 203.6	0.9	12.4	-	(NA)	(NA)	2.8	38.1
1983	7/ 221.1	1.0	-	7/ 205.2	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

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Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1970 TO 2018 -- Con.

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/
1990	321.4	0.7	-	292.8	0.8	25.9	(8/)	0.9	0.3	3.0	45.5
1991	295.2	1.1	-	266.6	0.7	25.4	(8/)	1.0	0.4	2.9	47.1
1992	306.0	6.8	-	272.5	0.6	24.9	(8/)	1.0	0.2	2.9	46.6
1993	7/ 282.7	15.6	-	7/ 239.2	0.6	24.4	1.6	1.1	0.2	2.8	7/ 47.3
1994	7/ 299.0	15.7	-	7/ 257.9	1.4	20.7	1.9	1.1	0.2	2.9	48.7
1995	7/ 296.8	19.9	-	7/ 252.3	1.0	19.8	2.4	1.2	0.2	2.9	7/ 49.0
1996	7/ 283.1	20.4	-	7/ 238.6	1.1	19.1	2.5	1.2	0.2	2.8	48.8
1997	7/ 273.5	20.5	-	7/ 230.5	1.2	17.4	2.5	1.2	0.2	2.7	48.7
1998	7/ 273.4	18.2	-	7/ 233.5	1.2	16.5	2.4	1.3	0.2	2.8	7/ 48.6
1999	269.4	17.7	-	7/ 229.9	1.2	17.0	2.2	1.3	0.2	2.9	7/ 46.6
2000	7/ 273.3	17.7	0.1	7/ 235.2	1.1	15.2	2.7	1.3	0.2	3.0	7/ 48.3
2001	7/ 270.1	17.8	0.1	7/ 239.8	1.0	7/ 8.0	2.1	1.2	(8/)	2.9	7/ 50.5
2002	7/ 284.7	16.6	0.1	7/ 257.4	1.0	7.5	0.7	1.2	(8/)	2.9	7/ 54.2
2003	7/ 300.9	18.0	0.1	7/ 269.4	0.9	9.3	1.8	1.3	(8/)	2.9	55.1
2004	7/ 314.7	17.9	0.2	282.9	0.9	7/ 9.4	2.1	1.3	0.1	2.9	7/ 55.8
2005	324.7	16.5	0.2	7/ 293.8	1.0	9.6	2.2	1.3	0.1	2.9	7/ 57.0
2006	7/ 327.3	16.1	0.2	295.5	1.2	7/ 10.1	2.1	1.4	0.8	2.9	7/ 59.8
2007	7/ 337.8	17.1	0.2	7/ 303.5	0.9	7/ 9.9	2.3	1.5	2.4	3.0	7/ 58.3
2008	276.6	18.1	0.1	7/ 239.1	0.8	7/ 12.0	2.3	1.8	2.4	2.8	7/ 54.5
2009	7/ 275.9	17.1	0.2	7/ 238.9	1.1	7/ 12.5	1.6	2.0	2.5	2.7	7/ 55.1

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Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1970 TO 2018 -- Con.

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/
2010	277.1	17.1	0.2	7/ 241.6	0.7	7/ 10.7	2.0	2.3	2.5	2.7	7/ 50.6
2011	7/ 285.6	16.1	0.2	7/ 248.9	0.9	7/ 11.2	2.2	2.9	3.3	2.7	7/ 56.4
2012	7/ 278.0	16.6	0.2	7/ 239.7	1.1	7/ 10.0	2.5	4.3	3.6	2.8	53.6
2013	278.5	15.3	0.2	7/ 237.0	0.7	7/ 11.7	2.6	6.1	4.8	2.9	54.4
2014	279.3	17.2	0.2	7/ 233.9	0.9	7/ 11.6	2.4	7/ 7.6	5.5	2.8	54.8
2015	7/ 282.8	15.6	0.2	7/ 237.6	1.1	7/ 12.1	2.2	7/ 8.4	5.7	2.9	55.9
2016	7/ 283.2	16.4	0.2	7/ 234.2	0.8	7/ 13.4	2.4	9.8	5.9	3.0	7/ 56.7
2017	284.0	14.9	0.2	236.9	0.6	10.9	3.0	12.6	4.9	3.0	56.4
2018	292.9	14.4	0.2	247.2	0.9	10.7	1.0	13.1	5.5	3.2	55.4

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/ Revised from previous *Data Book*.

8/ Value less than +0.05 and greater than -0.05.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) "State Energy Consumption Estimates, Selected Years, 1960-2018, Hawaii CT2" (June 2020) <https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf> accessed July 9, 2020.

**Table 17.03-- CONSUMPTION OF ENERGY, BY END-USE SECTOR:
1960 TO 2018**

[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	6/ 43.6	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	6/ 50.3	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	6/ 74.5	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	6/ 92.9	6/ 138.0	105.5
1996	32.0	34.0	6/ 95.4	6/ 121.5	107.4
1997	32.1	35.5	88.7	6/ 117.2	107.3
1998	32.3	45.9	6/ 80.6	6/ 114.5	105.6

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**Table 17.03-- CONSUMPTION OF ENERGY, BY END-USE SECTOR:
1960 TO 2018 -- Con.**

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	6/ 123.0	106.6
2000	33.0	37.3	6/ 77.9	6/ 125.1	108.5
2001	32.2	36.6	69.5	6/ 131.9	105.3
2002	34.5	39.4	6/ 70.7	6/ 140.1	110.9
2003	31.8	37.5	68.8	6/ 162.8	102.7
2004	32.6	41.3	68.9	6/ 171.9	104.4
2005	33.3	39.9	72.4	179.1	104.1
2006	33.7	40.7	71.6	6/ 181.4	104.7
2007	34.1	40.2	69.0	6/ 194.4	105.7
2008	33.4	40.9	65.8	6/ 136.5	102.8
2009	33.3	40.7	69.1	6/ 132.8	6/ 100.2
2010	6/ 32.7	40.1	6/ 68.1	6/ 136.3	98.7
2011	32.5	6/ 41.2	67.5	144.4	6/ 98.8
2012	31.5	6/ 39.2	65.1	142.2	94.8
2013	6/ 30.8	40.6	65.4	6/ 141.6	92.3
2014	31.4	41.1	6/ 64.6	142.2	92.1
2015	6/ 31.6	6/ 41.3	64.2	6/ 145.7	91.6
2016	6/ 32.5	41.5	6/ 63.1	6/ 146.1	91.8
2017	34.0	43.0	60.4	146.5	91.3
2018	34.2	42.7	56.3	159.7	89.7

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) "State Energy Consumption Estimates, Selected Years, 1960-2018, Hawaii CT4-CT8, (June 2020) and earlier editions <https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf> accessed July 9, 2020.

**Table 17.04-- PRIMARY ENERGY CONSUMPTION AND ELECTRICITY
SALES, TOTAL AND PER CAPITA: 1996 TO 2018**

Year	Primary energy consumption		Electricity sales by utilities	
	Total (billion Btu)	Per capita (million Btu) 1/	Total (1,000 kWh)	Per capita (kWh) 1/
1996	283,060	235.1	9,379	7,791
1997	273,483	225.7	9,363	7,728
1998	273,387	225.0	9,261	7,621
1999	269,352	222.5	9,381	7,751
2000	273,307	225.2	9,691	7,986
2001	270,115	220.3	9,785	7,981
2002	284,651	229.6	9,892	7,980
2003	300,905	240.5	10,391	8,305
2004	314,701	247.1	10,732	8,426
2005	324,677	251.2	10,539	8,152
2006	327,116	249.8	10,568	8,069
2007	337,594	256.6	10,585	8,046
2008	276,444	207.5	10,390	7,799
2009	275,894	204.9	10,126	7,519
2010	277,125	203.2	10,017	7,344
2011	285,580	207.1	9,962	7,223
2012	277,993	199.3	9,639	6,911
2013	1/ 278,471	197.7	9,503	6,748
2014	1/ 279,324	197.5	9,475	6,699
2015	1/ 282,848	198.9	9,511	6,688
2016	1/ 283,215	198.4	9,445	6,616
2017	1/ 284,004	199.4	9,324	6,546
2018	292,895	206.2	9,337	6,573

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, 2020 and calculations by Hawaii State Department of Business, Economic Development and Tourism.

Table 17.05-- PRIMARY ENERGY CONSUMPTION, BY SOURCE: 2002 TO 2018

[Billion Btu. Components may not sum to totals due to rounding]

Year	Total	Petroleum	Coal	Natural gas	Renewable 1/
2002	284,651	257,441	16,618	140	10,463
2003	300,905	269,414	18,044	137	13,319
2004	314,701	282,864	17,913	155	13,787
2005	324,677	295,039	16,506	195	14,187
2006	327,116	296,835	16,102	179	15,531
2007	337,594	305,278	17,107	173	17,002
2008	276,444	242,279	18,095	148	19,342
2009	275,894	242,829	17,083	167	19,711
2010	277,125	244,593	17,117	161	18,210
2011	285,580	252,695	16,080	158	20,457
2012	277,993	243,028	16,572	187	21,540
2013	1/ 278,471	240,572	15,306	197	25,956
2014	1/ 279,324	237,826	17,241	167	28,001
2015	1/ 282,848	1/ 242,436	15,632	196	29,433
2016	1/ 283,215	1/ 239,469	16,431	162	32,380
2017	1/ 284,004	1/ 242,441	14,948	163	31,974
2018	292,895	252,569	14,367	192	31,109
Year	Biomass 1/	Solar	Wind	Geothermal	Hydro
2002	7,491	1,240	16	748	967
2003	9,314	1,260	16	1,813	916
2004	9,354	1,273	75	2,144	941
2005	9,632	1,302	66	2,224	962
2006	10,054	1,382	790	2,114	1,191
2007	9,936	1,520	2,354	2,280	913
2008	12,030	1,799	2,365	2,316	831
2009	12,482	2,033	2,454	1,643	1,099
2010	10,700	2,311	2,547	1,964	687
2011	11,187	2,870	3,311	2,183	905
2012	10,026	4,333	3,599	2,491	1,090
2013	11,720	6,056	4,802	2,630	747
2014	11,624	1/ 7,557	5,503	2,422	895
2015	12,075	1/ 8,364	5,710	2,154	1,129
2016	13,414	1/ 9,818	5,900	2,409	839
2017	10,900	1/ 12,584	4,902	2,980	609
2018	10,657	13,083	5,480	1,010	879

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, 2020 and calculations by
Hawaii State Department of Business, Economic Development and Tourism.

Table 17.06-- ELECTRICITY GENERATION, BY SOURCE: 2002 TO 2018

[Millions of kWh generated]

Year	Total	Petroleum	Coal	Wind	Biomass
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
2018	9,796.773	6,748.947	1,311.203	601.934	305.513
Year	Geothermal	Hydro	Other gases 1/	Solar	Others
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
2018	110.089	96.520	55.722	184.576	382.269

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 1990-2018 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, 2020.

Table 17.07-- ELECTRICITY PRODUCTION, BY SOURCE AND BY ISLAND: 2018

[Million kWh]

Island	Total	Petroleum	Coal	Wind	Biomass
State total	9,796.77	6,748.95	1,311.20	601.93	305.51
Hawaii	1,146.75	885.53	-	92.63	-
Maui	1,116.26	887.96	-	214.44	-
Lanai	33.00	33.00	-	-	-
Molokai	31.73	31.73	-	-	-
Oahu	6,995.74	4,557.38	1,311.20	294.86	297.72
Kauai	473.30	353.35	-	-	7.79
Island	Geothermal	Hydro	Other gases 1/	Solar	Others
State total	110.09	96.52	55.72	184.58	382.27
Hawaii	110.09	58.50	-	-	-
Maui	-	1.80	-	12.05	-
Lanai	-	-	-	-	-
Molokai	-	-	-	-	-
Oahu	-	-	55.72	96.58	382.27
Kauai	-	36.22	-	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, 2020; and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.08 -- FUEL, ELECTRICITY, AND TOTAL ENERGY EXPENDITURES
BY SOURCE: 1995 TO 2018**

[Millions of dollars]

Year	Total energy expenditures	Primary energy expenditures	Electricity additions	Retail electricity expenditures	Electricity fuel cost
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	3,540.0	1,264.8	2,111.7	846.9
2010	5,865.6	4,532.6	1,333.0	2,473.3	1,140.3
2011	7,684.5	6,186.1	1,498.4	3,090.5	1,592.1
2012	7,846.8	6,247.6	1,599.2	3,219.0	1,619.8
2013	7,685.5	6,014.3	1,671.2	3,153.6	1,482.4
2014	7,434.9	5,648.7	1,786.2	3,159.3	1,373.1
2015	5,707.4	4,008.7	1,698.7	2,474.9	776.2
2016	5,038.1	3,403.3	1/ 1,634.8	2,242.6	1/ 607.8
2017	1/ 5,549.1	3,900.3	1/ 1,648.8	2,416.2	1/ 767.4
2018	6,617.5	4,868.9	1,748.6	2,710.1	961.5

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, 2020; and calculations by the Hawaii State Department of Business, Economic Development and Tourism.

Table 17.09-- ELECTRIC UTILITIES: 2004 TO 2019

Year	Customers, Dec. 31			Power sold (1,000 kWh)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
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
2019	503,525	439,022	64,503	9,200,694	2,620,536	6,580,158

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
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
2019	5,969	102,013	0.32612	0.27457	2,661,299	854,599	1,806,700

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Table 17.09-- ELECTRIC UTILITIES: 2004 TO 2019 -- 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: 2019

Island	Customers, Dec. 31			Net peak demand (mW)	Power sold (1,000 kWh)		
	Total	Residential 1/	Other		Total	Residential 1/	Other
State total	503,525	439,022	64,503	1,211.1	9,200,694	2,620,536	6,580,158
Oahu	306,368	272,590	33,778	784.8	6,563,104	1,634,975	4,928,130
Hawaii	86,576	75,142	11,434	133.3	1,049,542	409,117	640,425
Kauai	38,059	29,333	8,726	73.8	460,710	181,264	279,445
Lanai	1,748	1,493	255	6.1	32,975	8,321	24,654
Maui	67,526	57,758	9,768	207.1	1,064,751	376,193	688,559
Molokai	3,248	2,706	542	6.0	29,612	10,666	18,945
Island	Average annual use (kWh) 2/		Average rate (dollars per kWh)		Revenues (\$1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
State total	5,969	102,013	0.32612	0.27457	2,661,299	854,599	1,806,700
Oahu	5,998	145,898	0.31043	0.25921	1,784,979	507,552	1,277,427
Hawaii	5,445	56,011	0.36531	0.31754	352,819	149,455	203,363
Kauai	6,180	32,024	0.34866	0.32660	154,467	63,200	91,266
Lanai	5,574	96,682	0.42015	0.42115	13,879	3,496	10,383
Maui	6,513	70,491	0.33646	0.31500	343,472	126,573	216,899
Molokai	3,942	34,955	0.40515	0.38856	11,683	4,321	7,361

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: 2004 TO 2019

[Excludes bottled gas]

Year	Customers, Dec. 31			Gas sold (million therms)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
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
2019	35,826	31,906	3,920	37.1	4.2	32.9

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
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	160	6,895	4.08	2.19	107.1	19.7	87.4
2018	138	8,511	5.09	3.13	126.1	22.3	103.9
2019	131	8,391	5.36	3.13	125.5	22.4	103.1

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Table 17.11-- GAS UTILITIES: 2004 TO 2019 -- 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: 2019

[Excludes bottled gas]

Island	Customers, December 31			Gas sold (1,000 therms)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
State total	35,826	31,906	3,920	37,082	4,189	32,894
Oahu	31,880	28,418	3,462	33,243	3,561	29,682
Hawaii	2,031	1,701	330	2,663	372	2,291
Kauai	1,058	1,030	28	222	132	90
Lanai	22	22	-	4	4	-
Maui	768	668	100	939	108	831
Molokai	67	67	-	11	11	-

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	131	8,391	5.35937	3.13368	125,527	22,449	103,078
Oahu	125	8,574	5.51761	3.21933	115,205	19,648	95,556
Hawaii	219	6,942	4.35791	2.31859	6,933	1,621	5,312
Kauai	128	3,203	4.71406	2.40541	839	624	216
Lanai	167	0	4.50478	-	17	17	-
Maui	162	8,309	4.50716	2.39981	2,483	489	1,994
Molokai	169	0	4.46801	-	51	51	-

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 2019**

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
2019	306,368	270,683	6,833,764	6,563,104	6,002	0.31065	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	141
2013	31,730	28,481	29,711	3,923	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	35,494	31,668	36,292	4,349	137
2018	35,694	31,825	37,445	4,358	137

1/ Includes liquefied petroleum gas.

Source: The Gas Company LLC, formerly The Gas Company, Inc., records.

Table 17.15-- LIQUID FUEL TAX BASE: 2005 TO 2019

[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
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
2019	970,712	701,731	465,348	142,091	47,519

Year reported	Liquefied petroleum gas		Aviation fuel	Small boats		Other fuel 1/
	Off hwy.	Hwy. use		Gasoline	Diesel oil	
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
2019	-	8	268,981	1,382	3,321	42,062

1/ Includes ethanol, methanol, biodiesel, naphtha, nompresed 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 April 1, 2020.

Table 17.16-- LIQUID FUEL TAX BASE, BY COUNTY: 2019

[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	970,712	498,511	196,685	190,314	85,202
Gasoline	465,348	283,153	67,457	83,905	30,832
Diesel oil, non-hwy.	142,091	80,429	34,580	19,710	7,372
Diesel oil, hwy. use	47,519	26,205	6,108	11,931	3,275
Liq. pet. gas, hwy. use	8	5.1	0.6	0.8	1.5
Small boats, gasoline	1,382	939	108	335	-
Small boats, diesel oil	3,321	3,321	-	-	-
Aviation fuel	268,981	103,018	88,102	46,979	30,881
Other fuel 1/	42,062	1,441	329	27,453	12,840

1/ 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 April 1, 2020.

**Table 17.17-- GASOLINE STATIONS (NAICS 447), BY COUNTY:
1998 TO 2017**

[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
2017	248	141	56	16	35

Source: U.S. Census Bureau, County Business Patterns, Table CB1700CBP
<<http://data.census.gov/cedsci>> accessed April 7, 2020.

Table 17.18-- BOILERS AND PRESSURE VESSELS, BY ISLAND: 2019

[As of December 31]

Island	Total	Power boilers	Heating boilers	Pressure vessels
State total	10,362	410	2,624	7,329
Hawaii	1,483	78	354	1,051
Maui	1,169	49	344	776
Lanai	59	3	23	33
Molokai	44	1	6	38
Oahu	7,063	254	1,751	5,058
Kauai	544	25	146	373

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 2017

[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
2017	290.2	275.4	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 April 7, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 17.20-- PRIVATE SECTOR TECHNOLOGY JOBS, 2010 TO 2019 AND AVERAGE EARNINGS, 2019

[Jobs includes paid employees and proprietors]

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Earnings in 2019 (\$M) 1/
Technology sector	23,497	23,441	23,865	24,002	23,522	23,828	23,485	23,518	24,210	24,361	2,141
Computer services	6,382	6,283	6,414	6,493	6,417	6,583	6,405	6,546	6,556	6,278	575
Engineering and related services	5,909	5,967	6,080	6,075	6,163	6,273	6,252	6,249	6,527	6,637	678
Technical consulting services	4,087	4,116	4,288	4,482	4,444	4,552	4,591	4,708	4,971	5,200	373
Research & development services	2,569	2,528	2,494	2,412	2,054	1,902	1,865	1,634	1,480	1,515	136
Research & devel. in biotech.	658	693	689	609	555	520	513	413	335	330	27
Information & telecoms tech.	1,290	1,242	1,289	1,416	1,410	1,411	1,376	1,446	1,505	1,525	103
Medical labs and imaging centers	1,697	1,742	1,741	1,685	1,706	1,783	1,769	1,758	1,830	1,824	127
Technology equipment distribution	806	775	757	749	730	752	680	679	864	859	103
Technology manufacturing	756	787	803	689	599	572	547	499	478	523	47
Alternate power generation	74	59	47	42	15	2	5	-	-	-	-
Chemical & pharm. manufacturing	91	92	99	148	163	87	70	81	72	75	17
Other technology manufacturing	87	125	157	127	89	114	74	78	56	66	3
Medical device manufacturing	505	510	500	372	333	369	397	340	350	382	26

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

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
South Carolina	38.00	37	47	26	40	32	36
North Dakota	36.37	38	17	44	37	47	35
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 2019**

[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
2019	1,925	421,852,160	(NA)	216,397,624	(NA)	205,454,536

NA Not available.

Source: University of Hawaii, Office of Research Services, *Annual Report 2019 Extramural Awards and Expenditures* <<http://www.ors.hawaii.edu/index.php/reports/85-reports/172-annual-executive-managerial-reports>> accessed July 14, 2020; and previous reports.

**Table 17.23-- RESEARCH AND DEVELOPMENT EXPENDITURES AT
HIGHER EDUCATION INSTITUTIONS: 1995 TO 2018**

[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
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
2018 5/	297,975	186,527	20,096	950	14,579	73,459	2,364

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) <<https://ncesdata.nsf.gov/herd/2018/>> accessed April 7, 2020 and *Higher Education Research and Development Survey: Fiscal Year* (annual) <<https://www.nsf.gov/statistics/srvyherd/#sd>> accessed April 7, 2020.

Table 17.24-- PATENTS ISSUED TO HAWAII RESIDENTS: 1992 TO 2019

Year	Patents	Year	Patents	Year	Patents
1992	81	2002	91	2012	131
1993	106	2003	96	2013	146
1994	99	2004	86	2014	160
1995	84	2005	58	2015	166
1996	104	2006	101	2016	178
1997	93	2007	82	2017	153
1998	93	2008	101	2018	136
1999	97	2009	96	2019	155
2000	93	2010	144		
2001	107	2011	128		

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)	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	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)	170	14.2	125	1992/1996
Subaru 8-m (Optical/Infrared)	170	17.0	101	1999
Fredrick C. Gillett Gemini 8-m (Optical/Infrared)	92	15.0	83	1999
Submillimeter Array 8x6-m	80	5.5	23	2003
Maunakea Observatories Support Services	(X)	2/ 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) 3/	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	4/ 18.0	35	(5/)

X Not applicable.

1/ Historical cost, not adjusted for inflation, and not including subsequent capital improvements for Maunakea Observatories.

2/ Only \$1.9 million are included in total, as the other \$3.5 million are part of facility operating costs.

3/ Formerly Air Force Maui Optical Station (AMOS).

4/ Operational cost of 18 million not included in the total.

5/ Daniel K. Inouye Solar Telescope scheduled to be operational by 2020.

Source: University of Hawaii at Manoa, Institute for Astronomy, records.

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

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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: 2019**

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: 2019 -- 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, Planning Branch, Highway Performance Monitoring System (HPMS) database.

Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLAND: 2017 TO 2019

[As of December 31. Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Interstates, Freeways	Other	
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	-	-	-	-
2019				
State total	4,498.69	88.49	4,236.39	173.81
Hawaii	1,507.98	-	1,447.98	60.00
Maui	658.30	-	601.20	57.10
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,702.83	88.49	1,606.12	8.22
Kauai	445.26	-	422.77	22.49
Niihau	-	-	-	-

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, HPMS database.

Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2019

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 2019

[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
2019	1,138	297	761	80	1,324,476	303,594	989,540	31,342

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 July 11, 2020.

Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2019

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: 2018**

[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	455,309	71,565	308,208	22,685	52,794
None	39,266	5,117	31,130	902	2,117
1	150,118	22,374	103,419	7,039	17,229
2	161,272	28,482	106,843	7,529	18,418
3	62,561	10,095	39,290	3,923	9,253
4 or more	42,092	5,497	27,526	3,292	5,777

Source: U.S. Census Bureau, 2018 American Community Survey 1-Year Estimates, Household size by vehicles available, B08202 <<https://data.census.gov/cedsci/table?q=B08201&g=0400000US15,15.050000&hidePreview=true&tid=ACSDT1Y2018.B08201&vintage=2018>> accessed July 11, 2020.

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 2019

Year	Number	Year	Number	Year	Number
1989	57,456	2000	51,500	2011	35,576
1990	54,544	2001	51,388	2012	42,463
1991	47,783	2002	53,314	2013	48,705
1992	44,865	2003	62,712	2014	54,039
1993	45,249	2004	65,882	2015	57,094
1994	44,175	2005	70,268	2016	58,485
1995	41,083	2006	67,224	2017	59,137
1996	41,480	2007	54,492	2018	56,482
1997	42,487	2008	41,184	2019	53,458
1998	40,673	2009	32,878		
1999	45,054	2010	32,649		

Source: Hawaii Automobile Dealers Association, *HawaiiDealer 2020 Spring Edition* and previous editions.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 2017 TO 2019**

Nameplate	2017	2018	2019
Total	59,137	56,482	53,458
Toyota	15,705	15,157	14,226
Honda	9,018	8,350	7,830
Nissan	5,874	5,374	4,609
Ford	4,194	3,585	3,682
Chrysler/Dodge/Jeep/Ram	3,283	3,097	3,043
Chevrolet	3,594	3,485	2,998
Subaru	1,824	2,135	2,197
Lexus	1,597	1,575	1,802
Telsa	364	863	1,671
Kia	2,164	2,070	1,635
BMW	1,567	1,310	1,500
Hyundai	1,497	1,533	1,453
Mercedes	1,438	1,396	1,130
Volkswagen	845	962	1,015
Mazda	1,571	1,329	1,013
Acura	839	728	736
GMC	841	737	523
Audi	565	562	473
MINI	420	397	359
Volvo	89	166	265
Infiniti	371	317	243
Porsche	243	210	201
Land Rover	213	223	188
Cadillac	178	185	147
Buick	262	231	143
Mitsubishi	112	111	122
Jaguar	129	78	63
Lincoln	33	53	49
Fiat	112	70	40
All others	195	193	102

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2020 Spring Edition.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS: 2017 TO 2019**

Type and place of manufacture	2017	2018	2019
Total	59,137	59,480	57,323
Car	21,084	19,392	17,909
Light truck	38,053	40,088	39,414
Domestic brand	12,763	12,951	13,331
European brand	5,772	5,931	5,848
Japanese brand	36,912	36,828	34,790
Korean brand	3,690	3,770	3,354

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2020 Spring Edition.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:
1991 TO 2019**

[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
2019	944,159	622,673	142,285	57,061	122,140

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE AND SEX:
2018 AND 2019**

[As of December 31]

Years of age	Both sexes		Male		Female	
	2018	2019	2018	2019	2018	2019
Total	945,163	944,159	485,773	483,200	459,390	460,959
15 to 19	24,134	24,282	12,454	12,373	11,680	11,909
20 to 24	61,309	60,298	31,769	31,216	29,540	29,082
25 to 29	71,624	71,235	36,662	36,203	34,962	35,032
30 to 34	83,055	83,081	42,168	41,881	40,887	41,200
35 to 39	85,844	85,869	43,347	43,256	42,497	42,613
40 to 44	77,487	78,356	39,437	39,689	38,050	38,667
45 to 49	80,983	78,984	41,689	40,533	39,294	38,451
50 to 54	81,142	79,930	41,631	40,928	39,511	39,002
55 to 59	86,895	85,730	44,858	44,244	42,037	41,486
60 to 64	86,100	85,242	44,032	43,390	42,068	41,852
65 to 69	78,147	77,973	40,605	40,111	37,542	37,862
70 to 74	61,702	63,427	32,292	33,059	29,410	30,368
75 to 79	35,941	38,498	18,928	20,123	17,013	18,375
80 to 84	17,440	18,116	8,935	9,234	8,505	8,882
85 to 89	9,604	9,448	4,856	4,881	4,748	4,567
90 to 94	3,326	3,233	1,854	1,795	1,472	1,438
95 to 99	430	457	256	284	174	173

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1995 TO 2019, AND BY COUNTY, 2018 AND 2019

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/
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
2019	554,937	434	11,537.0	9,014
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
COUNTY: 2019				
Honolulu	310,804	391	6,926.8	8,706
Hawaii	123,290	587	2,039.4	9,704
Kauai	46,948	532	914.9	10,372
Maui	73,895	398	1,655.8	8,912

Continued on next page.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1995 TO 2019, AND BY COUNTY, 2018 AND 2019 -- 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: 2017 TO 2019

[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	2017	2018	2019
Oahu					
H-1 west of Kualalai Pkwy overpass	H-1	3.41	92,800	92,800	93,100
H-1 west of Paiwa street (Waipahu off-ramp)	H-1	7.00	151,600	154,600	154,800
H-1 west of Kaonohi St overpass	H-1	11.74	247,700	1/ 247,900	244,000
H-1 at Halawa Stream bridge	H-1	13.54	110,500	109,100	107,600
H-1 at airport off-ramp	H-1	16.22	96,900	96,200	95,100
H-1 east of Keehi interchange	H-1	17.09	87,900	85,700	86,100
H-1 west of King St tunnel	H-1	18.77	67,900	67,400	66,200
H-1 at Kalihi interchange	H-1	19.27	180,200	180,800	183,500
H-1 at Kapalama drainage canal bridge	H-1	20.24	196,900	199,500	206,300
H-1 west of Nuuanu Stream bridge	H-1	21.07	(NA)	188,800	196,500
H-1 west of Ward Ave overpass	H-1	22.10	178,400	178,100	176,500
H-1 east of Keeaumoku St overpass	H-1	22.94	193,100	192,100	189,600
H-1 at McCully St overpass	H-1	23.55	142,000	141,400	138,800
H-1 at Manoa-Palolo drainage canal	H-1	24.60	112,200	111,400	109,300
H-2 south of Pineapple Rd overpass	H-2	4.02	98,700	99,200	97,000
H-3 west of North Halawa Valley bridge	H-3	1.28	49,100	49,200	53,300
H-3 west of Kamehameha Hwy interchange	H-3	10.37	27,200	27,100	30,900
Moanalua Freeway west of Kahuapaani St overpass	H-201	0.21	47,300	49,000	50,300
Moanalua Freeway west of Moanalua St bridge	H-201	3.19	108,900	111,200	113,100
Pali Hwy at tunnels	61	5.69	42,100	39,500	38,000
Likelike Hwy before Kalihi St off-ramp	63	1.30	2/ 33,330	39,100	48,000
Likelike Hwy north of Valley View Drive	63	2.96	31,200	32,700	42,600
Sand Island Parkway north of Pascule bridge	64	1.41	12,800	12,800	13,000
Mokapu Saddle Rd east of John A. Burns Fwy on/off-ramp	65	2.53	2/ 28,400	2/ 28,627	23,500
Kalaniana'ole Hwy east of					

Continued on next page.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2017 TO 2019 -- Con.

Island and site	Route	Milepoint	2017	2018	2019
Oahu con.					
Moanala Bay Bridge	72	13.91	35,500	34,900	35,600
Kalaniana'ole Hwy east of Ainakoa Ave	72	18.32	84,800	84,300	84,500
Kamehameha Hwy at Wilson Bridge	80	0.01	56,500	55,800	55,700
Kamehameha Highway south of Whitmore Ave	80	0.89	26,100	25,900	25,800
Joseph P Leong Hwy north of Lokoea Pl	83	1.63	11,600	11,400	11,500
Kamehameha Hwy 1.6 miles northeast of Johnson Rd	83	30.59	12,800	12,900	13,000
Kamehameha Hwy/Nimitz Hwy east of Aolele St	92	1.61	29,000	28,100	27,400
Kamehameha Hwy/Nimitz Hwy west of Kalihi Stream bridge	92	3.60	(NA)	11,000	11,100
Nimitz Hwy east of Kalihi Stream bridge	92	3.80	(NA)	68,700	67,400
Nimitz Hwy east of Sand Island Access Rd	92	4.04	57,200	56,800	56,500
Nimitz Hwy west of Halekauwila St off-ramp	92	6.58	54,600	54,900	54,600
Farrington Hwy at Makaha bridge #2	93	12.50	18,700	18,600	19,300
Kalaheo Blvd south of H-1 on-ramp	95	0.27	36,900	(NA)	37,300
South Vineyard Blvd west of Maunakea St	98	0.86	19,700	20,300	21,000
Kamehameha Hwy south of Kipapa Stream	99	14.54	2/ 18,800	2/ 19,100	28,800
Kamehameha Hwy at Kalauao bridge	99	20.67	2/ 38,200	37,800	38,100
Kunia Rd near Kunia Dr	750	4.81	13,900	13,800	13,800
Farrington Hwy west of Old Fort Weaver Rd	7110	0.37	6,400	7,300	7,800
Middle St across from the Bus Transit Center	7415	0.18	2/ 14,424	2/ 14,448	13,500
Hawaii					
Kano'elehua Av near Pohaku St	11	1.30	35,700	36,700	35,900
Volcano Rd near Ikaika St	11	5.29	44,300	45,000	45,800
Volcano Rd at Glenwood Park	11	19.66	7,500	6,800	7,100

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Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2017 TO 2019 -- Con.

Island and site	Route	Milepoint	2017	2018	2019
Hawaii con.					
Mamalahoa Hwy at states' south Kona baseyard	11	104.14	7,300	7,200	7,600
Queen Kaahumanu Hwy near Hualalai Rd	11	120.77	1/ 25,100	1/ 25,100	25,400
Hawaii Belt Rd north of Kalaoa bridge	19	8.01	10,400	10,500	10,000
Kawaihae Rd near Waiaka St	19	58.90	10,300	10,200	10,000
Queen Kaahumanu Hwy near Kaupulehu Dr	19	83.60	13,400	13,400	15,000
Queen Kaahumanu Hwy north of OTEC access Rd	19	93.74	24,400	27,900	28,800
Keaau-Pahoa Rd south of waste station Rd	130	2.51	30,800	22,000	(NA)
Hawaii Belt Rd south of Lalamilo Farm Rd	190	1.07	6,600	6,800	6,800
Saddle Rd near Lava Road	200	33.04	4,900	5,300	5,600
Mamane St near middle of route	240	4.98	2/ 1,600	1,800	1,700
Kawaihae Rd next to Kawaihae Military Reservation	270	0.76	7,500	7,500	7,400
Kaumana Dr after Puainako St	1950	5.98	7,000	2,400	2,300
Maui					
Honoapiilani Hwy near Keanu St	30	0.50	2/ 14,342	13,800	14,100
Honoapiilani Hwy near Ukumehame Park	30	12.14	27,400	27,900	28,600
Honoapiilani Hwy south of Kaanapali Pkwy	30	23.58	43,800	43,700	44,800
Honoapiilani Hwy south of Maiha St	30	29.57	8,000	8,100	8,500
Piilani Hwy north of East Welakahai Rd	31	3.30	36,400	36,300	35,400
Hana Hwy near Central Power Plant Rd	36	1.70	37,400	37,700	39,000
Hana Hwy near Baldwin Park	36	6.28	18,800	19,200	20,000
Hana Hwy near Hookipa Park	36	8.72	13,300	13,300	13,900
Keolani Pl near Palapala Dr	36A	0.50	9,500	8,500	6,300
Kaleakala Hwy near North Firebreak Rd	37	0.61	32,700	32,900	33,100
Haleakala Hwy west of Old Haleakala Hwy	37	5.22	29,300	29,700	30,000

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Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2017 TO 2019 -- Con.

Island and site	Route	Milepoint	2017	2018	2019
Maui con.					
North Kihei Hwy near 9th St	310	0.86	17,100	17,300	17,900
Mokulele Hwy near Nakii Rd	311	2.38	34,300	34,900	35,200
Kahekili Hwy south of Akakuu St	340	0.55	6,800	6,800	6,800
Kekaulike Av north of Wahelani Rd	377	7.37	1,100	1,100	1,100
Kuihelani Hwy near Mauilani Pkwy	380	1.52	25,700	26,700	27,000
Kahului Airport Access Rd west of Hana Hwy intersection	3800	0.78	16,100	16,900	18,400
Kauai					
Kaumualii Hwy near Nani St	50	1.51	28,400	29,000	28,600
Kaumualii Hwy at Punee Rd	50	8.35	15,200	15,600	15,400
Kaumualii Hwy near Russian Fort Elizabeth SHP	50	22.37	11,500	11,900	11,800
Rice St near Mokoi St	51	0.79	13,600	13,600	14,300
Kuhio Hwy near Huilei Rd	56	2.40	15,100	15,300	15,600
Kuhio Hwy northwest of Kolo Rd and Kalamania Rd	56	23.53	15,500	15,200	15,200
Nawiliwili Rd near Kanani St	58	1.44	12,200	12,300	12,500
Akuhuni Rd near Palai St	570	0.31	14,200	14,800	14,700
Kuamoo Rd across Ohelo Rd	580	2.28	8,700	8,900	8,800
Maalo Rd next to Kauai Memorial Gardens	583	0.47	1,200	1,400	1,200
Lanai					
Kaumalapau Hwy west of Miki Rd	440	4.07	830	990	1,100

NA Not available.

1/ Revised from previous *Data Book*.

2/ Annual Daily Traffic (ADT) counts.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, Highway

**Table 18.19-- ROADWAY CONGESTION FOR THE URBAN
HONOLULU: 2014 TO 2017**

Subject	2014	2015	2016	2017
Population (1,000s)	1/ 840	840	845	850
Auto commuters (1,000s) 2/	379	379	382	384
Daily vehicle-miles of travel (1,000s)				
Freeway	6,066	6,050	6,484	6,488
Arterial streets	3,252	3,351	3,316	3,267
Cost components				
Value of time (\$/hour)	17.67	17.69	17.91	18.12
Commercial value of time (\$/hour)	1/ 44.82	46.87	50.20	52.14
Gasoline (\$/gallon)	4.21	2.90	2.73	3.07
Diesel (\$/gallon)	4.86	4.25	4.06	4.04
Annual excess fuel consumed 3/				
Total fuel (1,000 gallons)	14,118	14,475	15,114	15,689
Fuel per auto commuter (gallons)	26	28	29	29
Annual delay 4/				
Total delay (1,000s of person-hours)	1/ 31,546	32,628	34,660	36,378
Delay per auto commuter (person-hours) 5/	1/ 59	60	62	64
Congestion cost				
Total cost (\$ million)	1/ 647	655	704	753
Cost per auto commuter (\$)	1/ 1,187	1,234	1,320	1,374

1/ Revised from previous *Data Book*.

2/ Number of travelers who begin a trip during the morning or evening peak travel periods (6 to 10 a.m. and 3 to 7 p.m.).

3/ Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

4/ The overall size of the congestion problem. Measured by the total travel time above that needed to complete a trip at free-flow speeds.

5/ A yearly sum of all the per-trip delays for those persons who travel in the peak period (6 to 10 a.m. and 3 to 7 p.m.). This measure illustrates the effect of the per-mile congestion as well as the length of each trip.

Source: Texas Transportation Institute, *Urban Mobility Report* <<http://mobility.tamu.edu/ums/report/>> accessed July 11, 2020.

Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1999 TO 2018, AND BY COUNTY, 2017 AND 2018

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal 2/	Injured only	Killed 2/
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/	8,667	115	6,375	125
2013 3/	9,267	94	6,268	102
2014 3/	4/ 10,404	95	6,920	95
2015 3/	4/ 10,358	85	4/ 6,798	93
2016 3/	4/ 9,559	109	4/ 6,242	120
2017 3/	4/ 9,080	96	4/ 5,683	107
2018 3/	8,696	110	5,543	117
County: 2017 3/				
Honolulu	4/ 6,105	46	4/ 3,401	49
Hawaii	4/ 1,335	33	4/ 875	35
Kauai	4/ 533	3	361	6
Maui	4/ 1,107	14	4/ 1,046	17
County: 2018 3/				
Honolulu	5,784	60	3,387	62
Hawaii	1,178	30	733	32
Kauai	619	5	416	6
Maui	1,115	15	1,007	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: 2016 TO 2018

[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
2016, State total 1/	153	109	71	45	29	7	5	37	24
Hawaii	40	30	74	10	26	3	7	8	19
Honolulu	75	54	72	21	28	2	3	19	25
Kauai	11	6	53	5	47	1	11	4	36
Maui	27	19	70	8	30	1	4	7	26
2017, State total 1/	144	99	68	45	32	7	5	38	26
Hawaii	53	41	76	13	24	3	6	9	17
Honolulu	60	41	68	19	32	3	5	16	27
Kauai	6	5	83	1	17	-	0	1	17
Maui	25	12	49	13	51	1	4	12	47
2018, State total	156	110	70	46	30	11	7	35	22
Hawaii	48	34	70	14	30	5	10	10	20
Honolulu	80	57	71	23	29	5	6	18	23
Kauai	8	6	70	2	30	1	14	1	16
Maui	20	13	67	7	34	1	3	6	31

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 10, 2020.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:
2017 TO 2019**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2017	2018	2019	2017	2018	2019
Hawaii	254	226	220	5,078	5,610	3,355
Maui	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Lanai	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Molokai	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oahu	(3/)	(3/)	(3/)	549,895	560,730	562,749
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 2017

[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
2017	171	(D)	(D)	21	(D)
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)
2017	874,008	(D)	(D)	136,087	(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; *2017 Economic Census, Real Estate and Rental and Leasing: Summary for the U.S., States, and Selected Geographies: 2017* <<https://data.census.gov/cedsci/table?q=EC1753BASIC&g=0400000US15,15.050000&hidePreview=true&tid=ECNBASIC2017.EC1753BASIC&vintage=2017&n=N0500.00>> accessed July 11, 2020.

Table 18.24-- MOTOR CARRIER CHARACTERISTICS, BY COUNTY: 2019

[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	1,682	6,425	152,326	5,423	23,705
Hawaii	333	1,101	26,370	1,103	4,594
Maui	272	1,340	32,859	928	3,702
Honolulu	971	3,451	80,517	2,772	13,383
Kauai	106	533	12,580	620	2,026

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 2019

[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
2019	546	21,441,853	62,554,365	54,693,193

1/ 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 includes 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 2020

[As of July 1, 2020. 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, 2020.

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 2018

[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
2018	252,800	9,637,810	30

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 11, 2020.

Table 18.29-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2017 TO 2019

[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
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
Ellison Onizuka Kona Int'l.	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
Ellison Onizuka Kona Int'l.	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
2019					
Daniel K. Inouye International	326,837	164,373	101,675	47,517	13,272
Kahului	158,961	56,277	78,342	22,844	1,498
Ellison Onizuka Kona Int'l.	119,382	32,063	21,402	58,263	7,654
Lihue	126,833	27,246	77,982	19,440	2,165
Hilo International	59,620	15,607	3,145	37,084	3,784
Molokai	43,451	-	37,476	4,587	1,388
Kalaheo	160,402	146	14	140,290	19,952

Source: Federal Aviation Administration, Air Traffic Activity System, Airport Operations: Standard Report
<<https://aspm.faa.gov/opsnet/sys/main.asp>> accessed on July 13, 2020.

**Table 18.30-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2019**

[An aircraft operation is an aircraft arrival or departure]

Year	Daniel K. Inouye International Airport	Hilo International Airport	Ellison Onizuka Kona International Airport 1/	Kahului Airport	Lihue Airport	Molokai Airport
1991	403,566	88,206	56,140	180,857	112,679	47,898
1992	403,628	91,055	63,939	178,752	103,686	35,662
1993	358,505	92,297	59,904	172,265	70,910	39,057
1994	359,569	86,292	66,438	179,227	91,582	38,369
1995	373,926	84,917	73,537	179,883	97,400	45,517
1996	372,268	87,862	77,025	178,590	106,332	49,221
1997	358,784	101,521	87,358	173,342	111,349	44,667
1998	334,046	112,479	81,285	180,890	105,979	49,353
1999	346,609	115,820	82,955	188,385	115,523	49,184
2000	345,771	115,546	98,052	174,855	113,850	44,691
2001	327,006	96,238	107,793	160,324	103,655	43,806
2002	323,726	97,540	123,704	157,868	102,426	43,065
2003	301,919	99,415	119,210	151,558	97,576	40,944
2004	320,520	107,880	137,918	160,552	104,506	36,757
2005	330,506	108,462	154,967	168,449	107,497	39,364
2006	317,317	96,724	143,411	164,992	118,169	39,685
2007	310,607	96,011	144,537	148,034	116,461	37,615
2008	286,593	75,598	127,796	128,022	113,371	31,200
2009	274,434	67,851	109,581	118,800	99,171	24,295
2010	263,440	78,663	124,889	118,896	106,815	26,491
2011	263,354	78,687	111,968	122,449	100,487	30,274
2012	278,145	79,064	116,654	130,010	118,431	34,672
2013	290,237	94,311	118,037	128,303	126,302	34,518
2014	311,138	86,983	129,655	128,612	126,577	34,363
2015	312,655	81,269	135,064	134,674	132,398	37,328
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
2019	326,837	59,620	119,382	158,961	126,833	43,451

1/ On January 8, 2017 the airport was renamed Ellison Onizuka Kona International Airport at Keāhole.

Source: For 1991-2015, Hawaii State Department of Transportation, Airports Division, records; For 2016 to 2019 Federal Aviation Administration, Air Traffic Activity System, Airport Operations: Standard Report <<https://aspm.faa.gov/opsnet/sys/main.asp>> accessed on July 13, 2020.

Table 18.31-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS SERVING HAWAII: 2008 TO 2019

[As of June 30. Includes both scheduled and nonscheduled service, and also commuter lines and other air taxi service]

Service	2008	2009	2010	2011	2012	2013
All carriers	37	39	33	37	38	36
Transpacific only	28	30	24	26	28	26
Domestic	13	12	11	12	16	14
Foreign	15	18	13	14	12	12
Transpacific and interisland	2	1	2	1	1	1
Interisland only	7	8	7	10	9	9
Passenger carriers	3	3	4	6	6	6
Cargo and mail only	4	5	3	4	3	3
Service	2014	2015	2016	2017	2018	2019
All carriers	36	36	35	42	38	39
Transpacific only	27	28	27	35	31	32
Domestic	14	14	13	19	15	16
Foreign	13	14	14	16	16	16
Transpacific and interisland	1	1	1	1	1	2
Interisland only	8	7	7	6	6	5
Passenger carriers	5	4	4	3	2	2
Cargo and mail only	3	3	3	3	4	3

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: 2017 TO 2019**

[Non-stop flights only]

Airport	2017	2018	2019
State of Hawaii	12,235,608	1/ 13,239,175	13,619,349
Daniel K. Inouye International	8,113,768	1/ 8,277,192	8,415,431
Kahului	2,329,750	2,626,225	2,895,680
Ellison Onizuka Kona Int'l.	984,420	1,280,769	1,261,731
Hilo International	48,180	54,295	47,872
Lihue	759,490	1,000,694	998,635
Domestic	8,409,740	1/ 9,288,578	9,813,531
International	3,825,868	3,950,597	3,805,818

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Monthly Visitors Statistics, December 2018* and
Hawaii Tourism Authority, Tourism Research, *Monthly Visitor Statistics, December 2019*

<<https://www.hawaii-tourism-authority.org/research/monthly-visitor-statistics/>> accessed July 13, 2020.

Table 18.33-- CIVIL AIRMEN: 2015 TO 2019

[As of December 31]

Item	2015	2016	2017	2018	2019
Estimated active personnel					
Pilots, except instructors	3,145	3,126	3,281	3,421	3,701
Commercial 1/	694	678	686	709	722
Flight instructors	698	731	738	760	797
Nonpilot airmen 2/ 3/	7,004	6,773	6,964	7,292	7,532
Flight attendant	3,889	4,115	4,255	4,514	4,618
Estimated active women personnel					
Pilots, except instructors	354	357	385	425	501
Commercial 1/	80	71	72	72	90
Flight instructors	77	81	82	80	92
Nonpilot airmen 2/ 3/	2,990	3,126	3,224	3,413	3,503
Flight attendant	2,781	2,956	3,060	3,236	3,317

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 July 13, 2020.

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 2019

[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
2019	11,936,535	11,954,440	150,559	6,815,171

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 2017-2019, 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 July 13, 2020.

Table 18.37-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2019

Airport location	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
OVERSEAS						
Total	11,954,440	11,936,535	214,604	381,657	9,480	11,921
Honolulu	7,525,245	7,500,979	202,282	356,794	9,480	11,588
Kahului	2,487,712	2,474,592	1,463	19,479	-	9
Kona 2/	1,063,052	1,079,139	10,686	4,377	-	100
Lihue	843,768	846,580	170	1,004	-	223
Hilo	34,663	35,245	3	2	-	-
INTERISLAND						
Total	6,815,171	6,815,171	102,696	102,696	14,316	14,316
Honolulu	3,042,107	3,044,635	71,092	27,806	12,326	1,948
Kahului	1,367,105	1,375,739	13,231	22,613	916	5,124
Kona 2/	908,215	901,089	5,618	23,078	326	1,061
Lihue	809,084	808,003	5,441	14,322	242	3,324
Hilo	550,637	548,053	7,122	14,139	507	2,860
Molokai	51,251	53,159	35	169	-	-
Lanai	48,535	48,868	29	107	-	-
Kapalua	34,102	31,422	128	463	-	-
Waimea-Kohala	1,830	1,835	-	-	-	-
Kalaupapa	1,101	1,233	-	-	-	-
Kalaeloa	-	-	-	-	-	-
Hana	1,204	1,135	-	-	-	-

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 July 13, 2020.

Table 18.38-- AIR CARGO AND AIRMAIL: 1989 TO 2019

[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
2019 1/	429,305	763,742	18,960	23,841	205,392	28,633

1/ Data for 2017-2019 include 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 2017-19, 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 July 13, 2020.

**Table 18.39-- NON-STOP FLIGHTS TO DEPART THE STATE OF HAWAII,
BY DESTINATION: JULY 2019**

[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	5,605	Japan	
U.S.	4,492	Nagoya	62
West		Osaka	113
Anchorage	31	Sapporo	13
Denver	124	Tokyo - Haneda	93
Las Vegas	85	Tokyo - Narita	341
Long Beach	31	Other Asia	
Los Angeles	1,418	Beijing	13
Oakland	314	Seoul	82
Phoenix	225	Shanghai	26
Portland	173	Taipei	13
Sacramento	106	Oceania	
Salt Lake City	31	Auckland	50
San Diego	186	Brisbane	13
San Francisco	639	Melbourne	16
San Jose	248	Sydney	81
Seattle	483	Other	
East		Apia	4
Atlanta	31	Guam	31
Chicago	62	Christmas Island	5
Dallas / Fort Worth	155	Majuro	18
Houston	31	Manila	21
Minneapolis	26	Nadi	4
New York	31	Pago Pago	14
Newark	31	Papeete	7
Washington, D.C.	31		
Canada			
Vancouver	93		

Source: Diio - Mi[®], Hawaii Tourism Authority, Tourism Research.

**Table 18.40-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY
HAWAIIAN AIRLINES: 2015 TO 2019**

[As of July 1. Includes all taxes]

Category	2015	2016	2017	2018	2019
Regular fare	187.00	182.40	189.40	189.28	189.17
Lowest capacity-controlled fare	69.40	76.40	79.40	70.29	70.19

Source: Hawaiian Airlines, records.

**Table 18.41-- ANNUAL AVERAGE ROUND TRIP AIRFARES BETWEEN
HONOLULU AND SELECTED DESTINATIONS: 2002 TO 2019**

[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	607	576	591	509	543	958	947
2018	537	529	613	479	511	942	910
2019	509	513	547	461	506	887	847

Source: United States Department of Transportation, Origin and Destination data from Diio - Mi[®].

Table 18.42-- STATE COMMERCIAL HARBORS: 2019

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/ 3,420	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							
Kaunalapau	60	30-50	800	500	400	-	90
Oahu							
Honolulu Main	} 45	40	{ 3,600	1,520	} 5/ 33,160	6/ 723	6/ 9,289
Kapalama			{ 3,500	1,100			
Kalaeloa							
Barbers Point	42	38	2,300	1,800	3,260	36	7/ 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/ Area calculated based on aerial imagery using GIS software.

2/ Revised from previous *Data Book*. 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/ Revised from previous *Data Book*. Honolulu Harbor Pier 12 rebuilt, completed in 2016.

6/ Revised from previous *Data Book*.

7/ 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, 2019**

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, 2019**

Subject	Number	Subject	Number
Registered vessels	12,595	Type of vessel	
Length		Aux. powered sailing vessel	1,054
Under 16 feet	4,100	Cabin motorboat	2,358
16 to less than 26 feet	6,513	Open motorboat	5,624
26 to less than 40 feet	1,741	Runabout	1,172
40 to 65 feet	229	Sail only	584
Over 65 feet	12	Houseboat	2
Hull material		Motor vessel over 65 feet in length	8
Aluminum	479	Thrill craft	1,069
Fiberglass / plastic	11,325	Other	724
Rubber / fabric	402	Uses	
Wood	294	Pleasure	11,671
Other	74	Charter fishing	4
Steel	21	Commercial fishing	152
Propulsion		Commercial Passenger	206
Inboard	2,601	Livery	47
Outboard	6,111	Dealer	8
Inboard / outboard	1,185	Manufacturer	1
Sail / inboard	503	Youth group - fee exempt	95
Sail / outboard	392	Government - fee exempt	259
Sail only	487	Other	152
Manual	75	Island where vessel is kept	
Other	152	Hawaii	2,216
Waterjet	1,089	Kauai	1,337
Mooring location		Lanai	53
Moored on water	2,919	Maui	1,262
Moored on land	9,676	Molokai	158
		Oahu	7,569

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 2019

[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	2019	12,595
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 2019

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
2019	20	4	6	6	21	231

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: 1987 TO 2019

[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
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
2019 1/ 2/	(NA)	7,836,583	(NA)	3,512,355

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.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.51-- CRUISE SHIP PASSENGERS FOR HONOLULU HARBOR:
2014 TO 2019**

[Fiscal years ending June 30. Includes cruise ships from out-of-state and cruise ships home-ported in Hawaii]

Type of passenger	2014	2015	2016	2017	2018	2019
In	196,984	172,382	166,570	177,137	182,596	285,231
Out	274,462	236,400	240,382	241,551	254,085	(1/)

1/ Beginning with fiscal year 2019, the State of Hawaii tariff system only counts inbound passengers.
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: 2019

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

NAICS code	Kind of business	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wages per employee
	Total	1,116	30,395	1,724,867	56,748
481	Air transportation	74	10,114	744,096	73,572
4811	Scheduled air transportation	45	9,724	721,064	74,154
4812	Nonscheduled air transportation	29	390	23,033	59,058
483	Water transportation	23	1,745	140,753	80,642
484	Truck transportation	235	3,319	160,872	48,469
4841	General freight trucking	119	1,874	93,352	49,803
4842	Specialized freight trucking	116	1,445	67,521	46,739
485	Transit & ground passenger transp.	136	2,227	65,587	29,445
4854	School & employee bus transp.	15	1,009	27,669	27,413
4859	Other ground passenger transp.	54	786	23,539	29,958
487	Scenic & sightseeing transportation	259	4,504	173,869	38,602
4871	Scenic & sightseeing transp., land	47	1,709	62,508	36,583
4872	Scenic & sightseeing transp., water	183	2,182	76,747	35,174
4879	Scenic & sightseeing transp., other	29	614	34,614	56,420
488	Support activities for transportation	274	5,336	312,894	58,634
4881	Support activities for air transp.	80	2,535	83,087	32,778
4883	Support activities for water transp.	37	1,337	172,894	129,331
4884	Support activities for road transp.	83	765	18,352	23,992
491	Postal service	3	6	82	13,100
492	Couriers & messengers	65	2,403	89,814	37,373
4921	Couriers & express delivery services	38	1,665	75,593	45,410
4922	Local messengers and local delivery	27	739	14,221	19,256
493	Warehousing & storage	49	739	36,899	49,909

Source: U.S. Bureau of Labor Statistics, *Employment and Wages, Annual Averages 2019*
 <https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables> accessed July 14, 2020.

**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
Number **Table Name**

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

Narrative

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19.06	Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and 2017
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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.

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: 2015 TO 2018

[In thousands of dollars. Source revised statistics for 1969 to 2017]

Item	2015	2016	2017	2018
Cash receipts from marketings	673,103	671,492	661,312	629,117
Livestock and products	176,637	150,376	155,333	162,835
Crops	496,466	521,116	505,979	466,282
Other income	114,018	78,716	83,546	65,582
Government payments	24,841	12,081	11,542	13,802
Imputed and misc. income received 1/	89,177	66,635	72,004	51,780
Production expenses	750,211	775,668	643,178	656,896
Feed purchased	33,876	32,197	32,033	34,250
Livestock purchased	5,514	3,859	3,723	3,862
Seed purchased	20,593	21,076	12,711	12,438
Fertilizer, lime and agricultural chemicals	71,029	68,964	45,552	45,496
Petroleum products purchased	26,341	24,318	22,455	26,416
Hired farm labor expenses 2/	276,555	298,278	233,019	222,893
All other production expenses 3/	316,303	326,976	293,685	311,541
Value of inventory change	8,301	-3,626	1,493	-1,447
Livestock	8,025	2,104	1,061	-868
Crops	-	-	-	-
Materials and supplies	276	-5,730	432	-579

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: U.S. Bureau of Economic Analysis, "Local Area Personal Income and Employment, Farm Income and Expenses" (CAINC45) <<https://www.bea.gov/itable/>> accessed April 8, 2020.

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 2019

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
2019	7,300	1,100	(6/)	(6/)	4,500

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 April 9, 2020.

Table 19.08-- FARM EMPLOYMENT: 1998 TO 2018

[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 forward are based on the 2017 NAICS]

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 4/	13,153	5,777	7,376
2015 4/	12,610	5,876	6,734
2016 4/	12,239	5,945	6,294
2017 5/	11,981	5,931	6,050
2018	12,505	5,929	6,576

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.

4/ "Total farm employment" and "Farm proprietors employment" revised from previous *Data Book*.

5/ All componenet revised from previous *Data Book*.

Source: Bureau of Economic Analysis, "Annual State Personal Income and Employment, Total Full-Time and Part-Time Employment by NAICS Industry" (SAEMP25N) (September 24, 2019) and "Full-Time and Part-Time Wage and Salary Employment by NAICS Industry" (SAEMP27N) (September 24, 2019) <<https://www.bea.gov/itable/>> accessed April 9, 2020.

Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2002 TO 2018

[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 and forward are based on the 2017 NAICS.]

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
State			
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 4/	13,153	5,777	7,376
2015 4/	12,610	5,876	6,734
2016 4/	12,239	5,945	6,294
2017 5/	11,981	5,931	6,050
2018	12,505	5,929	6,576
Hawaii			
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 4/	6,167	3,572	2,595
2015 4/	6,055	3,620	2,435
2016 4/	5,997	3,662	2,335
2017 5/	6,104	3,648	2,456
2018	6,351	3,647	2,704

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Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2002 TO 2018 -- Con.

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
Honolulu			
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 4/	3,007	767	2,240
2015 4/	2,873	785	2,088
2016 4/	2,756	794	1,962
2017 5/	2,748	794	1,954
2018	2,941	794	2,147
Maui 6/			
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 4/	2,871	945	1,926
2015 4/	2,603	968	1,635
2016 4/	2,448	979	1,469
2017 5/	2,089	980	1,109
2018	2,096	979	1,117

Continued on next page.

Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2002 TO 2018 -- Con.

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
Kauai			
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 4/	1,108	493	615
2015 4/	1,079	503	576
2016 4/	1,038	510	528
2017 5/	1,040	509	531
2018	1,117	509	608

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/ "Total farm employment" and "Farm proprietors employment" revised from previous *Data Book*.

5/ All componenet revised from previous *Data Book*.

6/ 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 14, 2019) and "Annual State Personal Income and Employment, Total Full-Time and Part-Time Employment by NAICS Industry" (SAEMP25N) (September 24, 2019) <<https://www.bea.gov/itable/>> accessed April 9, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 19.10-- VALUE OF CROP, LIVESTOCK, AND AQUACULTURE SALES:
1995 TO 2018**

[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	563,803	417,069	(2/)	(D)	(NA)	3/ 57,467	76,367
2018	(NA)	(NA)	(2/)	(D)	(NA)	3/ 58,934	(NA)

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**Table 19.10-- VALUE OF CROP, LIVESTOCK, AND AQUACULTURE SALES:
1995 TO 2018 -- Con.**

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; U.S. Dept. of Agriculture, National Agricultural Statistics Service, *2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii*, "Table 2. Market Value of Agricultural Products Sold Including Landlord's Share, Food Marketing Practices, and Value-Added Products: 2017 and 2012" (April 2019) <<https://www.nass.usda.gov/AgCensus/index.php>> accessed July 8, 2020, and records.

Table 19.11-- CROPS, BY ACREAGE AND SALES: 2015 TO 2018

Subject and crop	2015	2016	2017	2018
Acreage in crop (1,000 acres)				
Sugarcane	36	35	(1/)	(1/)
Pineapples	(D)	(D)	(D)	(D)
Vegetables and melons (harvested acreage)	5	6	5	6
Fruits, excluding pineapples	3	2	(NA)	(NA)
Coffee (acres bearing)	8	7	7	7
Macadamia nuts (acres bearing)	16	16	17	17
All other crops	18	20	(NA)	(NA)
Value of crop sales (\$1,000)				
Sugar (unprocessed cane)	48,148	54,375	(1/)	(1/)
Pineapples (fresh equivalent)	(D)	(D)	(D)	(D)
Vegetables, ginger root, herbs, and melons 2/ 3/	45,190	55,325	45,620	66,307
Fruits (excluding pineapples) 3/	22,271	19,906	(NA)	(NA)
Coffee 4/	62,622	48,856	43,774	50,160
Macadamia nuts (in shell)	46,000	42,000	53,900	42,000
Taro	2,381	2,312	2,580	1,970
Seed crops	140,830	148,400	120,800	(NA)
Flowers and nursery products	67,399	74,543	77,550	84,262

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), <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/> accessed July 12, 2019
 USDA National Agricultural Statistics Service, *Hawaii Floriculture and Nursery Products* (annual), and *Hawaii Vegetable and Melon Crops* (annual) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/> accessed May 12, 2020; Quick Stats <<https://quickstats.nass.usda.gov/>> accessed May 12, 2020, and records.

Table 19.12-- SEED CROPS, BY NUMBER OF FARMS, ACREAGE, OUTSHIPMENTS, AND VALUE: 2005/2006 TO 2019/2020

[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	4,090	7,600	148,400	144,100	4,300
2017/2018	10	3,030	5,320	121,900	111,800	10,100
2018/2019 2/	(NA)	2,790	4,195	116,000	112,500	3,500
2019/2020 3/	(NA)	2,565	3,775	109,500	(D)	(D)

NA Not available.

D Values not meeting NASS publication standards combined to avoid disclosure.

1/ Value is based on sales or gross operational budgets.

2/ Revised from previous *Data Book*.

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 May 18, 2020 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: 2018

[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/	7,100	(NA)	3.8	1.90	27,300	50,160
Macadamia nuts	16,900	(NA)	2.1	1.19	35,300	42,007
Seed crops	2,790	(NA)	(X)	(X)	(X)	116,000
Fruits						
Avocados	840	(NA)	2.1	1.02	1,560	1,591
Bananas	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Papayas	800	(NA)	13.0	0.55	10,290	5,702
Vegetables						
Bittermelon	(NA)	20	2.5	1.10	50	55
Cabbage, Chinese	(NA)	170	13.7	2.00	2,330	4,660
Cabbage, mustard	(NA)	60	7.5	0.82	450	370
Daikon radish	(NA)	55	7.6	0.88	420	370
Eggplant	(NA)	70	11.1	0.95	780	740
Kale	(NA)	95	9.3	2.95	885	2,615
Lettuce, head	(NA)	(D)	(D)	(D)	(D)	(D)
Lettuce, leaf	(NA)	(D)	(D)	(D)	(D)	(D)
Lettuce, Romaine	(NA)	130	9.7	1.06	1,260	1,330
Onions, green	(NA)	75	14.1	2.45	1,060	2,600
Potatoes, sweet	(NA)	150	18.3	0.95	2,750	2,610
Squash, Oriental	(NA)	(D)	(D)	(D)	(D)	(D)

D Data not disclosed but included in Unpublished total.

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* (April 2020) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Vegetables/index.php> accessed May 18, 2020, *Hawaii Seed Crops* (May 2020) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Sugarcane_and_Specialty_Crops/index.php> accessed May 18, 2020, and Quick Stats <<https://quickstats.nass.usda.gov>> accessed May 18, 2020, 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 2019

[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	375	10
2009	150	2	84	32	32	13	381	10
2010	151	2	81	36	32	13	366	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)	1/ 16
2016	140	2	73	34	31	10	(D)	1/ 18
2017	142	2	74	34	32	8	(D)	19
2018	144	2	75	34	33	9	(D)	17
2019	142	2	76	33	32	11	(D)	16

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 April 13, 2020, and records.

Table 19.18-- LIVESTOCK SALES, BY TYPE: 1990 TO 2019

[In thousands of dollars]

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
2019	42,752	232	(D)	1,638

D Withheld to avoid disclosing data for individual operations.

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 May 12, 2020.

**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 2018

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
2018	(NA)	2,558	2,121	17,149	(NA)	2,116	84,262

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) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Flowers_and_Nursery_Products/index.php accessed February 11, 2020.

**Table 19.21-- SELECTED FLORICULTURE AND NURSERY PRODUCTS,
BY COMMODITY: 2018**

[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	36	1,000 stems	2,828	2,718
Proteas	17	1,000 stems	774	829
Orchids				
Cut, Dendrobiums	18	1,000 stems	1,260	1,124
Potted, Dendrobiums	46	1,000 pots	432	2,500
Potted, Phalaenopsis	23	1,000 pots	257	2,237
Foliage				
Potted, Dracaena	28	1,000 pots	(NA)	(D)
Potted, Palms	39	1,000 pots	(NA)	5,255
Potted flowering plants				
Anthuriums	22	1,000 pots	170	1,276
Poinsettias	19	1,000 pots	341	1,773
Plant rentals	27	(X)	(NA)	3,261
Landscape plants 2/	128	(X)	(NA)	22,985

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 Horticulture and Nursery Products* (Annual Summary 2018) < https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Flowers_and_Nursery_Products/Floriculture/201909HawaiiWholeFlower.pdf > accessed December 13, 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 2019

[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	2019	307,818,400

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 July 15, 2020.

Table 19.26-- AGRICULTURE THEFT AND CRIME COST: 2004 AND 2019

Year and subject	State total	Hawaii County	City and Co. of Honolulu	Kauai County	Maui County
2004					
Theft					
Loss (\$1,000)	1,946	634	798	185	329
Incidents	4,739	1,574	2,492	439	234
Vandalism					
Loss (\$1,000)	2,019	192	568	99	1,160
Incidents	1,153	494	133	79	447
Security Cost (\$1,000)	7,400	3,119	2,553	893	835
2019					
Theft					
Loss (\$1,000)	2,623	1,583	250	612	178
Incidents	3,616	1,953	784	402	477
Vandalism					
Loss (\$1,000)	502	217	(1/)	(1/)	157
Incidents	1,112	687	(1/)	(1/)	192
Security Cost (\$1,000)	11,227	7,783	1,619	1,033	792

1/ Counties not meeting NASS publication standards are combined and shown under "Other Cntys" and included in State totals. County totals in these instances may not add to State total.

Source: USDA National Agricultural Statistics Service, *Hawaii Agricultural Theft and Vandalism* (October 2005; April 2020) <https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Miscellaneous/index.php> accessed April 29, 2020.

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: 2016 to 2019
<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: 2014 to 2016
<u>20.10</u>	Crushed Stone Sold or Used: 2012 to 2014

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's newly released *2017 Economic Census*, U.S. Census Bureau *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.

**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:
2016 TO 2019**

Cause of fire	Number of fires				Acres burned			
	2016	2017 1/	2018	2019	2016	2017 1/	2018	2019
State total	16	524	13	31	18,124	7,697	30,593	32,124
Lightning	1	2	2	-	1,787	2	817	-
Campfire	-	1	-	1	-	1	-	228
Smoking	-	-	-	-	-	-	-	-
Debris burning	1	2	-	-	75	2,950	-	-
Arson	2	1	-	-	5,801	11	-	-
Equipment	2	2	1	1	4,701	560	3,760	9,805
Railroads	-	-	-	-	-	-	-	-
Children	-	-	-	-	-	-	-	-
Miscellaneous	10	516	10	29	5,760	4,173	26,016	22,091

1/ 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	1/ 42,658	42,658	34,622

NA Not available.

1/ Withheld due to low level of fishermen reporting and to preserve confidentiality.

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: 2014 TO 2016

[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	2014 1/	2015 1/	2016
Quantity (1,000 metric tons)			
Gemstones	(NA)	(NA)	(NA)
Sand and gravel (construction)	492	459	357
Stone (crushed)	4,900	5,150	5,200
Value (\$1,000)			
Total	104,000	112,000	118,000
Gemstones	136	103	69
Sand and gravel (construction)	7,830	10,300	7,720
Stone (crushed)	95,700	101,000	110,000

NA Not available.

1/ Revised from previous *Data Book*.

Source: U.S. Geological Survey, 2016 Minerals Yearbook, Statistical Summary [Table-Release only]
(March 2020) <<https://www.usgs.gov/centers/nmic/statistical-summary>> accessed July 8, 2020.

Table 20.10--CRUSHED STONE SOLD OR USED: 2012 TO 2014

[Due to rounding, components may not add to totals shown]

Type	2012	2013	2014
Number of quarries	(X)	(X)	(X)
Traprock	16	15	NA
Volcanic cinder and scoria	3	2	NA
Miscellaneous stone	5	4	NA
Quantity (1,000 metric tons)	4,990	2/ 5,420	5,650
Traprock	4,440	4,800	NA
Volcanic cinder and scoria	212	28	NA
Miscellaneous stone	338	350	NA
Value (\$1,000)	93,100	2/ 92,300	107,000
Traprock	85,100	83,800	NA
Volcanic cinder and scoria	1,410	522	NA
Miscellaneous stone	6,600	5,310	NA
Unit value (dollars) 3/	18.66	2/ 17.03	18.94
Traprock	19.17	17.44	NA
Volcanic cinder and scoria	6.67	18.64	NA
Miscellaneous stone	19.51	15.17	NA

X Not applicable.

NA Not available.

1/ Includes limestone-dolomite reported with no distinction between the two kinds of stone.

2/ Revised from previous *Data Book*.

3/ Average.

Source: U.S. Geological Survey, Minerals Yearbook, *2012-2013 Minerals Yearbook, Hawaii [Advance Release]* (July 2016) <<http://minerals.er.usgs.gov/minerals/pubs/state/hi.html>> accessed April 27, 2017 and *2014 Minerals Yearbook, Hawaii [Advance Release]* (July 2019) <<https://www.usgs.gov/centers/nmic/mineral-industry-hawaii>> accessed April 15, 2020.

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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).

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.

Table 21.01-- NUMBER AND VALUE OF BUILDING PERMITS, BY COUNTY: 2006 TO 2019

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
2019	21,074	16,405	3,186	176	1,307
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
2019	3,221,446	2,063,293	552,078	123,067	483,008

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:
2016 TO 2019**

[In thousands of dollars]

Category	State total 1/	City and County of Honolulu	Hawaii County	Kauai County 1/	Maui County
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
2019					
Total	3,221,446	2,063,293	552,078	123,067	483,008
Residential	1,211,631	593,090	277,418	123,067	218,056
Hotel	71,108	24883.02	-	(NA)	46,225
Non-residential	281,609	122,296	83,524	(NA)	75,789
Additions and alterations	1,657,098	1,323,024	191,136	(NA)	142,938

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:
2018 AND 2019**

[Excludes building permits for additions, alterations and repair. "Per 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
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
2019					
One-family	394,104	406,128	353,955	703,923	332,582
Two-family	453,271	506,858	-	249,005	232,205
Multi-family	225,226	210,758	125,000	-	338,293

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 2019**

[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 1/	9,455,622,425	5,699,765,703	1,266,607,842	1,164,575,838	501,706,082

1/ January 2018, The Hawaii State Department of Taxation initiated a new district (county) report, "General Excise and Tax Liability by District." If the district data are not available, the tax liabilities and tax bases are reported in the category "Unknown District." Therefore county totals will not add to the state total.

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 - construction workers (\$1,000)	Value of construction work (\$1,000) 3/
			All 1/	Construction 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 2019**

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	2,241	892	1,349	812	201	336
2016	1,990	716	1,274	736	273	265
2017 1/	2,496	864	1,632	764	384	494
2018	2,457	847	1,610	1,038	198	374
2019	2,272	830	1,442	757	171	514
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	176	124	52	32	-	20
2016	298	236	62	20	2	40
2017	373	285	88	7	34	47
2018	385	334	51	7	16	28
2019	(NA)	303	(NA)	(NA)	5	8
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	2,865	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
2019	(NA)	1,173	(NA)	(NA)	3	132
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	421	385	36	33	3	-
2017	406	329	77	40	11	26
2018	(NA)	239	(NA)	754	(NA)	32
2019	373	266	107	41	25	41

NA Not available.

1/ Maui County 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/>> 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: 2016 TO 2019

[In millions of dollars. Contractors with the highest Hawaii revenues based on 2019 survey responses. List represents only those companies that responded to requests for information]

Rank	Contractor	1/ 2016	2017	2018	2019
1	Hawaiian Dredging Construction Co. Inc.	695.0	589.0	550.0	514.0
2	Nan Inc.	302.5	302.9	327.5	388.0
3	Hensel Phelps Construction Co.	340.0	214.0	285.0	379.2
4	Kiewit Infrastructure West Co.	(2/)	162.0	165.0	298.5
5	Dorvin D. Leis Co. Inc.	144.0	150.9	185.2	185.0
6	Nordic PCL Construction Inc.	436.9	206.7	301.0	170.0
7	Albert C. Kobayashi Inc.	414.0	355.4	180.5	163.0
8	Swinerton Builders	240.0	120.0	224.0	158.8
9	Unlimited Construction Services Inc.	88.7	117.0	152.4	130.8
10	Royal Contracting Co. Ltd.	61.8	102.2	83.2	96.8
11	Wasa Electrical Services Inc.	92.9	100.8	87.3	90.0
12	Allied Builders System	92.4	60.5	68.2	89.7
13	Layton Construction Co. LLC	221.8	254.0	158.2	83.2
14	Arita Poulson General Contracting LLC	25.0	60.9	52.1	77.5
15	Maryl Group Construction, Inc.	(2/)	44.4	35.0	74.0
16	Group Builders Inc.	92.8	82.1	56.2	66.0
17	Isemoto Contracting Co. Ltd.	83.4	74.7	84.5	63.8
18	Coastal Construction Co. Inc.	61.9	57.5	57.2	60.0
19	Alakai Mechanical Corp.	88.6	81.1	58.7	59.2
20	Shioi Construction Inc.	68.7	66.0	52.0	59.0
21	Ralph S. Inouye Co. Ltd	66.4	66.9	52.8	56.1
22	Metzler Contracting Co. LLC	(2/)	(2/)	(2/)	49.4
23	Honolulu Builders LLC	31.8	24.8	47.2	42.3
24	Healy Tibbitts Builders Inc.	27.1	40.9	33.6	39.7
25	Constructors Hawaii Inc.	(2/)	20.0	26.3	36.5

1/ Figures furnished in 2017 by the 2016 Top 25 listees.

2/ Not ranked.

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; "Hawaii's Top 25 Contractors" (July 2020) pp. 21 <<https://tradepublishing.com/>> accessed July 8, 2020.

Table 21.09-- HONOLULU CONSTRUCTION COST INDEXES: 1990 TO 2019

[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	2/ 282.1	(NA)	(NA)	257.1	(NA)	(NA)
2019	290.7	(NA)	(NA)	264.2	(NA)	(NA)

NA Not available.

1/ Wages and benefits.

2/ Revised from previous *Data Book*.

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 16, 2020 and records.

Table 21.10-- CONDOMINIUM ASSOCIATIONS REGISTERED WITH THE STATE OF HAWAII AND APARTMENTS REPRESENTED: 1990 TO 2019

[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	2019	1,560	156,532

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 April 17, 2020 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: 2014 TO 2019

[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	2014	2015	2016	2017	2018	2019
All types	153	160	163	139	141	(NA)
Total residential 1/	121	125	139	116	110	(NA)
Commercial and other	9	9	4	4	4	(NA)
Agricultural	23	26	20	19	27	(NA)
New residential projects						
by size 1/	115	125	139	116	130	108
2 units or fewer	25	34	58	30	33	37
3 to 15 units	47	34	39	39	17	35
16 to 50 units	8	10	13	15	45	7
More than 50 units	35	47	29	32	35	29

NA Not available.

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, *2019 Annual Report Real Estate Commission*
<<http://cca.hawaii.gov/reb/reports/>> accessed May 27, 2020.

**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:
2017 TO 2019**

Subject	State total	Oahu	Hawaii	Kauai	Maui	Molokai	Lanai
2017							
Properties 1/	73	16	15	19	22	1	-
Registered units 2/ 3/	10,978	3,325	1,928	2,330	3,388	7	-
Operated units 3/ 4/	11,062	3,329	1,801	2,546	3,379	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 4/	11,923	3,731	1,823	2,714	3,648	7	-
2019							
Properties 1/	87	20	18	19	29	1	-
Registered units 2/	11,408	3,659	2,000	2,324	3,418	7	-
Operated units 4/	12,090	3,782	1,893	2,753	3,655	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/ 'State Total', 'Oahu', 'Hawaii', 'Kauai' and 'Maui' revised from previous *Data Book*.

4/ There was a change in the reporting procedure from the 2009 data and onward. The number of units operated represented the units that were in use. Certain timeshares properties have the ability to split a given registered timeshare unit into more than one operated visitor unit (i.e. it may be possible for a two-bedroom unit to be rented as two keys: one studio unit and one 1-bedroom unit). Operated units were defined as number of salable keys that were operated for visitor use. In some cases, the number of operating units exceed the number of registered units for a given timeshare property. This change in reporting procedure resulted in a higher inventory count for certain timeshare properties, but did not necessarily reflect a change in the physical plant.

Source: Hawaii Tourism Authority, Tourism Research, *Visitor Plant Inventory* (annual)
<<https://www.hawaiitourismauthority.org/research/>> accessed May 11, 2020.

Table 21.15-- HOME EXEMPTIONS CLAIMED: 2014 TO 2020

[Fiscal year ending June 30]

Tenure and county	2014	2015	2016	2017	2018	2019	2020
Total Owner-occupied 1/							
State total	217,768	217,108	217,439	218,805	220,618	223,713	225,997
Honolulu	140,865	140,582	140,950	142,015	143,280	145,446	146,892
Maui	25,681	25,431	25,364	25,310	25,053	24,726	25,082
Hawaii	38,856	38,720	38,599	38,749	39,432	40,588	40,877
Kauai	12,366	12,375	12,526	12,731	12,853	12,953	13,146
Fee simple							
State total	212,433	212,010	212,486	214,002	215,939	219,188	221,448
Honolulu	136,641	136,524	137,025	138,232	139,607	141,829	143,331
Maui	24,953	24,755	24,724	24,673	24,432	24,122	24,492
Hawaii	38,692	38,576	38,466	38,632	39,331	40,588	40,791
Kauai	12,147	12,155	12,271	12,465	12,569	12,649	12,834
Leasehold							
State total	5,335	5,098	4,953	4,803	4,679	4,525	4,549
Honolulu	4,224	4,058	3,925	3,783	3,673	3,617	3,561
Maui	728	676	640	637	621	604	590
Hawaii	164	144	133	117	101	-	86
Kauai	219	220	255	266	284	304	312

1/ "Owner-occupied" is the sum of the "fee simple" and "leasehold" home exemptions categories.

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 April 20, 2020 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: 2014-2018

[Based on a sample and subject to sampling variability. Average of the 5-year period 2014 to 2018]

Characteristic	State total	City and County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All housing units	539,053	348,497	87,101	92	30,793	72,570
Occupied	456,782	311,525	68,412	47	22,524	54,274
Vacant	82,271	36,972	18,689	45	8,269	18,296
Percent						
Homeowner vacancy rate	1.3	0.9	2.3	(X)	2.2	1.7
Renter vacancy rate	10	5.2	10.0	14.8	16.2	28.0
Units in structure						
1 unit, detached	287,112	156,034	67,935	84	21,650	41,409
1 unit, attached	48,624	40,292	2,601	0	1,411	4,320
2 units	11,526	6,150	1,840	0	1,172	2,364
3 or more units	190,471	145,429	14,385	8	6,539	24,110
Mobile home, boat, RV, van, etc	1,320	592	340	0	21	367
Tenure						
Owner-occupied	266,362	173,697	45,767	2	14,211	32,685
Renter-occupied	190,420	137,828	22,645	45	8,313	21,589
Average household size of unit						
Owner-occupied	3.15	3.24	2.77	(NA)	3.18	3.16
Renter-occupied	2.84	2.81	2.98	1.36	3.06	2.75
Median number of rooms	4.6	4.6	4.9	3.2	4.7	4.2
Percent						
Structure built 2010 or later	3.8	4.2	3.2	0.0	2.2	3.1
Structure built 2000 to 2009	13.5	10.6	21.6	2.2	13.8	17.2
Structure built 1990 to 1999	14.0	11.7	19.3	4.3	19.6	16.7
Structure built 1940 to 1989	65.2	70.1	52.1	54.3	61.1	59.2
Structure built before 1940	3.5	3.4	3.7	39.1	3.3	3.9
Lacking complete plumbing	0.7	0.4	1.9	0.0	0.3	0.5
Lacking complete kitchen facilities	1.6	1.4	2.6	0.0	1.3	1.7
With no telephone service	2.2	2.1	2.3	17.0	2.9	2.4
Percent householder moved						
Into unit 2010 or later	44.5	45.8	41.6	53.1	36.8	44.2
Into unit 2000 to 2009	23.5	22.1	27.7	29.8	25.0	25.9
Into unit 1990 to 1999	12.5	11.8	13.6	12.8	16.5	13.2
Into unit before 1990	19.4	20.2	17.0	4.3	21.8	16.7
Percent of units with occupants per room of 1.51 or more	3.5	3.6	2.8	0.0	2.3	3.9

Continued on next page.

**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS, BY COUNTY:
2014-2018 -- Con.**

Characteristic	State total	City and County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
Median value (dollars) for owner-occupied units	587,700	649,800	333,600	(NA)	546,000	599,500
Selected monthly owner costs						
Housing units with a mortgage	174,326	117,352	26,402	-	8,410	22,162
Median (dollars)	2,350	2,527	1,634	(X)	2,218	2,354
Housing units without a mortgage	92,036	56,345	19,365	2	5,801	10,523
Median (dollars)	519	590	321	(NA)	489	456
Selected monthly owner costs as a percentage of household income (SMOCAPI) 1/						
Housing units with a mortgage (excluding units where SMOCAPI cannot be computed)	173,274	116,747	26,158	-	8,350	22,019
Monthly costs were 35 percent or more of household income	51,605	33,426	7,749	-	2,836	7,594
Housing units without a mortgage (excluding units where SMOCAPI cannot be computed)	90,611	55,723	18,876	2	5,681	10,329
Monthly costs were 35 percent or more of household income	8,614	5,493	1,686	-	625	810
Gross rent						
Occupied units paying rent	178,148	130,927	19,850	23	7,427	19,921
Median(dollars)	1,566	1,703	1,168	863	1,333	1,406
Gross rent as a percentage of household income (GRAPI)						
Occupied units paying rent (excluding units where GRAPI cannot be computed)	174,956	128,733	19,181	23	7,306	19,713
Monthly costs were 35 percent or more of household income	80,798	62,139	8,214	2	2,736	7,707

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, 2014-2018 American Community Survey 5-Year Estimates, "DP04 Selected Housing Characteristics" <<https://data.census.gov>> accessed December 30, 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, 2016 AND 2019, AND COUNTY, 2019**

Subject	State		County, 2019			
	2016	2019	Honolulu	Maui	Hawaii	Kauai
Total households	462,876	455,502	311,451	54,434	67,054	22,563
Tenure (percent)						
Own	57	58	56	59	67	63
Rent	43	42	44	41	33	37
Unit size (bedrooms) (percent)						
Studio or 1 bedroom	16	18	19	16	17	14
2 bedrooms	25	24	24	25	21	19
3 bedrooms	36	35	33	38	42	49
4+ bedrooms	23	23	24	20	20	18
Crowded (percent) 1/	10.5	13.6	14.1	13.8	11.5	12.2
Doubled up (percent) 2/	12.0	13.0	13.3	14.1	10.3	14.5
Median household income (dollars)	3/ 72,821	74,983	95,455	74,451	59,503	74,527
Average monthly mortgage payment (dollars)	1,987	2,108	2,275	2,063	1,483	2,134
Average monthly rent (dollars)	1,554	1,717	1,818	1,644	1,210	1,543
Monthly shelter payment as percent of monthly household income						
No shelter payment	21.4	17.3	17.0	14.5	21.1	17.2
Under 30 percent	36.8	43.2	44.1	43.3	41.0	38.3
30 to 40 percent	11.3	9.7	9.7	10.5	8.8	10.5
Over 40 percent	24.6	23.1	23.1	23.8	21.8	24.5
Not enough information	5.9	6.7	6.1	7.8	7.3	9.4
Household type (percent)						
Single member	23.9	23.9	23.5	23.9	25.9	23.3
Married, no children	21.6	21.1	20.4	20.3	23.4	25.7
Parent(s) and children	13.8	12.7	12.6	12.9	13.0	13.1
Unrelated roommates	5.7	6.6	5.9	8.1	9.0	5.6
Other 4/	34.4	35.3	37.3	34.5	27.8	32.1
Undetermined	0.2	0.3	0.2	0.3	0.7	0.1

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

3/ Revised from previous *Data Book*.

4/ Other household types include a mixture of related and unrelated individuals.

Source: SMS Research & Marketing Services, Inc., *Hawai'i Housing Planning Study, 2019* (December 2019) <https://dbedt.hawaii.gov/hhfdc/files/2020/02/State_HHPS2019_Report-FINAL-Dec.-2019-Rev.-02102020.pdf> accessed April 20, 2020.

Table 21.20-- HOUSING UNITS, BY COUNTY: 2007 TO 2019

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	340,338	84,158	30,178	71,004
2013: July 1 3/	528,391	341,878	84,748	30,292	71,473
2014: July 1 3/	531,961	344,309	85,428	30,434	71,790
2015: July 1 3/	534,723	345,694	86,329	30,609	72,091
2016: July 1 3/	539,757	349,261	87,152	30,794	72,550
2017: July 1 3/	542,815	350,724	88,073	30,943	73,075
2018: July 1 3/	545,974	352,490	88,365	31,232	73,887
2019: July 1 3/	550,273	354,677	89,346	31,577	74,673
Share of state total April 1, 2010					
estimates base	100.0	64.8	15.8	5.7	13.6
July 1, 2019	100.0	64.5	16.2	5.7	13.6
July 1, 2010 to July 1, 2019					
Percent change	5.9	5.3	8.5	6.0	5.9
Average annual	0.6	0.6	0.9	0.6	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 May 2020 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, 2019" (May 2020) <<https://www.census.gov/programs-surveys/popest.html>> accessed May 21, 2020; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.21-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:
2010 AND 2014-2018**

Neighborhood area 1/ (see maps)	2010 2/	2014-2018 3/	Percent change
Oahu total	340,906	348,497	2.23
1 Hawaii Kai	11,462	11,421	-0.36
2 Kuliouou-Kalani Iki	5,765	5,962	3.42
3 Waialae-Kahala	4,261	4,141	-2.82
4 Kaimuki	7,042	6,974	-0.97
5 Diamond Head/Kapahulu/St. Louis Heights	8,285	8,736	5.44
6 Palolo	4,324	4,626	6.98
7 Manoa	7,667	7,701	0.44
8 McCully/Moiliili	14,382	14,272	-0.76
9 Waikiki	19,196	19,323	0.66
10 Makiki/Lower Punchbowl/Tantalus	16,708	17,298	3.53
11 Ala Moana/Kakaako	12,583	13,944	10.82
12 Nuuanu/Punchbowl	6,837	7,033	2.87
13 Downtown	8,208	7,884	-3.95
14 Liliha/Kapalama	7,019	7,093	1.05
15 Kalihi-Palama	11,523	11,619	0.83
16 Kalihi Valley	4,186	4,654	11.18
17 Moanalua	3,468	3,385	-2.39
18 Aliamanu/Salt Lake/Foster Village	13,208	12,846	-2.74
19 Airport Area	6,492	6,661	2.60
20 Aiea	10,461	13,545	29.48
21 Pearl City	15,079	12,219	-18.97
22 Waipahu	18,704	19,750	5.59
23 Ewa	18,868	20,199	7.05
24 Waianae Coast 4/	13,333	7,705	(4/)
25 Mililani/Waipio/Melemanu	12,569	10,981	-12.63
26 Wahiawa	12,305	13,171	7.04
27 North Shore	6,677	6,675	-0.03
28 Koolauloa	4,532	4,632	2.21
29 Kahaluu	4,620	4,473	-3.18
30 Kaneohe	11,474	12,823	11.76
31 Kailua	15,768	14,043	-10.94
32 Waimanalo	2,987	2,524	-15.50
33 Mokapu	2,388	2,737	14.61
34 Makakilo/Kapolei/Honokai Hale	11,254	14,476	28.63
35 Mililani Mauka-Launani Valley	7,271	7,183	-1.21
36 Nanakuli-Maili 4/	(4/)	5,788	(4/)

Continued on next page.

**Table 21.21-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:
2010 AND 2014-2018 -- 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 2014-2018 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 2014 and 2018.

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:
2014-2018**

[Based on the Census Bureau's 2014-2018 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 2014 and 2018.

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	348,497	173,697	137,828	55.8	0.9	5.2
1 Hawaii Kai	11,421	8,516	1,890	81.8	0.9	6.0
2 Kuliouou-Kalani Iki	5,962	4,602	599	88.5	0.0	4.3
3 Waialae-Kahala	4,141	2,617	1,030	71.8	1.6	3.7
4 Kaimuki	6,974	4,112	2,048	66.8	0.2	6.0
5 Diamond Head/Kapahulu/ St. Louis Heights	8,736	4,013	3,399	54.1	3.1	4.3
6 Palolo	4,626	2,369	1,804	56.8	0.8	8.1
7 Manoa	7,701	4,186	2,750	60.4	0.8	8.8
8 McCully/Moiliili	14,272	3,717	8,983	29.3	1.8	5.9
9 Waikiki	19,323	4,034	6,339	38.9	4.2	22.4
10 Makiki/Lower Punchbowl/Tantalus	17,298	7,037	8,900	44.2	2.1	5.0
11 Ala Moana/Kakaako	13,944	3,988	7,108	35.9	1.8	5.0
12 Nuuanu/Punchbowl	7,033	3,658	2,686	57.7	0.8	8.3
13 Downtown	7,884	2,226	4,798	31.7	0.2	6.5
14 Liliha/Kapalama	7,093	3,720	2,751	57.5	0.2	1.3
15 Kalihi-Palama	11,619	3,124	7,873	28.4	0.0	3.7
16 Kalihi Valley	4,654	2,496	1,895	56.8	1.9	3.4
17 Moanalua	3,385	1,566	1,562	50.1	2.4	2.9
18 Aliamanu/Salt Lake/ Foster Village	12,846	6,250	5,888	51.5	0.8	1.1
19 Airport	6,661	38	6,114	0.6	0.0	4.4
20 Aiea	13,545	8,128	4,646	63.6	1.2	2.1
21 Pearl City	12,219	7,754	3,946	66.3	0.6	4.9
22 Waipahu	19,750	12,146	6,704	64.4	0.0	5.3
23 Ewa	20,199	13,239	5,952	69.0	0.7	3.4
24 Waianae Coast 2/	7,705	3,344	3,091	52.0	0.9	3.9
25 Mililani/Waipio/Melemanu	10,981	7,675	2,973	72.1	0.6	4.4
26 Wahiawa	13,171	3,443	8,728	28.3	0.0	2.0
27 North Shore	6,675	2,792	2,795	50.0	3.3	0.5
28 Koolauloa	4,632	1,836	1,659	52.5	0.9	4.8
29 Kahaluu	4,473	3,192	954	77.0	1.5	2.5
30 Kaneohe	12,823	8,922	3,209	73.5	0.4	3.7

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**Table 21.22-- HOUSING CHARACTERISTICS OF OAHU NEIGHBORHOODS:
2014-2018 -- Con.**

Neighborhood area 1/ (see maps)	Total housing units	Occupied		Home- ownership rate (%)	Vacancy rate (%)	
		Owner	Renter		Owner	Rental
31 Kailua	14,043	9,435	3,705	71.8	0.2	4.0
32 Waimanalo	2,524	1,660	692	70.6	0.2	2.1
33 Mokapu	2,737	9	2,539	0.4	0.0	1.7
34 Makakilo/Kapolei/ Honokai Hale	14,476	8,811	4,400	66.7	1.2	5.5
35 Mililani Mauka-Launani Valley	7,183	5,298	1,539	77.5	0.0	1.9
36 Nanakuli-Maili 2/	5,788	3,744	1,879	66.6	0.0	0.0

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 2019

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
2019	7.4	5.7	1.6	1.8	16.0	11.7	15.2	10.9	60.0	59.0
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
2019	6.7	6.5	1.4	1.3	12.0	10.4	9.5	8.7	64.6	63.1

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: 2019*, Tables 3, 4, 5, 5a, 6, 7, 8, 15, 16, and 23 <<http://www.census.gov/housing/hvs/>> accessed April 24, 2020.

Table 21.24-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE FOR THE METROPOLITAN HONOLULU OFFICE MARKET, BY SUBMARKET: 2006 TO 2019

[The size of the Metropolitan Honolulu Office Market survey varies each year]

Vacancy rate 1/	Downtown 2/	Suburban 3/	Multi-class tenants
2006	7.3	7.9	104
2007	10.1	7.2	104
2008	9.6	8.1	100
2009	10.5	10.2	100
2010	15.1	12.3	100
2011	16.1	15.1	100
2012	15.1	14.8	93
2013	13.7	13.5	93
2014	14.5	15.4	94
2015	15.9	13.5	93
2016	16.0	12.0	93
2017	18.7	11.2	93
2018	17.5	9.5	94
2019	11.0	6.0	94

1/ The vacancy rates are for Class A and Class B buildings which were included in the survey. Class A buildings are those in excellent locations which have high-quality tenants, high-quality finish, are well-maintained, are professionally managed, and are usually new, or old buildings that are competitive with new buildings. Class B buildings are those in good locations that are professionally managed and have fairly high-quality construction and tenancy. Class B buildings generally show very little functional obsolescence and deterioration.

2/ Downtown is comprised of the Central Business District Submarket. Buildings surveyed in Downtown are generally 40,000 square feet and above.

3/ Suburban is comprised of eight submarkets: Kapiolani Corridor (Ala Moana, Kakaako, Kapiolani); Waikiki; East Oahu (Hawaii Kai to Kahala); East Central Oahu (Kaimuku to Kalihi); West Central Oahu (Mapunapuna to Pearl City); Leeward (Pearl City to Waipahu); West Oahu (Waipahu to Kapolei); and Windward (Kailua to Kaneohe). Buildings surveyed in the suburban market are generally 20,000 square feet and above.

Source: CBRE Group Inc. "Hawaii Market Outlook 2020"
<<https://www.cbre.us/research-and-reports/Hawaii-Market-Outlook-2020>> and CBRE Research, records.

Table 21.25--OFFICE, INDUSTRIAL AND RETAIL COMMERCIAL REAL ESTATE STATISTICS FOR OAHU: 2014 TO 2019

[As of December 31]

Subject	2014	2015	2016	2017	2018	2019
Office						
Vacancy rate (%) 1/	13.15	12.69	12.70	12.77	12.79	9.93
Annual net absorption (sq. ft.) 2/	-77,711	37,935	42,103	-37,898	-1,863	272,429
Average asking base rent (\$) 3/	1.64	1.67	1.69	1.69	1.76	1.67
Average operating expense (\$) 4/	1.34	1.34	1.36	1.35	1.38	1.41
Industrial						
Vacancy rate (%) 1/	2.12	1.65	1.60	1.97	2.03	2.04
Annual net absorption (sq. ft.) 2/	262,706	173,186	64,582	-157,222	-25,997	-5,368
Average asking base rent (\$) 3/	1.10	1.13	1.21	1.30	1.21	1.21
Average operating expense (\$) 4/	0.42	0.35	0.35	0.37	0.40	0.41
Retail						
Vacancy rate (%) 1/	4.09	5.07	8.40	5.85	5.26	5.37
Annual net absorption (sq. ft.) 2/	12,972	461,436	502,178	453,754	358,054	-41,717
Average asking base rent (\$) 3/	3.64	3.84	3.92	4.00	4.14	4.19
Average operating expense (\$) 4/	1.29	1.29	1.30	1.32	1.38	1.41

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 foot per month. The mean of the base asking rents for available space.

4/ Per square foot per month. Building operating expenses that are passthrough to the tenant.

Source: Colliers International, "Office Market Summary Report" (Q4 2019), "Industrial Market Year-End" (Q4 2019) and "Retail Market Summary" (Q4 2019) <[https://www2.colliers.com/en/Research#sort=%40datez32xpublished55910%20descending&f:location=\[Hawaii\]](https://www2.colliers.com/en/Research#sort=%40datez32xpublished55910%20descending&f:location=[Hawaii])> accessed April 27, 2020 and records.

**Table 21.26-- STATE GOVERNMENT CAPITAL IMPROVEMENT
PROJECT EXPENDITURES: 1990 TO 2019**

[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
2019	1,447,221	675,605	411,558	5,842	96,982	257,234

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 2020* <<http://dbedt.hawaii.gov/economic/qser>> accessed April 27, 2020.

**Table 21.27-- HAWAII PUBLIC HOUSING AUTHORITY OPERATIONS:
2008 TO 2019**

[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	5,700	5,143	13,298	366
2019	5,700	5,195	13,270	372

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): 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Estab-lish-ments	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employ-ees 1/
531	Total	1,650	3,204,834	517,731	9,153
5311	Lessors of real estate	639	1,934,351	170,217	3,310
53111	Residential buildings & dwellings	295	627,610	64,481	1,662
531110	Residential buildings & dwellings	295	627,610	64,481	1,662
53112	Nonresidential buildings 2/	252	1,054,193	84,751	1,169
531120	Nonresidential buildings 2/	252	1,054,193	84,751	1,169
53113	Miniwarehouses & self-storage units	57	76,489	7,281	230
531130	Miniwarehouses & self-storage units	57	76,489	7,281	230
53119	Other real estate property	35	176,059	13,704	249
531190	Other real estate property	35	176,059	13,704	249
5312	Offices of real estate agents and brokers	542	801,112	153,000	2,304
53121	Offices of real estate agents and brokers	542	801,112	153,000	2,304
531210	Offices of real estate agents and brokers	542	801,112	153,000	2,304
5313	Activities related to real estate	469	469,371	194,514	3,539
53131	Real estate property managers	337	399,459	162,368	3,096
531311	Residential property managers	240	273,981	110,805	2,334
531312	Nonresidential property managers	97	125,478	51,563	762
53132	Offices of real estate appraisers	65	17,791	7,494	133
531320	Offices of real estate appraisers	65	17,791	7,494	133
53139	Other activities related to real estate	67	52,121	24,652	310
531390	Other activities related to real estate	67	52,121	24,652	310

D Withheld to avoid disclosing data for individual companies.

1/ Pay period including March 12.

2/ Except miniwarehouses.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1751BASIC <<https://data.census.gov>> accessed May 20, 2020.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR
(NAICS 531), BY COUNTY AND PLACE: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure agreements, the Census Designated Places (CDPs) may not sum to their appropriate totals]

Geographic area	Establish- ments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
State total	1,650	3,204,834	517,731	9,153
Hawaii County	212	172,167	39,299	818
Hawaiian Paradise Park	3	667	127	3
Hilo	67	35,962	6,872	208
Holualoa	12	3,485	1,479	33
Kahaluu-Keauhou	(D)	(D)	(D)	(2/)
Kailua	34	33,019	6,516	143
Kalaoa	(D)	(D)	(D)	(2/)
Waikoloa Village	16	41,358	11,677	134
Waimea	6	8,323	384	9
Balance of Hawaii County	(D)	(D)	7,423	(4/)
Honolulu County	1,083	2,622,969	393,977	6,761
Aiea	12	5,459	1,032	24
East Honolulu	49	23,385	5,178	91
Ewa Beach	5	3,126	283	8
Ewa Gentry	4	970	469	17
Halawa	(D)	(D)	(D)	(3/)
Haleiwa	(D)	(D)	(D)	(2/)
Kahuku	5	7,566	1,213	21
Kailua	47	39,358	8,660	140
Kaneohe	24	20,418	3,945	102
Kapolei	(D)	(D)	18,810	(4/)
Ko Olina	(D)	(D)	(D)	(2/)
Makakilo	7	742	307	5
Mililani Mauka	(D)	(D)	(D)	(3/)

Continued on next page.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR
(NAICS 531), BY COUNTY AND PLACE: 2017 -- Con.**

Geographic area	Establish- ments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
Honolulu County - Con.				
Mililani Town	(D)	(D)	(D)	(3/)
Ocean Pointe	6	11,256	1,398	12
Pearl City	17	7,516	1,132	44
Pupukea	4	1,587	(D)	(2/)
Urban Honolulu	725	1,508,623	275,656	4,649
Wahiawa	14	8,004	1,514	35
Waianae	(D)	(D)	(D)	(3/)
Waikele	(D)	(D)	970	(2/)
Waimalu	25	75,688	5,282	93
Waipahu	23	20,519	3,570	92
Waipio	(D)	(D)	(D)	(3/)
Balance of Honolulu County	28	115,137	17,497	266
Kauai County	114	114,427	33,227	564
Kalaheo	6	4,711	1,011	17
Kapaa	(D)	(D)	(D)	(3/)
Kilauea	(D)	(D)	(D)	(2/)
Koloa	10	7,766	1,438	23
Lihue	27	29,338	13,900	182
Puhi	(D)	(D)	(D)	(2/)
Wailua Homesteads	(D)	(D)	(D)	(2/)
Balance of Kauai County	36	53,797	11,332	247
Maui County	241	295,271	51,228	1,010
Haiku-Pauwela	(D)	(D)	(D)	(2/)
Kaanapali	12	32,939	3,317	46
Kahului	21	26,453	6,386	102
Kaunakakai	6	3,372	747	22

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**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR
(NAICS 531), BY COUNTY AND PLACE: 2017 -- Con.**

Geographic area	Establish- ments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Employees 1/
Maui County - Con.				
Kihei	46	37,910	7,500	205
Kula	4	1,255	329	13
Lahaina	34	104,459	16,415	278
Makawao	(D)	(D)	(D)	(2/)
Napili-Honokowai	(D)	(D)	(D)	(3/)
Paia	(D)	(D)	(D)	(2/)
Waihee-Waiehu	(D)	(D)	(D)	(2/)
Waikapu	(D)	(D)	(D)	(2/)
Wailea	23	33,684	(D)	(3/)
Wailuku	36	22,327	6,119	120
Balance of Maui County	(D)	(D)	2,621	(3/)

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.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1751BASIC <<https://data.census.gov>>
accessed May 20, 2020.

Table 21.30-- REAL ESTATE LICENSES, ACTIVE AND INACTIVE, BY TYPE OF LICENSE AND LOCATION: FEBRUARY 3, 2020

[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	14,728	4,641	Total	14,728	4,641
Broker	5,903	691	Oahu	8,991	2,461
Individual	3,494	608	Hawaii	1,982	473
Sole owner	804	2	Maui	2,357	580
Corporation or partnership	720	39	Kauai	941	309
Limited liability corporation/ limited liability partnership	885	42	Molokai	38	10
			Lanai	11	3
			U.S. mainland	404	775
Salesman	8,825	3,950	Foreign	4	14
			Other	-	16

1/ Based on address of licensee.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, *Geographic Report (Current Licenses) as of February 3, 2020*, FY 2020
<<http://cca.hawaii.gov/pvl/reports/>> accessed May 11, 2020.

Table 21.31-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1988 TO 2019

[For years 1988 to 2012, data include single family, multi-family, condominium/cooperative, vacant, commercial/industrial, and business opportunities. For 2013 and single thereafter, data include only 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
2019	13,705	9,158	66.8	696,869

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: 2016 TO 2019

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Median	Mean
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
2019					
Total	13,705	9,158	66.8	588,400	696,869
Single family	5,398	3,750	69.5	789,000	953,772
Condominium/cooperative	8,307	5,408	65.1	425,000	519,375

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: 2016 TO 2019**

Selling price range	2016	2017	2018	2019
All properties	3,678	3,908	3,609	3,750
On leased land	31	33	29	27
Percent	0.8	0.8	0.8	0.7
Less than \$100,000	-	-	-	2
\$100,000 to \$149,999	2	3	6	1
\$150,000 to \$199,999	7	6	4	3
\$200,000 to \$249,999	15	11	5	4
\$250,000 to \$299,999	25	21	11	14
\$300,000 to \$349,999	43	35	31	21
\$350,000 to \$399,999	67	58	53	34
\$400,000 to \$449,999	83	73	66	58
\$450,000 to \$499,999	132	113	86	67
\$500,000 to \$549,999	204	181	135	140
\$550,000 to \$599,999	334	288	164	173
\$600,000 to \$649,999	300	342	280	297
\$650,000 to \$699,999	369	404	372	422
\$700,000 to \$799,999	604	699	648	690
\$800,000 to \$899,999	437	471	474	489
\$900,000 to \$999,999	244	296	313	384
\$1.0 to \$1.9 million	667	745	800	799
\$2.0 to \$2.9 million	96	104	92	94
\$3.0 to \$3.9 million	25	34	27	27
\$4.0 to \$4.9 million	9	11	14	11
\$5.0 million or more	15	13	28	20
Median value (dollars)	735,000	755,000	790,000	789,000
Mean value (dollars)	891,332	916,506	991,420	953,772

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: 2016 TO 2019

Selling price range	2016	2017	2018	2019		
				Total	Fee simple	Leasehold
All properties	5,449	5,824	5,679	5,408	5,067	341
Less than \$50,000	21	16	15	13	-	13
\$50,000 to \$74,999	52	33	40	33	8	25
\$75,000 to \$99,999	78	71	62	48	12	36
\$100,000 to \$124,999	90	71	66	44	13	31
\$125,000 to \$149,999	98	94	66	55	26	29
\$150,000 to \$174,999	154	114	98	81	44	37
\$175,000 to \$199,999	154	167	146	143	115	28
\$200,000 to \$224,999	172	208	150	170	139	31
\$225,000 to \$249,999	198	214	190	181	156	25
\$250,000 to \$274,999	247	218	195	167	153	14
\$275,000 to \$299,999	281	253	235	205	192	13
\$300,000 to \$349,999	683	665	586	516	488	28
\$350,000 to \$399,999	627	714	727	721	710	11
\$400,000 to \$449,999	551	589	572	535	525	10
\$450,000 to \$499,999	487	540	478	425	421	4
\$500,000 to \$599,999	619	770	858	826	823	3
\$600,000 to \$699,999	376	428	413	447	444	3
\$700,000 to \$799,999	170	180	238	248	248	-
\$800,000 to \$899,999	124	147	145	132	132	-
\$900,000 to \$999,999	67	93	113	121	121	-
\$1,000,000 or more	200	239	286	297	297	-
Median value (dollars)	390,000	405,000	420,000	425,000	445,000	174,000
Mean value (dollars)	447,512	469,381	497,974	519,375	541,127	194,020

Source: Honolulu Board of Realtors, Multiple Listing Service records.

Table 21.35-- MULTIPLE LISTING SERVICE, NUMBER OF SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY: 2002 TO 2019

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
Single family					
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
2019	7,945	3,825	2,425	579	1,116
Condominium					
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	2/ 8,761	2/ 5,795	833	481	1,652
2019	8,337	5,456	861	413	1,607

1/ May differ from Honolulu Board of Realtors data used in other *Data Book* tables.

2/ Revised from previous *Data Book*.

Source: Locations Research, records.

Table 21.36-- MULTIPLE LISTING SERVICE, MEDIAN SALES PRICE OF SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY: 2002 TO 2019

[In dollars]

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
Single family					
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
2019	695,000	790,000	379,000	660,000	741,178
Condominium					
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	2/ 422,000	350,000	461,000	500,000
2019	443,000	425,000	362,000	574,000	515,000

1/ May differ from Honolulu Board of Realtors data used in other *Data Book* tables.

2/ Revised from previous *Data Book*.

Source: Locations Research, records.

Table 21.37-- HOME SALES, BY TYPE OF HOME: 2008 TO 2019

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
2019	20,110	9,187	10,923	672,232	796,752	567,502

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 - 1st Quarter 2020*, Table E-9 <<http://dbedt.hawaii.gov/economic/qser>> accessed May 27, 2020.

Table 21.38-- HOME SALES, BY ORIGIN OF BUYER: 2008 TO 2019

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
2019	15,823	3,747	540	622,960	824,451	1,059,771

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 - 1st Quarter 2020*, Table E-10 <<http://dbedt.hawaii.gov/economic/qser>> accessed May 27, 2020.

**Table 21.39-- HOME SALES, BY ORIGIN OF BUYER, BY COUNTY:
2018 AND 2019**

Subject	All buyers	Local buyers	Mainland buyers	Foreign buyers
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
2019				
Total number of home sales				
Statewide	20,110	15,823	3,747	540
Honolulu County	12,553	10,933	1,204	416
Hawaii County	3,889	2,404	1,419	66
Kauai County	1,148	726	412	10
Maui County	2,520	1,760	712	48
Average home sale price (dollars) 1/				
Statewide	672,232	622,960	824,451	1,059,771
Honolulu County	695,365	667,292	751,161	1,008,848
Hawaii County	514,905	375,371	728,322	1,008,840
Kauai County	716,973	563,867	987,369	692,130
Maui County	779,415	648,012	1,045,693	1,647,725

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 - 1st Quarter 2020*, Table E-9, E-10, and G-29 to G-36 <<http://dbedt.hawaii.gov/economic/qser>> accessed May 27, 2020.

**Table 21.40-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT:
1993 TO 2019**

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	751	163	279	68
2019	1,198	704	136	308	50

NA Not available.

1/ City and County of Honolulu.

2/ Maui County includes Kalawao on Molokai.

3/ Hawaii County.

4/ Kauai County.

Source: Office of the Administrative Director of the Courts, records.

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

[Oahu, Kauai and Hawaii counties are updated as of 2018; Maui county is updated as of 2019]

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: 2019
<u>22.06</u>	General Excise Tax Base for Manufacturing: 1987 to 2019
<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 2019; and by Island: 2019
<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: 2019**

[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	1,025	13,977	650,184	46,520
311	Food	368	6,534	225,316	34,483
3112	Grain and oilseed milling	4	35	811	23,396
3113	Sugar & confectionery product	32	606	21,473	35,424
3114	Fruit & vegetable preserving & specialty	25	270	9,340	34,559
3115	Dairy product	15	501	25,210	50,329
3116	Animal slaughtering & processing	23	494	20,193	40,856
3118	Bakeries & tortilla	153	2,571	77,857	30,280
3119	Other food	112	2,009	68,017	33,853
312	Beverage and tobacco product	40	1,132	57,796	51,064
3121	Beverage	40	1,132	57,796	51,064
314	Textile product mills	25	196	8,658	44,247
3141	Textile furnishings mills	6	130	6,378	48,969
3149	Other textile product mills	19	65	2,279	34,845
315	Apparel	53	396	12,766	32,244
316	Leather and allied product	5	70	1,684	24,034
321	Wood product	21	177	7,323	41,374
3212	Plywood & engineered wood product	6	99	3,684	37,271
322	Paper	4	91	4,664	51,348
323	Printing & related support activities	108	670	25,686	38,333
325	Chemical	39	437	22,572	51,711
3251	Basic chemical	16	224	13,597	60,814
3254	Soap, cleaning compound & toiletry	15	133	4,939	37,230
326	Plastics & rubber products	19	287	15,103	52,717
327	Nonmetallic mineral product	45	852	65,575	77,004
3273	Cement & concrete product	22	701	55,268	78,898
3279	Other nonmetallic mineral products	14	92	7,669	83,586
332	Fabricated metal product	42	298	16,882	56,571
3323	Architectural and structural metals	27	202	11,663	57,810
3327	Machine shops & threaded product	7	30	1,181	39,825
3328	Coating, engraving & heat treating metals	5	20	940	47,579
334	Computer & electronic product	12	199	15,422	77,531
3345	Electronic instrument	7	155	12,720	82,244
336	Transportation equipment	32	968	70,240	72,537
3366	Ship & boat building	25	962	69,844	72,584

Continued on next page.

**Table 22.05-- MANUFACTURING EMPLOYMENT AND WAGES (NAICS 31-33),
BY SELECTED NAICS CODE: 2019 -- Con.**

NAICS code	Industry	Average establish- ments	Annual average employ- ment	Total annual wages (\$1,000)	Annual wages per employee
337	Furniture & related product	53	365	18,062	49,519
3371	Household and institutional furniture	45	293	13,980	47,672
339	Miscellaneous	142	839	32,344	38,555
3391	Medical equipment & supplies	29	164	7,020	42,804
3399	Other miscellaneous	113	675	25,325	37,522

Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages, "Private,
All Industry Aggregations, Hawaii 2019 Annual Averages"

<https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables> accessed July 14, 2020.

**Table 22.06-- GENERAL EXCISE TAX BASE FOR MANUFACTURING:
1987 TO 2019**

[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	2019	587,979

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual). Beginning in 1997, <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/> accessed July 15, 2020.

**Table 22.07-- 25 LARGEST INDUSTRIAL AND HIGH-TECHNOLOGY PARKS,
BY ISLAND: 2010 TO 2013**

[Since the 2013-2014 edition, the *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 2019; AND BY ISLAND: 2019

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	-	-	-
2019	2/ 2	-	-	-
ISLAND: 2019				
Hawaii	-	-	-	-
Maui	1	-	-	-
Oahu	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.

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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's newly released *2017 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.

Table 23.01-- GENERAL EXCISE TAX BASE FOR TRADE AND SERVICE ACTIVITIES: 1990 TO 2019

[In thousands of dollars. Data are on a cash basis accounting]

Year reported 1/	Retailing	Services 2/	Amusement, etc. 3/	Intermediary services	Wholesaling
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
2019	37,459,057	17,341,593	492,430	1,078,954	18,290,198

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) <https://tax.hawaii.gov/stats/a5_3txcolrpt/> accessed July 30, 2020; See also <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/>.

**Table 23.02-- RETAIL TRADE ESTABLISHMENTS, BY PAYROLL STATUS:
1972 TO 2017**

[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
SIC 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
NAICS 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
2017	15,568	4,644	10,924	22,127	21,659	469

1/ Excludes food services (eating and drinking places), included in earlier censuses.

Source: U.S. Census Bureau. For SIC definition years, Census of Retail Trade; for NAICS definition years 1997 through 2007, Economic Census and Nonemployer Statistics, Hawaii; For 2012 and 2017, Economic Census, Summary Statistics for NAICS 44-45, and Economic Annual Survey, Non-employer Statistics for NAICS 44-45 <<https://data.census.gov>> access January 30, 2020.

**Table 23.03-- CHARACTERISTICS OF RETAIL TRADE ESTABLISHMENTS
(NAICS 44-45) WITH PAYROLL, BY BROAD GEOGRAPHIC AREA: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

Subject	State total	Oahu	Other islands 1/
Number of establishments	4,644	2,856	1,788
Sales (\$1,000)	21,658,911	14,266,055	7,392,856
Annual payroll (\$1,000)	2,184,700	1,437,459	747,241
First quarter payroll (\$1,000)	536,834	353,250	183,584
Paid employees 2/	72,908	48,609	24,299

1/ Due to new data disclosure policies introduced by the U.S. Census Bureau in 2017, counties may no longer sum to state. Calculated as the difference between "State total" and "Oahu."

2/ For week including March 12.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1744BASIC <<https://data.census.gov>> accessed July 2, 2020, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.04-- RETAIL TRADE ESTABLISHMENTS (NAICS 44-45), BY COUNTY AND PLACE: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
State total	4,644	21,658,911	2,184,700	72,908
Hawaii County	629	3,086,017	307,819	10,232
Captain Cook	13	38,518	5,169	138
Hilo	213	1,293,544	126,347	4,395
Holualoa	9	87,342	4,476	134
Honaunau-Napoopoo	4	2,543	601	15
Kahaluu-Keauhou	6	66,054	4,890	182
Kailua	123	518,714	59,647	1,924
Kalaoa	27	385,877	27,807	681
Mountain View	4	6,542	568	25
Waikoloa Village	42	95,326	11,384	442
Waimea	20	109,259	10,919	344
Balance of Hawaii County	162	458,706	54,925	1,923
Honolulu County	2,856	14,266,055	1,437,459	48,609
Ahuimanu	(D)	(D)	(D)	(2/)
Aiea	59	283,780	31,439	1,092
East Honolulu	48	358,247	29,757	894
Ewa Beach	12	40,874	4,274	166
Ewa Gentry	8	29,112	2,359	122
Halawa	16	22,009	2,423	86
Haleiwa	46	106,555	12,769	483
Hauula	8	35,730	3,475	123
Kahaluu	4	7,180	846	36
Kahuku	5	3,783	501	24
Kailua	96	406,957	45,970	1,571
Kaneohe	104	562,866	55,068	1,743
Kaneohe Station	9	9,463	1,035	40
Kapolei	74	699,161	65,622	2,402
Ko Olina	6	18,927	2,229	86
Laie	8	23,998	3,077	97
Maili	5	7,307	600	30

Continued on next page.

Table 23.04-- RETAIL TRADE ESTABLISHMENTS (NAICS 44-45), BY COUNTY AND PLACE: 2017 -- Con.

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Honolulu County - Con.				
Makaha	3	5,550	518	25
Makakilo	(D)	(D)	(D)	(2/)
Mililani Mauka	5	28,626	1,659	86
Mililani Town	32	254,844	27,242	1,062
Nanakuli	(D)	(D)	(D)	(2/)
Ocean Pointe	12	136,292	10,027	352
Pearl City	67	720,488	58,340	2,136
Pupukea	6	4,591	774	35
Royal Kunia	10	118,649	12,397	424
Schofield Barracks	5	7,149	788	28
Urban Honolulu	1,763	8,039,555	826,429	26,810
Wahiawa	44	128,822	13,057	522
Waialua	11	11,120	1,597	54
Waianae	28	155,291	15,115	512
Waikele	55	321,709	31,916	1,814
Waimalu	94	226,616	25,500	1,469
Waimanalo	10	18,776	2,176	84
Waipahu	98	504,600	52,164	1,585
Waipio	20	555,804	50,726	979
Balance of Honolulu County	66	345,688	40,677	1,435
Kauai County	356	1,253,149	127,368	4,170
Eleele	6	24,507	2,157	72
Hanamaulu	5	7,461	565	33
Hanapepe	8	18,377	1,983	72
Kalaheo	4	9,170	791	23
Kapaa	57	163,539	16,752	583
Kilauea	16	26,352	3,275	136
Koloa	33	61,620	6,090	282
Lihue	97	755,409	71,218	2,019
Puhi	11	17,201	2,006	55
Wailua	12	9,257	1,651	86
Wailua Homesteads	(D)	(D)	(D)	(3/)
Balance of Kauai County	102	158,608	20,590	789

Continued on next page.

Table 23.04-- RETAIL TRADE ESTABLISHMENTS (NAICS 44-45), BY COUNTY AND PLACE: 2017 -- Con.

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Maui County	(D)	(D)	(D)	(4/)
Haiku-Pauwela	20	20,583	2,218	109
Kaanapali	67	202,110	21,180	731
Kahului	191	1,527,120	148,227	4,485
Kaunakakai	16	52,060	5,431	178
Kihei	73	234,833	22,995	755
Kula	13	20,743	2,163	54
Lahaina	176	312,937	38,258	1,372
Lanai City	8	13,127	1,573	55
Makawao	24	17,748	2,419	86
Napili-Honokowai	9	39,274	3,603	117
Paia	34	49,784	6,978	265
Pukalani	7	78,500	7,565	229
Wailea	57	116,991	13,997	437
Wailuku	59	215,980	23,155	697
Balance of Maui County	45	143,948	11,145	288

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/ 5,000 to 9,999 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1744BASIC <<https://data.census.gov>> accessed July 2, 2020, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.05-- RETAIL TRADE ESTABLISHMENTS (NAICS 44-45), BY KIND OF BUSINESS: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
44-45	Retail trade	4,644	21,658,911	2,184,700	72,908
441	Motor vehicle and parts dealers	333	3,843,037	352,839	7,056
442	Furniture and home furnishings stores	169	370,793	53,267	1,698
443	Electronics and appliance stores	108	368,632	44,128	1,234
444	Building material and garden equipment and supplies dealers	251	1,498,901	154,104	4,771
445	Food and beverage stores	638	3,590,644	390,881	13,947
446	Health and personal care stores	401	1,793,933	154,156	5,071
447	Gasoline stations	249	1,237,520	72,338	2,929
448	Clothing and clothing accessories stores	1,272	2,744,475	326,672	14,591
451	Sporting goods, hobby, book, & music stores	216	256,847	38,453	1,734
452	General merchandise stores	86	4,572,230	409,244	12,901
453	Miscellaneous store retailers	682	1,041,385	151,583	5,986
454	Nonstore retailers	239	340,514	37,035	990

1/ For week including March 12.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1744BASIC <<https://census.hawaii.gov>> accessed February 7, 2020.

**Table 23.06-- PRIVATE INDUSTRY RETAIL EMPLOYMENT AND WAGES,
ANNUAL AVERAGES (NAICS 44-45): 2018**

[Statistics based on the North American Industry Classification System (NAICS)]

NAICS code	Retail trade	Annual establish- ments	Average employ- ment	Total wages (\$1,000)	Wages per employee (\$)
	Total	4,587	71,778	2,380,798	33,169
441	Motor vehicle and parts dealers	336	6,961	382,818	54,996
442	Furniture and home furnishings stores	177	1,508	60,261	39,963
443	Electronics and appliance stores	103	1,219	57,343	47,054
444	Building material and garden supply stores	179	4,272	149,202	34,928
445	Food and beverage stores	720	15,716	473,277	30,115
446	Health and personal care stores	486	5,362	191,712	35,752
447	Gasoline stations	229	2,279	65,760	28,855
448	Clothing and clothing accessories stores	1,146	11,274	312,448	27,714
451	Sports, hobby, music instrument, book stores	239	2,580	63,436	24,588
452	General merchandise stores	124	14,443	433,966	30,046
453	Miscellaneous store retailers	664	5,600	165,881	29,621
454	Nonstore retailers	185	564	24,693	43,750

Source: U.S. Bureau of Labor Statistics, 2018 Employment and Wages Annual Averages
<https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables> accessed June 26, 2020.

**Table 23.07-- CHARACTERISTICS OF SHOPPING CENTERS FOR HAWAII
AND THE UNITED STATES: 2018 AND 2019**

Subject	Hawaii		United States	Hawaii as percent of U.S.
	2018 1/	2019	2019	2019
Number of shopping centers 2/	270	271	115,018	0.2
Gross leasable area (millions of square feet) 2/	27.7	27.8	7,557.9	0.4
Shopping center space per capita (square feet)	19.5	19.6	23.0	(X)
Number of shopping center jobs	90,974	91,854	24,988,185	0.4
Jobs per center	336.9	338.9	217.3	(X)
Jobs per 1,000 square feet	3.3	3.3	3.3	(X)
Share of total employment (percent)	9.8	9.7	12.2	(X)
Shopping center retail sales (billions of dollars)	8.2	8.4	2,297	0.4
Per capita shopping center sales (dollars)	5,756	5,963	6,997	(X)
Retail sales per square foot (dollars)	294.7	303.9	303.9	(X)
Shopping center state sales tax rev. (billions of dollars)	0.3	0.3	131.7	0.3
Shopping center prop. tax revenue (millions of dollars)	121.9	121.8	29,539.7	0.4

X Not applicable.

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 30, 2020, and calculations by Hawaii State Department of Business, Economic Development and Tourism.

Table 23.08-- SHOPPING CENTERS AND GROSS LEASABLE AREA BY CENTER TYPE: 2018 AND 2019

Center type	2018 1/		2019	
	Number	Gross leasable area (sq. ft)	Number	Gross leasable area (sq. ft)
Total	270	27,745,627	271	27,780,479
Convenience center	94	1,430,231	94	1,430,231
Neighborhood center 2/	116	7,750,641	117	7,785,493
Community center 3/	35	6,887,172	35	6,887,172
Power center 4/	7	2,344,851	7	2,344,851
Regional mall 5/	8	4,157,634	8	4,157,634
Super regional mall 6/	2	3,476,166	2	3,476,166
Outlet/value center	3	542,229	3	542,229
Lifestyle center	2	790,308	2	790,308
Theme/festival center 7/	3	366,395	3	366,395
Airport retail	-	-	-	-

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 13, 2020.

Table 23.09-- 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 23.10-- DUTY-FREE STORE REVENUES: 1985 TO 2019

[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	2003	158,854,936
1986	270,891,959	2004	168,305,421
1987	369,788,429	2005	189,517,794
1988	445,072,755	2006	174,632,693
1989	451,185,041	2007	147,125,047
1990	413,932,037	2008	130,749,679
1991	378,587,469	2009	116,402,544
1992	421,953,644	2010	119,377,140
1993	397,322,968	2011	152,849,776
1994	413,417,555	2012	199,596,711
1995	419,548,514	2013	201,060,547
1996	425,824,748	2014	166,411,033
1997	355,636,355	2015	135,602,039
1998	271,692,798	2016	105,331,886
1999	192,429,772	2017	100,801,831
2000	229,392,900	2018	108,083,146
2001	215,257,193	2019	105,462,229
2002	149,962,722		

Source: For 1985 to 1994, DFS Hawaii, records; for 1995 to present, Hawaii State Department of Transportation, Airport Division, records.

Table 23.11-- 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 23.12-- 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

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**Table 23.12-- 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

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**Table 23.12-- 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 bvgs 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 23.13-- WHOLESALE TRADE ESTABLISHMENTS AND SALES
(NAICS 42): 1939 TO 2017**

[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	2017	1,604	16,969,030

Source: For 1932 through 1972, Robert C. Schmitt, *Historical Statistics of Hawaii* (1977), table 20.7; for 1977 through 1992, U.S. Census Bureau, Census of Wholesale Trade; for 1997 through 2017, U.S. Census Bureau, Economic Census, Summary Statistics for NAICS 42 <<https://data.census.gov>> accessed January 30, 2020.

**Table 23.14-- CHARACTERISTICS OF WHOLESALE TRADE 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 23.15-- WHOLESALE TRADE ESTABLISHMENTS (NAICS 42), BY TYPE OF WHOLESALER: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS codes	Type of wholesaler	Number of establishments	Sales (\$1,000)	Annual payroll (\$1000)	Number of employees 1/
42	Wholesale trade	1,604	16,969,030	998,662	18,963
4231	Motor vehicle and motor vehicle parts and supplies	49	382,307	40,065	732
4232	Furniture and home furnishing	49	186,732	26,322	454
4233	Lumber and other construction materials	74	461,522	39,504	640
4234	Professional and commercial equipment and supplies	105	492,530	63,336	919
4235	Metal and mineral (except petroleum)	19	126,310	12,896	179
4236	Household appliances and electrical and electronic goods	86	600,775	57,170	675
4237	Hardware, plumbing and heating equipment and supplies	72	469,455	52,397	774
4238	Machinery, equipment, and supplies	116	444,234	64,799	1,055
4239	Miscellaneous durable goods	(D)	(D)	(D)	(2/)
4241	Paper and paper product	63	493,687	34,995	692
4242	Drugs and druggists' sundries	67	2,081,518	37,555	786
4243	Apparel, piece goods, and notions	96	151,760	25,115	619
4244	Grocery and related product	285	3,579,406	271,839	6,336
4245	Farm product raw material	4	11,504	707	23
4246	Chemical and allied products	(D)	(D)	16,605	(3/)
4247	Petroleum and petroleum products	21	4,328,525	28,731	436
4248	Beer, wine, and distilled alcoholic beverage	32	846,701	81,441	1,440
4249	Miscellaneous nondurable goods	(D)	(D)	61,797	(2/)
4251	Wholesale electronic markets and agents and brokers	(D)	(D)	(D)	(4/)

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 1,000 to 2,499 employees.

3/ 250 to 499 employees.

4/ 500 to 999 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1744BASIC <<https://data.census.gov>> accessed March 9, 2020.

Table 23.16-- WHOLESALE TRADE ESTABLISHMENTS (NAICS 42), BY COUNTY AND SELECTED PLACE: 2017

[For merchant wholesalers, except manufacturers' sales branches and offices. Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/	Operating Expenses
Hawaii	1,423	11,342,585	858,830	16,829	1,725,910
Hawaii County	169	760,672	72,805	1,696	157,614
Captain Cook	4	3,792	579	19	1,302
Hilo	61	386,357	35,109	800	71,558
Kailua	27	88,454	11,698	233	24,761
Kalaoa	19	112,169	10,015	248	25,331
Waikoloa Village	(D)	(D)	(D)	(2/)	(D)
Waimea	(D)	(D)	(D)	(2/)	(D)
Balance of Hawaii County	47	146,438	14,488	371	32,182
Honolulu County	1,036	9,376,439	689,353	13,217	1,346,490
Aiea	15	28,325	2,285	40	4,864
East Honolulu	29	20,389	2,755	61	4,822
Halawa	24	131,798	9,959	214	19,699
Kahaluu	3	4,135	652	12	1,624
Kailua	19	22,537	3,428	57	5,370
Kaneohe	15	17,194	2,652	78	7,059
Kapolei	10	156,183	10,333	237	16,683
Makakilo	5	2,520	359	11	495
Mililani Mauka	8	21,373	4,669	130	5,123
Mililani Town	5	1,581	265	10	567
Pearl City	24	289,958	20,956	372	51,664
Royal Kunia	4	628	199	6	417
Urban Honolulu	674	6,625,021	455,226	8,497	883,056
Wahiawa	6	4,939	1,106	26	2,305
Waimalu	5	5,478	753	20	1,065
Waimanalo	8	23,060	2,407	78	4,925
Waipahu	42	277,605	32,994	624	64,496
Waipio	27	451,945	43,293	802	67,417
Balance of Honolulu County	95	1,264,279	91,346	1,822	197,314

Continued on next page.

Table 23.16-- WHOLESALE TRADE ESTABLISHMENTS (NAICS 42), BY COUNTY AND SELECTED PLACE: 2017 -- Con.

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/	Operating Expenses
Kauai County	72	376,816	32,984	562	84,124
Hanapepe	3	1,954	244	5	686
Kapaa	6	18,935	1,290	49	3,415
Lihue	32	124,354	9,750	232	24,626
Puhi	15	84,409	8,372	144	15,545
Balance of Kauai County	(D)	(D)	12,291	(3/)	(D)
Maui County	146	828,658	63,688	1,354	137,682
Haiku-Pauwela	11	15,222	2,406	47	4,847
Kahului	57	631,102	42,494	836	90,231
Kihei	7	13,019	1,418	35	2,891
Kula	7	4,284	595	21	1,425
Lahaina	6	25,242	3,378	75	7,157
Pukalani	5	3,432	588	18	1,003
Waihee-Waiehu	4	2,135	279	18	808
Wailea	5	1,067	132	4	223
Wailuku	27	108,144	10,257	233	22,889
Balance of Maui County	(D)	(D)	732	(2/)	(D)

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 0 to 19 employees.

3/ 100 to 249 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1742BASIC <<https://data.census.gov>> accessed July 7, 2020.

**Table 23.17-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE:
2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
State total	3,380	3,799,407	1,465,638	22,668
Hawaii County	317	213,046	81,299	1,427
Hawaiian Paradise Park	4	1,402	349	7
Hilo	98	85,676	33,853	602
Holualoa	11	2,503	603	21
Honalo	4	136	48	1
Kahaluu-Keauhou	6	2,122	696	16
Kailua	55	30,654	11,675	202
Kalaoa	27	12,322	4,322	136
Mountain View	(D)	(D)	(D)	(2/)
Waikoloa Village	10	1,044	372	8
Waimea	37	49,301	22,518	287
Balance of Hawaii County	59	26,741	6,236	134
Honolulu County	2,494	3,262,227	1,251,253	18,769
Ahuimanu	9	1,923	901	21
Aiea	19	14,678	3,643	158
East Honolulu	101	43,708	16,577	300
Ewa Beach	(D)	(D)	(D)	(3/)
Ewa Gentry	3	372	100	3
Halawa	19	6,576	2,569	45
Haleiwa	7	2,381	667	21
Heeia	5	1,139	428	10
Hickam Housing	5	2,576	1,134	12
Kahaluu	7	1,027	355	9
Kailua	101	47,818	17,758	313
Kaneohe	51	33,227	11,800	190
Kaneohe Station	14	7,066	3,463	64
Kapolei	13	5,500	1,792	106
Ko Olina	(D)	(D)	(D)	(2/)
Laie	(D)	(D)	(D)	(3/)

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**Table 23.17-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE:
2017 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Honolulu County (con.)				
Makakilo	11	1,799	838	23
Mililani Mauka	14	9,057	2,534	59
Mililani Town	24	5,307	1,810	70
Ocean Pointe	12	5,504	1,914	47
Pearl City	45	75,804	18,567	313
Pupukea	5	1,659	573	5
Royal Kunia	(D)	(D)	(D)	(3/)
Schofield Barracks	17	34,606	15,757	261
Urban Honolulu	1,725	2,557,450	979,558	13,894
Wahiawa	31	48,488	20,406	310
Waialua	4	670	148	7
Waianae	11	3,347	1,244	42
Waimalu	22	11,722	4,581	110
Waimanalo	6	20,382	8,296	157
Waipahu	17	36,126	17,897	549
Waipio	20	17,314	6,620	162
West Loch Estate	4	203	112	2
Balance of Honolulu County	140	230,615	94,747	1,231
Kauai County	152	101,197	48,995	779
Kalaheo	11	6,253	2,431	40
Kapaa	18	2,331	909	30
Kekaha	(D)	(D)	(D)	(4/)
Kilauea	11	1,271	323	12
Lihue	40	17,220	6,017	186
Puhi	4	4,119	1,988	31
Wailua	(D)	(D)	236	(2/)
Wailua Homesteads	10	4,326	1,477	39
Balance of Kauai County	37	15,617	11,810	196

Continued on next page.

**Table 23.17-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE:
2017 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Maui County	417	222,937	84,091	1,693
Haiku-Pauwela	26	4,030	1,378	41
Kaanapali	8	3,384	735	29
Kahului	47	30,136	10,678	259
Kihei	64	54,863	22,574	344
Kula	29	9,926	3,849	97
Lahaina	25	13,367	3,146	85
Lanai City	3	476	265	3
Makawao	13	3,843	833	25
Napili-Honokowai	6	1,421	440	6
Paia	13	2,919	710	15
Pukalani	15	2,502	724	35
Waihee-Waiehu	4	270	43	3
Waikapu	7	2,448	352	8
Wailea	21	4,473	1,423	64
Wailuku	112	75,903	27,171	511
Balance of Maui County	(D)	(D)	(D)	(4/)

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 0 to 19 employees.

3/ 20 to 99 employees.

4/ 100 to 249 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1754BASIC <<https://data.census.gov>> accessed July 7, 2020, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.18-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY COUNTY AND SELECTED PLACE: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
State total	1,894	4,007,418	2,009,665	55,555
Hawaii County	277	502,108	296,234	8,845
Hawaiian Paradise Park	(D)	(D)	(D)	(2/)
Hilo	52	51,429	24,469	1,066
Holualoa	15	13,724	2,587	89
Kahaluu-Keauhou	5	1,931	439	21
Kailua	50	149,848	107,150	3,021
Kalaoa	42	47,022	15,132	409
Mountain View	3	3,023	968	13
Waikoloa Village	20	24,977	5,136	167
Waimea	17	6,230	2,173	56
Balance of Hawaii County	64	199,344	136,664	3,959
Honolulu County	1,168	2,911,536	1,418,533	38,225
Ahuimanu	5	2,298	1,032	27
Aiea	12	9,148	3,829	154
East Honolulu	(D)	353,805	(D)	(3/)
Ewa Beach	11	2,429	776	39
Ewa Gentry	8	4,261	1,787	73
Halawa	22	39,166	11,092	278
Haleiwa	9	4,093	1,977	82
Kahaluu	3	1,237	605	20
Kailua	38	31,736	12,260	263
Kaneohe	(D)	(D)	(D)	(4/)
Kapolei	15	18,262	6,483	305
Ko Olina	5	787	443	14
Makakilo	13	9,514	3,104	116
Mililani Mauka	10	3,043	1,484	29
Mililani Town	25	10,613	3,776	148
Nanakuli	4	826	319	18
Ocean Pointe	3	1,214	116	9
Pearl City	42	64,329	22,343	656
Pupukea	8	2,820	1,018	26
Royal Kunia	4	594	178	13

Continued on next page.

**Table 23.18-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT
AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY
COUNTY AND SELECTED PLACE: 2017 -- Con.**

Geographic area	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Honolulu County (con.)				
Schofield Barracks	(D)	10,052	(D)	(5/)
Urban Honolulu	684	2,020,679	976,108	27,248
Wahiawa	19	19,794	7,212	258
Waianae	(D)	(D)	(D)	(2/)
Waimalu	12	14,496	5,960	151
Waimanalo	(D)	(D)	(D)	(2/)
Waipahu	28	43,498	13,655	505
Waipio	12	16,420	7,336	219
Balance of Honolulu County	48	167,573	54,803	993
Kauai County	144	177,256	87,359	2,278
Kalaheo	3	1,656	782	30
Kapaa	16	39,994	26,797	612
Kekaha	(D)	26341	(D)	(5/)
Kilauea	14	17,811	11,637	376
Koloa	6	3,696	1,280	55
Lihue	24	35,636	13,262	401
Puhi	(D)	(D)	(D)	(2/)
Wailua	(D)	5,840	(D)	(2/)
Wailua Homesteads	15	5,264	1,495	84
Balance of Kauai County	(D)	(D)	(D)	(4/)
Maui County	305	416,518	207,539	6,207
Haiku-Pauwela	15	2,845	841	22
Kaanapali	(D)	18,285	(D)	(6/)
Kahului	44	131,736	88,632	2,229
Kaunakakai	4	1,515	220	17
Kihei	60	34,380	18,107	475
Kula	8	6,895	1,536	49
Lahaina	24	45,112	16,304	528
Lanai City	3	871	434	22
Makawao	15	5,704	2,542	92
Napili-Honokowai	13	4,234	1,319	51
Paia	6	3,417	848	20
Pukalani	9	17,565	8,873	279
Waihee-Waiehu	7	1,718	451	19
Waikapu	4	624	175	6
Wailea	17	8,660	1,338	69
Wailuku	43	98,954	36,594	1,023
Balance of Maui County	(D)	34,003	(D)	(6/)

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**Table 23.18-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT
AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY
COUNTY AND SELECTED PLACE: 2017 -- Con.**

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 20 to 99 employees.

3/ 5,000 to 9,999 employees.

4/ 250 to 499 employees.

5/ 100 to 249 employees.

6/ 500 to 999 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1756BASIC <<https://data.census.gov>>
accessed July 7, 2020.

**Table 23.19-- EDUCATIONAL SERVICES ESTABLISHMENTS (NAICS 61),
BY COUNTY AND SELECTED PLACE: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
State total	368	198,668	61,412	2,923
Hawaii County	24	18,255	5,521	175
Hilo	(D)	(D)	(D)	(2/)
Kahaluu-Keauhou	(D)	(D)	(D)	(3/)
Kailua	6	5,284	(D)	(2/)
Balance of Hawaii County	(D)	(D)	(D)	(2/)
Honolulu County	272	154,288	47,788	2,441
Ahuimanu	3	164	32	2
Aiea	5	777	117	19
East Honolulu	12	1,174	257	23
Kailua	11	2,750	905	92
Kaneohe	6	1,485	502	62
Kapolei	6	1,053	363	26
Mililani Mauka	4	1,411	502	44
Mililani Town	4	462	118	17
Pearl City	6	2,162	1,021	61
Urban Honolulu	168	106,353	33,549	1,737
Wahiawa	6	629	149	21
Waimalu	6	6,737	2,684	61
Waipahu	4	1,650	448	35
Waipio	8	2,215	616	54
Balance of Honolulu County	10	17,459	3,551	133
Kauai County	(D)	(D)	2,988	(4/)
Kapaa	(D)	(D)	(D)	(2/)
Lihue	6	835	312	25
Balance of Kauai County	10	4,267	(D)	(2/)
Maui County	(D)	(D)	(D)	(4/)
Kahului	6	1,437	337	15
Kihei	(D)	(D)	(D)	(2/)
Lahaina	4	3,402	(D)	(2/)
Makawao	4	2,581	908	28
Pukalani	5	1,172	183	12
Wailuku	5	1,054	376	16

Continued on next page.

**Table 23.19-- EDUCATIONAL SERVICES ESTABLISHMENTS (NAICS 61),
BY COUNTY AND SELECTED PLACE: 2017 -- 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/ 100 to 249 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1761BASIC <<https://data.census.gov>>
accessed July 7, 2020.

**Table 23.20-- ARTS, ENTERTAINMENT, AND RECREATION
ESTABLISHMENTS (NAICS 71), BY COUNTY AND SELECTED PLACE:
2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
State total	510	1,025,770	314,275	11,912
Hawaii County	74	96,310	30,934	1,086
Hilo	12	8,355	2,636	132
Holualoa	(D)	(D)	(D)	(2/)
Kahaluu-Keauhou	4	3,748	1,096	52
Kailua	12	14,006	3,659	209
Kalaoa	6	4,830	570	18
Waikoloa Village	6	16,707	5,093	145
Waimea	5	664	241	13
Balance of Hawaii County	25	46,984	17,289	512
Honolulu County	256	640,757	185,511	7,279
Aiea	6	16,121	4,621	227
East Honolulu	23	44,890	14,504	526
Ewa Beach	(D)	(D)	(D)	(3/)
Kailua	15	16,355	5,403	205
Kaneohe	(D)	(D)	(D)	(4/)
Kapolei	11	31,328	7,363	403
Ko Olina	(D)	(D)	(D)	(5/)
Mililani Town	5	14,916	3,918	238
Pearl City	(D)	(D)	(D)	(4/)
Pupukea	(D)	(D)	(D)	(3/)
Urban Honolulu	124	241,029	73,173	2,727
Waimalu	6	8,893	2,915	172
Balance of Honolulu County	(D)	(D)	23,603	(6/)
Kauai County	52	95,826	35,362	1,220
Hanapepe	3	1,015	181	10
Kapaa	5	11,726	4,752	247
Lihue	12	9,248	3,719	187
Balance of Kauai County	(D)	(D)	10,085	(5/)

Continued on next page.

**Table 23.20-- ARTS, ENTERTAINMENT, AND RECREATION
ESTABLISHMENTS (NAICS 71), BY COUNTY AND SELECTED PLACE:
2017 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Maui County	128	192,877	62,468	2,327
Haiku-Pauwela	7	5,661	1,607	50
Kaanapali	4	9,198	3,180	121
Kahului	(D)	(D)	(D)	(5/)
Kihei	14	16,911	4,220	185
Kula	7	3,774	896	20
Lahaina	(D)	(D)	(D)	(6/)
Makawao	7	4,006	1,003	30
Pukalani	5	1,566	469	23
Wailea	10	20,578	5,937	174
Wailuku	13	5,718	1,481	54
Balance of Maui County	(D)	(D)	14,384	(5/)

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ 0 to 19 employees.

3/ 20 to 99 employees

4/ 100 to 249 employees.

5/ 250 to 499 employees.

6/ 500 to 999 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1771BASIC <<https://data.census.gov>>
accessed July 7, 2020.

**Table 23.21-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED PLACE: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
State total	2,912	2,561,236	652,375	20,219
Hawaii County	290	204,369	46,546	1,379
Hilo	89	76,916	14,688	392
Holualoa	(D)	(D)	(D)	(2/)
Kahaluu-Keauhou	(D)	(D)	(D)	(2/)
Kailua	55	41,532	10,890	371
Kalaoa	9	4,865	1,025	23
Waikoloa Village	16	7,536	1,815	51
Waimea	15	12,740	1,945	53
Balance of Hawaii County	68	41,435	11,919	354
Honolulu County	2,064	1,965,510	500,909	15,687
Ahuimanu	4	1,424	391	16
Aiea	27	11,289	3,463	124
East Honolulu	60	40,289	9,080	290
Ewa Beach	14	5,325	1,367	58
Ewa Gentry	10	5,210	935	42
Halawa	12	8,704	3,714	70
Haleiwa	6	1,343	408	15
Heeia	3	4,137	1,149	34
Kahuku	3	2,003	403	14
Kailua	74	42,036	10,612	518
Kaneohe	73	38,129	10,689	325
Kaneohe Station	6	2,759	744	20
Kapolei	29	22,772	6,890	225
Ko Olina	11	7,353	1,823	64
Makaha	(D)	(D)	(D)	(2/)
Makakilo	(D)	(D)	(D)	(2/)
Mililani Mauka	15	9,784	2,013	67
Mililani Town	32	24,865	8,435	486
Nanakuli	5	1,051	342	17
Ocean Pointe	8	3,887	1,226	77
Pearl City	69	46,460	10,175	329

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**Table 23.21-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED PLACE:
2017 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Honolulu County (con.)				
Royal Kunia	7	2,507	388	17
Schofield Barracks	3	1,556	870	22
Urban Honolulu	1,333	1,492,756	375,233	11,192
Wahiawa	31	15,382	4,491	148
Waianae	15	4,779	1,552	73
Waikele	3	940	157	6
Waimalu	35	34,689	8,737	260
Waimanalo	4	1,083	373	16
Waipahu	72	42,004	10,597	459
Waipio	23	19,980	6,527	167
Waipio Acres	5	3,464	570	23
Balance of Honolulu County	42	48,571	13,241	383
Kauai County	149	91,911	25,728	761
Eleele	(D)	(D)	(D)	(3/)
Hanapepe	(D)	(D)	(D)	(2/)
Kalaheo	3	1,279	330	8
Kapaa	19	8,359	1,548	59
Koloa	(D)	(D)	(D)	(2/)
Lihue	47	28,448	7,719	218
Puhi	10	7,687	1,932	47
Wailua	(D)	(D)	(D)	(2/)
Wailua Homesteads	3	344	30	1
Balance of Kauai County	47	33,804	10,756	312

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**Table 23.21-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED PLACE:
2017 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
Maui County	409	299,446	79,192	2,392
Haiku-Pauwela	6	1,764	619	18
Kaanapali	18	24,364	5,782	153
Kahului	56	63,583	20,607	659
Kaunakakai	9	5,887	2,030	68
Kihei	82	37,681	8,756	265
Kula	9	2,491	684	19
Lahaina	43	25,253	4,613	172
Lanai City	3	930	388	10
Makawao	(D)	(D)	(D)	(3/)
Napili-Honokowai	23	8,767	1,667	47
Paia	3	613	114	4
Pukalani	(D)	(D)	(D)	(2/)
Waihee-Waiehu	5	9,649	3,878	145
Wailea	32	38,376	10,102	243
Wailuku	58	36,659	9,577	263
Balance of Maui County	(D)	(D)	(D)	(4/)

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/ 250 to 499 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1781BASIC <<https://data.census.gov>>
accessed July 7, 2020.

Table 23.22-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES ESTABLISHMENTS (NAICS 54), BY FEDERAL TAX STATUS AND TYPE OF SERVICE: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Federal tax status and type of service	Establishments	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Subject to federal income tax				
54	Professional, scientific & technical	3,347	3,701,332	1,423,150	22,058
541	Professional, scientific & technical	3,347	3,701,332	1,423,150	22,058
5411	Legal	608	653,259	234,627	3,209
5412	Accounting, tax preparation, bookkeeping & payroll	655	339,140	149,721	3,306
5413	Architectural, engineering & related	602	1,129,463	425,203	5,345
5414	Specialized design	99	56,310	11,503	242
5415	Computer systems design & related	457	656,189	284,278	3,659
5416	consulting	470	457,887	180,774	3,001
5417	Scientific research & development	53	73,403	33,605	472
5418	Advertising, public relations & related	108	80,782	26,430	940
5419	Other professional, scientific & technical	295	254,899	77,009	1,884
	Exempt from federal income tax				
54	Professional, scientific & technical	33	98,075	42,488	610
541	Professional, scientific & technical	33	98,075	42,488	610
5411	Legal	16	14,426	6,475	145
5417	Scientific research & development	17	83,649	36,013	465

1/ For week including March 12.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1754BASIC <<https://data.census.gov/>> accessed February 3, 2020.

Table 23.23-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY TYPE OF SERVICE: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Type of service	Establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
56	Administrative and support and waste management and remediation	1,894	4,007,418	2,009,665	55,555
561	Administrative and support	1,786	3,510,845	1,905,603	53,648
5611	Office administrative	71	83,485	43,258	852
5612	Facilities support	36	110,800	59,565	1,109
5613	Employment	150	1,407,826	1,103,343	28,420
5614	Business support	101	65,402	27,523	763
5615	Travel arrangement and reservation	397	687,198	149,921	3,865
5616	Investigation and security	138	317,612	193,536	6,588
5617	Services to buildings and dwellings	825	784,092	311,463	11,439
5619	Other support	68	54,430	16,994	612
562	Waste management and remediation	108	496,573	104,062	1,907
5621	Waste collection	39	234,579	49,427	841
5622	Waste treatment and disposal	11	62,782	10,481	180
5629	Remediation and other waste mgmt.	58	199,212	44,154	886

1/ For week including March 12.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1756BASIC <<https://data.census.gov>> accessed February 3, 2020.

**Table 23.24-- EDUCATIONAL SERVICES ESTABLISHMENTS (NAICS 61),
BY FEDERAL TAX STATUS AND KIND OF BUSINESS: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Federal tax status and kind of business	Establishments	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Subject to federal income tax				
61	Educational services	298	154,639	47,994	2,352
611	Educational services	298	154,639	47,994	2,352
6114	Business schools and computer and management training	25	14,970	5,752	108
6115	Technical and trade schools	29	16,686	5,442	183
6116	Other schools and instruction	228	110,174	32,806	1,969
6117	Educational support services	16	12,809	3,994	92
	Exempt from federal income tax				
61	Educational services	70	44,029	13,418	571
611	Educational services	70	44,029	13,418	571
6114	Business schools and computer and management training	6	1,612	798	31
6115	Technical and trade schools	9	16,461	3,835	57
6116	Other schools and instruction	44	19,733	6,746	430
6117	Educational support services	11	6,223	2,039	53

1/ For week including March 12.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1761BASIC <<https://data.census.gov>> accessed February 3, 2020.

**Table 23.25-- ARTS, ENTERTAINMENT, AND RECREATION ESTABLISHMENTS
(NAICS 71), BY FEDERAL TAX STATUS AND KIND OF BUSINESS: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Federal tax status and kind of business	Establishments	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
	Subject to federal income tax				
71	Arts, entertainment, & recreation	425	752,968	219,702	8,781
711	Performing arts, spectator sports, & related industries	144	194,787	51,945	1,913
7111	Performing arts companies	(D)	(D)	(D)	(2/)
7112	Spectator sports	(D)	(D)	(D)	(3/)
7113	Promoters of performing arts, sports, & similar events	21	40,247	5,300	146
7114	Agents and managers for artists, athletes, entertainers, and other public figures	(D)	(D)	2,066	(3/)
7115	Independent artists, writers, & performers	70	30,666	7,466	136
712	Museums, historical sites, & similar institutions	8	52,352	14,860	517
713	Amusement, gambling, & recreation industries	273	505,829	152,897	6,351
7131	Amusement parks & arcades	20	51,616	11,885	531
7139	Other amusement & recreation industries	253	454,213	141,012	5,820
	Exempt from federal income tax				
71	Arts, entertainment, & recreation	85	272,802	94,573	3,131
711	Performing arts, spectator sports, & related industries	18	29,348	11,043	543
7111	Performing arts companies	(D)	(D)	(D)	(4/)
712	Museums, historical sites, & similar institutions	42	165,259	55,262	1,665
713	Amusement, gambling, & recreation industries	25	78,195	28,268	923
7139	Other amusement & recreation industries	25	78,195	28,268	923

D Withheld to avoid disclosing data of individual companies.

1/ For week including March 12.

2/ 1,000 to 2,499 employees.

3/ 0 to 19 employees.

4/ 250 to 499 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1771BASIC <<https://data.census.gov>> accessed February 6, 2020.

**Table 23.26-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)
ESTABLISHMENTS (NAICS 81), BY TYPE OF OPERATION OR KIND OF
BUSINESS: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Type of operation or kind of business	Establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	Number of employ- ees 1/
	Subject to federal income tax				
81	Other services (except public admin.)	1,645	1,178,416	353,023	11,895
811	Repair & maintenance	669	515,348	146,752	3,644
8111	Automotive repair & maintenance	497	412,047	117,297	2,945
8112	Electronic & precision equip. repair & maintenance	32	14,684	6,143	115
8113	Commercial & indust. machinery & equip. (exc. auto. & elec.) repair & maintenance	65	44,616	14,056	291
8114	Personal & household goods repair & maintenance	75	44,001	9,256	293
812	Personal & laundry services	976	663,068	206,271	8,251
8121	Personal care services	547	181,268	63,963	2,838
8122	Death care services	32	56,222	17,603	521
8123	Drycleaning & laundry services	75	183,396	61,384	1,929
8129	Other personal services	322	242,182	63,321	2,963
	Exempt from federal income tax				
81	Other services (except public admin.)	1,267	1,382,820	299,352	8,324
813	Religious, grantmaking, civic, prof., & similar orgs.	1,267	1,382,820	299,352	8,324
8132	Grantmaking & giving services	81	301,112	36,600	733
8133	Social advocacy organizations	116	129,197	41,515	892
8134	Civic & social organizations	81	76,824	30,951	1,576
8139	Business, professional, labor, political, & similar orgs.	989	875,687	190,286	5,123

1/ For week including March 12.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1781BASIC <<https://data.census.gov/>>
accessed July 9, 2020.

**Table 23.27-- TRAVEL ARRANGEMENT AND RESERVATION SERVICES
ESTABLISHMENTS (NAICS 5615), BY KIND OF BUSINESS: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
5615	Travel arrangement & reservation services	397	687,198	149,921	3,865
56151	Travel agencies	169	226,719	58,947	1,389
56152	Tour operators	158	327,913	52,571	1,695
56159	Other travel arrangement & reservation services	70	132,566	38,403	781
561591	Convention & visitors bureaus	(D)	(D)	6,460	(2/)
561599	services	(D)	(D)	31,943	(3/)

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

1/ For week including March 12.

2/ 100 to 249 employees.

3/ 500 to 999 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1756BASIC <<https://data.census.gov>> accessed February 6, 2020.

**Table 23.28-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS
(NAICS 72), BY COUNTY AND SELECTED PLACE: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS). Due to disclosure changes for the 2017 Economic Census, components may not sum to higher levels of geography and areas with 3 or fewer establishments are not shown]

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1000)	Number of employees 1/
State total	3,865	12,101,847	3,296,789	112,743
Hawaii County	477	1,363,802	396,752	13,731
Captain Cook	(D)	(D)	(D)	(2/)
Hilo	153	191,027	49,936	2,711
Holualoa	10	28,083	5,373	182
Honalo	3	1,566	283	20
Kahaluu-Keauhou	17	76,146	23,564	725
Kailua	101	382,244	109,925	3,594
Kalaoa	(D)	(D)	(D)	(2/)
Waikoloa Village	25	77,642	28,126	895
Waimea	30	24,955	5,903	296
Balance of Hawaii County	118	567,078	170,078	5,135
Honolulu County	2,569	6,805,400	1,767,785	67,611
Ahuimanu	7	5,892	1,241	90
Aiea	65	68,112	19,512	932
East Honolulu	66	74,125	21,737	1,189
Ewa Beach	14	22,882	4,270	252
Ewa Gentry	5	4,430	1,265	77
Halawa	14	14,873	3,545	188
Haleiwa	32	44,150	11,102	730
Hauula	3	2,247	509	61
Kahuku	4	4,757	(D)	(2/)
Kailua	106	112,208	31,884	1,784
Kaneohe	87	97,089	25,197	1,483
Kapolei	78	146,650	39,262	2,177
Ko Olina	19	180,772	92,802	1,979
Laie	8	9,311	2,292	150
Maili	(D)	(D)	(D)	(2/)
Makakilo	4	891	318	19
Mililani Mauka	10	13,365	3,283	173
Mililani Town	45	66,028	16,532	1,002
Ocean Pointe	18	31,344	8,523	561
Pearl City	79	101,363	27,717	1,608
Pupukea	9	7,797	1,734	100
Royal Kunia	21	18,217	4,389	302

Continued on next page.

**Table 23.28-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS
(NAICS 72), BY COUNTY AND SELECTED PLACE: 2017 -- Con.**

Geographic area	Number of establishments	Receipts/ revenue (\$1,000)	Annual payroll (\$1000)	Number of employees 1/
Honolulu County (con.)				
Schofield Barracks	4	15,342	4,256	259
Urban Honolulu	1,575	5,301,498	1,318,073	45,827
Wahiawa	46	49,940	14,056	841
Waialua	3	1,962	438	30
Waianae	26	31,823	6,789	485
Waialeale	14	29,051	7,191	365
Waimalu	55	66,133	18,629	1,067
Waimanalo	8	6,763	1,502	96
Waipahu	63	82,123	21,788	1,183
Waipio	25	42,411	11,698	575
Balance of Honolulu County	40	139,298	41,205	1,725
Kauai County	273	1,002,918	319,795	9,430
Eleale	7	8,529	2,231	135
Hanapepe	4	1,815	443	14
Kalaheo	9	7,582	2,409	119
Kapaa	45	67,109	17,998	848
Kilauea	9	8,804	2,084	129
Koloa	(D)	(D)	(D)	(3/)
Lihue	56	136,640	44,839	1,630
Puhi	3	3,774	1,179	51
Wailua	18	51,739	12,434	507
Wailua Homesteads	(D)	(D)	(D)	(4/)
Balance of Kauai County	96	679,281	222,156	5,516
Maui County	546	2,929,727	812,457	21,971
Haiku-Pauwela	7	5,923	2,171	96
Kaanapali	48	767,473	192,051	4,028
Kahului	(D)	(D)	(D)	(5/)
Kaunakakai	9	6,763	1,814	100
Kihei	97	157,873	42,745	1,709
Kula	(D)	(D)	(D)	(2/)
Lahaina	102	472,709	131,664	4,001
Lanai City	(D)	(D)	(D)	(6/)
Makawao	(D)	(D)	(D)	(7/)
Napili-Honokowai	17	46,325	9,201	333
Paia	19	55,598	24,140	717
Pukalani	10	11,092	2,574	183
Wailea	39	848,496	226,359	5,354
Wailuku	55	41,307	11,375	577
Balance of Maui County	(D)	(D)	78,625	(5/)

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**Table 23.28-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS
(NAICS 72), BY COUNTY AND SELECTED PLACE: 2017 -- 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/ 250 to 499 employees.

4/ 0 to 19 employees.

5/ 1,000 to 2,499 employees.

6/ 500 to 999 employees.

7/ 100 to 249 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1772BASIC <<https://data.census.gov>>
accessed July 7, 2020.

**Table 23.29-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS
(NAICS 72), BY KIND OF BUSINESS: 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS codes	Kind of business	Establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Number of employees 1/
72	Accommodation and food services	3,865	12,101,847	3,296,789	112,743
721	Accommodation	343	7,167,757	1,866,606	41,554
7211	Traveler accommodation	335	7,165,887	1,866,215	41,540
72111	Hotels (except casino hotels) & motels	289	7,149,663	1,862,698	41,354
72119	Other traveler accommodation	46	16,224	3,517	186
721191	Bed-&-breakfast inns	23	6,403	1,316	70
721199	All other traveler accommodation	23	9,821	2,201	116
7212	RV (recreational vehicle) parks & recreational camps	(D)	(D)	(D)	(2/)
722	Food services & drinking places	3,522	4,934,090	1,430,183	71,189
7223	Special food services	194	374,728	96,745	4,022
72231	Food service contractors	83	305,091	78,479	2,999
72232	Caterers	50	47,725	14,386	779
72233	Mobile food services	61	21,912	3,880	244
7224	Drinking places (alcoholic beverages)	206	130,395	31,627	1,731
7225	Restaurants & other eating places	3,122	4,428,967	1,301,811	65,436
72251	Restaurants & other eating places	3,122	4,428,967	1,301,811	65,436
722511	Full-service restaurants	1,285	2,547,497	848,862	39,084
722513	Limited-service restaurants	1,365	1,522,000	370,005	21,209
722514	Cafeterias, grill buffets, & buffets	6	8,215	2,120	130
722515	Snack & nonalcoholic beverage bars	466	351,255	80,824	5,013

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.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1772BASIC <<https://data.census.gov>> accessed February 6, 2020.

Table 23.30-- 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 bvg prepared for immediate consumption	3,063	3,023,612	85.6	79.6
21210	Meals, snacks & nonalcoholic bvg prepared under long-term contract	79	201,985	81.0	5.3
21220	Meals, snacks & nonalcoholic bvg 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 23.31-- VISITOR ACCOMMODATIONS, BY COUNTY: 1985 TO 2019

[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	1/ 75,198	34,027	11,541	9,469	1/ 20,161
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	80,709	38,879	11,286	8,821	21,723
2018	80,751	39,089	10,811	9,022	21,829
2019	80,554	39,240	10,505	9,036	21,773

NA Not available.

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, *2019 Visitor Plant Inventory*, "Table 1: Available Units by County, 1965 to 2019" <<https://www.hawaiitourismauthority.org/research/visitor-plant-inventory/>> accessed February 26, 2020.

Table 23.32-- VISITOR ACCOMMODATIONS, BY TYPE: 1990 TO 2019

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	1,057	837	220	3/ 70,579	54,209	16,533
2004	1,209	970	239	3/ 72,176	58,716	13,898
2005	1,266	1,035	231	3/ 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	1,615	1,434	181	3/ 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	1,636	1,518	118	80,709	69,834	10,875
2018	1,462	1,349	113	80,751	70,136	10,615
2019	1,504	1,390	114	80,554	70,154	10,400

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.

Source: Hawaii Tourism Authority, *Visitor Plant Inventory* (annual), Tables 2 and 3

<<https://www.hawaiitourismauthority.org/research/visitor-plant-inventory/>> accessed February 26, 2020.

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 23.33-- VISITOR ACCOMMODATIONS, BY TYPE AND BY ISLAND: 2019

Island	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
State total	1,504	1,390	114	80,554	70,154	10,400
Oahu	274	248	26	39,240	35,284	3,956
Waikiki/Honolulu	163	141	22	30,935	28,410	2,525
Rest of Oahu	111	107	4	8,305	6,874	1,431
Other islands	1,230	1,142	88	41,314	34,870	6,444
Hawaii	464	450	14	10,505	10,013	492
Maui	362	306	56	21,294	16,960	4,334
Lanai	4	4	-	229	229	-
Molokai	33	31	2	250	180	70
Kauai	367	351	16	9,036	7,488	1,548

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, *2019 Visitor Plant Inventory*, Tables 2 through 5

<<https://www.hawaii-tourismauthority.org/research/visitor-plant-inventory/>> accessed February 26, 2020, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.34-- VISITOR ACCOMMODATIONS, BY TYPE AND GEOGRAPHIC AREA: 2019

Type of accommodation	Properties			Units		
	State total	Oahu	Other islands	State total	Oahu	Other islands
All types	1,504	274	1,230	80,554	39,240	41,314
Apartment/hotel	4	3	1	107	68	39
Bed and breakfast	117	19	98	445	43	402
Condominium hotel	114	26	88	10,400	3,956	6,444
Hostels	15	10	5	370	285	85
Hotel	148	71	77	43,217	27,060	16,157
Vacation rental unit	1,000	121	879	13,555	3,821	9,734
Timeshare	87	20	67	12,090	3,782	8,308
Other	19	4	15	370	225	145

Source: Hawaii Tourism Authority, *2019 Visitor Plant Inventory*, Tables 2 and 3
 <<https://www.hawaii tourism authority.org/research/visitor-plant-inventory/>> accessed February 26, 2020
 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.35-- HOTELS AND OTHER LODGING PLACES (NAICS 721),
BY COUNTY: 2000 TO 2017**

[Statistics based on the North American Industry Classification System (NAICS)]

Year	State	Hawaii	Honolulu	Kauai	Maui
2000	273	47	122	32	72
2001	265	50	120	34	61
2002	269	48	122	38	61
2003	296	52	121	44	79
2004	313	59	125	46	83
2005	326	59	134	50	83
2006	334	64	129	55	86
2007	314	65	117	46	86
2008	312	63	113	47	89
2009	304	62	112	41	89
2010	294	61	98	43	92
2011	295	61	100	46	88
2012	307	60	108	49	90
2013	326	69	107	54	96
2014	306	65	104	47	90
2015	312	65	114	46	87
2016	341	65	120	54	102
2017	341	66	118	55	102

Source: U.S. Census Bureau, *County Business Patterns, Hawaii* (annual) <<https://data.census.gov/>>
accessed December 26, 2019.

Table 23.36-- VISITOR ACCOMMODATIONS, BY ISLAND, TYPE OF ACCOMMODATION AND PRICE: 2019

[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	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Available units	80,554	2,578	3.2	21,347	26.5	24,730	30.7	31,980	39.7
Island									
Oahu	39,240	942	2.4	11,615	29.6	13,145	33.5	13,538	34.5
Hawaii	10,505	1,114	10.6	2,458	23.4	3,708	35.3	3,225	30.7
Kauai	9,036	217	2.4	2,937	32.5	2,114	23.4	3,777	41.8
Maui	21,294	170	0.8	3,854	18.1	5,366	25.2	11,903	55.9
Molokai	250	6	2.2	234	93.5	10	3.8	1	0.5
Lanai	229	-	0.0	6	2.6	9	3.9	214	93.4
Type of unit									
Apartment/hotel	107	35	32.7	72	67.3	-	0.0	-	0.0
Bed and breakfast	445	69	15.4	324	72.7	50	11.2	3	0.7
Condominium hotel	10,400	250	2.4	4,399	42.3	4,857	46.7	894	8.6
Hostel	370	319	86.2	47	12.6	4	1.2	-	0.0
Hotel	43,217	951	2.2	9,897	22.9	14,175	32.8	18,194	42.1
Individual vacation unit	13,555	1,152	8.5	6,818	50.3	4,012	29.6	1,559	11.5
Timeshare	12,090	109	0.9	2,249	18.6	1,197	9.9	8,536	70.6
Other	370	142	38.4	159	42.9	61	16.4	9	2.3

Source: Hawaii Tourism Authority, *2019 Visitor Plant Inventory* <<https://www.hawaiitourismauthority.org/research/visitor-plant-inventory/>> accessed February 26, 2020 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 23.37-- HOTEL UNITS, OCCUPANCY RATES, AND DAILY ROOM AND GUEST RATES: 1990 TO 2019

[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	4/ 75,198	34,027	4/ 41,171	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	80,709	38,879	41,830	80.2	264.49	(NA)
2018	80,751	39,089	41,662	4/ 80.3	4/ 275.75	(NA)
2019	80,554	39,240	41,314	81.2	282.56	(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 23.38-- HOTEL ROOM OCCUPANCY AND AVERAGE DAILY ROOM RATES,
BY GEOGRAPHIC AREA: 2019**

Geographic area	Percent occupied	Average daily room rate (dollars)	Revenue per available room (dollars)
State total	81.2	282.56	229.32
Oahu	84.2	240.76	202.62
Waikiki	84.5	236.04	199.51
Other Oahu	82.0	269.83	221.22
Maui	77.7	399.43	310.19
Wailea	88.4	618.32	546.83
Lahaina-Kaanapali-Kapalua	76.5	334.03	255.38
Other Maui	79.2	479.58	379.74
Hawaii	77.1	266.58	205.40
Kohala Coast	77.7	377.96	293.66
Kauai	76.3	282.73	215.80

Source: Hawaii Tourism Authority, *December 2019 Hawaii Hotel Performance Report* (January 2020)
<<https://www.hawaii tourism authority.org/research/infrastructure-research/>> accessed February 25, 2020.

Table 23.39-- GENERAL EXCISE TAX BASE FOR RENTALS: 1990 TO 2019

[In thousands of dollars. Data are on a cash basis accounting]

Year reported 1/	Total	Hotel rentals	All other rentals 2/
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
2019	14,733,737	5,947,395	8,786,342

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_3txcolrpt/> accessed July 30, 2020; See also <http://tax.hawaii.gov/stats/a5_3txcolrptarchive/>; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 23.40-- COMPUTER AND SOFTWARE STORES AND SERVICES: 2017

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Type of operation and kind of business	Establishments	Receipts/ revenue or sales (\$1,000)	Annual payroll (\$1,000)	Paid employees 1/
	Merchant wholesalers				
42343	Computer and computer peripheral equipment and software	(D)	(D)	(D)	(2/)
	Services				
518	Data processing, hosting, and related services	61	161,995	46,559	672
5112	Software publishers	34	114,386	47,353	352
5415	Computer systems design and related	457	656,189	284,278	3,659
61142	Computer training	(D)	(D)	(D)	(2/)
811212	Computer and office machine repair and maintenance	21	6,505	2,203	59

D Withheld to avoid disclosing data for individual companies.

1/ For the pay period including March 12.

2/ 20 to 99 employees.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1700BASIC <<https://data.census.gov>> accessed February 6, 2020.

Table 23.41-- MOTION PICTURE AND VIDEO SERVICES: 1987 TO 2017

[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	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees 1/
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	(2/)	3/ 5,297	4/ 160
2012	59	(2/)	3/ 6,273	5/ 159
2017 6/	58	7/ 1,223	7,796	171
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
2017	23	95,255	10,866	926
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
2017	(NA)	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.

NA Not available.

1/ For pay period including March 12.

2/ Data not collected at this level of detail for multiestablishment firms for NAICS 51211 and 51212, and data withheld for NAICS 51219.

3/ For NAICS 51211 only. Data withheld for other industry codes.

4/ For NAICS 51211 only. 20 to 99 employees for NAICS 51212 and 0 to 10 employees for NAICS 51219.

5/ For NAICS 51211 only. 0 to 10 employees for NAICS 51212 and 51219.

6/ Data not available for NAICS 51212.

7/ For NAICS 51219 only. Not collected at this level of detail for multiestablishment firms for NAICS 51211.

Source: U.S. Census Bureau, for 1987 and 1992, Census of Service Industries, Hawaii; for 1997 through 2017, Economic Census, Summary Statistics for NAICS 512 <<https://data.census.gov>> accessed January 30, 2020.

Table 23.42-- FILM AND TELEVISION PRODUCTION: 2014 TO 2019

[In millions of dollars, except for employment which is in number of jobs]

Category	2014	2015	2016	2017	2018	2019
Total production expenditures	221.5	243.5	244.6	364.1	419.4	405.0
Expenditures qualified for tax credit	162.3	199.6	199.0	312.8	368.2	355.6
Expenditures not qualified for tax credit	59.2	43.9	45.6	51.3	51.2	49.4
Economic impact						
Output	384.0	422.2	423.2	629.9	725.6	700.7
Earnings	88.8	97.6	97.8	145.6	167.8	162.0
State taxes	24.3	26.7	26.4	39.3	45.3	43.7
Employment	2,506	2,668	2,593	3,750	4,194	3,888

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**

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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. Department of Agriculture, the U.S. Census Bureau, the U.S. 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 2019

[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)
2019	4,437	4,058	3,487	447	(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 2019, and 2004 to 2019 <http://www.census.gov/foreign-trade/Press-Release/ft920_index.html> accessed July 20, 2020; *U.S. Merchandise Trade, FT900 Supplement*, December issue 1997 to 2019 <http://www.census.gov/foreign-trade/Press-Release/current_press_release/press.html> accessed July 10, 2020; 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: 2014 TO 2019

[In millions of dollars]

Classification	2014	2015	2016	2017	2018	2019
General imports by district of entry						
Customs value 1/	4,970.6	4,052.1	3,139.2	3,848.3	4,446.5	4,437.0
C.I.F. value 2/	5,217.5	4,322.1	3,367.1	4,100.2	4,655.3	4,672.1
Gen. imports by district of unloading						
Customs value 1/	8,115.4	7,098.6	6,049.0	7,229.7	7,671.3	6,902.1
C.I.F. value 2/	8,173.2	7,488.5	6,370.9	7,598.5	7,997.7	7,222.0
Gen. imports by state of destination						
Commodities	5,328.0	3,759.7	2,943.8	3,814.8	4,526.0	3,784.3
Manufactured commodities	2,040.0	1,681.7	1,353.5	1,539.4	1,921.1	1,999.3
Non-manufactured commodities	3,287.9	2,078.0	1,590.3	2,275.4	2,604.9	1,785.0
Imports for consumption by district of entry (customs value 1/)	4,011.5	3,569.7	2,750.1	3,270.7	4,162.3	4,057.9
Duty free value	1,644.2	1,882.6	1,110.0	1,086.6	1,296.3	1,261.6
Dutiable value	2,367.3	1,687.1	1,640.1	2,184.2	2,866.0	2,796.3
Exports of domestic & foreign merchandise by dist. of export (F.A.S. value 3/)	12,559.7	13,913.5	10,275.6	11,802.5	11,958.0	3,487.1
Exports of merchandise by origin of movement 4/	1,452.1	1,895.7	1,239.0	938.0	646.9	446.7
Commodities	1,342.0	1,844.5	1,172.1	875.6	605.2	397.7
Manufactured commodities	1,169.0	1,709.8	1,035.3	750.5	452.2	273.5
Non-manufactured commodities	173.0	134.7	136.8	125.2	153.0	124.2
Re-exports	110.1	51.2	66.9	62.4	41.7	49.0

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 July 20, 2020 and *U.S. Merchandise Trade, FT900 Supplement*, December issue (annual) <http://www.census.gov/foreign-trade/Press-Release/current_press_release/press.html> accessed July 20, 2020; 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 2019

[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
2019	6,902.1	3,501.0	3,332.8	6,144.4	42.8
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
2019	3,487.1	289.4	2,065.5	599.8	22.0

1/ Includes categories not tabulated by method of transportation, not shown separately.

2/ By district of unloading. Value is on customs value basis.

3/ 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 July 20, 2020.

**Table 24.04-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS:
2016 TO 2018**

[In millions of dollars unless otherwise noted]

Subject	2016	2017	2018
State summary			
Merchandise received	1,000-5,000	1,000-5,000	1,000-5,000
Exports	250-500	250-500	500-750
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000
Employees (persons)	2,501-3,000	2,501-3,000	2,001-2,500
Top foreign-status product, by value (percent)	100	100	100
Oil/petroleum	98	99	99
Petrochemicals	2	1	1
Vehicles	<1	<1	<1
Plastic/rubber	<1	<1	<1
Consumer products [Food products in 2017]	<1	<1	<1
Other	<1	<1	<1
Warehouse/distribution activity			
Number of companies	378	460	320
Merchandise received	500-750	750-1,000	1,000-5,000
Exports	250-500	250-500	250-500
Total shipments	500-750	750-1,000	1,000-5,000
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	100-250	100-250	75-100
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000
Subzone 9E IES Downstream, L.L.C.			
Merchandise received	750-1,000	1,000-5,000	1,000-5,000
Exports	-	-	-
Total shipments	750-1,000	1,000-5,000	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, *Annual Report of the Foreign-Trade Zones Board to the Congress of the United States*, Appendix D (annual)

<<http://enforcement.trade.gov/ftzpage/annual-report.html>> accessed January 23, 2020.

**Table 24.05-- COMMODITY EXPORTS TOTAL AND TO TOP 25
FOREIGN COUNTRIES: 2016 TO 2019**

[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 2019 dollar value]

Rank	Country	2016	2017	2018	2019
	Total	795	952	659	454
	Top 25 foreign countries	772	929	641	438
1	Japan	71	78	72	94
2	Korea, South	50	119	233	76
3	Singapore	56	136	66	49
4	Vietnam	7	17	20	33
5	China	83	125	35	21
6	Australia	313	340	13	20
7	India	15	11	12	20
8	Canada	66	24	18	16
9	Malaysia	11	1	61	16
10	Taiwan	10	13	22	15
11	Hong Kong	18	14	16	13
12	Thailand	2	3	5	12
13	United Kingdom	4	6	9	10
14	New Zealand	32	7	10	8
15	Bangladesh	4	13	11	6
16	Philippines	5	6	5	6
17	Indonesia	5	4	3	4
18	Germany	4	2	2	3
19	Marshall Islands	5	2	2	3
20	Switzerland	1	-	1	2
21	United Arab Emirates	1	1	-	2
22	Netherlands	2	1	19	2
23	France	6	3	3	2
24	Finland	-	-	-	2
25	Italy	1	1	2	1

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 2019 Dollar Value"
<<https://www.census.gov/foreign-trade/statistics/state/data/hi.html>> accessed May 22, 2020.

**Table 24.06-- COMMODITY IMPORTS TOTAL AND FROM TOP 25
FOREIGN COUNTRIES: 2016 TO 2019**

[In millions of dollars. U.S. Imports by State of Final Destination (State Import Series).
Top 25 countries based on 2019 dollar value]

Rank	Country	2016	2017	2018	2019
	Total	2,927	3,809	4,523	3,783
	Top 25 foreign countries	2,688	3,173	4,076	3,640
1	Libya	144	284	452	859
2	Russia	282	275	388	580
3	Japan	377	480	454	579
4	Korea, South	159	69	158	545
5	China	242	389	386	197
6	France	22	184	174	183
7	Canada	229	133	124	102
8	Taiwan	51	53	82	68
9	Argentina	44	-	4	63
10	Italy	49	41	52	51
11	Germany	25	29	313	43
12	Vietnam	84	163	96	41
13	Thailand	39	93	56	38
14	South Sudan	-	-	-	37
15	Brazil	3	3	3	35
16	Indonesia	697	814	1,115	35
17	Malaysia	79	32	40	28
18	New Zealand	25	24	29	28
19	Switzerland	18	17	21	25
20	Philippines	28	23	22	22
21	United Kingdom	15	15	22	20
22	Australia	41	24	31	18
23	Netherlands	25	17	19	15
24	Mexico	12	10	34	14
25	Sudan	-	-	-	14

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 2019 Dollar Value"
<<http://www.census.gov/foreign-trade/statistics/state/data/imports/hi.html>> accessed May 22, 2020.

Table 24.07-- TOTAL AND TOP 25 CATEGORIES OF COMMODITY EXPORTS TO FOREIGN COUNTRIES: 2016 TO 2019

[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	2016	2017	2018	2019
	All commodities	795	952	659	454
	Top 25 commodities based on 2018 value	275	488	531	363
1	Light oils, preparations containing GT=70% by weight	64	73	108	68
2	Petroleum oils, oils from bituminous minerals (other)	67	191	195	65
3	Civilian aircraft, engines and parts	31	68	48	50
4	Ferrous waste & scrap NESOI 1/	17	29	46	35
5	Cold-water shrimps & prawns (Pandalus spp., Crangon), in shell or not	-	19	24	21
6	Waters, other than mineral or aerated not sweetened	15	15	14	14
7	Macadamia nuts, in shell, fresh or dried	7	10	9	12
8	Instruments and apparatus NESOI, specially designed 1/	6	7	8	11
9	Aluminum waste and scrap	9	10	13	11
10	Petroleum bitumen	-	-	-	9
11	Juice of single fruit/vegetable, not fortified	3	4	6	8
12	Copper waste and scrap	7	10	7	6
13	Papayas (papaws), fresh	8	7	7	6
14	Cocoa preparations, not in bulk form, NESOI 1/	9	10	7	6
15	Waste & scrap, of unbleached kraft paper or paperboard	5	6	7	5
16	Coffee, roasted, not decaffeinated	6	7	5	5
17	Jewelry and parts thereof, of precious metal other	3	3	4	5
18	Paintings, drawings and pastels, hand executed works	1	2	5	4
19	Coffee, not roasted, not decaffeinated	4	4	5	4
20	Medicaments; no antibiotics, hormones, alkaloids or deriv.	3	3	3	3
21	Radar apparatus	-	-	-	3
22	Macadamia nuts, shelled, fresh or dried	3	3	3	3
23	Nuts (other than peanuts (ground nuts)), and other	2	4	3	3
24	Alloy steel waste and scrap, other than stainless	-	1	1	3
25	Bees, live	2	3	2	2

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 2019 Dollar Value"
<<https://www.census.gov/foreign-trade/statistics/state/data/exstall.xls>> accessed May 22, 2020.

Table 24.08-- TOTAL AND TOP 25 CATEGORIES OF COMMODITY IMPORTS FROM FOREIGN COUNTRIES: 2016 TO 2019

[In millions of dollars. U.S. Imports by State of Final Destination (State Import Series)]

Rank	Commodity	2016	2017	2018	2019
	Total Hawaii imports	2,927	3,809	4,523	3,783
	Top 25 commodities based on 2018 dollar value	2,071	2,941	3,548	3,011
1	Petroleum oils & oils from bituminous minerals	1,369	1,998	2,300	1,572
2	Petroleum oils, oils from bituminous minerals (other than light oils, etc.)	276	338	378	462
3	Light oils & preparations containing GT = 70% by wt	-	-	-	287
4	Airplanes and other aircraft; of an unladen weight exceeding 15,000kg	-	159	415	162
5	Vehicles; w/only spark-ignition internal combustion reciprocating piston engine, cylinder capacity over 1500 but not over 3000cc	132	108	107	143
6	Vehicles; w/only spark-ignition internal combustion reciprocating piston engine, cylinder capacity over 3000cc	91	108	98	93
7	Propane, liquified	14	20	24	40
8	Tuna (of genus Thunnus), skipjack/striped-bellied bonito	25	16	18	30
9	Vehicles; w/both spark-ignition internal combustion reciprocating piston engine & electric motor for propulsion	-	20	18	30
10	Jewelry and parts thereof, of other precious metal	21	21	26	25
11	Portland cement except white Portland cement	19	16	16	18
12	Wooden furn. (exc. seats) of a kind as used in kitchens	23	23	18	13
13	Bituminous mixtures based on natural asphalt, etc.	-	14	6	13
14	Wooden furniture, NESOI 1/	14	12	13	13
15	Beer made from malt	17	16	14	12
16	Parts of airplanes or helicopters, NESOI 1/	4	3	8	12
17	Seats with wooden frames, upholstered, NESOI 1/	9	11	13	12
18	Meat of bovine animals, boneless, frozen	14	13	13	11
19	Container bags, boxes, cases & satchels, NESOI 1/	9	8	9	10
20	Lithium ion batteries	3	3	20	9
21	Parts of electric motors, generators	2	-	-	9
22	Bread, pastry, cakes, biscuits, & similar baked prod.	9	8	9	9
23	Wrist watches, with/without stop-watch, with auto winding	5	7	10	9
24	Waterskis, surfboards, & other water-sport equip.	9	8	8	9
25	Fruit & edible plant parts NESOI, prepared, etc. 1/	7	9	8	9

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 2019 Dollar Value"

<<https://www.census.gov/foreign-trade/statistics/state/data/imports/hi.html>> accessed May 22, 2020.

Table 24.09--FOREIGN AGRICULTURAL EXPORTS FOR HAWAII AND THE UNITED STATES: 1973 TO 2018

[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 2017 Hawaii estimates and 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	51,257.7	2010	308.3	115,806.3
2001	158.0	53,672.7	2011	363.1	136,425.9
2002	152.2	53,138.0	2012	383.5	141,512.2
2003	159.5	59,387.0	2013	365.2	144,316.9
2004	164.1	61,410.9	2014	366.6	149,952.8
2005	185.8	63,175.9	2015	367.4	133,016.2
2006	198.6	70,942.4	2016	347.6	134,628.7
2007	211.3	89,980.4	2017	359.8	138,126.9
2008	257.5	114,746.0	2018	307.9	138,915.5
2009	274.8	98,439.2			

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]: CY2000-2018" (October 28, 2019)

<<https://www.ers.usda.gov/data-products/state-export-data/>> accessed July 22, 2020.

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 2018

[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 2017 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	18.1	1.7	0.5	0.7	12.4	1.3	0.2	1.1
2001	17.9	1.5	0.6	0.9	12.5	1.2	0.2	1.1
2002	18.1	1.5	0.8	0.8	12.8	1.0	0.2	0.9
2003	13.5	1.5	0.6	0.7	8.5	1.0	0.2	1.0
2004	11.9	0.4	0.7	0.8	7.8	1.1	0.1	1.1
2005	12.1	0.6	0.8	0.7	7.5	1.1	0.0	1.3
2006	11.1	1.1	0.8	1.0	5.9	1.1	0.0	1.2
2007	15.5	1.4	0.8	1.0	10.5	0.8	0.0	1.0
2008	27.0	1.6	1.0	0.9	21.8	0.6	0.0	1.1
2009	22.9	2.0	0.9	0.8	17.0	0.7	0.0	1.4
2010	27.4	2.5	1.0	1.1	20.5	1.0	0.0	1.4
2011	36.4	4.0	0.7	1.6	28.9	1.2	0.0	0.0
2012	44.9	4.4	0.7	1.7	35.8	1.3	0.0	1.0
2013	40.5	4.6	0.6	1.8	30.7	1.7	0.0	1.1
2014	48.5	5.4	1.2	1.8	36.9	1.5	0.0	1.7
2015	43.7	4.8	0.8	1.5	33.2	1.5	0.0	1.8
2016	43.2	4.3	0.5	1.0	35.1	1.2	0.0	1.0
2017	51.4	4.5	0.2	0.9	42.7	1.6	0.0	1.4
2018	52.2	5.7	0.1	0.8	42.0	1.5	0.0	2.1

Year	Total plant prod.	Veg., fresh	Veg., processed	Fruits, fresh	Fruits, processed	Tree nuts	Other plant products 1/
2000	132.9	13.2	20.0	9.8	9.0	21.7	59.1
2001	140.1	13.0	19.5	9.5	8.4	24.8	64.9
2002	134.1	12.8	18.1	9.1	8.0	19.0	67.1
2003	146.0	13.4	17.5	9.8	8.7	21.1	75.6
2004	152.2	13.1	17.7	8.6	8.2	23.7	80.8
2005	173.7	13.7	17.9	12.3	10.1	28.6	91.1
2006	187.5	14.2	18.7	11.8	10.9	30.3	101.6
2007	195.8	11.0	15.1	12.9	12.3	17.6	126.9
2008	230.5	0.7	1.1	5.5	5.0	29.8	188.5
2009	252.0	0.3	0.4	5.6	5.0	26.1	214.6
2010	280.9	0.3	0.5	5.4	4.8	22.6	247.2
2011	326.7	0.4	0.6	5.5	5.1	29.0	286.2
2012	338.6	0.3	0.6	5.3	4.5	27.0	300.8
2013	324.7	0.3	0.5	5.6	4.9	25.6	287.9
2014	318.0	0.3	0.5	5.3	4.8	27.0	280.1
2015	323.7	0.3	0.6	4.4	4.4	45.4	268.6
2016	304.3	0.3	0.6	3.6	3.4	38.2	258.3
2017	308.4	0.3	0.6	3.6	3.1	50.6	250.2
2018	255.7	0.3	0.5	1.7	1.4	37.5	214.3

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, State detail by commodity [New series]: CY2000-2018" (October 28, 2019)
<http://www.ers.usda.gov/data-products/state-export-data/> accessed January 23, 2020.

Table 24.12-- INTERNATIONAL STUDENT SPENDING AND ECONOMIC IMPACT: 2015 TO 2018

[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 2015 1/	AY 2016 2/	AY 2017 2/	CY 2017 2/	CY 2018 2/
Total direct spending	205,103	301,913	225,317	241,491	216,866
Living expenses	72,451	159,101	100,632	133,688	124,537
Tuition and fees	132,652	142,812	124,684	107,803	92,329
Output multiplier	2.16	2.15	2.15	2.06	2.06
Total output generated	443,023	649,112	484,431	497,471	446,744
Earnings multiplier	0.9	0.85	0.85	0.91	0.91
Total income generated	184,593	256,626	191,519	219,756	197,348
State tax multiplier	0.141	0.143	0.143	0.158	1.158
Total state taxes generated	28,920	43,536	32,288	38,156	34,265
Employment multiplier	24.9	25.14	22.6	21.8	21.1
Total jobs generated	5,107	7,590	5,093	5,264	4,576

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: 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;

The Economic Impact of International Students in Hawaii - 2019 Update (October 2019)

<<http://files.hawaii.gov/dbedt/economic/reports/2019-10-foreign-student.pdf>> accessed July 20, 2020;

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: 2016 TO 2018**

[In number, millions of dollars, and percent]

Characteristic	2016		2017		2018	
	Hawaii	U.S.	Hawaii	U.S.	Hawaii	U.S.
Exports by state of origin of movement 1/						
Value of exports	795	1,451,011	952	1,546,273	660	1,665,992
Value as percent of total	0.1	100	0.1	100.0	(4/)	100.0
Known value 2/ 3/	441	1,295,621	544	1,383,304	457	1,477,975
Percent of known value	(4/)	100	(4/)	100.0	(4/)	100.0
No. of identified exporters 3/	786	290,606	808	290,625	791	292,793
Percent of no. of ident. exp.	0.3	100	0.3	100.0	0.3	100.0
Percent chg. from previous year						
Value of exports	-58.1	-3.4	19.7	6.6	-30.7	7.7
Known value 2/ 3/	-26.3	-3.2	23.4	6.8	16.1	6.8
Number of exporters 3/	-7.5	-1.7	2.8	0.0	-2.1	0.7
Imports by state of destination 5/						
Value of imports	2,931	2,187,805	3,809	2,339,884	4,524	2,540,806
Value as percent of total	0.1	100.0	0.2	100.0	0.2	100.0
Known value 2/ 3/	2,629	1,911,184	2,516	2,032,453	3,058	2,174,089
Percent of known value	0.1	100.0	0.1	100.0	0.1	100.0
No. of identified exporters 3/	2,333	211,335	2,330	218,585	2,447	224,377
Percent of no. of ident. exp.	1.1	100.0	1.1	100.0	1.1	100.0
Percent chg. from previous year						
Value of imports	-22.0	-2.7	30.0	7.0	18.8	8.6
Known value 2/	-26.0	-3.0	-4.3	6.3	21.5	7.0
Number of importers	9.6	7.3	-0.1	3.4	5.0	2.6

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/ 2016 for Hawaii and the U.S. 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, 2016-2017* <<https://www.census.gov/foreign-trade/Press-Release/edb/2017/index.html>> accessed March 16, 2020; Ibid. 2017-2018 <<https://www.census.gov/foreign-trade/Press-Release/edb/2018/index.html>> accessed July 22, 2020; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.14-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS
OF FOREIGN OWNERS: 2004 TO 2018**

[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
Dec. 31, 2017	119	1,803,038	163,303	8.8	158,692
Dec. 31, 2018	126	1,803,038	171,103	9.2	166,451

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, 2018 percentage for Hawaii ranked 2nd (rank of 1 assigned to the highest) among the 50 States, exceeded only by Maine at 18.4 percent and well above the national percentage of 2.5 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), <<http://www.fsa.usda.gov/programs-and-services/economic-and-policy-analysis/afida/index>> accessed July 23, 2020.

**Table 24.15-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS
OF FOREIGN OWNERS, BY COUNTRY AND BY COUNTY: 2017 AND 2018**

[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, 2017					
Parcels owned by foreigners	119	10	75	7	27
Use of landholdings of foreign owners	163,303	6,137	95,813	7,927	53,426
Agriculture	158,692	2,955	94,637	7,886	53,213
Cropland	38,849	1,838	34,153	133	2,725
Pasture	78,659	-	28,089	2,849	47,720
Forest	7,071	-	1,730	4,201	1,140
Other agriculture	34,113	1,117	30,665	703	1,628
Non agriculture	4,611	3,182	1,175	41	213
Acres owned by foreigners 1/	163,303	6,137	95,813	7,927	53,426
Canada	122	-	66	-	56
Germany	434	-	23	384	27
Netherlands	37,135	-	37,133	-	2
United Kingdom	3,128	-	3,128	-	27
All others	122,483	6,137	55,462	7,543	53,341
December 31, 2018					
Parcels owned by foreigners	126	10	75	7	34
Use of landholdings of foreign owners	171,105	6,137	95,813	7,927	61,229
Agriculture	166,421	2,955	94,637	7,886	60,942
Cropland	40,025	1,838	34,153	133	3,901
Pasture	81,285	-	28,089	2,849	50,346
Forest	7,071	-	1,730	4,201	1,140
Other agriculture	38,040	1,117	30,665	703	5,555
Non agriculture	4,684	3,182	1,175	41	286
Acres owned by foreigners 1/	171,105	6,137	95,813	7,927	61,229
Canada	144	-	66	-	78
Germany	8,214	-	23	384	7,807
Netherlands	37,135	-	37,133	-	2
United Kingdom	3,128	-	3,128	-	-
All others	122,482	6,137	55,462	7,543	53,341

1/ Reflects unpublished correction as published 'State Total' not equal to sum of components.

Source: U.S. Department of Agriculture, Farm Service Agency, *Foreign Ownership of U. S.*

Agricultural Land Through December 31 (annual) <<http://www.fsa.usda.gov/programs-and-services/economic-and-policy-analysis/afida/index>> accessed July 23, 2020; 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	Petroleum	Manufacturing	Wholesale trade	Retail trade	Finance, nonbank	Insurance	Real estate	Services & other	Services	Other
1977	672	16	8	5	54	-	1	233	354	(NA)	(NA)
1978	742	17	12	8	57	1	1	246	400	(NA)	(NA)
1979	789	17	14	7	65	1	1	256	427	(NA)	(NA)
1980	1,020	(D)	(D)	17	52	(D)	2	431	474	(NA)	(NA)
1981	1,158	(D)	24	(D)	(D)	1	2	494	501	(NA)	(NA)
1982	1,366	21	38	24	80	(D)	1	584	(D)	(NA)	(NA)
1983	1,460	22	40	28	253	10	1	558	(D)	(NA)	(NA)
1984	1,691	23	73	56	274	3	3	605	653	(NA)	(NA)
1985	1,777	26	103	60	281	3	2	584	719	(NA)	(NA)
1986	2,013	31	157	61	280	4	1	713	767	(NA)	(NA)
1987	3,474	26	129	44	297	3	(D)	991	(D)	1,860	(D)
1988	4,990	28	201	91	322	3	8	1,739	2,598	2,371	227
1989	8,224	(D)	247	179	340	10	15	2,380	(D)	4,309	(D)
1990	11,830	(D)	368	189	490	17	15	3,868	(D)	5,855	(D)
1991	13,921	(D)	386	212	535	82	13	4,069	(D)	7,385	(D)
1992	15,454	(D)	290	(D)	564	222	17	5,075	8,450	7,939	511
1993	16,030	(D)	296	258	570	300	(D)	4,907	8,970	8,454	516
1994	16,185	(D)	308	257	597	306	18	4,615	(D)	8,863	(D)
1995	15,972	(D)	319	168	626	(D)	21	4,374	9,255	8,480	775
1996	15,324	(D)	279	181	739	205	(D)	4,167	8,830	8,072	758
1997	14,805	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1998	12,453	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1999	11,460	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2000	10,369	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2001	9,787	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2002 1/	7,816	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2003 1/	7,579	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2004 1/	6,741	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2005 1/	5,838	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2006 1/ 2/	8,007	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

D Withheld to avoid disclosing data for individual companies.

NA Not available.

1/ Beginning with 2002, the survey data was largely tabulated for majority-owned (50 percent or more foreign direct investor) affiliates.

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/	Manufact-uring	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 2017**

[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	2017
All countries 1/	6,184	31.0	27.6	26.7	26.8	29.8	33.7	34.6	37.2	36.7	37.7	37.3
Japan 1/	4,320	16.6	13.2	12.8	12.7	14.2	15.5	16.0	17.3	17.2	17.3	17.0
Canada	18	0.6	0.9	0.9	1.0	0.8	0.8	0.7	1.2	1.4	1.3	1.4
France	680	4.6	4.3	4.5	4.4	5.9	6.0	6.1	6.3	5.7	5.5	5.6
Germany	250	0.9	0.8	0.7	0.7	0.7	0.9	0.9	1.0	0.9	1.0	1.1
Netherlands 1/	(D)	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.3	0.3	0.4	0.4
Switzerland 1/	39	0.8	0.9	1.0	0.9	1.0	1.2	1.0	0.9	0.8	0.4	0.3
United Kingdom 1/	58	2.4	3.0	2.3	2.7	2.5	2.4	2.7	2.7	2.8	2.9	2.9
Other 1/ 2/	(D)	4.9	4.4	4.4	4.3	4.3	6.6	6.8	7.6	7.6	9.0	8.6
All industries 1/	6,184	31.0	27.6	26.7	26.8	29.8	33.7	34.6	37.2	36.7	37.7	37.3
Manufacturing 1/	303	2.8	3.4	2.8	3.3	2.8	3.6	3.4	3.3	2.7	2.7	2.4
Wholesale trade	434	2.5	1.9	1.4	1.3	1.3	1.0	1.0	1.1	2.8	3.0	3.1
Retail trade 1/	363	3.2	3.3	4.2	4.3	5.5	5.6	5.9	6.0	3.8	3.9	4.4
Information 1/	150	0.3	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.5	0.5
Finance & ins. 1/	(D)	3.1	2.6	2.6	2.5	2.8	2.9	2.9	2.9	2.9	2.9	2.8
Real estate & rental & leasing	763	1.3	1.2	1.2	1.2	1.1	(3/)	(3/)	1.2	1.2	1.2	1.3
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	0.8
Other industries	(D)	17.6	14.5	14.1	13.8	15.6	(4/)	(4/)	21.9	22.4	22.9	22.0

D Withheld to avoid disclosing data for individual companies.

1/ 2016 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 2007-2017" ; "Employment by State and Industry 2007-2017"

<<http://www.bea.gov/iTable/iTable.cfm?ReqID=2&step=1>> accessed November 15, 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 2017**

[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	2013	(NA)	35.3
2008	(NA)	29.2	2014	15,896	38.1
2009	(NA)	28.1	2015	10,984	38.3
2010	(NA)	28.5	2016 1/	11,801	39.3
2011	(NA)	31.1	2017	12,143	43.1
2012	(NA)	34.6			

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 November 15, 2019.

BIBLIOGRAPHY

This volume is the 52nd 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 https://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 2018* was created by the Small Business Development Center's Business Research Library and may be found online at <https://www.rd.hawaiicounty.gov/data-information> and <https://www.hisbdc.org/BusinessResearchLibrary/MauiCountyDataBook2018.aspx>. The *Maui County Data Book 2018* is 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. 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/MauiCountyDataBookArchive.aspx>.

Persons interested in historical data for other states or the nation should consult the *Statistical Abstract of the United States* and other Census Bureau resources such as the *State and Metropolitan Area Data Book*, *County and City Data Book* and *USA Counties* at 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 <https://www.census.gov/>.

**Table A.-- PRINTING HISTORY OF THE STATE OF HAWAII DATA BOOK:
1993-94 TO 2019**

[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/)
2019	(5/)	848	(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 online. *Data Book* tables may be viewed or downloaded from <https://dbedt.hawaii.gov/economic/databook>. Updates and revisions to the tables will also be accessible throughout the year on this 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 online.

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 DBEDT Data Warehouse is at <https://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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