

State Population Total 1,440,196

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City & County of Honolulu 995,638

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Hawaii County 206,315

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**2022**

The State of Hawaii  
**DATA BOOK**

A Statistical Abstract

Maui County 164,433

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Kauai County 73,810

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

# 2022

The State of Hawaii

# DATA BOOK

A Statistical Abstract

August 2023



**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. Edition History of the *State of Hawaii Data Book*  
Availability of electronic versions of the *Data Book* tables

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 Mary Blewitt, Economist, Carlie Liddell, Paul Oshiro, and Giovanni Vila, Research Statisticians, under the direction of Yang-Seon Kim, Ph.D., Research and Statistics Officer. The Office of Planning & Sustainable Development, 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 2022 edition of the State of Hawai‘i *Data Book*, the official summary of statistics on the social, economic, and political organization of Hawai‘i.

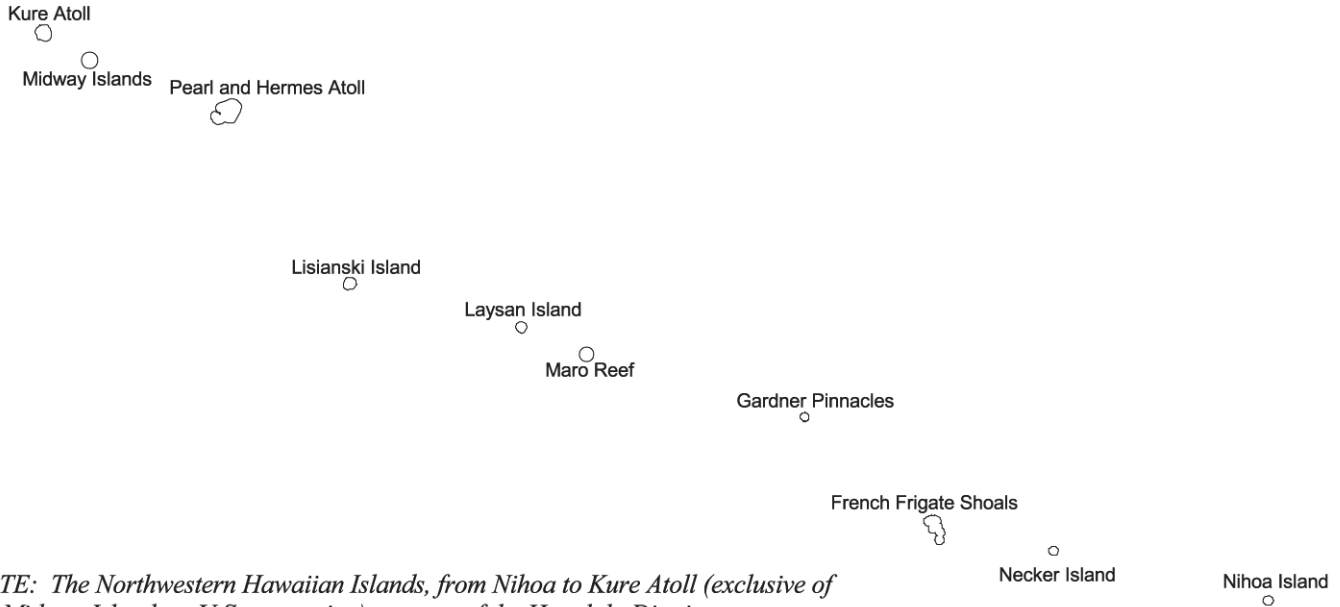
This edition, the 55<sup>th</sup> in the series, places major emphasis on statewide data and less on counties, islands, urban places, and smaller areas. Source references for additional statistical detail are provided in the section introduction and at the end of each table.

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



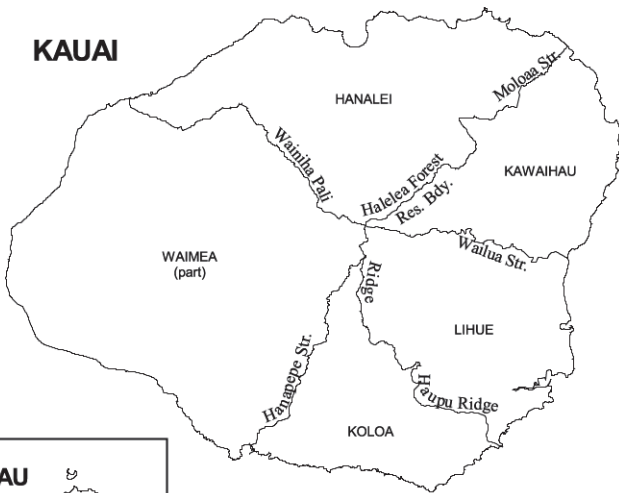
James Kunane Tokioka  
Director  
State of Hawai‘i  
Department of Business, Economic Development & Tourism

# 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



### NIHAU



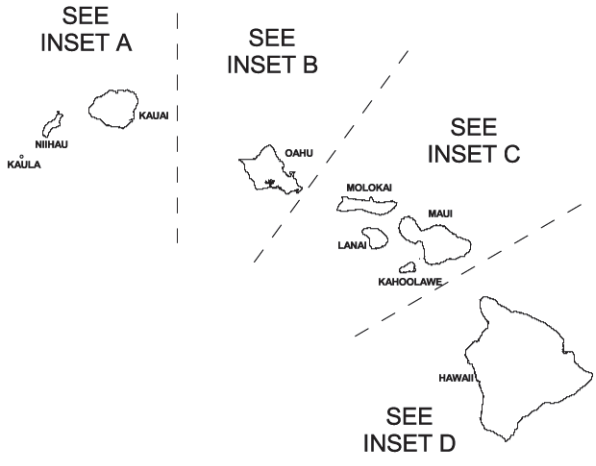
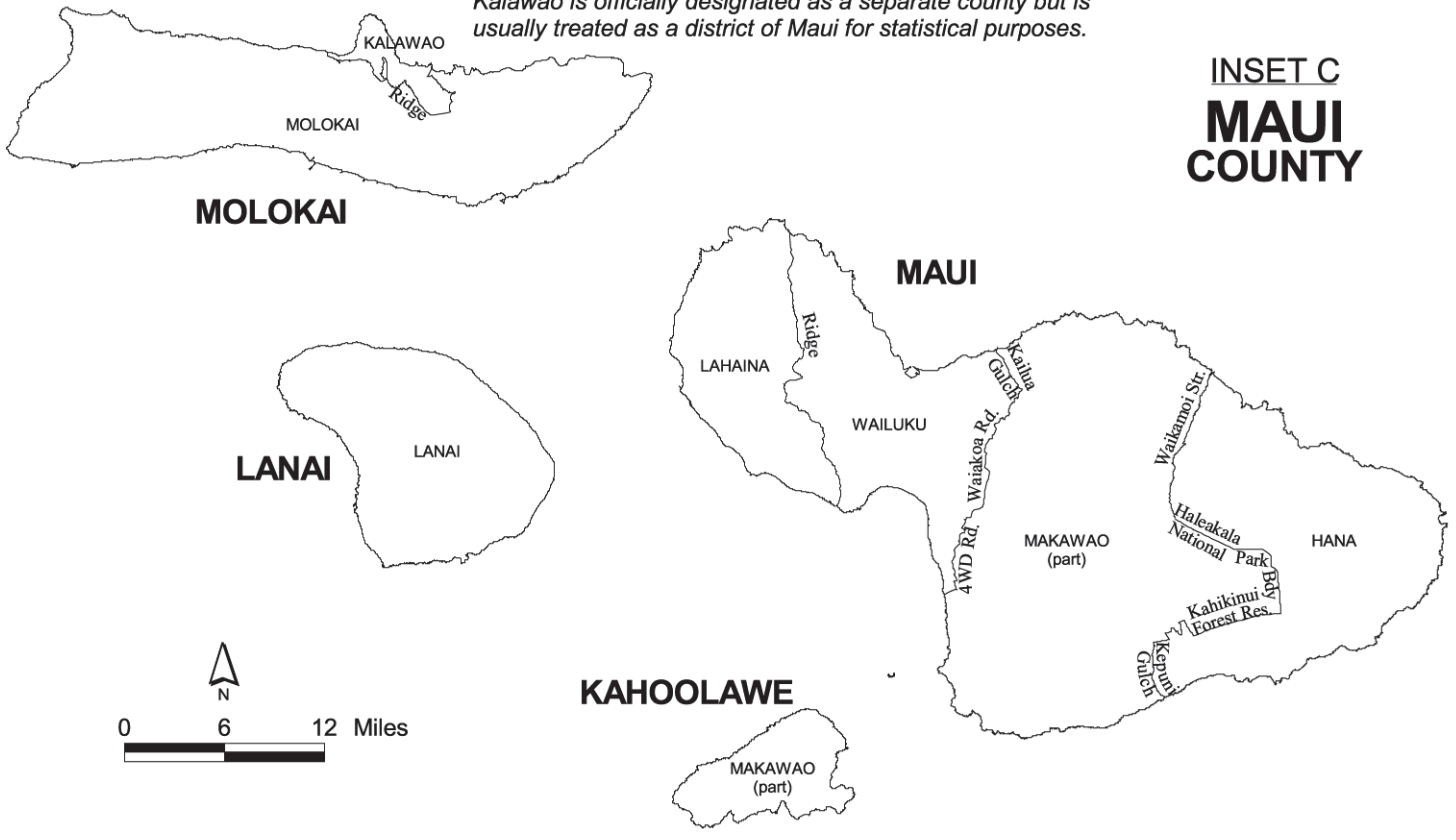
## INSET B HONOLULU CITY AND COUNTY



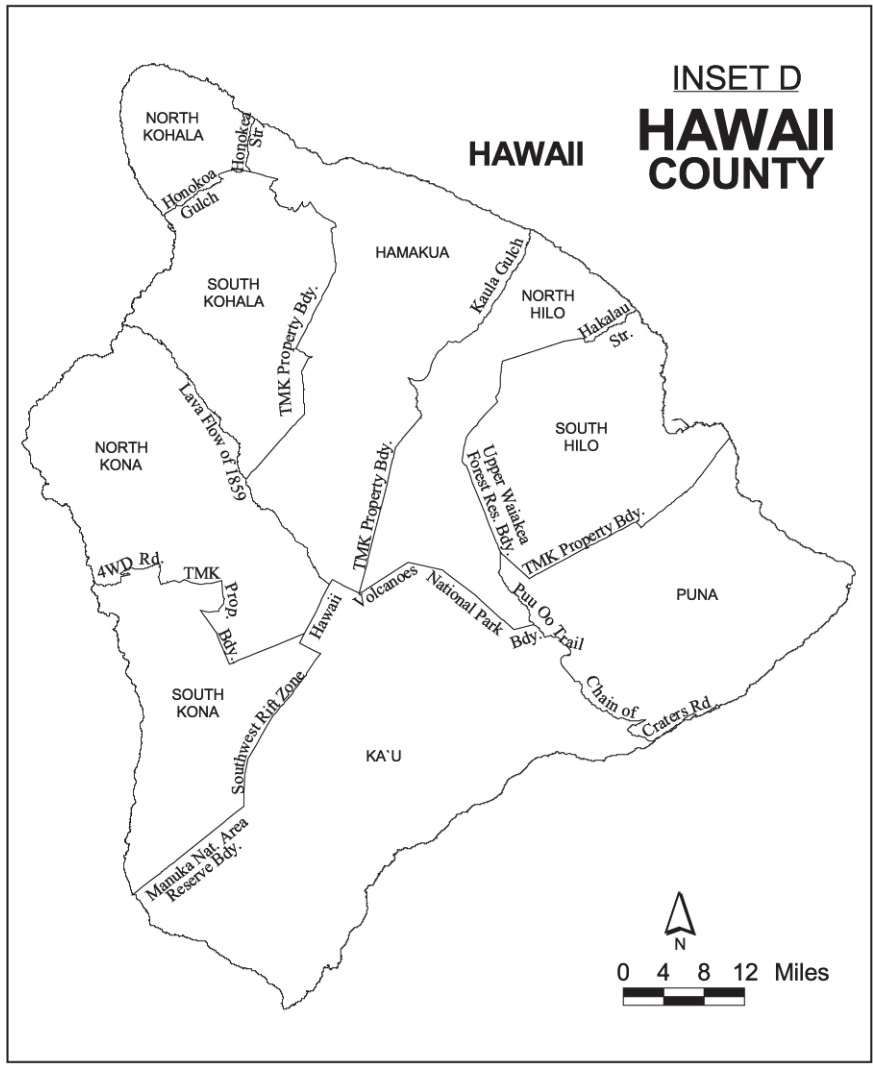


*Kalawao is officially designated as a separate county but is usually treated as a district of Maui for statistical purposes.*

**INSET C  
MAUI  
COUNTY**



**INSET D  
HAWAII  
COUNTY**



STATE OF HAWAII  
DEPARTMENT OF BUSINESS, ECONOMIC  
DEVELOPMENT & TOURISM

OFFICE OF PLANNING

2001

# 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 Tourism Research Branch of DBEDT; 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.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey estimates were not disrupted and are included in this release.

This release also includes additional data from the 2020 decennial census. More decennial census data will be available in Fall 2023.

**Table 1.01-- POPULATION OF COUNTIES: 1831 TO 2020**

[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. Census Bureau 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 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: Jan.	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: Sep. 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: Jan. 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
2020: April 1	1,455,271	0.7	1,016,508	200,629	73,298	164,836

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; and U.S. Census Bureau, *1980 Census of Population*, PC80-1-A13 (October 1981), table 2; *1990 Census of Population and Housing*, 1990 CPH-1-13 (August 1991), table 2; and Census Redistricting Data (P.L. 94-171) Summary Files for 2000 (March 2001), 2010 (February 2011) and 2020 (September 2021); and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.02-- CHARACTERISTICS OF THE POPULATION: 1831 TO 2020**

[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	91.9	100.3	18.5	3/ 41.5	(NA)	2.89
2020	86.1	100.1	17.1	3/ 41.9	(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, *Decennial Census of Population* records for 1980 through 2020 <<https://www.census.gov/programs-surveys/decennial-census/data/datasets.html>> accessed May 30, 2023, and <<https://data.census.gov>> accessed May 30, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.03-- RESIDENT POPULATION, BY MILITARY STATUS: 2020 TO 2022**

Date	Total resident population 1/	Armed Forces 2/	Civilian population		
			All civilians 1/	Military dependents 3/	Other civilians 1/
2020: April 1 4/	1,455,273	42,516	1,412,757	5/ 55,311	1,357,446
July 1	1,451,043	42,262	1,408,781	55,311	1,353,470
2021: July 1	1,447,154	42,835	1,404,319	54,819	1,349,500
2022: July 1	1,440,196	41,219	1,398,977	45,587	1,353,390

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. Based on population estimate revisions released in June 2023 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 2023 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, Defense Enrollment Eligibility Reporting System (DEERS) data, and DBEDT estimates.

4/ Population Estimate base was used for the April 1 figures.

5/ July 1, 2020 data.

Source: U.S. Census Bureau, Population Division, Population and Housing Unit Estimates, Tables SC-EST2022-SYAEX-15 (June 2023) and SC-EST2022-AGESEX-CIV (June 2023) <<https://www.census.gov/programs-surveys/popest.html>> accessed July 11, 2023; Hawaii Department of Business Economic Development & Tourism, *Data Book* Table 1.22, and calculations.



**Table 1.04-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 2010 TO 2022**

[As of July 1. Data for 2020 and later were revised from previous *Data Book*. Population estimates for 2011 through 2019 were calculated by the Research & Economic Analysis Division of the Hawaii State Department of Business, Economic Development & Tourism, based on Census Bureau estimates]

Date	Resident population 1/		De facto population 2/		De facto-resident ratio 2/
	Total	Temporarily absent	Total	Visitors present 3/	
2010	1,364,004	73,217	1,468,736	177,949	1.077
2011	1,383,986	73,863	1,495,947	185,824	1.081
2012	1,404,183	75,985	1,529,466	201,267	1.089
2013	1,422,439	68,946	1,556,369	202,876	1.094
2014	1,433,547	64,898	1,574,866	206,217	1.099
2015	1,445,905	62,389	1,597,450	213,934	1.105
2016	1,456,469	63,093	1,611,051	217,675	1.106
2017	1,457,792	62,693	1,624,163	229,063	1.114
2018	1,459,542	65,647	1,634,237	240,341	1.120
2019	1,456,371	69,515	1,632,588	245,733	1.121
2020	1,451,043	46,168	1,482,790	77,915	1.022
2021	1,447,154	61,048	1,565,043	178,938	1.081
2022	1,440,196	74,775	1,597,575	232,154	1.109

NA Not available.

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 were based on calculations by the Research & Economic Analysis Division of the Hawaii State Department of Business, Economic Development & Tourism, based on Census Bureau estimates. They may vary from previous 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 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, Tables ST-EST00INT-01 (September 2011) and CO-EST-POP-15 (March 2023) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 7, 2023; Department of Business, Economic Development and Tourism, Tourism Research, *Annual Visitor Research Report*, and records, and Statistics and Data Support Branch, 2011-2019 Population Estimates <<http://dbedt.hawaii.gov/economic/datawarehouse/>> accessed August 1, 2022, and calculations.

**Table 1.05-- RESIDENT POPULATION OF ISLANDS: 1970 TO 2020**

Island	1970	1980	1990	2000	2010	2020
State of Hawaii	769,913	964,691	1,108,229	1,211,537	1,360,301	1,455,271
Hawaii	63,468	92,053	120,317	148,677	185,079	200,629
Kahoolawe	-	-	-	-	-	-
Maui 1/	38,691	62,823	91,361	117,644	144,444	154,100
Lanai	2,204	2,119	2,426	3,193	3,135	3,367
Molokai 2/	5,261	6,049	6,717	7,404	7,345	7,369
Oahu 3/	630,497	762,534	836,231	876,151	953,207	1,016,508
Kauai	29,524	38,856	50,947	58,303	66,921	73,214
Niihau 4/	237	226	230	160	170	84
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 (82 in 2020).

3/ Including Sand Island, Mokauea Island, Ford Island, and Moku o Loe.

4/ Including Lehua and Kaula (both uninhabited).

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 1970-2020, <<https://data.census.gov>> accessed March 22, 2022, and <<https://www.census.gov/programs-surveys/decennial-census/data.html>> accessed March 22, 2022, U.S. Coast Guard, records for Kure Atoll in 1990.

**Table 1.06-- RESIDENT POPULATION, BY COUNTY: 2020 TO 2022**

[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. Revised from previous *Data Book* ]

<b>Date 1/</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 2/</b>
2020: April 1	1,455,273	1,016,506	200,631	73,294	164,842
July 1	1,451,043	1,012,305	200,712	73,186	164,840
2021: July 1	1,447,154	1,004,673	203,792	73,791	164,898
2022: July 1	1,440,196	995,638	206,315	73,810	164,433

1/ April 1 figures are the resident total population estimates base, derived from the 2020 Decennial Census. Population Estimates for July 1, 2020 through July 1, 2021 are based on revisions released in March 2023.

2/ Including Kalawao County (Kalaupapa Settlement).

Source: U.S. Bureau of the Census, Population Division, "Annual Estimates of the Resident Population for Counties in Hawaii: April 1, 2020 to July 1, 2022" (CO-EST2022-POP-15) (released March 2023) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed March 30, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.07-- PERCENTAGE CHANGE IN RESIDENT POPULATION, BY COUNTY, 2021 TO 2022, AND ANNUAL GROWTH RATE, 1990 TO 2020**

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

<b>Date 1/</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 2/</b>
Growth from previous year:					
2021	-0.3	-0.8	1.5	0.8	0.0
2022	-0.5	-0.9	1.2	0.0	-0.3
Annual growth rate:					
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 - 2020	0.6	0.6	0.8	0.9	0.6

1/ Population Estimates for July 1, 2020 through July 1, 2022 are based on revisions released in March 2023.

2/ Includes Kalawao County (Kalaupapa Settlement).

Source: U.S. Bureau of the Census, Population Division, "Annual Estimates of the Resident Population for Counties in Hawaii: April 1, 2020 to July 1, 2022" (CO-EST2022-POP-15) (released March 2023) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed March 30, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.08-- COUNTY POPULATION AS A SHARE OF THE STATE  
TOTAL: 2020 TO 2022**

[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. Revised from previous *Data Book*]

<b>Date 1/</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 2/</b>
2020: April 1	69.8	13.8	5.0	11.3
July 1	69.8	13.8	5.0	11.4
2021: July 1	69.4	14.1	5.1	11.4
2022: July 1	69.1	14.3	5.1	11.4

1/ April 1 figures are the resident total population estimates base, derived from the 2020 Decennial Census. Population Estimates for July 1, 2020 through July 1, 2021 are based on revisions released in March 2023.

2/ Includes Kalawao County (Kalaupapa Settlement).

Source: U.S. Bureau of the Census, Population Division, "Annual Estimates of the Resident Population for Counties in Hawaii: April 1, 2020 to July 1, 2022" (CO-EST2022-POP-15) (released March 2023) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed March 30, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.09-- DE FACTO POPULATION, BY COUNTY: 2010 TO 2022**

[As of July 1. 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. Data for 2020 and later were revised from previous *Data Book*. Population estimates for 2011 through 2019 were calculated by the Research & Economic Analysis Division of the Hawaii State Department of Business, Economic Development & Tourism, based on Census Bureau estimates]

<b>Date</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
2010	1,468,736	988,402	202,410	83,189	194,735
2011	1,495,947	1,006,527	205,498	85,327	198,595
2012	1,529,466	1,030,914	209,047	87,547	201,958
2013	1,556,369	1,047,769	212,011	89,986	206,604
2014	1,574,866	1,058,783	215,042	90,942	210,099
2015	1,597,450	1,072,517	218,770	92,964	213,199
2016	1,611,051	1,079,640	221,095	93,979	216,337
2017	1,624,163	1,082,858	226,372	95,964	218,969
2018	1,634,237	1,085,816	226,774	98,348	223,299
2019	1,632,588	1,083,883	226,688	97,463	224,554
2020	1,482,790	1,015,488	207,869	78,951	180,482
2021	1,565,043	1,036,974	225,471	89,625	212,973
2022	1,597,575	1,045,329	233,808	98,182	220,256

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, Tables ST-EST00INT-01 (September 2011) and CO-EST-POP-15 (March 2023) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 7, 2023; Department of Business, Economic Development and Tourism, Tourism Research, *Annual Visitor Research Report*, and records, and Statistics and Data Support Branch, 2011-2019 Population Estimates <<http://dbedt.hawaii.gov/economic/datawarehouse/>> accessed August 1, 2022.

**Table 1.10-- POPULATION, LAND AREA AND POPULATION DENSITY, BY COUNTY AND ISLAND: 2020**

County and island	Resident population 1/	Land area		Resident population density	
		Square km.	Square miles 2/	Per square km.	Per square mile
State total	1,455,271	16,634.53	6,422.63	87.5	226.6
County					
Honolulu	1,016,508	1,555.92	600.74	653.3	1,692.1
Hawaii	200,629	10,433.55	4,028.42	19.2	49.8
Maui 3/	164,836	3,039.38	1,173.51	54.2	140.5
Kauai	73,298	1,605.68	619.96	45.6	118.2
Island					
Oahu	1,016,508	1,547.88	597.64	656.7	1,700.9
Hawaii	200,629	10,433.55	4,028.42	19.2	49.8
Maui	154,100	1,999.45	771.99	77.1	199.6
Lanai	3,367	365.36	141.07	9.2	23.9
Molokai	7,369	674.58	260.46	10.9	28.3
Kauai	73,214	1,430.59	552.35	51.2	132.5
Niihau	84	175.09	67.60	0.5	1.2
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, 2020 Census Redistricting Data (P.L. 94-171) Summary File (September 2021) and 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 2020**

[See maps for judicial district boundaries]

County and judicial district	1990	2000	2010	2020
State total	1,108,229	1,211,537	1,360,301	1,455,271
Hawaii County	120,317	148,677	185,079	200,629
Puna	20,781	31,335	45,326	51,704
South Hilo	44,639	47,386	50,927	51,551
North Hilo	1,541	1,720	2,041	2,114
Hamakua	5,545	6,108	6,513	6,890
North Kohala	4,291	6,038	6,322	6,979
South Kohala	9,140	13,131	17,627	19,310
North Kona	22,284	28,543	37,875	43,313
South Kona	7,658	8,589	9,997	9,789
Kau	4,438	5,827	8,451	8,979
City & County of Honolulu	836,231	876,156	953,207	1,016,508
Honolulu	377,059	372,279	390,738	405,295
Koolaupoko	117,694	117,994	115,164	121,275
Koolauloa	18,443	18,899	21,406	21,899
Waialua	11,549	14,027	13,046	13,566
Wahiawa	43,886	38,370	41,216	41,667
Waianae	37,411	42,259	48,519	51,965
Ewa	230,189	272,328	323,118	360,841
Kauai County	51,177	58,463	67,091	73,298
Hanalei	4,631	6,348	7,828	8,107
Kawaihau	15,627	18,525	20,992	22,937
Lihue	10,663	12,022	14,683	16,937
Koloa	11,368	12,845	14,086	15,493
Waimea	8,888	8,723	9,502	9,824
Maui County 1/	100,504	128,241	154,924	164,836
Hana	1,895	1,855	2,291	2,719
Makawao	29,207	36,476	41,887	44,437
Wailuku	45,685	61,346	78,110	83,777
Lahaina	14,574	17,967	22,156	23,167
Lanai	2,426	3,193	3,135	3,367
Molokai	6,587	7,257	7,255	7,287
Kalawao	130	147	90	82

1/ Including Kalawao County.

Source: U.S. Census Bureau, decennial census records, <<https://data.census.gov>> access April 11, 2022.



**Table 1.12-- RESIDENT POPULATION AND NUMBER OF HOUSEHOLDS, BY ISLAND AND CENSUS DESIGNATED PLACE: 2020**

[Based on 2020 Census Designated Places (CDPs) boundaries. CDPs do not cover all land areas with populations, so the island totals displayed are not the sum of only their CDPs]

Island and 2020 place	Resident population	Households	Island and 2020 place	Resident population	Households
Hawaii	185,872	70,086	Hawaii (con.)		
Ainaloa	3,609	1,269	Nanawale Estates	1,652	595
Black Sands	416	193	Orchidlands Estates	3,165	1,178
Captain Cook	3,253	1,116	Paauiilo	618	198
Discovery Harbour	1,171	500	Pahala	1,403	425
Eden Roc	1,386	528	Pahoa	924	305
Fern Acres	1,965	770	Papaikou	1,166	424
Fern Forest	1,150	480	Paukaa	434	188
Halaula	773	237	Pepeekeo	1,826	609
Hawaiian Acres	3,426	1,382	Puako	267	131
Hawaiian Beaches	3,976	1,509	Royal Hawaiian Estates	790	363
Hawaiian Ocean View	4,864	2,075	Seaview	512	280
Hawaiian Paradise Park	14,957	5,132	Tiki Gardens	555	190
Hawi	2,268	783	Volcano	736	387
Hilo	44,186	16,132	Volcano Golf Course	363	179
Holualoa	2,994	1,125	Waikoloa Beach Resort	757	384
Honalo	996	283	Waikoloa Village	7,104	2,604
Honaunau-Napoopoo	2,416	803	Waimea	9,904	3,807
Honokaa	2,699	844	Wainaku	1,147	410
Honomu	452	184	Waiohinu	198	67
Kahaluu-Keauhou	4,778	1,881			
Kailua	19,713	9,292	Maui	149,231	50,576
Kaiminani	12,590	4,337	Haiku-Pauwela	8,595	3,123
Kalapana	167	68	Haliimaile	1,074	285
Kaloko	1,314	465	Hana	1,526	429
Kamaili	157	66	Kaanapali	1,161	523
Kapaau	2,008	674	Kahului	28,219	7,616
Keaau	1,195	382	Kapalua	495	217
Kealakekua	2,307	830	Keokea	2,199	663
Kukuihaele	281	99	Kihei	21,423	8,187
Kurtistown	2,515	845	Kula	6,942	2,769
Laupahoehoe	1,147	396	Lahaina	12,702	3,589
Leilani Estates	1,139	514	Launiupoko	688	276
Mauna Loa Estates	1,057	492	Maalaea	310	158
Mountain View	4,215	1,428	Mahinahina	910	343
Naalehu	811	248	Makawao	7,297	2,572

Continued on next page.

**Table 1.12-- RESIDENT POPULATION AND NUMBER OF HOUSEHOLDS, BY ISLAND AND CENSUS DESIGNATED PLACE: 2020 -- Con.**

Island and 2020 place	Resident population	Households	Island and 2020 place	Resident population	Households
Maui (con.)			Kauai (con.)		
Makena	196	69	Princeville	2,157	969
Napili-Honokowai	7,042	2,783	Puhi	3,380	1,040
Olinda	1,188	454	Wailua	2,359	915
Olowalu	100	32	Wailua Homesteads	5,863	2,097
Paia	2,470	898	Waimea	2,057	762
Pukalani	8,299	2,952	Wainiha	419	146
Waihee-Waiehu	9,234	2,454	Oahu	995,678	334,235
Waikapu	3,437	1,028	Ahuimanu	8,969	2,920
Wailea	6,027	2,802	Aiea	10,408	3,151
Wailuku	17,697	6,354	East Honolulu	50,922	18,400
Lanai	3,339	1,180	East Kapolei	5,299	1,517
Lanai City	3,332	1,174	Ewa Beach	16,415	3,654
Manele	7	6	Ewa Gentry	25,707	7,571
Molokai	6,357	2,125	Ewa Villages	7,825	1,969
Kaunakakai	3,419	1,240	Halawa	15,016	4,665
Kualapuu	2,110	617	Haleiwa	4,941	1,568
Maunaloa	435	137	Hauula	4,018	968
Ualapue	393	131	Heeia	5,001	1,697
Kauai	69,813	23,705	Helemano	2,549	832
Anahola	2,243	646	Hickam Housing	7,581	2,229
Eleele	2,515	754	Iroquois Point	4,549	1,306
Haena	550	202	Kaaawa	1,421	495
Hanalei	444	165	Kahaluu	5,241	1,614
Hanamaulu	4,994	1,300	Kahuku	2,852	637
Hanapepe	2,678	854	Kailua	40,514	15,521
Kalaheo	4,996	1,787	Kalaeloa	2,364	693
Kalihiwai	361	128	Kaneohe	37,430	11,984
Kapaa	11,652	3,795	Kaneohe Base	9,483	1,912
Kaumakani	672	196	Kapolei	21,411	6,376
Kekaha	3,715	1,181	Kawela Bay	325	149
Kilauea	3,014	976	Ko Olina	1,999	870
Koloa	2,231	753	Laie	5,963	1,010
Lawai	2,578	930	Maili	11,535	2,850
Lihue	8,004	2,972	Makaha	9,916	3,094
Omao	1,346	464	Makaha Valley	198	74
Pakala Village	286	98	Makakilo	19,877	6,021
Poipu	1,299	575	Maunawili	2,026	725
			Mililani Mauka	21,075	7,392
			Mililani Town	28,121	9,215

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**Table 1.12-- RESIDENT POPULATION AND NUMBER OF HOUSEHOLDS, BY ISLAND AND CENSUS DESIGNATED PLACE: 2020 -- Con.**

Island and 2020 place	Resident population	Households	Island and 2020 place	Resident population	Households
Oahu (con.)			Oahu (con.)		
Mokuleia	1,816	784	Waianae	13,614	3,356
Nanakuli	12,195	2,766	Waikele	7,509	2,899
Ocean Pointe	14,965	4,512	Waimalu	13,817	5,757
Pearl City	45,295	15,171	Waimanalo	6,057	1,501
Punaluu	1,374	414	Waimanalo Beach	4,823	1,164
Pupukea	5,130	1,694	Waipahu	43,485	9,743
Royal Kunia	14,896	4,112	Waipio	12,082	4,144
Schofield Barracks	14,904	3,194	Waipio Acres	5,531	1,933
Urban Honolulu	350,964	137,216	West Loch Estate	5,523	1,621
Wahiawa	18,658	5,997	Wheeler AFB	2,412	580
Waiahole-Waikane	728	202	Whitmore Village	4,887	1,142
Waialua	4,062	1,254			

1/ There are no Census Designated Places on Niihau.

Source: U.S. Census Bureau, 2020 Census Redistricting Data (P.L. 94-171) Summary File (September 2021)

<<https://data.census.gov>> accessed February 13, 2023.

**Table 1.13-- POPULATION AND PERCENTAGE CHANGE RANKINGS: 2020 AND 2022**

[Population and rankings for 2020 based on April 1 estimates base. Population and rankings for 2022 based on July 1 population estimates]

Comparison	2020		2022		Percent change, 2020-2022	
	Population	Ranking 1/	Population	Ranking 1/	Change	Ranking 1/
Among the 50 states and D.C. State of Hawaii	1,455,273	40	1,440,196	40	-1.0	45
Among counties 2/						
Hawaii County	200,631	340	206,315	340	2.8	497
Honolulu County	1,016,506	46	995,638	48	-2.1	2,687
Kalawao County	80	3,142	82	3,142	2.5	580
Kauai County	73,294	752	73,810	754	0.7	1,232
Maui County	164,762	406	164,351	414	-0.2	1,772
Among incorporated places 3/ Urban Honolulu CDP 4/	350,966	55	343,421	56	-2.1	663
Among MSAs 5/ Urban Honolulu MSA 6/ Kahului-Wailuku-Lahaina MSA 7/	1,016,506	54	995,638	56	-2.1	366
	164,762	261	164,351	262	-0.3	268
Among Micropolitans 8/ Hilo Micropolitan 9/ Kapaa Micropolitan 10/	200,631	2	206,315	2	2.8	52
	73,294	93	73,810	90	0.7	166

Continued on next page.

**Table 1.13-- POPULATION AND PERCENTAGE CHANGE RANKINGS: 2020 AND 2022 -- Con.**

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

2/ There were 3,143 counties in 2020.

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 796 incorporated places with a population of 50,000 or more in 2020.

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 2020.

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.

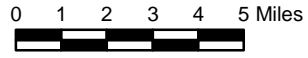
8/ Micropolitan statistical areas contains an urban core of at least 10,000 (but less than 50,000) population. There were 543 micropolitan statistical areas in 2020.

9/ Hilo Micropolitan consists of Hawaii County.

10/ Kapaa Micropolitan consists of Kauai County.

Source: U.S. Census Bureau, Population Division <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed May 22, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

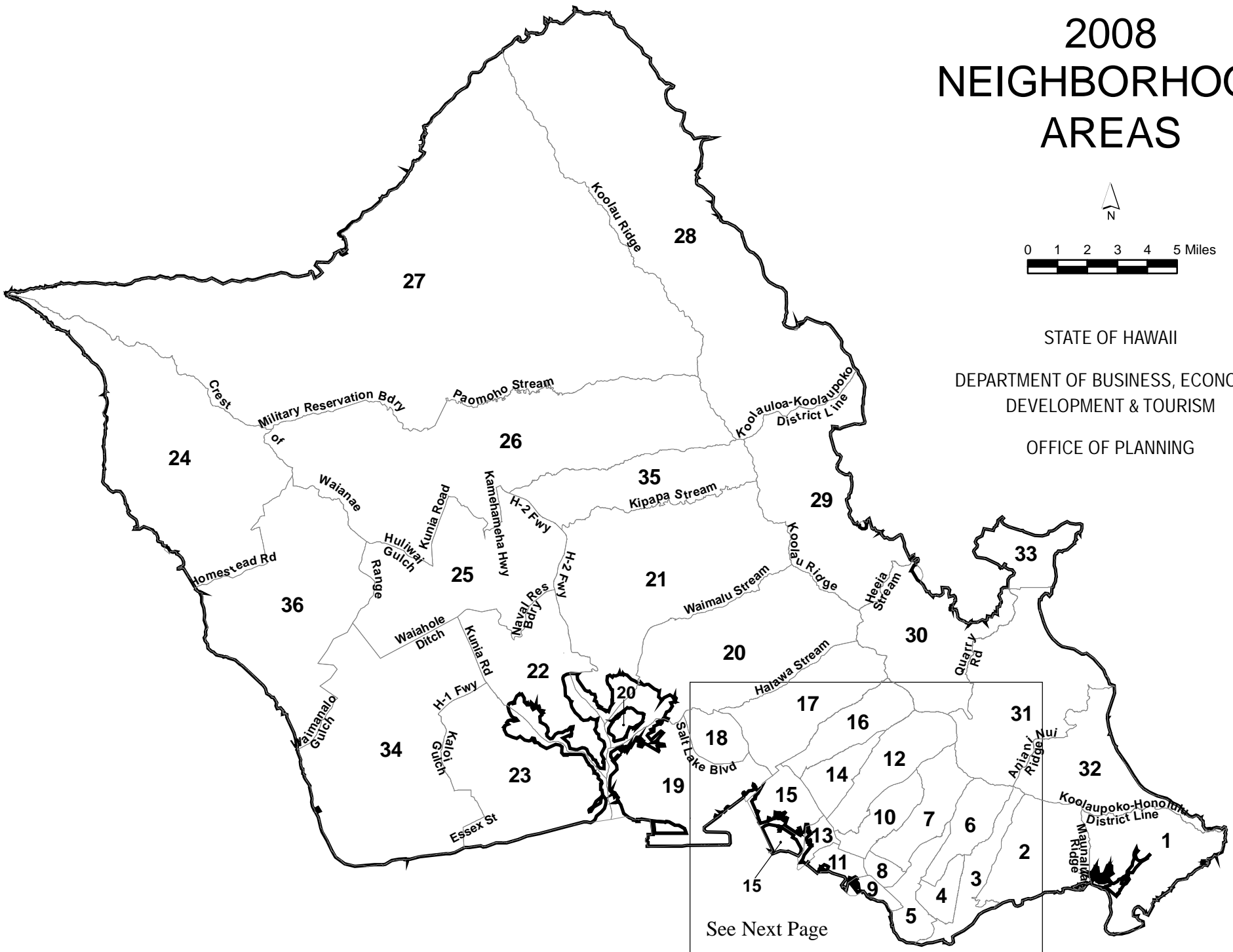
# 2008 NEIGHBORHOOD AREAS



STATE OF HAWAII

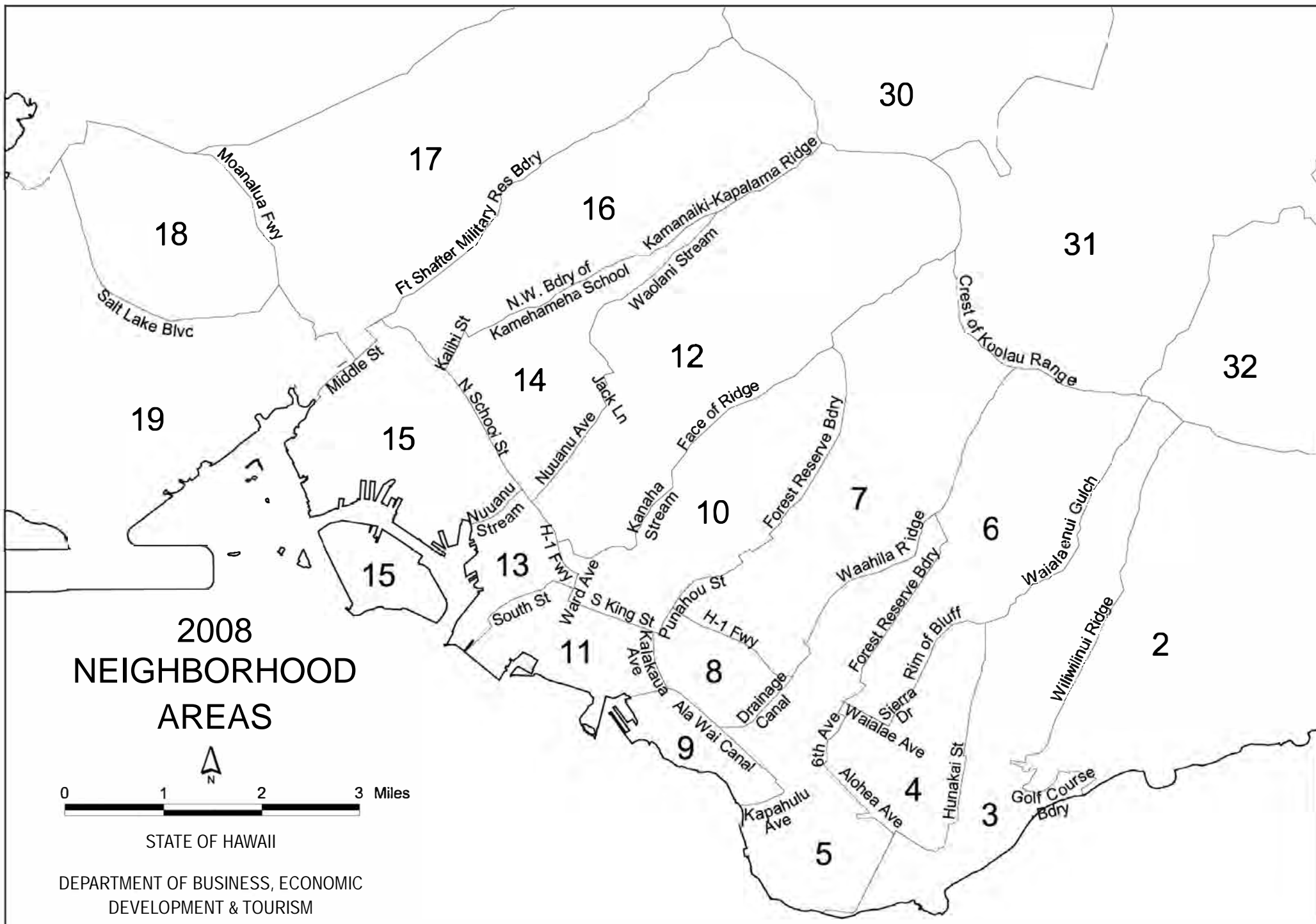
DEPARTMENT OF BUSINESS, ECONOMIC  
DEVELOPMENT & TOURISM

OFFICE OF PLANNING

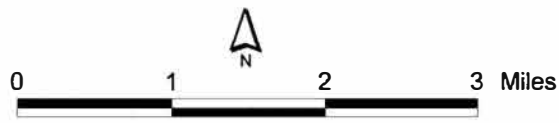


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Note: Neighborhood areas are approximations of Neighborhood Board boundaries as defined by the C&C of Honolulu, Dept. of Planning & Permitting.



**2008  
NEIGHBORHOOD  
AREAS**



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 1.14-- RESIDENT POPULATION FOR OAHU NEIGHBORHOODS:  
2010 AND 2020**

Neighborhood area 1/ (see maps)	2010 2/	2020 3/	Percent change
Oahu total	911,841	1,016,508	11.5
1 Hawaii Kai	29,814	31,147	4.5
2 Kuliouou-Kalani Iki	15,786	16,759	6.2
3 Waialae-Kahala	9,854	10,089	2.4
4 Kaimuki	18,491	19,259	4.2
5 Diamond Head-Kapahulu	17,598	20,575	16.9
6 Palolo	12,039	13,562	12.7
7 Manoa	21,114	20,349	-3.6
8 McCully-Moilili	25,734	26,712	3.8
9 Waikiki	20,095	20,470	1.9
10 Makiki-Tantalus	29,733	30,861	3.8
11 Ala Moana-Kakaako	19,014	29,953	57.5
12 Nuuanu-Punchbowl	16,303	16,958	4.0
13 Downtown-Chinatown	15,620	13,861	-11.3
14 Liliha/Alewa	19,766	22,023	11.4
15 Kalihi-Palama	38,113	43,043	12.9
16 Kalihi Valley	17,412	20,669	18.7
17 Moanalua	10,245	9,947	-2.9
18 Aliamanu-Salt Lake	35,969	34,384	-4.4
19 Airport	20,626	21,981	6.6
20 Aiea	29,104	44,325	52.3
21 Pearl City	47,879	36,938	-22.9
22 Waipahu	61,879	78,289	26.5
23 Ewa	59,877	80,331	34.2
24 Waianae Coast	43,420	27,096	-37.6
25 Mililani-Waipio	37,419	33,994	-9.2
26 Wahiawa	38,690	44,398	14.8
27 North Shore	17,724	18,872	6.5
28 Koolauloa	14,156	16,593	17.2
29 Kahaluu	13,891	15,287	10.0
30 Kaneohe	33,788	42,544	25.9
31 Kailua	43,876	42,897	-2.2
32 Waimanalo	11,141	11,064	-0.7
33 Mokapu	11,513	9,483	-17.6
34 Makakilo/Kapolei	35,697	47,125	32.0
35 Mililani Mauka/Launani Valley	18,461	19,777	7.1
36 Nanakuli-Maili	(4/)	24,893	(4/)

Continued on next page.



**Table 1.14-- RESIDENT POPULATION FOR OAHU NEIGHBORHOODS:  
2010 AND 2020 -- 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/ As of April 1, based on 2020 decennial census counts.

4/ Waianae Coast Neighborhood (Board No. 24) was amended on January 28, 2008 to provide for the creation of Nanakuli-Mailii 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](https://www.honolulu.gov/rep/site/nco/nco_docs/2013_RNP_Print.pdf)> accessed March 8, 2019, and Planning and Permitting Department, Planning Division, calculations and records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.15-- POPULATION CHARACTERISTICS OF OAHU NEIGHBORHOODS: 2017-2021**

[Based on the Census Bureau's 2017-2021 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 2017 and 2021]

Neighborhood area (see maps) 1/	Resident population	Households	Average household size	Average family size
Oahu total	1,015,167	330,393	2.96	3.70
1 Hawaii Kai	30,621	10,759	2.84	3.24
2 Kuliouou-Kalani Iki	16,897	5,534	3.03	3.44
3 Waialae-Kahala	9,025	3,547	2.52	3.03
4 Kaimuki	19,682	6,292	3.07	3.57
5 Diamond Head-Kapahulu	20,468	8,276	2.45	3.31
6 Palolo	13,271	4,330	3.03	3.88
7 Manoa	24,190	7,153	2.72	3.41
8 McCully-Moilili	26,740	12,517	2.08	3.14
9 Waikiki	18,936	11,520	1.64	2.64
10 Makiki-Tantalus	33,252	16,164	2.03	3.00
11 Ala Moana-Kakaako	26,338	13,788	1.90	2.61
12 Nuuanu-Punchbowl	16,147	6,032	2.64	3.51
13 Downtown-Chinatown	12,563	7,067	1.75	2.67
14 Liliha/Alewa	22,049	6,592	3.16	3.95
15 Kalihi-Palama	40,656	10,394	3.65	4.48
16 Kalihi Valley	20,629	4,358	4.66	5.25
17 Moanalua	9,521	3,124	2.89	3.58
18 Aliamanu-Salt Lake	38,592	12,308	3.10	3.75
19 Airport	23,724	6,252	3.09	3.43
20 Aiea	42,993	14,548	2.90	3.58
21 Pearl City	38,094	12,019	3.10	3.83
22 Waipahu	73,634	20,157	3.58	4.24
23 Ewa	81,658	21,944	3.71	4.15
24 Waianae Coast	26,085	7,265	3.45	4.38
25 Mililani-Waipio	33,592	11,362	2.96	3.48
26 Wahiawa	46,100	13,489	3.04	3.57
27 North Shore	17,789	6,086	2.90	3.66
28 Koolauloa	16,534	3,734	3.82	4.63
29 Kahaluu	15,616	4,889	3.18	3.70
30 Kaneohe	38,731	12,295	3.08	3.64
31 Kailua	43,234	13,751	3.08	3.59
32 Waimanalo	9,815	2,278	4.29	4.96
33 Mokapu	11,829	2,848	2.95	3.07

Continued on next page.

**Table 1.15-- POPULATION CHARACTERISTICS OF OAHU NEIGHBORHOODS:  
2017-2021 -- Con.**

<b>Neighborhood area (see maps) 1/</b>	<b>Resident population</b>	<b>Households</b>	<b>Average household size</b>	<b>Average family size</b>
34 Makakilo/Kapolei	49,630	14,919	3.28	3.70
35 Mililani Mauka/Launani Valley	19,788	6,641	2.98	3.46
36 Nanakuli-Mailii	26,744	6,161	4.20	4.76

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

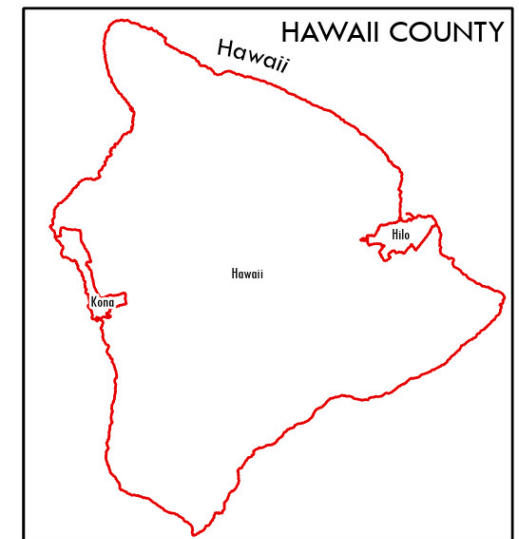
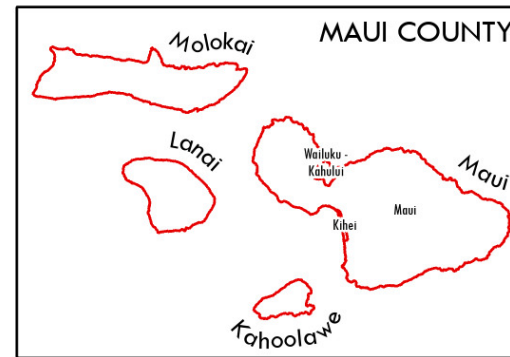
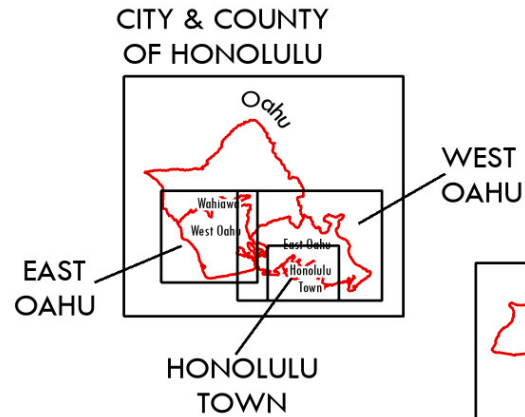
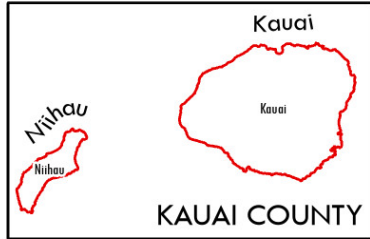
Source: City and County of Honolulu, *Neighborhood Plan 2008* (April 2013)

<[https://www.honolulu.gov/rep/site/nco/nco\\_docs/2013\\_RNP\\_Print.pdf](https://www.honolulu.gov/rep/site/nco/nco_docs/2013_RNP_Print.pdf)> accessed March 8, 2019, and Planning and Permitting Department, Planning Division, calculations and records.

# 2020 CENSUS TRACTS

STATE OF HAWAII

MAP INDEX



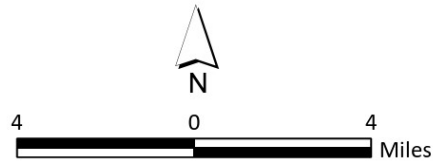
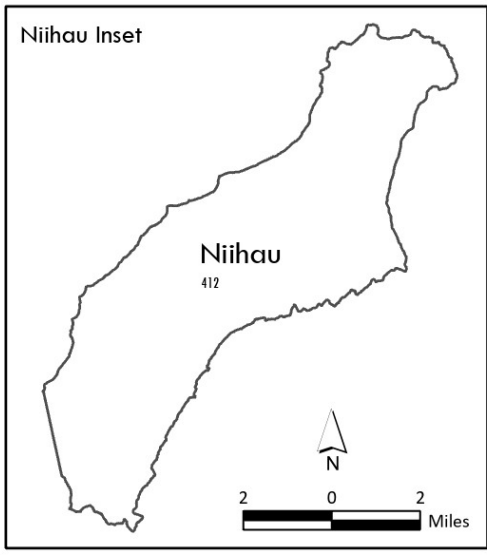
This map was produced by the Office of Planning & Sustainable Development, Hawaii Statewide GIS Program for planning purposes only. It should not be used for boundary interpretations or other spatial analysis beyond the limitations of the data. Information regarding compilation dates and accuracy of the data presented can be obtained from OPSD.

Map No: SR2022\_30 20220323 - 1 CC  
Map Date: March 23, 2022  
Sources: U.S. Census Bureau, 2020



# 2020 CENSUS TRACTS

## KAUAI COUNTY



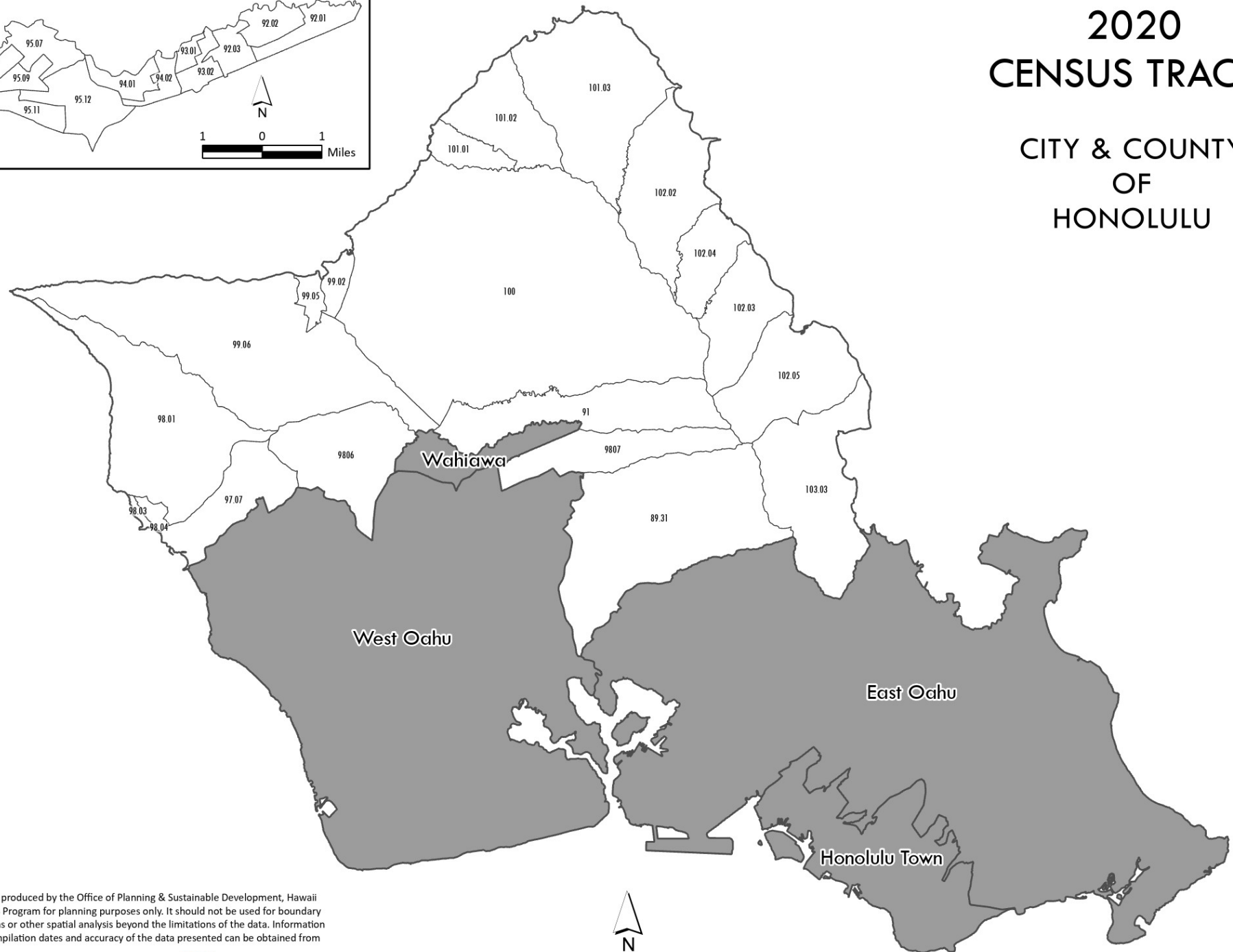
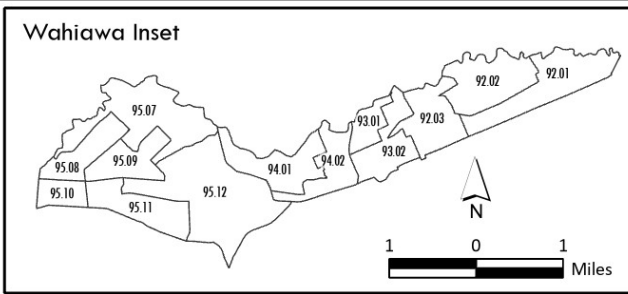
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Map No: SR2022\_30 20220323 - KA CC  
Map Date: March 23, 2022  
Sources: U.S. Census Bureau, 2020



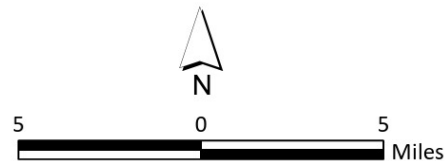
# 2020 CENSUS TRACTS

CITY & COUNTY  
OF  
HONOLULU



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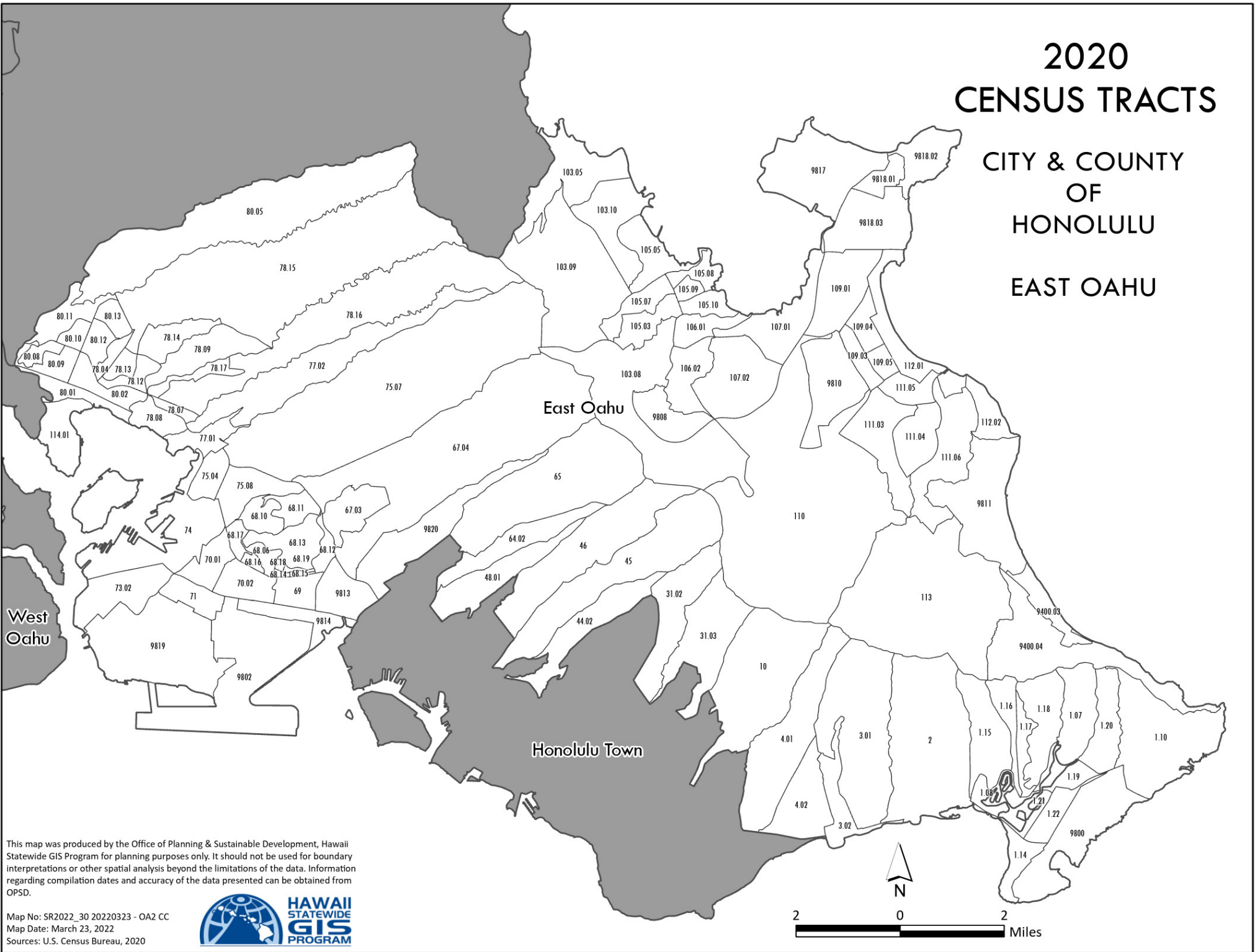
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Map Date: March 23, 2022  
Sources: U.S. Census Bureau, 2020



# 2020 CENSUS TRACTS

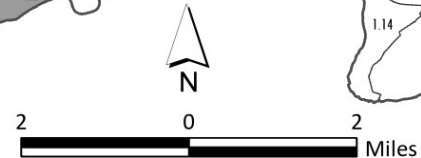
CITY & COUNTY OF  
HONOLULU

EAST OAHU



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Map No: SR2022\_30 20220323 - OA2 CC  
Map Date: March 23, 2022  
Sources: U.S. Census Bureau, 2020

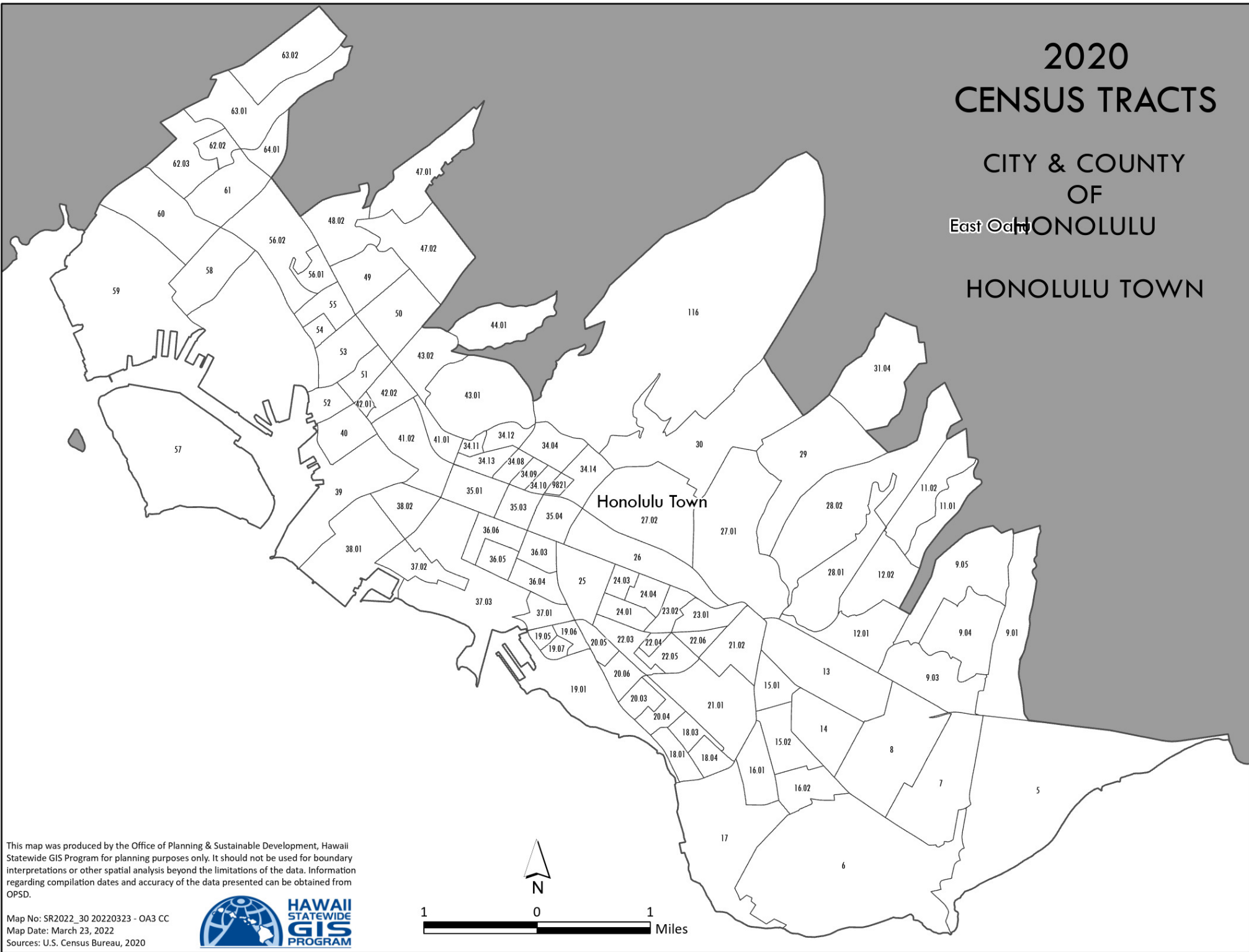


# 2020 CENSUS TRACTS

CITY & COUNTY  
OF

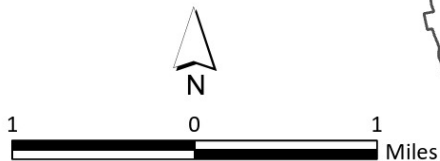
East Oahu

## HONOLULU TOWN



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Map No: SR2022\_30 20220323 - OA3 CC  
Map Date: March 23, 2022  
Sources: U.S. Census Bureau, 2020





# 2020 CENSUS TRACTS

CITY & COUNTY  
OF  
HONOLULU

WEST OAHU

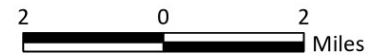
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Wahiawa

West Oahu

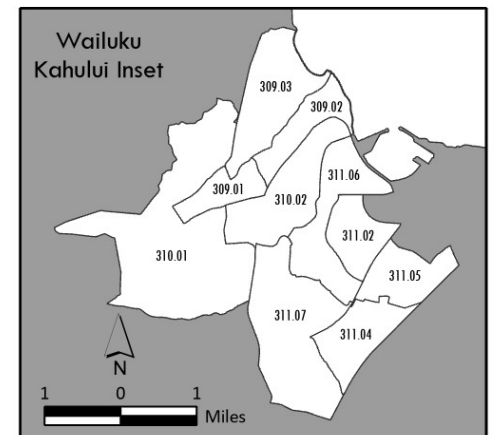
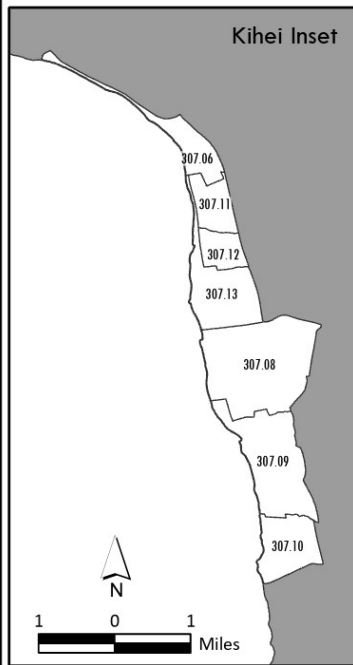
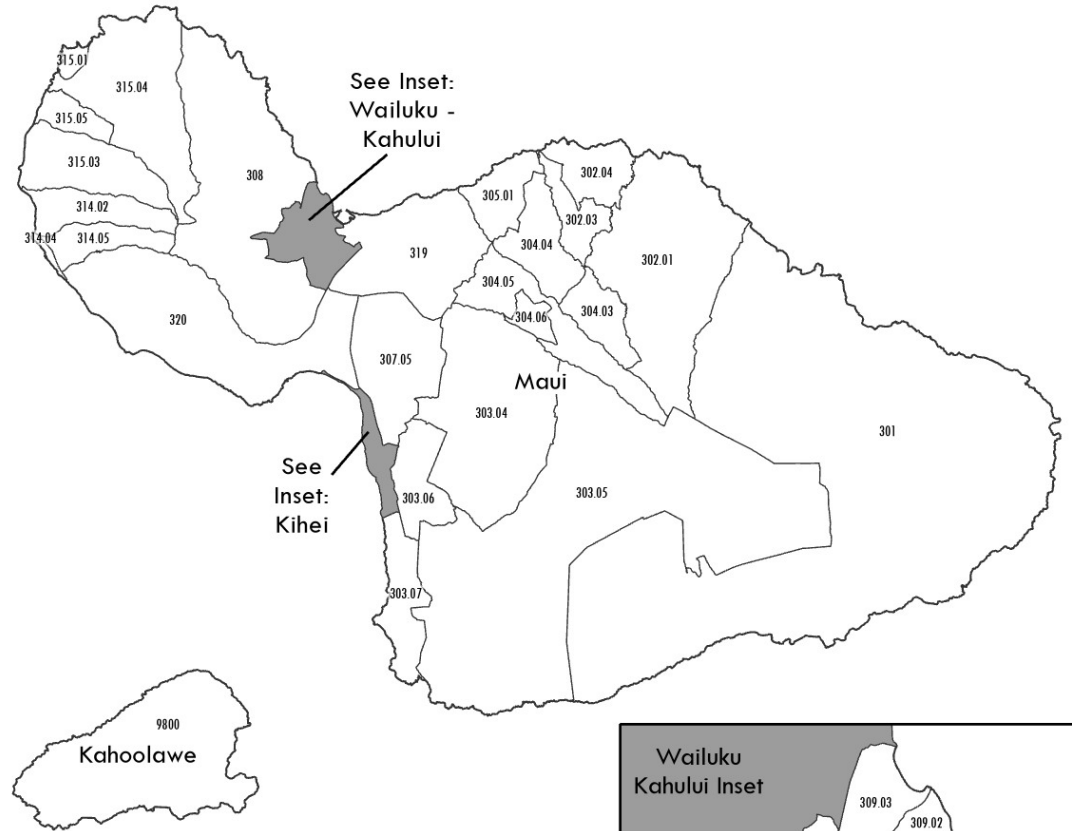
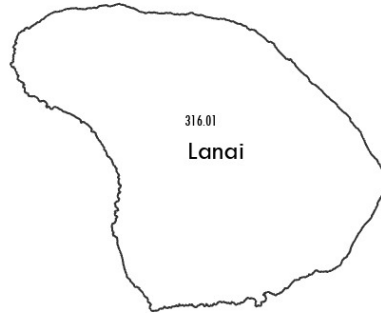
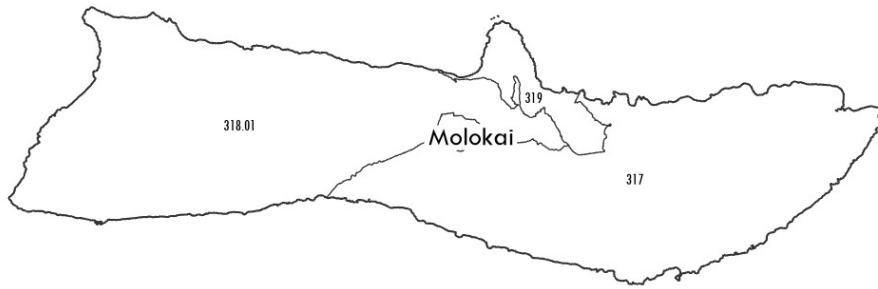
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Map No: SR2022\_30 20220323 - OA4 CC  
Map Date: March 23, 2022  
Sources: U.S. Census Bureau, 2020



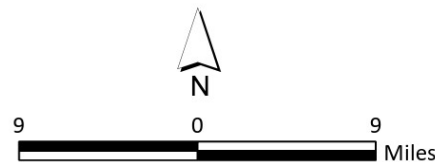
# 2020 CENSUS TRACTS

## MAUI COUNTY



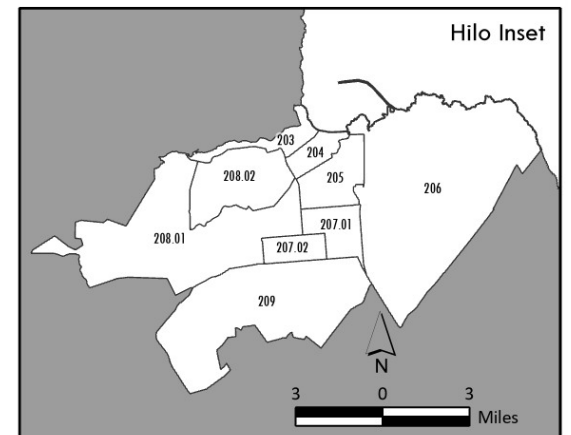
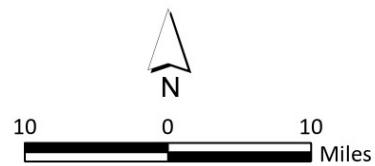
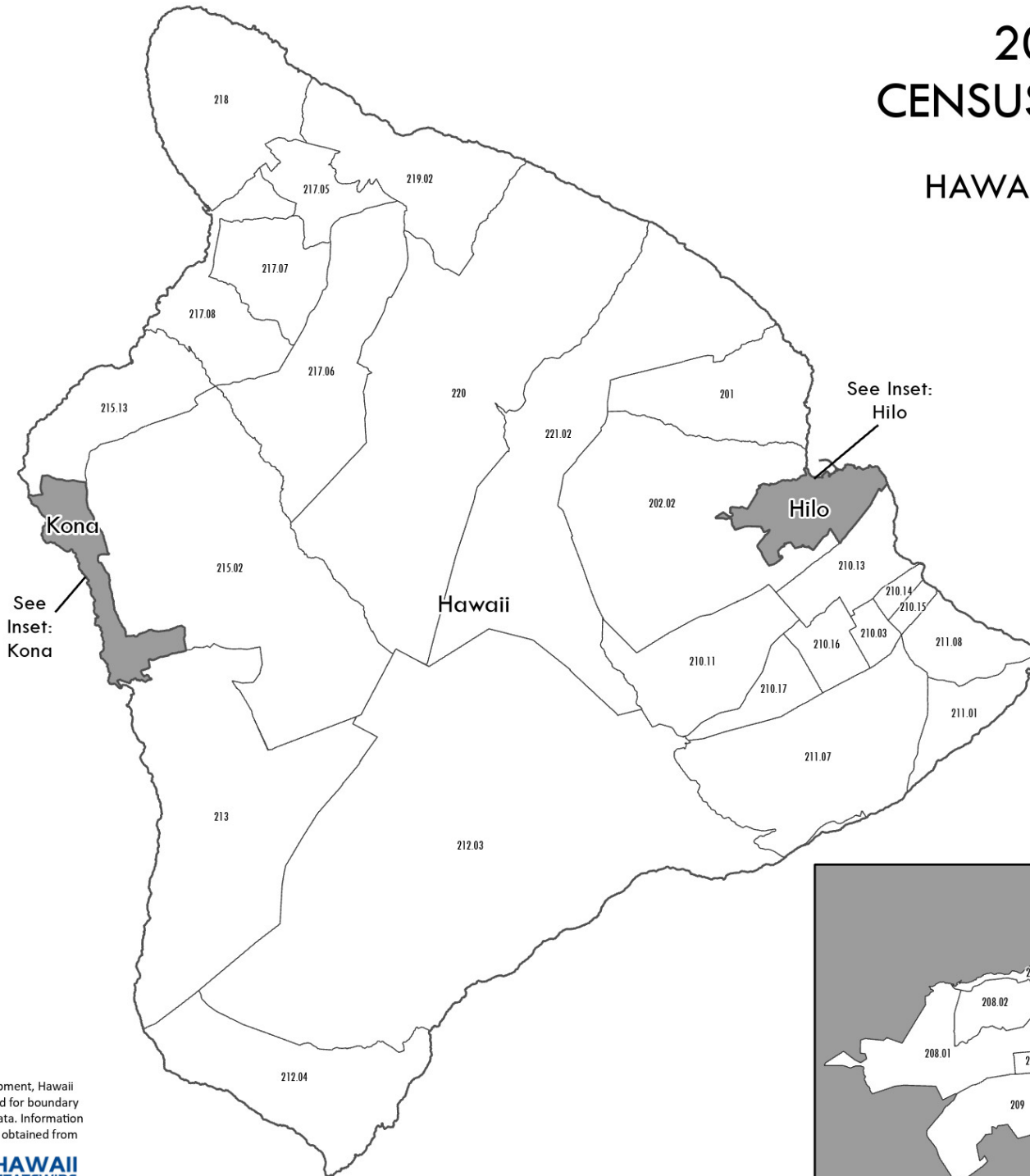
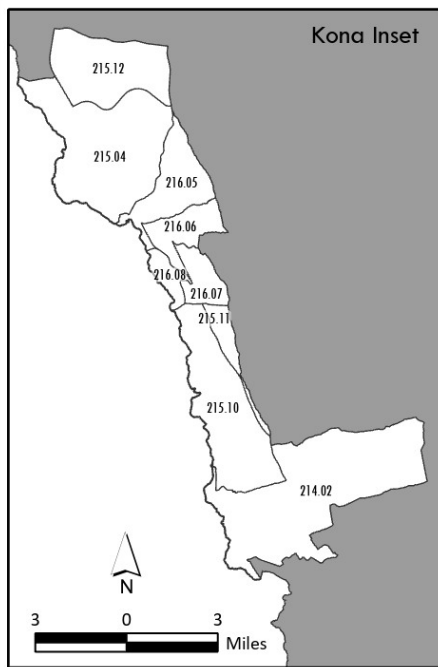
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Map No: SR2022\_30 20220323 - MA CC  
 Map Date: March 23, 2022  
 Sources: U.S. Census Bureau, 2020



# 2020 CENSUS TRACTS

## HAWAII COUNTY



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Map No: SR2022\_30 20220323 - HA CC  
Map Date: March 23, 2022  
Sources: U.S. Census Bureau, 2020



**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
State total		1,455,271	490,267
Northwestern Hawaiian Islands		-	-
9812	Northwestern Hawaiian Islands	-	-
Niihau and Kaula		84	18
412	Niihau-Kaula	84	18
Kauai		73,214	24,694
401.04	Haena-Hanalei	1,557	564
401.05	Kalihiwai-Kilauea	4,393	1,466
401.06	Princeville	2,157	969
402.04	Wailua Houselots	5,735	2,044
402.05	Wailua Homesteads	4,069	1,525
403.01	Kapahi	6,843	2,089
403.02	Kapaa Town	2,127	779
404.01	Lihue-Kukui Grove Mall	7,324	2,035
404.02	Hanamaulu-Lower Puhi	3,158	1,025
405	Lihue	6,455	2,365
406.03	Koloa-Poipu	2,936	1,077
406.04	Omao-Kukuiula	3,538	1,299
407.01	South Kalaheo-Elementary	2,704	945
407.02	Kalaheo-Kalawai Park	6,315	2,145
408	Kaumakani-Hanapepe	3,769	1,164
409	Kekaha-Waimea	5,971	1,910
9400	Anahola	4,163	1,293
Oahu		1,016,508	336,412
1.07	Kuapa Isle	2,740	924
1.08	Hawaii Kai Marina	3,213	1,271
1.10	Kalama Valley	4,254	1,480
1.14	Portlock	1,726	591
1.15	Hahaione Valley Neighborhood Park	2,774	1,002
1.16	Kuapa Preschool	2,500	1,118
1.17	Mariner's Ridge	1,464	558
1.18	Hawaii Kai Drive	1,771	633
1.19	Kalanipuu	2,195	695
1.20	Kamilo Iki Neighborhood Park	2,624	883
1.21	Kuapa Pond	2,774	1,131
1.22	Kaiser High School	3,112	1,037
2	Kuliouou	5,745	1,966

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
3.01	Aina Haina-Hawaii Loa Ridge	3,608	1,291
3.02	Wailupe	2,702	956
4.01	Waialae Nui Ridge-Ainakoa	2,758	1,031
4.02	Waialae Iki	4,147	1,507
5	Waialae-Kahala	3,872	1,449
6	Diamond Head	1,276	480
7	Kaimuki: 22nd Avenue	3,215	1,070
8	Kaimuki: Kapiolani Community College	3,770	1,316
9.01	Waialae Nui Valley	2,622	902
9.03	Lower Wilhelmina	3,039	1,123
9.04	Mauumae Nature Park	1,975	739
9.05	Maunalani Community Park	2,357	847
10	Upper Palolo	3,145	1,084
11.01	Palolo Elementary	1,961	562
11.02	Palolo Valley District Park	2,249	657
12.01	Waialae Avenue-Pukele Avenue	3,022	1,091
12.02	Lower Palolo	3,254	1,087
13	Kaimuki: 6th Avenue	4,437	1,555
14	Kapaolono Field	2,655	944
15.01	Kapahulu: 4th Avenue	1,473	508
15.02	Kapahulu Center	2,334	820
16.01	Kanaina Avenue	1,981	772
16.02	Fort Ruger Market	1,784	625
17	Kapiolani Park	2,333	1,190
18.01	Koa Avenue	1,119	593
18.03	Tusitala Street	2,911	1,761
18.04	Jefferson School	1,785	1,001
19.01	Waikiki Beach	423	298
19.05	Waikiki Marina Tower	1,377	814
19.06	Eaton Square	2,877	1,623
19.07	Wailana at Waikiki	2,546	1,486
20.03	Seaside Avenue	2,126	1,335
20.04	International Market Place	1,140	699
20.05	Ala Wai-Niu Street	1,899	1,093
20.06	Ala Wai-Olohana Street	2,267	1,250
21.01	Ala Wai Golf Course	1,746	845
21.02	Kaimuki High School	1,839	776
22.03	Ala Wai Community Park	1,836	880
22.04	Ala Wai Skyrise	1,308	687
22.05	Iolani School	1,888	952

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
22.06	Mahiai Street	1,961	879
23.01	Kuhio Elementary School	3,293	1,585
23.02	Moilili Hongwanji Mission	2,087	983
24.01	Lower McCully	2,912	1,328
24.03	McCully-Moilili Public Library	1,567	767
24.04	Old Stadium Park	1,423	754
25	Lower Pawaa	3,941	1,918
26	Bingham Tract	4,174	1,886
27.01	UH Manoa Campus	4,078	805
27.02	Punahou School	4,705	2,055
28.01	Chaminade University	1,778	628
28.02	Kalaepohaku Park	2,353	903
29	East Manoa	2,251	822
30	Judd Hillside-Lowrey Avenue	4,305	1,596
31.02	Upper Manoa	3,345	1,198
31.03	Waiakeakua Stream	1,567	600
31.04	Woodlawn Drive-Alani Drive	2,175	814
34.04	Makiki Fire Station	4,517	2,164
34.08	Davenport Street	2,256	1,166
34.09	Wilder Avenue-Liholiho Street	1,901	970
34.10	Wilder Avenue-Kewalo Street	1,482	660
34.11	Prospect Tower	1,231	622
34.12	Makiki Cemetery	1,618	868
34.13	Hawaiian Mission Academy HS Campus	2,532	1,237
34.14	Punahou Square Park	4,118	2,229
35.01	Academy of Arts	2,286	1,278
35.03	Piikoi Street-South Beterania Street	1,500	698
35.04	Shriner's Hospital for Children	2,712	1,460
36.03	Ahana Street	3,181	1,862
36.04	Kaheka Street-Makaloa Street	2,554	1,399
36.05	Sheridan Street-Makaloa Street	1,036	507
36.06	Sheridan Community Park	3,058	1,465
37.01	Hawaii Convention Center	2,522	1,371
37.02	Ward Village Shops	3,929	1,907
37.03	Ala Moana Shopping Center	3,457	1,682
38.01	Kakaako Waterfront Park	4,909	2,580
38.02	Kapiolani Boulevard-Cooke Street	5,114	2,628
39	Civic Center	559	255
40	Financial District	1,627	902
41.01	Dole Community Park	1,618	801

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
41.02	The Queen's Medical Center	2,438	1,356
42.01	Kukui Plaza	1,602	888
42.02	Central Middle School	1,922	1,075
43.01	Punchbowl Cemetery	2,273	1,020
43.02	Kawananakoa Middle School	3,313	1,326
44.01	Pauoa Elementary School	2,536	913
44.02	Upper Pauoa Stream	2,550	737
45	Dowsett Highlands	5,360	2,313
46	Puunui-Waokanaka Street	3,883	1,308
47.01	Alewa Heights	2,305	796
47.02	St Francis Medical Center	2,477	853
48.01	Kamehameha Schools	3,079	838
48.02	Puukamalii Cemetery	3,873	1,027
49	Lanakila	3,351	1,029
50	Kuakini	4,106	1,530
51	Foster Botanical Garden	2,905	1,483
52	Chinatown	3,001	1,403
53	Aala	4,302	1,478
54	Mayor Wright Housing	1,545	377
55	Palama	2,157	620
56.01	Likelike Elementary School	1,808	703
56.02	Farrington High School	5,124	1,251
57	Iwilei-Anuenue	2,483	1,030
58	Waiakamilo Road	3,322	1,020
59	Mokauea Street	2,994	635
60	Umi Street	5,661	1,323
61	Kalihi Waena	4,517	941
62.02	Linapuni Street	2,705	588
62.03	Fern Elementary School	6,425	1,500
63.01	Kalihi Valley Park	4,068	948
63.02	Kalena Drive	3,152	672
64.01	Gulick Avenue-Likelike	2,362	461
64.02	Kamanaiki Street	6,393	1,613
65	Upper Kalihi Valley	4,694	1,113
67.03	Tripler Hospital	1,725	478
67.04	Moanalua Valley	7,162	2,804
68.06	Ala Lilikoi	1,758	566
68.10	Aliamanu Makai	2,374	652
68.11	Aliamanu Mauka	1,047	256
68.12	Moanalua High School	1,363	567

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
68.13	Honolulu Country Club	4,680	1,987
68.14	Ala Ilima Street-Ala Lilikoi Street	2,442	892
68.15	Ala Ilima Street-Ala Napuaa Place	2,165	935
68.16	Likini Street-Aila Street	2,411	573
68.17	Likini Street-Maluna Street	4,809	1,144
68.18	Hoaloa Neighborhood Park	1,695	761
68.19	Likini Street-Ala Nani Street	2,646	1,203
69	Arizona Road	3,879	1,050
70.01	Navy Exchange Mall	1,565	618
70.02	Aliamanu Middle & Elementary School	2,163	696
71	Nimitz Elementary School	3,060	851
73.02	Hangar Avenue-Vickers Avenue	4,172	1,369
74	Ford Island	7,651	1,050
75.04	Aloha Stadium	3,372	921
75.07	Camp H.M. Smith	6,626	1,769
75.08	Stadium Mall	6,994	2,195
77.01	Lower Aiea	4,921	1,319
77.02	Aiea Heights	5,487	1,832
78.04	Lower Pearl City	2,005	660
78.07	Pearl Ridge High Rise	5,292	2,697
78.08	Pearlridge Center	3,459	1,201
78.09	Newtown	3,384	1,192
78.12	Newtown Neighborhood Park	2,164	836
78.13	Waiiau Elementary School	2,880	906
78.14	Nahele Neighborhood Park	3,416	1,250
78.15	Pearl City High School	2,034	723
78.16	Kaonohi Street	3,443	1,353
78.17	Pono Street	1,631	507
80.01	Hale Mohalu Hospital	2,664	955
80.02	Lower Waiiau	2,897	889
80.05	Pacific Palisades	6,997	2,148
80.08	Manana Housing	1,655	501
80.09	Pearl Highlands Center	2,760	1,185
80.10	Waimano Home Road-Hoomoana Street	2,439	750
80.11	Manana Elementary School	2,697	820
80.12	Pearl City Highlands Elementary School	2,933	886
80.13	Waimano Home Road-Komo Mai Drive	2,634	861
83.01	Iroquois Point	4,553	1,306
83.02	Campbell High School	7,253	1,528
84.05	Holomua School	4,988	1,283

Continued on next page.



**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
84.07	Ocean Pointe	3,778	1,113
84.08	Hoakalei Country Club	9,057	2,807
84.10	Coral Creek Golf Course	6,931	1,945
84.11	Geiger Road	3,609	1,192
84.13	Puuloa Neighborhood Park	3,400	694
84.14	Keanui Drive-Hoomahana Street	2,168	571
84.15	Hoalauna Community Park	4,275	1,094
84.16	Kolowaka Drive-Koka Street	2,217	722
84.17	Kolowaka Drive-Fort Weaver Road	3,661	1,358
84.18	Ewa Beach Park	5,762	1,432
85.02	Kalaeloa	2,364	693
86.09	Ko Olina-Honokai Hale	2,179	703
86.10	Ko Olina Resort	1,240	520
86.11	Kahe	62	1
86.23	UH West Oahu	4,408	1,172
86.24	Fort Weaver Road-Aawa Drive	3,069	866
86.25	Fort Weaver Road-Renton Road	4,032	1,058
86.26	Ewa Villages Golf Course	3,973	1,058
86.27	Honouliuli National Historic Site	9,793	2,715
86.28	The Villas at Aeloa	3,847	1,136
86.29	Kekuilani Loop	2,110	637
86.30	Makakilo Community Park	2,779	858
86.31	Makakilo Heights Neighborhood Park	3,226	1,103
86.32	Makakilo Elementary School	5,317	1,397
86.33	Maukalani Neighborhood Park	2,726	866
86.34	Panana Street-Hame Street	2,800	927
87.02	St. Joseph School	6,490	1,727
87.04	Waipahu High School	3,331	783
87.05	Waipahu Intermediate School	3,250	790
87.06	Kapapapuhi Point Park	3,650	943
87.07	Waipahu District Park	6,985	1,366
88.01	Paiwa Street-Hiapo Street	4,056	835
88.02	Waipahu Uka Neighborhood Park	5,304	1,203
89.06	Mililani Golf Course	4,026	1,350
89.09	Mililani District Park	3,820	1,305
89.12	August Ahrens School	3,103	631
89.13	Robinson Heights	5,128	1,022
89.17	Mililani Town Center	4,579	1,553
89.18	Mililani: Nob Hill	5,529	1,775
89.21	Waipio	3,121	697

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
89.26	Laulani Valley-Miilani Technology Park	1,742	721
89.28	Miilani Mauka Middle School	4,102	1,318
89.29	Miilani Mauka-Meheula Parkway	4,906	2,057
89.30	Miilani: Ainamakua Drive	2,416	838
89.31	Waiawa Prison	3,224	826
89.32	Kamaio Neighborhood Park	2,645	840
89.33	Kealohi Neighborhood Park	3,223	1,058
89.34	Royal Kunia Golf Course	3,526	1,038
89.35	Kupuohi Neighborhood Park	3,931	1,161
89.36	Kaleiopuu Elementary School	3,275	862
89.37	Farrington Highway-Leoku Street	1,737	475
89.38	Pacific Supermarket	3,242	759
89.39	Melemanu Neighborhood Park	2,595	1,090
89.40	Waimakua Drive-Wailawa Street	2,936	843
89.41	Miilani Waena Elementary School	1,934	602
89.42	Miilani Shopping Center	2,370	733
89.43	Meheu Street	1,372	428
89.44	Koolani Drive-Hoolu Street	3,517	1,204
89.45	Ka Uka Boulevard-Moaniani Street	1,436	501
89.46	Waipio Uka Street-Mohalu Street	2,910	1,115
89.47	Ka Uka Boulevard-Ukee Street	1,846	726
89.48	Kanoelani Elementary School	2,839	1,116
89.49	Waikele Country Club	1,540	589
89.50	Kunia Neighborhood Park	2,068	529
89.51	Kupuna Loop-Kaaka Street	2,101	524
89.52	Patsy T. Mink Central Oahu Regional Park	6,000	2,323
90	Wheeler-East Range	2,412	580
91	Kaukonahua Road	5,684	1,321
92.01	Iliahi Elementary School	3,423	1,020
92.02	Peterson's Upland Farm	2,762	826
92.03	Leilehua High School	2,260	720
93.01	Wahiawa General Hospital	1,575	467
93.02	Wahiawa District Park	3,324	1,103
94.01	Kaala Elementary School	1,471	562
94.02	Medical Arts Clinic Wahiawa	3,843	1,299
95.07	Schofield: McCarthy Field	2,734	340
95.08	Carpenter Street-Henderson Loop	991	331
95.09	Hewitt Street-Parrish Street	2,643	735
95.10	Hendrich Street-Kolekole Avenue	1,255	394
95.11	Solomon Elementary School	2,546	819

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
95.12	Waianae Avenue	4,735	575
96.08	Lualualei Transmitter	5,664	1,351
96.09	Maili Hawaiian Homeland	5,070	1,381
96.10	Maili Beach Park	7,105	1,651
97.04	Lualualei: Halona Road	3,553	743
97.05	Lualualei Beach Park	3,640	968
97.06	Kaupuni Neighborhood Park	3,196	724
97.07	Waianae Valley Road	6,575	1,767
98.01	Makua Valley	3,805	1,123
98.03	Lahilahi Point	2,825	767
98.04	Makaha Elementary School	3,660	916
99.02	Haleiwa	3,998	1,217
99.05	Waialua District Park	3,879	1,182
99.06	Mokuleia	1,921	822
100	Kawailoa	3,768	1,265
101.01	Pupukea	2,892	990
101.02	Sunset Beach	2,414	770
101.03	Turtle Bay	3,292	819
102.02	Laie	7,391	1,352
102.03	Punaluu	1,381	416
102.04	Hauula	2,836	681
102.05	Kaaawa	1,693	556
103.03	Kahaluu-Waikane	5,036	1,479
103.05	Ahuimanu	5,356	1,704
103.08	Kapunahala	3,427	1,110
103.09	Valley of the Temples Memorial Park	3,897	1,316
103.10	Heeia State Park	2,497	866
105.03	Kaneohe District Park	2,263	593
105.05	Heeia Kea	3,527	1,190
105.07	Kahuhipa Street	5,510	1,895
105.08	Lilipuna Road	2,748	1,091
105.09	Kamehameha Highway-Lilipuna Road	2,087	598
105.10	Kaneohe Civic Center Neighborhood Park	3,273	942
106.01	Puohala	3,921	1,190
106.02	Castle High School-Halekou Road	5,986	1,835
107.01	Kokokahi	4,397	1,500
107.02	Mokulele Drive	3,832	1,233
109.01	Kalaheo Hillside	3,256	1,114
109.03	Oneawa Street-Kawainui	4,157	1,480
109.04	Maluniu Avenue	3,803	1,185

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Oahu (con.)			
109.05	Ulupaina Street	2,630	943
110	Maunawili	3,697	1,231
111.03	Olomana	4,212	1,300
111.04	Enchanted Lakes	5,089	1,657
111.05	Kailua Town	3,664	1,612
111.06	Keolu	6,143	2,034
112.01	Kalaheo Avenue	4,611	1,671
112.02	Lanikai	1,676	675
113	Waimanalo	6,057	1,501
114.01	Lehua Community Park	1,759	616
115	Kapolei	11,046	3,431
116	Tantalus	2,023	743
9400.03	Waimanalo Bay Beach Park	2,509	615
9400.04	Makapuu Point	2,331	549
9400.05	Nanakuli High & Intermediate School	2,367	496
9400.06	Nanakuli Beach Park	2,446	533
9400.07	Pacific Shopping Mall	2,059	481
9802	Honolulu International Airport	304	1
9803	Campbell Industrial Park	16	3
9806	Schofield Forest Reserve	9	-
9808	Hoomaluhia Botanical Garden	3	1
9810	Kawainui Marsh	30	5
9811	Bellows Air Force Base	167	9
9813	Mapunapuna Industrial	252	67
9814	Nimitz-Airport Commercial	96	32
9817	Kaneohe Klipper Golf Course	2,841	556
9818.01	Marine Corps Exchange	2,402	711
9818.02	Mokapu Point	948	274
9818.03	Nuupia Ponds	3,292	371
9819	Malama Bay Golf Course	349	9
9820	Fort Shafter	1,060	203
9821	Makiki District Park	1	-
9822	Waipio Peninsula	31	1
Molokai		7,369	2,566
317	East Molokai	4,441	1,618
318.01	West Molokai	2,846	889
319	Kalawao	82	59

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Lanai		3,367	1,187
316.01	Lanai	3,367	1,187
Maui		154,100	52,369
301	Hana	2,719	894
302.01	Huelo	2,764	1,045
302.03	West Haiku	4,334	1,572
302.04	East Haiku	3,558	1,298
303.04	Kula West	3,269	1,081
303.05	Lava Fields	5,810	2,336
303.06	Kula Makai	2,243	1,023
303.07	La Perouse Bay	1,542	744
304.03	Makawao	3,522	1,237
304.04	Haliimaile	5,562	1,904
304.05	Kamehameha School	1,850	641
304.06	Aapueo Parkway	7,490	2,687
305.01	Paia	2,493	909
307.05	Kihei Mauka	4,566	1,323
307.06	Kealia	2,472	995
307.08	Halama	3,157	1,267
307.09	Kamaole	3,434	1,627
307.10	Keawakapu	2,403	1,088
307.11	Kaonoulu St.	2,438	981
307.12	Kulanihakoi St.	1,990	775
307.13	West Waipuilani Rd.	3,366	1,219
308	Waihee-Waikapu	7,413	2,185
309.01	West Central Wailuku	2,848	1,037
309.02	East Central Wailuku	3,428	1,208
309.03	North Wailuku	6,505	1,717
310.01	Kamaile St.	6,473	2,243
310.02	Liholiho St.	4,162	1,603
311.02	Central Kahului	5,865	1,640
311.04	Maui Lani Parkway - Kuihelani Highway, North	2,144	596
311.05	West Papa Ave.	6,446	1,642
311.06	Keopuolani Park	6,002	1,751
311.07	Maui Lani Parkway - Kuihelani Highway, South	2,079	464
314.02	Kahoma	3,208	883
314.04	Lahaina	3,223	1,257
314.05	Lahainaluna	6,280	1,451
315.01	Kapalua	2,367	772
315.03	Honokowai	2,544	1,111

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Maui (con.)			
315.04	Honokohau Stream	1,202	482
315.05	Kahana Stream	3,541	1,520
319	Spreckelsville	6,276	1,690
320	Launiupoko	1,112	471
Hawaii		200,629	73,021
201	Paukaa-Wailea	5,433	1,986
202.02	Hilo: Upper Waiakea Forest Reserve	2,035	630
203	Hilo: Puueo-Downtown	3,822	1,570
204	Hilo: Villa Franca-Kaikoo	3,517	1,395
205	Hilo: University-Houselots	5,944	2,125
206	Hilo: Keaukaha-Panaewa	5,631	1,849
207.01	Hilo: Puainako	4,811	1,789
207.02	Hilo: Kawaiiani	4,647	1,731
208.01	Hilo: Kahuku-Kaumana	4,365	1,537
208.02	Hilo: Piihonua-Kaumana	6,544	2,417
209	Hilo: Haihai	4,802	1,679
210.03	Orchidland-Ainaloa	7,423	2,631
210.11	Volcano-Mt. View	4,388	1,671
210.13	Keaau	4,820	1,651
210.14	Hawaiian Paradise Park- Kaloli	8,402	2,819
210.15	Hawaiian Paradise Park- Maku'u	6,080	2,175
210.16	Kea'au- Hawaiian Acres	5,525	2,177
210.17	Kea'au- Fern Forest	4,572	1,930
211.01	Kalapana-Kapoho	2,793	1,264
211.07	Kilauea- Paho	1,365	530
211.08	Paho- Makai	6,336	2,373
212.03	Kau	6,111	2,395
212.04	Ka Lae	2,868	1,126
213	South Kona	5,913	2,133
214.02	Konawaena	3,876	1,357
215.02	Hualalai	5,432	1,863
215.04	Kealakehe	5,932	1,765
215.10	Kaumalumalu-Keahou	3,550	1,428
215.11	Kahalu'u Mauka	1,568	557
215.12	Kaloko- O'oma	4,531	1,666
215.13	Kalaoa	6,109	2,045
216.05	Kailua	3,787	1,530
216.06	Pua'a	4,120	1,494
216.07	Holualoa	4,452	1,656

Continued on next page.

**Table 1.16-- RESIDENT POPULATION AND HOUSEHOLDS, BY ISLAND AND CENSUS TRACT: 2020 -- Con.**

<b>Island and 2020 census tract</b>	<b>Name</b>	<b>Resident population</b>	<b>Households</b>
Hawaii (con.)			
216.08	Puapua'a- Banyans	3,832	1,590
217.05	Waimea - Kohala	6,366	2,241
217.06	Waimea - Pu'u Anahulu	3,795	1,257
217.07	Waikoloa - South Kohala	4,997	1,705
217.08	Kawaihae - Anaeho'omalu	4,152	1,793
218	North Kohala	6,979	2,445
219.02	Honokaa-Kukuihaele	4,212	1,359
220	Paaupuu-Paauilo	2,678	922
221.02	North Hilo	2,114	765

Source: U.S. Census Bureau, 2020 Census Redistricting Data (P.L. 94-171) Summary File <<https://data.census.gov>> accessed February 17, 2023.

**Table 1.17-- RESIDENT POPULATION OF HAWAIIAN HOME LANDS,  
BY ISLAND: 2020**

<b>Island and Hawaiian Home Lands</b>	<b>Total</b>	<b>Island and Hawaiian Home Lands</b>	<b>Total</b>
State of Hawaii	34,356	Kauai	2,576
		Anahola (Agricultural)	228
Hawaii	6,269	Anahola (Residential)	1,659
Homoula-Upper Piihonua	2	Hanapepe	35
Honokaia	5	Kapaa	-
Honomu	-	Kekaha	491
Kamaoa-Puueo	6	Moloaa	13
Kamoku-Kapulena	55	Wailua	150
Kaohe-Olaa	-	Waimea	-
Kaumana	119		
Kawaihae	500	Lanai	117
Keahuolu	-	Lanai City	117
Kealakehe	990		
Keaukaha	1,617	Maui	3,980
Keoniki	17	Honokowai	2
Kolaoa	-	Kahikinui	34
Lalamilo	73	Keanae-Wailua	7
Makuu	106	Keokea (Agricultural)	113
Nienie	7	Leialii	422
Panaewa (Agricultural)	670	Paukukalo	729
Panaewa (Residential)	1,054	Pulehunui	-
Pauahi	5	South Maui	1
Piihonua	59	Waiehu	1,441
Ponohawaii	17	Waiku-Hana	-
Puukapu	936	Waiohuli (Residential)	1,231
Upolu	-		
Waiakea	14	Molokai	2,070
Wailau	-	Hoolehua-Palaaau	1,370
Waimanu	-	Kalamaula	383
Waiohinu	17	Kalaupapa	82
		Kamiloloa-Makakupaia	81
Kahoolawe	-	Kapaakea	154
		Ualapue	-

Continued on next page.



**Table 1.17-- RESIDENT POPULATION OF HAWAIIAN HOME LANDS,  
BY ISLAND: 2020 -- Con.**

<b>Island and Hawaiian Home Lands</b>	<b>Total</b>	<b>Island and Hawaiian Home Lands</b>	<b>Total</b>
Oahu	19,344	Oahu (con.)	
East Kapolei	789	Mali	8
Haiku	-	Makaha Valley	-
Honolulu Makai	1	Maluohai	1,020
Kakaina-Kumuhau	318	Nanakuli	5,135
Kalaeloa	8	Papakolea	1,091
Kalawahine	308	Pearl City	3
Kanehili	1,566	Princess Kahanu Estates	1,068
Kapolei	-	Waiahole	29
Kaupea	1,332	Waianae	2,114
Kewalo	245	Waianae Kai	616
Lualualei	54	Waimanalo	3,639

Source: U.S. Census Bureau, 2020 Decennial Census Redistricting File, <<https://data.census.gov>> accessed April 11, 2022, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.18-- RESIDENT POPULATION, BY ISLAND AND ZIP CODE TABULATION AREA: 2020**

[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 decennial census figures for population as of April 1]

Zip code tabulation area	Name	Resident population	Zip code tabulation area	Name	Resident population
State of Hawaii		1,453,498	Maui		
Hawaii			96708	Haiku	10,993
96704	Captain Cook	6,818	96713	Hana	2,264
96710	Hakalau	650	96732	Kahului	27,507
96719	Hawi	2,020	96753	Kihei	27,611
96720	Hilo (Main Office)	46,615	96761	Lahaina Main Office	23,167
96725	Holualoa	4,094	96768	Makawao	18,512
96726	Honaunau	136	96779	Paia	2,992
96727	Honokaa	4,990	96790	Kula	9,115
96728	Honomu	606	96793	Wailuku	31,939
96737	Ocean View	4,806	Kauai		
96738	Waikoloa	7,447	96703	Anahola	2,638
96740	Kailua-Kona	38,234	96705	Eleele	2,536
96743	Kamuela	13,339	96714	Hanalei	1,557
96749	Keaau	20,503	96716	Hanapepe	2,784
96750	Kealahou	3,806	96722	Princeville	2,328
96755	Kapaau	3,613	96741	Kalaheo	6,424
96760	Kurtistown	3,923	96746	Kapaa	19,991
96764	Laupahoehoe	649	96747	Kaumakani	666
96771	Mountain View	8,483	96751	Kealia	152
96772	Naalehu	2,579	96752	Kekaha	3,900
96773	Ninole	412	96754	Kilauea	4,378
96774	Ookala	281	96756	Koloa	5,766
96776	Paauilo	1,782	96765	Lawai	767
96777	Pahala	1,559	96766	Lihue	16,937
96778	Pahoa	14,687	96769	Makaweli	296
96780	Papaalooa	548	96796	Waimea	2,057
96781	Papaikou	1,670	Molokai		
96783	Pepeekeo	2,222	96729	Hoolehua	1,358
96785	Volcano	4,125	96742	Kalaupapa	82
Lanai			96748	Kaunakakai	4,441
96763	Lanai City	3,367	96757	Kualapuu	768
			96770	Maunaloa	720

Continued on next page.

**Table 1.18-- RESIDENT POPULATION, BY ISLAND AND ZIP CODE TABULATION AREA: 2020 -- Con.**

Zip code tabulation area	Name	Resident population	Zip code tabulation area	Name	Resident population
Oahu			Oahu (con.)		
96701	Aiea	42,833	96814	Downtown	24,870
96706	Ewa Beach	80,299	96815	Waikiki	28,786
96707	Kapolei	47,181	96816	Waialae Kahala	51,586
96712	Haleiwa	8,259	96817	Kapalama	56,823
96717	Hauula	5,441	96818	Main Office	51,851
96730	Kaawa	1,584	96819	Sand Island	53,334
96731	Kahuku	3,309	96820	Daniel K. Inouye Airport	16
96734	Kailua	49,922	96821	Hawaii Kai	19,727
96744	Kaneohe	57,746	96822	Makiki	42,231
96759	Kunia	479	96825	Hawaii Kai	31,147
96762	Laie	6,316	96826	Makiki	30,092
96782	Pearl City	37,437	96850	Honolulu	6
96786	Wahiawa	41,217	96853	Hickam AFB	347
96789	Mililani	54,732	96857	Schofield Barracks	4,058
96791	Waialua	7,987	96859	Tripler Army Med. Center	-
96792	Waianae	51,965	96860	Pearl Harbor	5,025
96795	Waimanalo	11,064	96863	MCBH Kaneohe Bay	2,458
96797	Waipahu	78,109	96848	East West Center	475
96813	Downtown	27,372	96858	Fort Shafter	424

Source: U.S. Census Bureau, 2020 Decennial Census, Table P1 <<https://data.census.gov>> access June 5, 2023; 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 June 5, 2023.

**Table 1.19-- RESIDENT AND DE FACTO POPULATION AND EMPLOYED PERSONS, FOR WAIKIKI: 1990 TO 2020**

[Waikiki is bounded by the Ala Wai Canal, Kapahulu Avenue, and the Pacific Ocean]

Subject	1990	2000	2010	2020	Density 1/	
					2010	2020
Resident population 2/	19,768	19,720	23,073	20,470	29,814.5	26,243.6
Temporarily absent 3/	327	763	1,242	(NA)	(X)	(X)
De facto population 4/	95,979	92,708	96,859	(NA)	125,159.6	(NA)
Visitors present 3/	76,538	73,751	75,028	(NA)	96,949.8	(NA)
Employed persons 5/						
Living in Waikiki	11,065	9,898	6/ 12,466	6/ 10,657	16,108.3	13,662.8
Working in Waikiki	(NA)	(NA)	26,085	(NA)	33,706.5	(NA)

NA Not available.

X Not applicable.

1/ Per square mile. Based on land area of 0.77 square miles (2.00 square kilometers) for 2010 and 2020; 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/ Estimates from the American Community Survey 5-year estimates. For 2010, average value over the five year period of 2007 to 2011. For 2020, average value over the five year period of 2017-2021. Based on a sample and subject to sampling variability.

Source: U.S. Census Bureau, 1990 Census tapes, Census 2000 Redistricting Data and Summary File 3, 2010 Census Summary File 1, 2020 Census Redistricting Data, American Community Survey 5-year estimates for 2007-2011 and 2017-2021; Hawaii State Department of Business, Economic Development & Tourism, Tourism Research, records, and Hawaii State Data Center, calculations.

**Table 1.20-- URBAN AND RURAL AREAS, BY COUNTY: 2020**

[Based on the 2020 Census "urban" and "rural" area criteria]

<b>Geography and subject 1/</b>	<b>State total</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui 2/</b>
Land area					
Square kilometers	16,634.1	1,555.6	10,433.6	1,605.5	3,039.4
Square miles 3/	6,422.5	600.6	4,028.4	619.9	1,173.5
Urban					
Square kilometers	783.2	480.4	131.3	60.2	111.3
Square miles 3/	302.4	185.5	50.7	23.3	43.0
Percent 4/	4.7	30.9	1.3	3.8	3.7
Rural					
Square kilometers	15,850.9	1,075.2	10,302.3	1,545.3	2,928.1
Square miles 3/	6,120.1	415.2	3,977.7	596.6	1,130.6
Percent 4/	95.3	69.1	98.7	96.2	96.3
Resident population					
Total	1,455,271	1,016,508	200,629	73,298	164,836
Density/sq. mi.	226.6	1,692.4	49.8	118.2	140.5
Urban area					
Total	1,252,450	999,341	81,258	42,365	129,486
Percent 5/	86.1	98.3	40.5	57.8	78.6
Density/sq. mi.	4,141.7	5,388.1	1,602.4	1,821.7	3,014.3
Rural					
Total	202,821	17,167	119,371	30,933	35,350
Percent 5/	13.9	1.7	59.5	42.2	21.4
Density/sq. mi.	33.1	41.4	30.0	51.8	31.3

1/ For the 2020 Census, an urban area comprised a densely settled core of census blocks that meet minimum housing unit density and/or population density requirements. This includes adjacent territory containing non-residential urban land uses. To qualify as an urban area, the territory identified according to criteria must encompass at least 2,000 housing units or have a population of at least 5,000.

2/ Maui County includes Kalawao County. Kalawao County had a total resident population of 82; land area of 31.1 square kilometers which was 12.0 square miles; 2020 rural population of 82; 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 6.8 persons per square mile.

3/ The ANSI standard for converting square kilometers into square miles was used (1 square mile = 2.58998811 square kilometers).

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, Urban and Rural, List of 2020 Census Urban Areas

<<https://www.census.gov/programs-surveys/geography/guidance/geo-areas/urban-rural.html>>

accessed April 17, 2023, and 2020 Decennial Census Redistricting Data (PL 94-171), Table P1

<<https://data.census.gov>> accessed April 17, 2023, and 2020 Gazetteer Files for the Counties of Hawaii

<<https://www.census.gov/geographies/reference-files/time-series/geo/gazetteer-files.2020.html>>

accessed April 17, 2023; and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 1.21-- CENTERS OF POPULATION, BY COUNTY: 2000 TO 2020**

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

<b>County</b>	<b>North latitude (degrees)</b>	<b>West longitude (degrees)</b>	<b>Approximate location</b>
<b>2000</b>			
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
<b>2010</b>			
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
<b>2020</b>			
State of Hawaii	21.112376	157.485304	Kaiwi Channel
Hawaii County	19.672735	155.428067	22.8 mi. W of Hilo
Maui County	20.862853	156.491993	2.2 mi SE of Wailuku Post Office 1/
Kalawao County	21.189607	156.982059	Kalaupapa
Honolulu County	21.371521	157.917219	1.1 mi. NW of Red Hill Elementary School
Kauai County	22.019834	159.438951	5.1 mi. NE of Knudsen Gap

1/ Wailuku Post Office has moved since 2010. Center of population for Maui County is 1.9 miles SE of 2010 post office location.

Source: U.S. Census Bureau, Centers of Population <<https://www.census.gov/geographies/reference-files/time-series/geo/centers-population.html>> accessed April 22, 2022; and Hawaii State Department of Business, Economic Development & Tourism, Office of Planning, Hawaii Statewide GIS Program, calculation of approximate location.

**Table 1.22-- MILITARY PERSONNEL AND DEPENDENTS, BY SERVICE AND ISLAND: JUNE 30, 2022**

Service and island 1/	Personnel and dependents	Military personnel	Dependents in Hawaii			
			Total	Spouses	Children	Other dependents
State total	89,591	44,004	45,587	16,762	28,512	313
Air Force	11,656	5,406	6,250	2,095	4,127	28
Oahu	11,563	5,373	6,190	2,077	4,085	28
Maui	56	18	38	12	26	-
Hawaii	23	9	14	4	10	-
Kauai	9	2	7	2	5	-
Lanai	2	1	1	-	1	-
Other 2/	3	3	-	-	-	-
Army	40,374	19,486	20,888	7,362	13,284	242
Oahu	40,076	19,294	20,782	7,320	13,220	242
Hawaii	115	61	54	24	30	-
Maui	46	20	26	9	17	-
Kauai	38	20	18	5	13	-
Lanai	8	1	7	3	4	-
Molokai	2	2	-	-	-	-
Other 2/	89	88	1	1	-	-
Coast Guard	2,686	1,225	1,461	541	915	5
Oahu	2,567	1,169	1,398	510	883	5
Maui	61	28	33	17	16	-
Kauai	42	22	20	10	10	-
Hawaii	16	6	10	4	6	-
Marine Corps	11,839	6,822	5,017	2,165	2,838	14
Oahu	11,766	6,766	5,000	2,156	2,830	14
Hawaii	34	25	9	4	5	-
Maui	23	19	4	3	1	-
Kauai	7	3	4	2	2	-
Lanai	1	1	-	-	-	-
Other 2/	8	8	-	-	-	-

Continued on next page.

**Table 1.22-- MILITARY PERSONNEL AND DEPENDENTS, BY SERVICE AND ISLAND: JUNE 30, 2022 -- Con.**

Service and island 1/	Personnel and dependents	Military personnel	Dependents in Hawaii			
			Total	Spouses	Children	Other dependents
Navy	22,780	10,962	11,818	4,547	7,247	24
Oahu	22,476	10,806	11,670	4,494	7,152	24
Kauai	179	87	92	33	59	-
Hawaii	51	25	26	9	17	-
Maui	44	21	23	8	15	-
Molokai	5	-	5	2	3	-
Lanai	2	1	1	0	1	-
Other 2/	23	22	1	1	-	-
Space Force	256	103	153	52	101	-
Oahu	210	88	122	39	83	-
Maui	44	14	30	12	18	-
Hawaii	1	1	-	-	-	-
Kauai	1	-	1	1	-	-

1/ Based on Defense Manpower Data Center (DMDC) Defense Enrollment Eligibility Reporting System (DEERS) data for active duty military personnel and their dependents. If a person is both personnel and a dependent, they are only counted in the "military personnel" category. Island data are based on mailing address, and dependents are counted under their own mailing address, not their sponsor's.

2/ Includes Fleet Post Office and Unknown zip codes.

Source: U.S Department of Defense, Defense Manpower Data Center, Defense Enrollment Eligibility Reporting System data; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 1.23-- 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 1.24-- 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 1.24-- 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 1.25-- 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	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/ Projections by the Department of Business, Economic Development & Tourism.

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 1.26-- RESIDENT POPULATION, BY AGE AND SEX: 2010 AND 2020**

Age group	April 1, 2010			April 1, 2020		
	Total population	Male	Female	Total population	Male	Female
All ages	1,360,301	681,243	679,058	1,455,271	727,844	727,427
Under 5 years	87,407	45,019	42,388	77,352	39,633	37,719
5 to 9 years	83,361	42,847	40,514	83,767	43,022	40,745
10 to 14 years	81,539	41,699	39,840	87,276	44,793	42,483
15 to 19 years	85,994	44,590	41,404	83,640	43,110	40,530
20 to 24 years	95,829	51,981	43,848	92,885	50,663	42,222
25 to 29 years	97,302	50,683	46,619	95,625	50,259	45,366
30 to 34 years	88,031	44,921	43,110	95,497	48,538	46,959
35 to 39 years	86,756	43,994	42,762	95,531	48,458	47,073
40 to 44 years	89,617	45,253	44,364	88,408	44,619	43,789
45 to 49 years	95,787	48,213	47,574	86,939	43,226	43,713
50 to 54 years	97,978	48,831	49,147	91,112	45,521	45,591
55 to 59 years	93,340	46,148	47,192	96,356	47,810	48,546
60 to 64 years	82,222	40,879	41,343	98,432	47,987	50,445
65 to 69 years	59,170	28,849	30,321	90,547	44,175	46,372
70 to 74 years	41,353	19,140	22,213	75,416	36,730	38,686
75 to 79 years	34,675	14,940	19,735	48,753	22,986	25,767
80 to 84 years	29,702	11,904	17,798	29,896	12,983	16,913
85 years and over	30,238	11,352	18,886	37,839	13,331	24,508
16 years and over	1,091,079	543,085	547,994	1,189,786	591,549	598,237
18 years and over	1,056,483	525,231	531,252	1,155,905	574,014	581,891
21 years and over	1,003,512	497,216	506,296	1,104,765	547,257	557,508
65 years and over	195,138	86,185	108,953	282,451	130,205	152,246
85 years and over	30,238	11,352	18,886	37,839	13,331	24,508
Median age	38.6	37.2	39.9	40.8	39.5	42.2

Source: U.S. Census Bureau, 2010 and 2020 Decennial Census, Table DP1 <<https://data.census.gov>> accessed June 5, 2023.

**Table 1.27-- RESIDENT POPULATION, BY AGE AND SEX: 2020 AND 2022**

[Includes military personnel stationed or homeported in Hawaii and residents temporarily absent.  
Excludes visitors present]

Age group	April 1, 2020 <sup>1/</sup>			July 1, 2022		
	Both sexes	Male	Female	Both sexes	Male	Female
Total	1,455,273	735,038	720,235	1,440,196	724,711	715,485
Under 5 years	86,179	44,517	41,662	79,600	40,917	38,683
5 to 9 years	89,716	46,357	43,359	86,582	45,125	41,457
10 to 14 years	83,874	43,052	40,822	83,775	42,933	40,842
15 to 19 years	80,319	42,002	38,317	77,426	40,454	36,972
20 to 24 years	91,623	51,234	40,389	90,645	50,119	40,526
25 to 29 years	100,170	53,254	46,916	91,699	48,415	43,284
30 to 34 years	100,777	52,211	48,566	98,834	51,070	47,764
35 to 39 years	99,784	51,381	48,403	98,240	50,385	47,855
40 to 44 years	89,682	45,967	43,715	93,146	47,616	45,530
45 to 49 years	85,563	43,622	41,941	82,622	41,819	40,803
50 to 54 years	86,848	43,775	43,073	86,291	43,596	42,695
55 to 59 years	92,109	46,191	45,918	86,939	43,318	43,621
60 to 64 years	91,772	45,383	46,389	90,032	44,725	45,307
65 to 69 years	85,028	41,450	43,578	86,039	41,778	44,261
70 to 74 years	72,316	35,020	37,296	76,196	36,561	39,635
75 to 79 years	47,355	22,139	25,216	55,454	26,112	29,342
80 to 84 years	30,018	12,804	17,214	33,280	14,536	18,744
85 and over	42,140	14,679	27,461	43,396	15,232	28,164
Under 18 years	308,076	158,960	149,116	297,326	153,246	144,080
Under 5 years	86,179	44,517	41,662	79,600	40,917	38,683
5 to 13 years	157,445	81,164	76,281	153,770	79,590	74,180
14 to 17 years	64,452	33,279	31,173	63,956	32,739	31,217
18 to 64 years	870,340	449,986	420,354	848,505	437,246	411,259
18 to 24 years	123,635	68,202	55,433	120,702	66,302	54,400
25 to 44 years	390,413	202,813	187,600	381,919	197,486	184,433
45 to 64 years	356,292	178,971	177,321	345,884	173,458	172,426
65 years and over	276,857	126,092	150,765	294,365	134,219	160,146
16 years and over	1,179,346	592,835	586,511	1,174,144	587,472	586,672
18 years and over	1,147,197	576,078	571,119	1,142,870	571,465	571,405
15 to 44 years	562,355	296,049	266,306	549,990	288,059	261,931
Median age (years)	39.8	38.4	41.3	40.7	39.3	42.2

<sup>1/</sup> The April 1, 2020 Population Estimates Base are developed from the 2020 Census, Vintage 2020 Estimates, and 2020 Demographic Analysis.

Source: U.S. Census Bureau, Population Division, Table SC-EST2022-AGESEX-15 (June 2023)  
<<https://www.census.gov/programs-surveys/popest.html>> accessed July 11, 2023.

**Table 1.28-- RESIDENT POPULATION ESTIMATES BY AGE AND MILITARY STATUS: 2020 AND 2022**

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

Age group	April 1, 2020 1/			July 1, 2022		
	Total	Military personnel	Civilian 2/	Total	Military personnel	Civilian 2/
Total	1,455,273	42,516	1,412,757	1,440,196	41,219	1,398,977
Under 5 years	86,179	-	86,179	79,600	-	79,600
5 to 9 years	89,716	-	89,716	86,582	-	86,582
10 to 14 years	83,874	-	83,874	83,775	-	83,775
15 to 19 years	80,319	1,837	78,482	77,426	1,373	76,053
20 to 24 years	91,623	13,531	78,092	90,645	13,240	77,405
25 to 29 years	100,170	10,661	89,509	91,699	9,963	81,736
30 to 34 years	100,777	6,690	94,087	98,834	6,525	92,309
35 to 39 years	99,784	5,142	94,642	98,240	5,340	92,900
40 to 44 years	89,682	2,842	86,840	93,146	2,978	90,168
45 to 49 years	85,563	1,232	84,331	82,622	1,196	81,426
50 to 54 years	86,848	452	86,396	86,291	469	85,822
55 to 59 years	92,109	119	91,990	86,939	113	86,826
60 to 64 years	91,772	10	91,762	90,032	22	90,010
65 to 69 years	85,028	-	85,028	86,039	-	86,039
70 to 74 years	72,316	-	72,316	76,196	-	76,196
75 to 79 years	47,355	-	47,355	55,454	-	55,454
80 to 84 years	30,018	-	30,018	33,280	-	33,280
85 and over	42,140	-	42,140	43,396	-	43,396
16 years and over	1,179,346	42,516	1,136,830	1,174,144	41,219	1,132,925
18 years and over	1,147,197	42,516	1,104,681	1,142,870	41,215	1,101,655
65 years and over	276,857	-	276,857	294,365	-	294,365

1/ The April 1, 2020 Population Estimates Base are developed from the 2020 Census, Vintage 2020 Estimates, and 2020 Demographic Analysis.

2/ Includes military dependents.

Source: U.S. Census Bureau, Population Division, Population and Housing Unit Estimates, Tables SC-EST2022-AGESEX-15 and SC-EST2022-AGESEX-CIV (June 2023)

<<https://www.census.gov/programs-surveys/popest.html>> accessed July 13, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.29-- RESIDENT POPULATION BY AGE GROUP, BY COUNTY: 2022**

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

<b>Age group</b>	<b>State total</b>	<b>Hawaii County</b>	<b>City and County of Honolulu</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
Total	1,440,196	206,315	995,638	73,810	164,433
Under 5 years	79,600	10,877	56,030	3,900	8,793
5 to 9 years	86,582	12,551	59,760	4,510	9,761
10 to 14 years	83,775	12,567	56,426	4,664	10,118
15 to 19 years	77,426	11,426	53,103	3,990	8,907
20 to 24 years	90,645	10,236	68,724	3,511	8,174
25 to 29 years	91,699	10,496	68,568	3,981	8,654
30 to 34 years	98,834	12,454	71,945	4,479	9,956
35 to 39 years	98,240	13,105	69,144	4,763	11,228
40 to 44 years	93,146	13,122	63,695	4,969	11,360
45 to 49 years	82,622	11,805	56,453	4,326	10,038
50 to 54 years	86,291	11,828	59,250	4,515	10,698
55 to 59 years	86,939	12,602	58,771	4,552	11,014
60 to 64 years	90,032	14,846	58,392	5,068	11,726
65 to 69 years	86,039	15,907	54,235	4,968	10,929
70 to 74 years	76,196	14,064	47,998	4,684	9,450
75 to 79 years	55,454	8,819	37,173	3,077	6,385
80 to 84 years	33,280	4,495	23,458	1,755	3,572
85 years and over	43,396	5,115	32,513	2,098	3,670
16 years and over	1,174,144	167,883	812,566	59,881	133,814
18 years and over	1,142,870	163,060	791,639	58,155	130,016
Under 18 years	297,326	43,255	203,999	15,655	34,417
18 to 64 years	848,505	114,660	596,262	41,573	96,010
65 years and over	294,365	48,400	195,377	16,582	34,006
In percent					
Under 18 years	20.6	21.0	20.5	21.2	20.9
18 to 64 years	58.9	55.6	59.9	56.3	58.4
65 years and over	20.4	23.5	19.6	22.5	20.7
Median age	40.7	43.5	39.6	43.1	42.9
Dependency ratio 2/	69.7	79.9	67.0	77.5	71.3

Continued on next page.



**Table 1.29-- RESIDENT POPULATION BY AGE GROUP, BY COUNTY:  
2022 -- 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, Tables SC-EST2022-AGESEX-15 and CC-EST2022-AGESEX-15 (June 2023) <<https://www.census.gov/programs-surveys/popest.html>> accessed July 11, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.30-- RESIDENT POPULATION BY AGE, BY COUNTY: 2020**

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

<b>Age group</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>	<b>Kalawao County</b>
Total	1,455,271	1,016,508	200,629	73,298	164,754	82
Under 5 years	77,352	54,777	10,085	3,803	8,685	2
5 to 9 years	83,767	57,622	11,896	4,439	9,809	1
10 to 14 years	87,276	59,321	12,728	4,722	10,503	2
15 to 19 years	83,640	58,472	11,399	4,306	9,457	6
20 to 24 years	92,885	71,877	9,597	3,368	8,041	2
25 to 29 years	95,625	72,689	10,008	3,902	9,022	4
30 to 34 years	95,497	69,306	11,535	4,314	10,338	4
35 to 39 years	95,531	66,950	12,594	4,779	11,203	5
40 to 44 years	88,408	61,111	11,934	4,684	10,674	5
45 to 49 years	86,939	60,870	11,417	4,333	10,310	9
50 to 54 years	91,112	63,353	11,976	4,671	11,107	5
55 to 59 years	96,356	65,728	13,862	4,994	11,761	11
60 to 64 years	98,432	64,684	16,064	5,470	12,207	7
65 to 69 years	90,547	57,127	16,842	5,283	11,287	8
70 to 74 years	75,416	48,908	13,128	4,433	8,944	3
75 to 79 years	48,753	33,329	7,414	2,591	5,417	2
80 to 84 years	29,896	21,661	3,906	1,481	2,848	-
85 years and over	37,839	28,723	4,244	1,725	3,141	6
16 years and over	1,189,786	833,159	163,484	59,381	133,687	75
18 years and over	1,155,905	809,839	158,711	57,544	129,739	72
21 years and over	1,104,765	772,315	152,403	55,377	124,599	71
62 years and over	340,425	227,598	55,312	18,775	38,716	24
65 years and over	282,451	189,748	45,534	15,513	31,637	19
85 years and over	37,839	28,723	4,244	1,725	3,141	6
Median age	40.8	39.8	44.3	43.0	42.4	50.3

Source: U.S. Census Bureau, 2020 Decennial Census, Table DP1 <<https://data.census.gov>> accessed June 5, 2023.

**Table 1.31-- POPULATION BY MAJOR RACE: 2010 AND 2020**

Subject	2010 Census	2020 Census	Change between 2010 and 2020	
			Number	Percent
Total population	1,360,301	1,455,271	94,970	7.0
Race alone 1/				
White	336,599	333,261	-3,338	-1.0
Black or African American	21,424	23,417	1,993	9.3
American Indian and Alaska Native	4,164	4,370	206	4.9
Asian	525,078	541,902	16,824	3.2
Native Hawaiian and Other Pacific Islander	135,422	157,445	22,023	16.3
Some other race	16,985	26,747	9,762	57.5
Race alone or in combination 2/				
White	564,323	609,215	44,892	8.0
Black or African American	38,820	46,783	7,963	20.5
American Indian and Alaska Native	33,470	41,528	8,058	24.1
Asian	780,968	824,143	43,175	5.5
Native Hawaiian and Other Pacific Islander	355,816	394,102	38,286	10.8
Some other race	34,199	63,917	29,718	86.9

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, and (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 their race as "Japanese, Native Hawaiian, and White" is included in following "major race alone or in combination" categories: Asian, Native Hawaiian and Other Pacific Islander, and White.

Source: U.S. Census Bureau, 2020 Census Redistricting Data (P.L. 94-171) Summary File (September 2021); and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.32-- RACE AND HISPANIC ORIGIN, BY COUNTY: 2020**

Race and Hispanic origin	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County	Kalawao County
Total population	1,455,271	1,016,508	200,629	73,298	164,754	82
One race	1,087,142	767,822	141,384	53,290	124,586	60
White	333,261	188,462	67,365	23,204	54,203	27
Black or African American	23,417	20,723	1,251	376	1,065	2
American Indian and Alaska Native	4,370	2,278	1,027	287	778	-
Asian 1/	541,902	436,853	39,607	21,102	44,328	12
Native Hawaiian and Other Pacific Islander 1/	157,445	102,099	28,096	7,227	20,008	15
Some other race	26,747	17,407	4,038	1,094	4,204	4
Two or more races	368,129	248,686	59,245	20,008	40,168	22
Race alone or in combination with one or more other races 2/	1,979,688	1,371,462	285,880	101,635	220,591	120
White	609,215	373,841	112,533	38,507	84,292	42
Black or African American	46,783	38,734	3,988	1,123	2,929	9
American Indian and Alaska Native	41,528	25,417	8,374	2,482	5,248	7
Asian	824,143	632,184	82,545	36,267	73,121	26
Native Hawaiian and Other Pacific Islander	394,102	259,888	68,448	19,956	45,783	27
Some other race	63,917	41,398	9,992	3,300	9,218	9
Hispanic or Latino (of any race)	138,923	92,322	22,275	7,394	16,914	18
Not Hispanic or Latino	1,316,348	924,186	178,354	65,904	147,840	64
White alone	314,365	175,530	64,688	22,194	51,926	27

1/ Includes persons selecting one race in the major race category only and persons selecting two or more races, all of which are races in the same major race category.

2/ Total races tallied. The figures add to more than the total population because individuals may report more than one race.

Source: U.S. Census Bureau, 2020 Decennial Census, Table DP1 <<https://data.census.gov>> accessed June 6, 2023.

**Table 1.33-- RESIDENT POPULATION FOR SELECTED RACES: 2010**

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

Continued on next page.

**Table 1.33-- 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 1.34-- RESIDENT POPULATION FOR DETAILED RACES: 2021**

[Based on a sample and subject to sampling variability]

Race alone 1/		Race alone or in combination 2/	
Race	Estimate	Race	Estimate
White	319,677	White	617,903
Filipino	213,337	Filipino	370,594
Japanese	166,881	Japanese	314,102
Native Hawaiian	90,370	Native Hawaiian	309,807
Chinese, except Taiwanese	57,941	Chinese, except Taiwanese	217,651
Black or African American	28,484	Black or African American	52,774
Korean	24,032	Korean	51,800
Samoan	14,595	American Indian and Alaska Native	40,944
Other Micronesia 3/	13,393	Samoan	34,972
Vietnamese	12,541	Vietnamese	18,412
Marshallese	10,665	Other Micronesia 3/	17,479
Tongan	7,306	Tongan	12,470
American Indian and Alaska Native	4,837	Marshallese	11,840
Okinawan	3,804	Okinawan	10,952
Thai	2,752	Other Polynesian 4/	7,432
Asian Indian	2,664	Chamorro	6,431
Taiwanese	2,382	Asian Indian	5,811
Chamorro	2,269	Thai	5,116
Laotian	1,261	Indonesian	2,856
Other Asian 6/	1,253	Other Pacific Islander 5/	2,820
Sri Lankan	645	Taiwanese	2,809
Other Polynesian 4/	490	Other Asian 6/	2,717
Cambodian	423	Laotian	1,703
Indonesian	397	Cambodian	1,070
Other Pacific Islander 5/	359	Fijian	1,036
Hmong	222	Sri Lankan	645
Burmese	165	Hmong	347
Pakistani	137	Burmese	271
Mongolian	114	Nepalese	236
Bangladeshi	104	Mongolian	154
Malaysian	99	Pakistani	146
Nepalese	79	Bangladeshi	104
Fijian	72	Malaysian	99
Other Melanesian 7/	39	Other Melanesian 7/	78

Continued on next page.

**Table 1.34-- RESIDENT POPULATION FOR DETAILED RACES: 2021 -- Con.**

- 1/ People who chose only one race.
- 2/ People who chose only one race or those who have chosen two or more races. Figures for the "race alone or in combination" column 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 that were not tallied into separate groups.
- 4/ Includes the generic term "Polynesian" and the remaining Polynesian write-in responses that were not tallied into separate groups.
- 5/ Includes the generic term "Pacific Islander" and respondents who checked the "Other Pacific Islander" category on the questionnaire without writing in a specific race.
- 6/ Includes the generic term "Asian," the remaining Asian write-in responses that were not tallied into separate groups, and respondents who checked the "Other Asian" category on the questionnaire without writing in a specific race.
- 7/ Includes the generic term "Melanesian" and the remaining Melanesian write-in responses that were not tallied into separate groups.

Source: U.S. Census Bureau, 2021 American Community Survey 5-Year Estimates, Tables B02001, B02008, B02009, B02010, B02015, B02016, B02018, and B02019 <<https://data.census.gov>> accessed February 13, 2023.



**Table 1.35-- 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 1.36-- 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 1.37-- NATIVE HAWAIIANS LIVING IN HAWAII OR OTHER STATES:  
2000 AND 2010**

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

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

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

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

**Table 1.38-- SELECTED ANCESTRY: 2017-2021**

[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 2017 to 2021]

Ancestry group 1/	Number	Percent of total population
Total population	1,453,498	(2/)
German	83,362	5.7
Irish	63,327	4.4
English	62,389	4.3
Portuguese	49,481	3.4
Italian	30,272	2.1
French (except Basque)	19,310	1.3
American	18,598	1.3
European	14,332	1.0
Scottish	13,857	1.0
Polish	12,894	0.9
Norwegian	10,233	0.7
Swedish	9,575	0.7
Dutch	6,752	0.5
Russian	6,442	0.4
Scotch-Irish	5,837	0.4
British	4,337	0.3
Welsh	4,297	0.3
Subsaharan African	4,195	0.3
Danish	3,054	0.2
French Canadian	2,808	0.2
Scandinavian	2,803	0.2
Greek	2,739	0.2
West Indian (except Hispanic groups)	2,667	0.2
Hungarian	2,554	0.2
Swiss	2,522	0.2
Arab	2,392	0.2

1/ Ancestry groups containing 2,000 or more people. The categories of "Other groups" (68.7% of total population) and "Unclassified or not reported" (15.5% 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, 2017-2021 American Community Survey 5-Year Estimates, Table B04006 <<https://data.census.gov>> accessed January 31, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.39-- PLACE OF BIRTH AND CITIZENSHIP: 2021**

[Based on a sample and subject to sampling variability]

Place of birth and citizenship	Number	Percent
Total population	1,441,553	100.0
Native	1,171,208	81.2
Born in Hawaii	745,499	51.7
Born in other state in the U.S.	384,505	26.7
Northeast	60,949	4.2
Midwest	68,542	4.8
South	91,741	6.4
West	163,273	11.3
Born outside United States	41,204	2.9
Puerto Rico	2,264	0.2
U.S. Island Areas	6,670	0.5
Born abroad of American parent(s)	32,270	2.2
Foreign born	270,345	18.8
Naturalized U.S. citizen	166,389	11.5
Not a U.S. citizen	103,956	7.2
18 years and over	1,137,352	100.0
Native	882,101	77.6
Foreign born	255,251	22.4
Naturalized U.S. citizen	161,918	14.2
Not a U.S. citizen	93,333	8.2

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Tables B05002 and B05003 <<https://data.census.gov>> accessed January 31, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.40-- RANKING OF PLACE OF BIRTH FOR FOREIGN BORN PERSONS: 2017-2021**

[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 2017 and 2021. Based on a sample and subject to sampling variability]

Rank	Place of birth	Number	Percent of total
	Total	264,741	100.0
1	Philippines	117,665	44.4
2	Japan	22,550	8.5
3	China, excluding Hong Kong and Taiwan	19,205	7.3
4	Korea	17,657	6.7
5	Oceania, not otherwise classified	14,910	5.6
6	Micronesia	10,558	4.0
7	Vietnam	9,683	3.7
8	Mexico	5,050	1.9
9	Canada	4,931	1.9
10	Hong Kong	4,310	1.6
11	Thailand	3,031	1.1
12	Germany	2,871	1.1
13	Taiwan	2,688	1.0
14	India	1,442	0.5
15	Brazil	1,310	0.5
16	United Kingdom, excluding England and Scotland	1,279	0.5
17	Laos	1,189	0.4
18	Australia	1,132	0.4
19	Malaysia	1,105	0.4

Source: U.S. Census Bureau, 2017-2021 ACS 5-Year Selected Population Tables, Table B05006 <<https://data.census.gov>> accessed March 2, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.41-- LANGUAGE SPOKEN AT HOME BY ABILITY TO SPEAK ENGLISH, BY AGE: 2021**

[Persons 5 years old and over. Based on a sample and subject to sampling variability]

<b>Language spoken at home and English proficiency</b>	<b>Total</b>	<b>5 to 17 years</b>	<b>18 to 64 years</b>	<b>65 years and over</b>
Total	1,360,333	222,981	854,785	282,567
Speak English only	1,009,310	180,218	626,710	202,382
Spanish	32,463	4,595	24,840	3,028
Speak English "very well"	26,323	4,115	20,029	2,179
Speak English less than "very well"	6,140	480	4,811	849
Speak English "well"	4,456	469	3,767	220
Speak English "not well"	1,554	-	1,009	545
Speak English "not at all"	130	11	35	84
Other Indo-European 1/	18,777	1,940	13,980	2,857
Speak English "very well"	14,601	1,362	10,882	2,357
Speak English less than "very well"	4,176	578	3,098	500
Speak English "well"	3,407	556	2,572	279
Speak English "not well"	695	22	467	206
Speak English "not at all"	74	-	59	15
Asian and Pacific Island 2/	287,736	33,913	182,138	71,685
Speak English "very well"	150,125	27,155	98,009	24,961
Speak English less than "very well"	137,611	6,758	84,129	46,724
Speak English "well"	83,122	4,070	57,711	21,341
Speak English "not well"	47,404	2,516	23,122	21,766
Speak English "not at all"	7,085	172	3,296	3,617
Other	12,047	2,315	7,117	2,615
Speak English "very well"	9,642	1,903	5,785	1,954
Speak English less than "very well"	2,405	412	1,332	661
Speak English "well"	2,308	412	1,306	590
Speak English "not well"	97	-	26	71
Speak English "not at all"	-	-	-	-

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**Table 1.41-- LANGUAGE SPOKEN AT HOME BY ABILITY TO SPEAK ENGLISH, BY AGE: 2021 -- Con.**

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, 2021 American Community Survey 1-Year Estimates, Table B16004 <<https://data.census.gov>> accessed March 2, 2023, and American Community Survey and Puerto Rico Community Survey Subject Definitions; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 1.42-- LANGUAGE SPOKEN AT HOME, BY EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS: 2021**

[Persons 25 years old and over. Based on a sample and subject to sampling variability]

Subject	Total	Only English	Asian and Pacific Island 1/	Spanish	Other Indo-European 2/	Other languages
Educational attainment						
Total	1,021,687	739,429	233,361	23,910	15,817	9,170
Less than high school graduate	72,211	31,956	37,276	1,770	495	714
High school graduate 3/	269,095	188,971	67,715	6,187	2,634	3,588
Some college or associate's degree	319,700	239,289	66,295	7,397	3,877	2,842
Bachelor's degree or higher	360,681	279,213	62,075	8,556	8,811	2,026
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Less than high school graduate	7.1	4.3	16.0	7.4	3.1	7.8
High school graduate 3/	26.3	25.6	29.0	25.9	16.7	39.1
Some college or associate's degree	31.3	32.4	28.4	30.9	24.5	31.0
Bachelor's degree or higher	35.3	37.8	26.6	35.8	55.7	22.1
Employment status						
Total	1,021,687	739,429	233,361	23,910	15,817	9,170
In labor force	651,036	475,870	141,735	17,711	10,475	5,245
Not in labor force	370,651	263,559	91,626	6,199	5,342	3,925
Percent	100.0	100.0	100.0	100.0	100.0	100.0
In labor force	63.7	64.4	60.7	74.1	66.2	57.2
Not in labor force	36.3	35.6	39.3	25.9	33.8	42.8

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**Table 1.42-- LANGUAGE SPOKEN AT HOME, BY EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS: 2021 -- Con.**

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, 2021 American Community Survey 1-Year Estimates, B16010 <<https://data.census.gov>> accessed March 10, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.43-- SELECTED DETAILED LANGUAGE SPOKEN AT HOME: 2017-2021**

[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 2017 and 2021]

Language spoken at home 1/	Total	Ability to speak English		
		"Very well"	Less than "very well" 2/	Percent less than "very well"
Total	1,365,731	(X)	(X)	(X)
Spoke only English at home	1,012,068	(X)	(X)	(X)
Spoke a language other than English at home	356,398	202,899	153,499	43.1
Ilocano, Samoan, Hawaiian, or other Austronesian languages	125,233	70,558	54,675	43.7
Tagalog (incl. Filipino)	60,019	32,234	27,785	46.3
Japanese	38,466	21,593	16,873	43.9
Chinese (incl. Mandarin, Cantonese)	32,984	13,517	19,467	59.0
Spanish	31,421	24,525	6,896	21.9
Korean	18,710	7,693	11,017	58.9
Other and unspecified languages	12,513	9,820	2,693	21.5
Vietnamese	10,121	3,228	6,893	68.1
Thai, Lao, or other Tai-Kadai languages	4,393	1,867	2,526	57.5
French (incl. Cajun)	3,944	3,389	555	14.1
German	3,357	2,724	633	18.9
Portuguese	1,609	1,159	450	28.0
Russian	1,517	1,050	467	30.8
Other Indo-European languages	998	835	163	16.3
Italian	902	815	87	9.6
Hindi	612	530	82	13.4
Arabic	563	375	188	33.4
Ukrainian or other Slavic languages	542	461	81	14.9
Other languages of Asia	523	322	201	38.4
Polish	503	437	66	13.1
Persian (incl. Farsi, Dari)	456	385	71	15.6
Swahili or other languages of Central, Eastern, and Southern Africa	456	346	110	24.1
Hebrew	448	410	38	8.5
Serbo-Croatian	430	376	54	12.6
Greek	391	349	42	10.7
Yiddish, Pennsylvania Dutch or other West Germanic languages	370	326	44	11.9
Nepali, Marathi, or other Indic languages	344	149	195	56.7
Tamil	296	209	87	29.4

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**Table 1.43-- SELECTED DETAILED LANGUAGE SPOKEN AT HOME:  
2017-2021 -- Con.**

Language spoken at home 1/	Total	Ability to speak English		
		"Very well"	Less than "very well" 2/	Percent less than "very well"
Haitian	276	268	8	2.9
Khmer	227	53	174	76.7
Other Native languages of North America	200	160	40	20.0
Yoruba, Twi, Igbo, or other languages of Western Africa	194	186	8	4.1
Malayalam, Kannada, or other Dravidian languages	130	89	41	31.5
Amharic, Somali, or other Afro-Asiatic	112	84	28	25.0
Telugu	90	16	74	82.2
Punjabi	68	27	41	60.3
Armenian	57	42	15	26.3
Bengali	51	31	20	39.2
Hmong	51	32	19	37.3
Urdu	50	37	13	26.0
Navajo	19	15	4	21.1
Gujarati	17	12	5	29.4

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.

2/ Includes people who self-report speaking English "well," "not well," or "not at all." The U.S. Census Bureau defines someone who speaks English less than "very well" as limited English.

Source: U.S. Census Bureau, 2017-2021 American Community Survey 5-Year Estimates, Table B16001 <<https://data.census.gov>> accessed March 10, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.44-- TOP 20 DETAILED LANGUAGES OTHER THAN ENGLISH SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH: 2017-2021**

[Persons 5 years old and over. Based on calculations using the Public Use Microdata Sample (PUMS) from the U.S. Census Bureau 2021 5-year American Community Survey. Figures displayed describes the average characteristics of people living in Hawaii between the years 2017 and 2021. Based on a sample and subject to sampling variability]

Rank	Language other than English spoken at home	Number of speakers	Percent who speak a non-English language at home	Speak English less than "very well"	Percent who speak English less than "very well"
	Total	356,079	100.0	154,715	100.0
1	Ilocano	61,324	17.2	34,757	22.5
2	Tagalog (including Filipino)	58,223	16.4	26,146	16.9
3	Japanese	38,665	10.9	17,474	11.3
4	Chinese 1/	34,146	9.6	21,129	13.7
5	Spanish	31,116	8.7	6,987	4.5
6	Hawaiian	25,800	7.2	2,563	1.7
7	Korean	17,936	5.0	10,938	7.1
8	Other English-based Creole languages 2/	11,727	3.3	2,528	1.6
9	Vietnamese	11,222	3.2	7,646	4.9
10	Samoan	9,769	2.7	2,642	1.7
11	Chuukese	7,844	2.2	4,805	3.1
12	Marshallese	7,233	2.0	3,306	2.1
13	Other Eastern Malayo-Polynesian languages	5,642	1.6	2,928	1.9
14	Cebuano and other Philippine languages	4,816	1.4	2,295	1.5
15	Tongan	4,743	1.3	1,311	0.8
16	French	4,084	1.1	549	0.4
17	German	3,451	1.0	767	0.5
18	Thai	2,783	0.8	1,517	1.0
19	Portuguese	1,759	0.5	530	0.3
20	Russian	1,357	0.4	(3/)	(3/)

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**Table 1.44-- TOP 20 DETAILED LANGUAGES OTHER THAN ENGLISH SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH: 2017-2021 -- Con.**

1/ Chinese includes Mandarin, Cantonese and other Chinese languages.

2/ Other English-based Creole languages includes, but not limited to, Hawaii Creole English (Hawaiian Pidgin).

3/ Less than 500 and 0.3 percent.

Source: Hawaii State Department of Business, Economic Development & Tourism, "Top languages other than English spoken at home" *Language Use Dashboard* <<https://dbedt.hawaii.gov/economic/language-use-dashboard/>> accessed February 15, 2023.

**Table 1.45-- HOUSEHOLD TYPE AND RELATIONSHIP, BY COUNTY: 2020**

Household type and relationship	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County	Kalawao County
Total population	1,455,271	1,016,508	200,629	73,298	164,754	82
In households	1,414,530	981,641	197,901	72,367	162,556	65
Householder	490,288	336,455	73,000	24,702	56,077	54
Spouse	240,164	167,765	33,937	12,182	26,277	3
Opposite-sex spouse	236,434	165,340	33,286	11,999	25,806	3
Same-sex spouse	3,730	2,425	651	183	471	-
Unmarried partner	34,222	20,773	6,480	2,121	4,847	1
Opposite-sex unmarried partner	31,920	19,277	6,061	2,015	4,566	1
Same-sex unmarried partner	2,302	1,496	419	106	281	-
Child	377,700	266,730	50,251	19,211	41,505	3
Under 18 years	226,092	157,650	31,433	11,427	25,579	3
Grandchild	66,819	46,001	9,123	3,895	7,798	2
Under 18 years	48,841	33,018	6,945	2,907	5,969	2
Other relatives	127,832	93,819	13,508	5,737	14,766	2
Nonrelatives	77,505	50,098	11,602	4,519	11,286	-
In group quarters	40,741	34,867	2,728	931	2,198	17
Institutionalized population	9,661	7,243	1,167	460	791	-
Noninstitutionalized population	31,080	27,624	1,561	471	1,407	17

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**Table 1.45-- HOUSEHOLD TYPE AND RELATIONSHIP, BY COUNTY: 2020 -- Con.**

Household type and relationship	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County	Kalawao County
Total households	490,267	336,412	73,021	24,712	56,063	59
Family households (families)	336,672	233,222	48,516	17,378	37,539	17
Married couple families	240,160	167,750	33,939	12,165	26,298	8
With own children under 18	85,024	62,235	9,923	3,990	8,872	4
Other families	96,512	65,472	14,577	5,213	11,241	9
Male householder, no spouse present	33,303	22,260	5,235	1,785	4,019	4
With own children under 18	12,473	7,710	2,245	714	1,801	3
Female householder, no spouse present	63,209	43,212	9,342	3,428	7,222	5
With own children under 18	23,104	14,631	4,011	1,413	3,047	2
Nonfamily households	153,595	103,190	24,505	7,334	18,524	42
Householder living alone	117,972	80,766	18,370	5,341	13,454	41
Male	58,092	39,974	9,131	2,549	6,421	17
65 years and over	20,950	13,100	4,192	1,134	2,520	4
Female	59,880	40,792	9,239	2,792	7,033	24
65 years and over	31,823	21,391	5,244	1,601	3,578	9
Other nonfamily households	35,623	22,424	6,135	1,993	5,070	1
Households with individuals under 18 years	154,533	106,855	21,211	8,342	18,110	15
Households with individuals 65 years and over	194,142	128,283	32,497	10,893	22,452	17
Average household size	2.89	2.92	2.71	2.93	2.90	1.10

Source: U.S. Census Bureau, 2020 Decennial Census Tables DP1, PCT2, and PCT3 <<https://census.hawaii.gov>> accessed June 6, 2023, and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.



**Table 1.46-- HOUSEHOLDS, FAMILIES, AND GROUP QUARTERS: 1950 TO 2020**

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
2020	490,267	336,672	1,414,530	(NA)	40,741	2.89	(NA)

NA Not available.

Source: U.S. Bureau of the Census, *Decennial Census of Population* records for 1950 through 2000 <<https://www.census.gov/programs-surveys/decennial-census/data/datasets.html>> accessed June 6, 2023, and for 2010 and 2020 <<https://data.census.gov>> accessed June 6, 2023.

**Table 1.47-- HOUSEHOLDS, POPULATION IN HOUSEHOLDS AND AVERAGE HOUSEHOLD SIZE: 2000 TO 2021**

[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
2019	465,299	1,372,954	2.95
2020	(1/)	(1/)	(1/)
2021	490,080	1,399,417	2.86

1/ Due to disruptions caused by the COVID-19 pandemic, a limited set of experimental data were released for 2020. These experimental estimates should not be compared to other estimates in the series.

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates (annual), Table DP02 <<https://data.census.gov>> accessed January 26, 2023.

**Table 1.48-- HOUSING UNITS, HOUSEHOLDS BY AGE, AND PERSONS  
PER HOUSEHOLD: 2010 AND 2020**

<b>Subject</b>	<b>April 1, 2010</b>	<b>April 1, 2020</b>	<b>Percent change</b>
Total housing units	519,508	561,066	8.0
Households by age of householder, total	455,338	490,267	7.7
15 to 24 years	16,597	14,877	-10.4
25 to 34 years	61,422	58,995	-4.0
35 to 44 years	75,796	77,320	2.0
45 to 54 years	93,993	82,127	-12.6
55 to 64 years	94,650	99,195	4.8
65 years and over	112,880	157,753	39.8
65 to 74 years	57,317	93,034	62.3
75 to 84 years	38,401	44,885	16.9
85 years and over	17,162	19,834	15.6
Persons in households	1,317,421	1,414,530	7.4
Persons per household	2.89	2.89	0.0

Source: U.S. Census Bureau, Decennial Census records, Summary File 1 (2010) and Tables DP1 and PCT3 (2020) <<https://data.census.gov>> accessed June 6, 2023, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.49-- HOUSEHOLDS, POPULATION IN HOUSEHOLDS, AND POPULATION PER HOUSEHOLD, BY COUNTY AND ISLAND: 2010 AND 2020**

County and island	Households		Population in households		Population per household	
	2010	2020	2010	2020	2010	2020
State total	455,338	490,267	1,317,421	1,414,530	2.89	2.89
County						
Hawaii	67,096	73,021	181,435	197,901	2.70	2.71
Honolulu	311,047	336,412	917,907	981,641	2.95	2.92
Kalawao	69	59	87	65	1.26	1.10
Kauai	23,240	24,712	65,930	72,367	2.84	2.93
Maui	53,886	56,063	152,062	162,556	2.82	2.90
Island						
Hawaii	67,096	73,021	181,435	197,901	2.70	2.71
Maui	50,215	52,369	141,691	151,937	2.82	2.90
Lanai	1,158	1,187	3,135	3,341	2.71	2.81
Molokai	2,582	2,566	7,323	7,343	2.84	2.86
Oahu	311,047	336,412	917,907	981,641	2.95	2.92
Kauai	23,213	24,694	65,760	72,283	2.83	2.93
Niihau	27	18	170	84	6.30	4.67

Source: U.S. Census Bureau, Decennial Census records <<https://data.census.gov>> accessed June 11, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.50-- POPULATION IN GROUP QUARTERS, BY TYPE OF GROUP QUARTER, BY COUNTY: 2020**

Type of group quarter	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total in group quarters	40,741	34,867	2,728	931	2,215
Institutionalized population 2/	9,661	7,243	1,167	460	791
Correctional facilities for adults	3,752	2,756	514	127	355
Juvenile facilities	129	81	42	-	6
Nursing and skilled-nursing facilities	5,498	4,132	607	333	426
Other institutional facilities	282	274	4	-	4
Noninstitutionalized population 3/	31,080	27,624	1,561	471	1,424
College/university student housing	4,960	4,316	644	-	-
Military quarters	15,522	15,522	-	-	-
Other noninstitutional facilities	10,598	7,786	917	471	1,424

1/ Maui County including Kalawao County (Kalaupapa Settlement). Kalawao County had 17 people living in other noninstitutional facilities.

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

Source: U.S. Census Bureau, 2020 Decennial Census, Table P5 <<https://data.census.gov>> accessed June 5, 2023.

**Table 1.51-- SUBFAMILIES, BY COUNTY: 2021**

[Population in subfamilies. Based on a sample and subject to sampling variability]

<b>Subfamily type 1/</b>	<b>State</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>
Total	114,424	77,013	16,059	7,190	14,162
In married-couple subfamilies	63,861	46,410	6,251	4,580	6,620
Married couple without children	24,583	18,376	3,257	971	1,979
Married couple with child(ren)	19,892	13,505	1,686	2,024	2,677
Child	19,386	14,529	1,308	1,585	1,964
In mother-child subfamilies	38,052	23,463	7,493	1,386	5,710
Parent	13,702	8,106	2,771	637	2,188
Child	24,350	15,357	4,722	749	3,522
In father-child subfamilies	12,511	7,140	2,315	1,224	1,832
Parent	4,705	2,906	748	297	754
Child	7,806	4,234	1,567	927	1,078

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 (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.

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table B11014  
<<https://data.census.gov>> accessed January 31, 2023.

**Table 1.52-- MARITAL STATUS, BY SEX: 2021**

[Persons 15 years old and over. Based on a sample and subject to sampling variability]

Marital status	Total		Male		Female	
	Number	Percent	Number	Percent	Number	Percent
Total	1,184,801	100.0	592,582	100.0	592,219	100.0
Never married	402,806	34.0	228,018	38.5	174,788	29.5
Now married	602,760	50.9	306,261	51.7	296,499	50.1
Married, spouse present	540,108	45.6	275,514	46.5	264,594	44.7
Married, spouse absent	62,652	5.3	30,747	5.2	31,905	5.4
Separated	10,688	0.9	4,423	0.7	6,265	1.1
Other	51,964	4.4	26,324	4.4	25,640	4.3
Widowed	67,466	5.7	13,321	2.2	54,145	9.1
Divorced	111,769	9.4	44,982	7.6	66,787	11.3

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table B12001 <<https://data.census.gov>> accessed March 1, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.53-- MARITAL STATUS, BY SEX AND BY COUNTY: 2021**

[Persons 15 years old and over. Based on a sample and subject to sampling variability]

Subject	State 1/	Hawaii County	City and County of Honolulu	Kauai County	Maui County
Total	1,184,801	167,174	822,988	60,006	134,598
Never married	402,806	56,750	281,762	21,212	43,057
Male	228,018	29,895	161,952	12,050	24,106
Female	174,788	26,855	119,810	9,162	18,951
Males per 100 females	130.5	111.3	135.2	131.5	127.2
Now married, spouse present	540,108	75,497	380,952	24,820	58,839
Male	275,514	39,074	194,621	12,753	29,066
Female	264,594	36,423	186,331	12,067	29,773
Males per 100 females	104.1	107.3	104.4	105.7	97.6
Now married, spouse absent 2/	62,652	5,905	44,147	4,576	8,024
Male	30,747	2,894	21,810	1,937	4,106
Female	31,905	3,011	22,337	2,639	3,918
Males per 100 females	96.4	96.1	97.6	73.4	105
Widowed	67,466	9,279	48,556	2,333	7,288
Male	13,321	2,223	9,420	358	1,320
Female	54,145	7,056	39,136	1,975	5,968
Males per 100 females	24.6	31.5	24.1	18.1	22.1
Divorced	111,769	19,743	67,571	7,065	17,390
Male	44,982	8,043	26,364	2,755	7,820
Female	66,787	11,700	41,207	4,310	9,570
Males per 100 females	67.4	68.7	64.0	63.9	81.7

1/ Kalawao County not shown separately, but included in State total.

2/ 'Spouse absent' includes Separated.

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table B12001 <<https://data.census.gov>> accessed March 7, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 1.54-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION,  
BY COUNTY: 2010 TO 2020**

[Data refer to ten year period ending March 31, 2020. For 1990-2000 estimates, see *Data Book 2009*, Table 1.59. For 2000-2010 estimates, see *Data Book 2021*, Table 1.56]

Component	State total	Honolulu	Hawaii	Kauai	Maui 1/
Net change	94,970	63,301	15,550	6,207	9,912
Natural increase	72,796	56,947	6,832	2,845	6,172
Live births	181,879	134,372	22,025	8,202	17,280
Deaths	109,083	77,425	15,193	5,357	11,108
Net migration 2/	22,174	6,354	8,718	3,362	3,740

1/ Maui County including Kalawao County.

2/ Residual based on net change less natural increase.

Source: U.S. Census Bureau, 2010 and 2020 Decennial Redistricting Data (PL 94-171), Table P1  
<<https://data.census.gov>> accessed May 1, 2023; Hawaii State Department of Health, Office of Health Status Monitoring, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.55-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION,  
BY COUNTY: 2020 TO 2022**

<b>Component</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
Resident population					
April 1, 2020 (estimates base) 2/	1,455,273	1,016,506	200,631	73,294	164,842
July 1, 2022 (estimate)	1,440,196	995,638	206,315	73,810	164,433
Net change 3/	-15,077	-20,868	5,684	516	-409
Resident births	35,141	25,058	4,593	1,708	3,782
Resident deaths	28,299	19,585	4,451	1,321	2,942
Foreign migrants (net) 4/	7,953	5,617	1,154	380	802
Domestic migrants (net) 5/	-29,684	-31,682	4,371	-265	-2,108

1/ Maui County including Kalawao County.

2/ The April 1, 2020 Population Estimates Base are developed from the 2020 Census, Vintage 2020 Estimates, and 2020 Demographic Analysis.

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, Tables CO-EST2022-POP-15 and CO-EST2022-COMP-15 (March 2023) <<https://www.census.gov/programs-surveys/popest.html>> accessed March 30, 2023.

**Table 1.56-- INTENDED DOMESTIC RESIDENTS TO HAWAII AND NEW INTERNATIONAL RESIDENTS ADMITTED TO HAWAII: 2001 TO 2021**

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	49,023	43,593	5,430
2019	48,984	44,067	4,917
2020	22,892	20,183	2,709
2021	38,304	35,852	2,452

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), Table 4, <<https://www.dhs.gov/immigration-statistics/yearbook>> accessed April 3, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.57-- LEGAL PERMANENT RESIDENTS, BY REGION AND COUNTRY OF BIRTH: 2017 TO 2021**

[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]

Region and country of birth	2017	2018	2019	2020	2021
Total	5,396	5,430	4,917	2,709	2,452
Region					
Africa	46	73	66	(D)	43
Asia	4,765	4,720	4,149	2,154	1,823
Europe	200	212	260	164	206
North America	194	189	194	153	166
Oceania	99	113	126	98	94
South America	91	121	122	95	117
Unknown	1	2	-	(D)	3
Country					
Australia	25	33	28	24	28
Brazil	46	61	63	54	57
Canada	74	64	67	68	61
China, People's Republic	492	417	589	399	358
France	28	25	7	8	13
Germany	34	35	31	12	19
Hong Kong	28	33	19	14	7
India	21	29	16	15	29
Japan	328	363	360	262	315
Korea 1/	170	182	167	191	112
Mexico	71	69	76	56	66
Nepal	49	50	33	18	18
New Zealand	20	13	14	12	14
Philippines	3,256	3,229	2,537	999	743
Russia	18	27	27	19	14
Samoa	16	23	28	16	16
Taiwan	25	34	33	25	39
Thailand	79	77	72	50	38
Tonga	27	32	32	35	19
United Kingdom	30	25	44	22	28
Vietnam	211	191	210	112	93
Other countries	348	418	464	298	365

D Data withheld to limit disclosure.

1/ For 2017, 2018, and 2020, there were no legal permanent residents from North Korea. Data were withheld to limit disclosure for 2019 and 2021.

Source: U.S. Department of Homeland Security, Office of Immigration Statistics, *Yearbook of Immigration Statistics* (annual) <<https://www.dhs.gov/immigration-statistics/yearbook>> accessed April 3, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.58-- PERSONS NATURALIZED, BY COUNTRY OF FORMER ALLEGIANCE: 1998 TO 2021**

[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
2019	4,110	320	154	2/ 201	2,291	29	111	1,004
2020	2,522	174	104	136	1,408	17	86	597
2021	3,801	170	144	166	2,141	84	111	985

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 April 3, 2023.

**Table 1.59-- IN-MIGRATION SUMMARY, BY COUNTY: 2021**

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

<b>Movement status</b>	<b>State total 1/</b>	<b>Hawaii County</b>	<b>City and County of Honolulu</b>	<b>Kauai County</b>	<b>Maui County</b>
Total population	1,426,298	201,356	989,106	72,912	162,889
Same house (nonmovers)	1,230,761	173,553	850,286	65,842	141,060
Total movers into the area 2/	195,537	27,803	138,820	7,070	21,829
Movers within the U.S.	182,416	27,022	127,252	6,943	21,184
Within the same county	103,637	13,414	73,623	3,583	13,002
To another county within state	7,153	1,391	1,615	772	3,375
From a different state	71,626	12,217	52,014	2,588	4,807
Abroad	13,121	781	11,568	127	645
In percent					
Same house (nonmovers)	86.3	86.2	86.0	90.3	86.6
Total movers into the area 2/	13.7	13.8	14.0	9.7	13.4
Movers within the U.S.	12.8	13.4	12.9	9.5	13.0
Within the same county	7.3	6.7	7.4	4.9	8.0
To another county in Hawaii	0.5	0.7	0.2	1.1	2.1
From a different state	5.0	6.1	5.3	3.5	3.0
Abroad	0.9	0.4	1.2	0.2	0.4

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, 2021 American Community Survey 1-Year Estimates, Table DP02  
 <<https://data.census.gov>> accessed February 6, 2023.

**Table 1.60-- IN-MIGRATION SUMMARY, BY AGE: 2021**

[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	1,426,298	1,230,761	195,537	103,637	7,153	71,626	13,121
1-4	65,965	51,808	14,157	5,876	533	6,823	925
5-17	222,981	194,421	28,560	15,563	843	11,092	1,062
18-19	29,450	22,232	7,218	2,521	106	4,436	155
20-24	86,215	64,638	21,577	10,633	534	8,148	2,262
25-29	96,005	73,498	22,507	11,513	900	8,654	1,440
30-34	101,762	80,559	21,203	11,418	891	7,797	1,097
35-39	99,493	82,643	16,850	7,919	992	6,589	1,350
40-44	91,400	76,832	14,568	7,998	449	4,711	1,410
45-49	82,070	72,521	9,549	6,096	609	2,505	339
50-54	87,290	79,292	7,998	5,299	89	2,126	484
55-59	88,407	80,836	7,571	4,732	638	1,768	433
60-64	92,693	86,060	6,633	4,011	253	1,780	589
65-69	86,029	80,262	5,767	3,329	63	2,082	293
70-74	76,527	71,875	4,652	2,932	154	1,068	498
75+	120,011	113,284	6,727	3,797	99	2,047	784

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

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table B07001  
 <<https://data.census.gov>> accessed February 6, 2023.

**Table 1.61-- SELECTED CHARACTERISTICS OF DOMESTIC MIGRANTS AND NONMOVERS: 2021**

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

Subject	Non-movers 1/	Movers within state			Domestic in-migrants 2/	Domestic out-migrants 3/
		Total	Same county	Different county		
Sex 4/	1,230,761	110,790	103,637	7,153	71,626	59,236
Male	614,839	58,116	54,295	3,821	38,121	30,180
Female	615,922	52,674	49,342	3,332	33,505	29,056
Age 4/	1,230,761	110,790	103,637	7,153	71,626	59,236
1 to 17 years	246,229	22,815	21,439	1,376	17,915	14,141
18 to 64 years	719,111	77,601	72,140	5,461	48,514	41,288
65 years and over	265,421	10,374	10,058	316	5,197	3,807
Marital status 5/	1,027,622	90,737	84,960	5,777	55,149	46,961
Never married	338,751	39,256	35,617	3,639	21,161	17,851
Now married, except separated	521,281	35,521	33,857	1,664	29,054	23,705
Divorced	96,436	10,808	10,575	233	3,263	3,014
Separated	8,625	1,893	1,839	54	170	840
Widowed	62,529	3,259	3,072	187	1,501	1,551
Educational attainment 6/	897,662	74,181	69,044	5,137	41,127	34,128
Less than high school graduate	65,377	5,592	4,834	758	875	3,073
High school graduate 7/	239,775	21,574	19,579	1,995	6,134	6,228
Some college or associate's degree	279,279	24,902	23,588	1,314	13,435	10,313
Bachelor's degree	197,420	15,536	14,679	857	11,717	9,747
Graduate or professional degree	115,811	6,577	6,364	213	8,966	4,767

Continued on next page.



**Table 1.61-- SELECTED CHARACTERISTICS OF DOMESTIC MIGRANTS AND NONMOVERS: 2021 -- Con.**

Subject	Non-movers 1/	Movers within state			Domestic in-migrants 2/	Domestic out-migrants 3/
		Total	Same county	Different county		
Tenure of householder in housing unit 8/	1,206,962	100,735	95,037	5,698	64,165	54,392
Owner-occupied	830,754	43,822	39,138	4,684	21,564	29,941
Renter-occupied	376,208	56,913	55,899	1,014	42,601	24,451
Individual income 5/ 9/	1,027,622	90,737	84,960	5,777	55,149	46,961
No income	126,132	14,188	12,635	1,553	7,198	6,910
With income	901,490	76,549	72,325	4,224	47,951	40,051
\$1 to \$9,999 or less	126,582	13,428	12,144	1,284	7,179	7,554
\$10,000 to \$14,999	69,029	4,618	4,225	393	3,505	3,851
\$15,000 to \$24,999	115,251	10,684	10,354	330	6,202	4,092
\$25,000 to \$34,999	103,993	8,895	8,309	586	6,766	4,812
\$35,000 to \$49,999	133,420	11,086	10,823	263	6,325	5,310
\$50,000 to \$64,999	104,492	9,355	9,073	282	4,393	4,577
\$65,000 to \$74,999	49,708	4,481	4,292	189	3,097	2,010
\$75,000 or more	199,015	14,002	13,105	897	10,484	7,845
Poverty status in the past 12 months 10/	1,206,770	104,331	97,946	6,385	64,475	54,792
Below 100% of poverty level	127,069	19,391	17,687	1,704	6,648	6,057
100 to 149% of poverty level	65,527	6,771	6,586	185	4,811	4,238
At or above 150% of poverty level	1,014,174	78,169	73,673	4,496	53,016	44,497

Continued on next page.

**Table 1.61-- SELECTED CHARACTERISTICS OF DOMESTIC MIGRANTS AND NONMOVERS: 2021 -- Con.**

- 1/ Individuals who lived in at the same resident 1 year ago.
- 2/ Includes in-migrants to Hawaii coming from any of the 50 states and the District of Columbia.
- 3/ Includes out-migrants from Hawaii leaving for any of the 50 states and the District of Columbia.
- 4/ Population 1 year and over.
- 5/ Population 15 years and over.
- 6/ Population 25 years and over.
- 7/ Includes equivalency.
- 8/ Population 1 year and over, in households.
- 9/ Individual income in the past 12 months (in 2021 inflation-adjusted dollars).
- 10/ Population 1 year old and over, for whom poverty status can be determined.

Source: U.S. Census Bureau, 2021 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 February 6, 2023.

**Table 1.62-- TOP DOMESTIC IN-MIGRATION STATES: 2021**

[Ranked by largest estimate. Population 1 year and over. State of residence in 2021 was Hawaii, but different state of residence in 2020. Based on a sample and subject to sampling variability]

Rank	State	Estimate	Percent
	Total in-migrants 1/	71,626	100.0
1	California	16,116	22.5
2	Texas	6,849	9.6
3	Washington	6,655	9.3
4	Virginia	5,691	7.9
5	Georgia	3,835	5.4
6	New York	2,696	3.8
7	Colorado	2,544	3.6
8	Florida	2,527	3.5
9	Alabama	2,192	3.1
10	New Jersey	2,046	2.9
11	Maryland	1,710	2.4
12	Idaho	1,638	2.3
13	Arizona	1,517	2.1
14	Oregon	1,396	1.9
15	Indiana	1,251	1.7
16	Nevada	1,057	1.5
17	Mississippi	1,048	1.5
18	Pennsylvania	904	1.3
19	Michigan	891	1.2
20	Massachusetts	868	1.2
21	Minnesota	695	1.0
22	Montana	681	1.0

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

Source: U. S. Census Bureau, 2021 American Community Survey 1-Year Estimates, "Table 1. State-to-State Migration Flows: 2021" <<http://www.census.gov/data/tables/time-series/demo/geographic-mobility/state-to-state-migration.html>> accessed June 13, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.63-- TOP DOMESTIC OUT-MIGRATION STATES: 2021**

[Ranked by largest estimate. Population 1 year and over. State of residence in 2020 was Hawaii, but different state of residence in 2021. Based on a sample and subject to sampling variability]

Rank	State	Estimate	Percent
	Total out-migrants 1/	59,236	100.0
1	Texas	7,668	12.9
2	California	7,544	12.7
3	Florida	4,179	7.1
4	Washington	3,770	6.4
5	Arizona	3,249	5.5
6	Tennessee	2,939	5.0
7	Nevada	2,894	4.9
8	Colorado	2,679	4.5
9	Georgia	2,321	3.9
10	Virginia	2,193	3.7
11	Oregon	1,794	3.0
12	North Carolina	1,591	2.7
13	Oklahoma	1,386	2.3
14	Alabama	1,349	2.3
15	Alaska	1,316	2.2
16	Maryland	1,110	1.9
17	Pennsylvania	1,001	1.7
18	Utah	995	1.7
19	New York	962	1.6
20	Idaho	827	1.4
21	Kentucky	807	1.4
22	Ohio	715	1.2
23	Louisiana	710	1.2
24	Indiana	622	1.1
25	Illinois	576	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 percent or more of the total out-migrant population are listed in this table.

Source: U. S. Census Bureau, 2021 American Community Survey 1-Year Estimates, "Table 1. State-to-State Migration Flows: 2021" <<https://www.census.gov/data/tables/time-series/demo/geographic-mobility/state-to-state-migration.html>> accessed June 13, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

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

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

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**Table**  
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## Section 2

# VITAL STATISTICS AND HEALTH

This section presents data on births, deaths, marriages, 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. DOH data are available through 2021. Information is also available on health care businesses from the U.S. Census Bureau's Economic Censuses, including the 2017 Economic Census. Long-term trends are traced in *Historical Statistics of Hawaii*, Section 2.

**Table 2.01-- BIRTHS AND DEATHS: 2000 TO 2021**

[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	18,390	10,903	12.9	7.7	375.0	7.9	5.7
2016	18,007	10,718	12.6	7.5	376.0	8.8	5.8
2017	17,473	11,182	12.3	7.8	389.0	9.7	5.0
2018	16,931	11,239	11.9	7.9	383.0	6.9	6.8
2019	16,771	11,364	11.8	8.0	386.0	5/ 8.2	5.2
2020	15,751	11,911	10.9	8.2	395.0	5/ 9.0	4.9
2021	15,569	12,584	10.8	8.7	394.0	8.7	4.4

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 2021. Rates for 2010 and beyond may differ from previous *Data Books* due to revisions to those population figures.

3/ 20 weeks gestation and over, including elective abortions.

4/ Under 1 year of age.

5/ Revised from previous *Data Book*.

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*, Table ST-EST00INT-01 (September 2011), NST-ETS2019-POP (December 2019), NST-EST2022-POP (December 2022) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 11, 2022; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 2017 TO 2021**

[Place of occurrence basis. Includes residents and non-residents]

Subject and year	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births 2/						
2017 3/	17,526	(2/)	17,526	3,031	14,495	3,031
2018	17,026	(2/)	17,026	2,931	14,095	2,931
2019	16,834	(2/)	16,834	2,899	13,935	2,899
2020	15,803	(2/)	15,803	2,724	13,079	2,724
2021	15,627	(2/)	15,627	2,578	13,049	2,578
Deaths						
2017 3/	11,489	38	11,451	74	11,377	112
2018	11,569	31	11,538	76	11,462	107
2019	11,753	34	11,719	77	11,642	111
2020	12,102	52	12,050	70	11,980	122
2021	12,903	35	12,868	69	12,799	104
Birth rates 4/						
2017 3/	10.8	(2/)	11.1	51.8	9.5	28.8
2018	10.4	(2/)	10.7	48.5	9.2	27.7
2019	10.3	(2/)	10.6	47.8	9.1	27.4
2020	10.7	(2/)	11.0	49.2	9.4	27.9
2021	10.0	(2/)	10.3	47.0	8.9	26.4
Death rates 4/						
2017 3/	7.1	0.8	7.3	1.3	7.5	1.1
2018	7.1	0.7	7.3	1.3	7.5	1.0
2019	7.2	0.8	7.4	1.3	7.6	1.0
2020	8.2	1.2	8.4	1.3	8.6	1.3
2021	8.2	0.8	8.5	1.3	8.7	1.1

NA Not available.

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. Births are assigned to military dependents.

3/ Revised from previous *Data Book*.

4/ 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 2023. They may vary from previous versions of the *Data Book*.

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

**Table 2.03-- RESIDENT LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 2000 TO 2021**

[Place of residence basis]

Year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rates per 1,000 resident population 1/			
2000	22,240	18.3	17,514	825	3,901
2001	21,764	17.8	17,043	759	3,962
2002	22,172	17.9	17,444	831	3,897
2003	22,509	18.0	18,066	862	3,581
2004	22,564	17.7	18,238	884	3,442
2005	22,303	17.3	17,882	897	3,524
2006	23,219	17.7	18,927	827	3,465
2007	23,731	18.0	19,085	942	3,704
2008	23,750	17.8	19,417	1,102	3,231
2009	23,201	17.2	18,843	1,046	3,312
2010	22,830	16.7	18,910	886	3,034
2011	22,480	16.3	18,911	940	2,629
2012	22,350	16.0	18,920	642	2,788
2013	21,816	15.5	18,926	468	2,422
2014	21,369	15.1	18,506	754	2,109
2015	21,145	14.9	18,390	766	1,989
2016	21,326	14.9	18,007	808	2,511
2017	20,380	14.3	17,473	696	2,211
2018	19,887	14.0	16,931	835	2,121
2019	19,698	13.9	16,771	810	2,117
2020	18,147	12.5	15,751	587	1,809
2021	18,263	12.6	15,569	480	2,214

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2022. Rates for 2010 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 2011.

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-EST2022-POP (December 2022) <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed July 12, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 2005 TO 2021**

[Place of occurrence basis]

<b>Event and year</b>	<b>Total</b>	<b>Resident 1/</b>	<b>Nonresident and unknown</b>
<b>Births</b>			
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	18,460	18,390	70
2016	18,079	18,007	72
2017	17,526	17,473	53
2018	17,026	16,931	95
2019	16,834	16,771	63
2020	15,803	15,751	52
2021	15,627	15,569	58
<b>Deaths</b>			
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	11,028	10,718	310
2017	11,489	11,182	307
2018	11,569	11,239	330
2019	11,753	11,364	389
2020	12,102	11,911	191
2021	12,903	12,584	319

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: 2019 TO 2021**

[Place of residence basis]

Subject	2019	2020	2021
Number of resident births	16,771	15,751	15,569
City and County of Honolulu	12,109	11,300	11,023
Percent in City and County of Honolulu	72.2	71.7	70.8
Hawaii County	2,052	2,034	2,063
Kauai County	781	723	809
Maui County (incl. Kalawao)	1,829	1,694	1,674
Percent attended by M.D. or D.O. in hospital	88.0	88.1	87.9
 Males per 100 females	 109.2	 105.8	 107.8
 Median weight of single births (grams) 1/	 3,275	 3,274	 3,275
Percent low birth weight (under 2,500 grams) 1/	8.4	8.1	8.9
Percent single births under 40 weeks gestation	73.5	73.0	73.6
Percent multiple births	3.0	2.9	2.9
 Percent to unmarried mothers	 38.6	 39.5	 39.4
Percent first child born to mother 2/	30.0	30.8	29.6
Percent first child born alive to mother	39.0	39.8	38.7
Median age of mothers (years)	30.0	29.8	30.0
Median age of known fathers (years)	32.0	32.1	32.0

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 2021**

[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]

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	7	73.9	65.9	4
1995	15.5	14.6	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	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	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	15	72.3	66.1	6
2004	14.5	14.0	15	74.0	66.3	6
2005	14.1	14.0	19	72.9	66.7	8
2006	14.8	14.2	16	73.9	68.5	13
2007	14.9	14.3	18	76.0	69.5	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	9	71.9	63.2	7
2012	13.6	12.6	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	14	68.7	62.5	11
2016	12.6	12.2	14	67.6	62.0	10
2017	12.3	11.8	15	65.9	60.3	7
2018	11.9	11.6	20	64.2	59.1	9
2019	11.9	11.4	16	63.9	58.3	7
2020	11.2	11.0	22	61.1	56.0	7
2021	10.8	11.0	28	59.2	56.3	18

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

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 6, 2023.

**Table 2.07-- RESIDENT BIRTHS, BY RACIAL MAKEUP AND MILITARY STATUS OF PARENT: 2019 TO 2021**

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

Year and military status of parent	Total births	Single race	Multi-racial 1/	Not reported 2/	Percent multi-racial 3/
2019					
Total	16,771	6,943	9,124	704	56.8
Military 4/	2,899	2,028	821	50	28.8
All others 5/	13,872	4,915	8,303	654	62.8
2020					
Total	15,751	6,289	8,536	926	57.6
Military 4/	2,724	1,891	775	58	29.1
All others 5/	13,027	4,398	7,761	868	63.8
2021					
Total	15,569	6,018	8,946	605	59.8
Military 4/	2,578	1,742	783	53	31.0
All others 5/	12,991	4,276	8,163	552	65.6

1/ Includes births in which the race of the father is different from the race of the mother or births in which the father or the mother are of two or more races. 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 single race.

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

**Table 2.08-- MOST COMMON FIRST NAMES ON BIRTH CERTIFICATES,  
BY SEX: 2021**

[Place of occurrence basis. A total of 8,331 first names, including variant spellings, was reported for the 15,627 babies born in Hawaii in 2021]

Boys' names			Girls' names		
Rank	Name	Number	Rank	Name	Number
1	Noah	63	1	Olivia	52
2	Kai	56	2	Amelia	39
3	Liam	55	3	Luna	38
4	Ezekiel	40	4	Ava	37
5	Oliver	37	5	Isla	34
6	Alexander	36	5	Mia	34
6	Leo	36	7	Kaia	33
6	Luke	36	8	Aria	31
9	Luca	35	8	Sophia	31
9	Maverick	35	10	Mila	30

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

**Table 2.09-- MOST COMMON SURNAMES ON BIRTH AND DEATH CERTIFICATES: 2021**

Birth certificates			Death certificates		
Rank	Surname	Number	Rank	Surname	Number
1	Lee	55	1	Lee	90
2	Johnson	52	2	Wong	63
3	Brown	46	3	Kim	62
4	Wong	43	4	Chang	45
5	Kim	41	4	Silva	45
6	Smith	39	6	Young	39
7	Williams	37	7	Smith	37
8	Silva	36	7	Tanaka	37
9	Garcia	33	9	Nakamura	36
10	Young	32	9	Oshiro	36

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		
	Total	Male	Female	Total	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://hjmp.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	Total	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/ 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-- LIFE EXPECTANCY, BY SEX FOR HAWAII AND THE UNITED STATES: 1959-1961 TO 2020**

Period	Hawaii						United States		
	Life Expectancy			Rank 1/			Life Expectancy		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
1959-1961 2/	71.55	69.79	74.01	7	(NA)	(NA)	69.89	66.80	73.24
1969-1971 2/	73.60	71.02	76.79	1	1	3	70.75	67.04	74.64
1979-1981 2/	77.02	74.08	80.33	1	1	1	73.88	70.11	77.62
1989-1991 2/	78.21	75.37	81.26	1	1	1	75.37	71.83	78.81
1999-2001 2/	80.23	77.17	83.65	1	1	1	76.86	74.13	79.47
2018	80.98	78.04	83.98	1	4	1	78.74	76.22	81.25
2019	80.90	78.00	83.90	1	5	1	78.80	76.30	81.40
2020	80.70	77.60	83.80	1	1	1	77.00	74.20	79.90

NA Not available.

1/ Among the 50 states and the District of Columbia, with the highest life expectancy ranking 1. Life expectancies are rounded, but rankings are based on unrounded life expectancies.

2/ Average over the three-year period using *U.S. Decennial Life Tables*.

Source: Centers for Disease Control and Prevention, National Center for Health Statistics, *U.S. Life Tables*, <[https://www.cdc.gov/nchs/products/life\\_tables.htm](https://www.cdc.gov/nchs/products/life_tables.htm)> accessed February 27, 2023.

**Table 2.14-- REMAINING LIFE EXPECTACY AT SELECT AGES: 2019**

Age	Expected number of years remaining at each age			Number surviving to specified age per 100,000 born alive		
	Total	Male	Female	Total	Male	Female
0 to 1	80.92	77.97	83.93	100,000	100,000	100,000
1 to 2	80.33	77.39	83.33	99,495	99,464	99,530
5 to 6	76.42	73.51	79.40	99,384	99,314	99,447
10 to 11	71.45	68.53	74.43	99,344	99,280	99,399
15 to 16	66.52	63.63	69.48	99,239	99,135	99,336
20 to 21	61.65	58.81	64.55	99,034	98,838	99,230
25 to 26	56.82	53.99	59.70	98,756	98,525	98,994
30 to 31	52.02	49.28	54.80	98,384	97,977	98,819
35 to 36	47.30	44.65	49.96	97,835	97,193	98,521
40 to 41	42.66	40.14	45.17	97,050	96,081	98,077
45 to 46	38.07	35.64	40.46	96,075	94,812	97,412
50 to 51	33.62	31.29	35.89	94,608	92,983	96,322
55 to 56	29.32	27.10	31.46	92,523	90,441	94,704
60 to 61	25.15	23.10	27.09	89,711	86,875	92,668
65 to 66	21.21	19.40	22.87	85,685	81,709	89,814
70 to 71	17.32	15.69	18.74	80,872	75,846	86,090
75 to 76	13.64	12.24	14.80	74,176	67,840	80,809
80 to 81	10.31	9.13	11.17	64,417	56,646	72,562
85 to 86	7.46	6.52	8.07	50,317	41,513	59,278
90 to 91	5.21	4.40	5.65	32,206	24,095	40,304
95 to 96	3.60	2.95	3.88	14,605	8,858	20,062
100 and over	2.52	2.05	2.69	3,884	1,603	6,056

Source: Centers for Disease Control and Prevention, National Center for Health Statistics, *U.S. Life Tables*, <[https://www.cdc.gov/nchs/products/life\\_tables.htm](https://www.cdc.gov/nchs/products/life_tables.htm)> accessed February 27, 2023.

**Table 2.15-- REMAINING LIFE EXPECTACY AT SELECT AGES: 2020**

Age	Expected number of years remaining at each age			Number surviving to specified age per 100,000 born alive		
	Total	Male	Female	Total	Male	Female
0 to 1	80.67	77.57	83.84	100,000	100,000	100,000
1 to 2	80.07	76.93	83.29	99,503	99,537	99,468
5 to 6	76.11	72.99	79.33	99,454	99,448	99,423
10 to 11	71.14	68.05	74.35	99,403	99,371	99,399
15 to 16	66.19	63.10	69.38	99,339	99,297	99,347
20 to 21	61.28	58.21	64.45	99,195	99,108	99,251
25 to 26	56.50	53.49	59.58	98,826	98,615	99,037
30 to 31	51.69	48.71	54.74	98,481	98,200	98,769
35 to 36	46.96	44.05	49.91	97,946	97,465	98,448
40 to 41	42.29	39.51	45.09	97,208	96,394	98,060
45 to 46	37.72	35.07	40.36	96,176	94,970	97,439
50 to 51	33.26	30.73	35.76	94,704	93,057	96,423
55 to 56	28.97	26.61	31.26	92,578	90,245	95,001
60 to 61	24.89	22.75	26.91	89,448	86,143	92,883
65 to 66	20.96	19.03	22.72	85,341	80,982	89,869
70 to 71	17.18	15.49	18.67	80,001	74,404	85,831
75 to 76	13.60	12.13	14.79	72,903	65,981	80,206
80 to 81	10.30	9.06	11.19	63,120	54,857	71,901
85 to 86	7.47	6.48	8.09	49,236	39,935	58,795
90 to 91	5.23	4.50	5.63	31,515	22,698	40,223
95 to 96	3.61	3.00	3.83	14,337	8,722	19,998
100 and over	2.53	1.92	2.63	3,840	1,623	5,918

Source: Centers for Disease Control and Prevention, National Center for Health Statistics, *U.S. Life Tables*, <[https://www.cdc.gov/nchs/products/life\\_tables.htm](https://www.cdc.gov/nchs/products/life_tables.htm)> accessed February 27, 2023.

**Table 2.16-- 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 2.17-- CHARACTERISTICS OF RESIDENT DEATHS: 2019 TO 2021**

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

Subject	2019	2020	2021
Number of resident deaths	11,394	11,925	12,618
Hawaii County	1,801	1,860	2,032
City and County of Honolulu	7,739	8,251	8,655
Kauai County	607	571	574
Maui County (including Kalawao)	1,247	1,243	1,357
Median age (years)	79	78	78
Centenarian deaths	227	265	236
Male	64	68	53
Female	163	197	183
Oldest (age in years)	108	108	112
Male	106	107	106
Female	108	108	112
Percent married	35.6	36.9	36.2
Males per 100 females	114.5	116.8	116.2
Deaths under 1 year	87	77	69
Per 1,000 live births	5.2	4.9	4.4
Fetal deaths 1/	2,927	2,396	2,694
Per 1,000 deliveries	148.6	132.0	147.5
Standard fetal deaths 3/	810	587	480
Per 1,000 deliveries	41.1	32.3	26.3
Elective abortions	2,117	1,809	2,214
Per 1,000 deliveries	107.5	99.7	121.2
Fetal deaths, 20 or more weeks gestation 2/	137	142	136
Per 1,000 deliveries	7.0	7.8	7.4

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 2.18-- CAUSES OF DEATH, BY SEX: 2021**

[Place of residence basis. Excludes deaths to Hawaii residence occurring out of state and for cases in which cause of death is not determined. Causes of death were coded according to the International Classification of Diseases, Version 10]

Causes of death	Total	Males 1/	Females
Total deaths	12,553	6,741	5,812
Malignant neoplasm (cancer)	2,509	1,325	1,184
Stomach	53	29	24
Colon, rectum and anus	250	135	115
Pancreas	211	111	100
Trachea, bronchus and lung	492	248	244
Breast	162	-	162
Cervix uteri, corpus uteri and ovary	148	-	148
Prostate	151	151	-
Urinary tract	103	76	27
Non-Hodgkin's lymphoma	98	53	45
Leukemia	86	49	37
Other malignant neoplasms	755	473	282
Diabetes mellitus	348	200	148
Alzheimer's disease	557	163	394
Diseases of the heart	2,622	1,558	1,064
Hypertensive heart disease	336	198	138
Ischemic heart disease	1,398	892	506
Other forms of heart disease	888	468	420
Hypertension	151	61	90
Cerebrovascular disease	931	389	542
Other circulatory system diseases (inc. atherosclerosis)	103	55	48
Influenza/pneumonia	210	123	87
Chronic lower respiratory diseases	380	228	152
Chronic liver disease and cirrhosis	170	112	58
Nephritis and nephrosis	261	142	119
Perinatal conditions	37	25	12
Congenital anomalies	26	18	8
Symptoms & ill-defined conditions (inc. sudden infant death syndrome)	110	54	56
Other diseases 2/	2,567	1,254	1,313
Motor vehicle accidents	88	68	20
All other & unspecified accidents & adverse effects	572	395	177
Intentional self-harm (suicide)	200	144	56
Assault	33	26	7
COVID-19	654	384	270
All other causes	24	17	7

1/ Includes unknown sex.

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 2.19-- GREATEST CATASTROPHIC MORTALITY OF RECORD,  
BY TYPE OF DISASTER: 1778 TO 2023**

[Complete through June 1, 2023]

Type of disaster	Date	Location	Event	Deaths
Aircraft	Mar. 22, 1955	Waianae Mts.	Crash of MATS R6-D	66
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
Gas leak	Oct. 19, 1937	Palama	Leaking gas in house	8
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 2.20-- CATASTROPHIC MORTALITY: 1994 TO 2023**

[Includes all accidents, natural disasters, and other events causing five or more deaths.  
Complete through June 1, 2023]

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	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 2.21-- DEATHS BY METHOD OF DISPOSITION: 1980 TO 2021**

[Place of occurrence basis]

<b>Method</b>	<b>1980</b>	<b>1990</b>	<b>2000</b>	<b>2010</b>	<b>2020</b>	<b>2021</b>
All methods	5,204	7,055	8,511	9,654	12,099	12,903
Cremation	2,241	3,564	5,092	6,661	9,082	9,823
Burial	2,343	2,798	2,767	2,322	2,397	2,453
Removal	567	656	591	562	460	520
Medical science	-	-	40	91	151	88
All others 1/	53	37	21	18	9	19

1/ Includes entombment.

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

**Table 2.22-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTY, 2005 TO 2022, AND BY LEVEL OF VISUAL IMPAIRMENT, 2022**

[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
2020	3,123	2,470	348	125	180
2021	3,155	2,499	350	125	181
2022	3,230	2,570	354	125	181
Level of visual impairment: 2022					
Total	3,230	2,570	354	125	181
Blind 2/	2,812	2,240	302	106	164
Visually impaired 3/	418	330	52	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 2.23-- SPECIFIED COMMUNICABLE DISEASES: 2017 TO 2021**

Disease	2017	2018	2019	2020	2021
<b>Cases 1/</b>					
AIDS	13	10	25	24	19
Campylobacteriosis	627	864	415	329	507
E. coli 0157:H7	29	12	4	9	13
Fish poisoning 2/	33	24	35	16	10
Giardiasis	53	44	48	29	30
Gonorrhea	1,358	1,278	1,494	1,484	1,472
Hansen's Disease 3/	17	17	15	15	7
Hepatitis A	12	4	2	9	6
Hepatitis B (acute)	-	3	-	-	-
Influenza 4/	12,417	8,067	4,673	3,104	28
Leptospirosis 5/	25	22	22	10	13
Malaria 6/	4	2	3	-	1
Measles (rubeola) 6/	-	-	4	2	-
Meningitis, bacterial	1	1	1	-	-
Mumps 7/	843	240	4	3	-
Pertussis (whooping cough) 4/	39	36	55	18	5
Pneumococcal disease	109	108	122	38	44
Rubella 6/	-	-	-	-	-
Salmonellosis	299	361	307	157	135
Shigellosis	41	242	92	42	31
Syphilis (primary & secondary)	94	91	120	182	253
Tuberculosis	117	114	97	95	106
Zika Virus	11	7	2	-	-
<b>Deaths 8/</b>					
AIDS	12	10	(10/)	(10/)	11
Hepatitis B (acute)	-	(10/)	(10/)	(10/)	(10/)
Influenza	40	29	34	21	-
Meningitis, bacterial	(9/)	(10/)	(10/)	(10/)	(10/)
Pneumococcal disease	(9/)	-	(10/)	(10/)	(10/)
Salmonellosis	-	-	-	(10/)	-
Syphilis	-	-	(10/)	-	(10/)
Tuberculosis	(9/)	(10/)	(10/)	10	(10/)
COVID-19	(X)	(X)	(X)	322	654

Continued on next page.

**Table 2.23-- SPECIFIED COMMUNICABLE DISEASES: 2017 TO 2021 -- Con.**

NA Not available.

X Not applicable.

1/ Place of occurrence basis.

2/ Includes scombroid, ciguatera and hallucinogenic fish poisoning.

3/ Excludes reinstated cases.

4/ Includes laboratory confirmed 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.

10/ Less than 10 deaths.

Source: Hawaii State Department of Health, and Disease Outbreak Control Division, "Summary of Reported Cases of Notifiable Diseases, Hawaii by County" for 2017 through 2021

<<https://health.hawaii.gov/docd/resources/reports/summary-of-reported-cases-of-notifiable-diseases/>> accessed April 10, 2023, and Office of Health Status Monitoring, records.

**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS  
18 YEARS AND OLDER, BY COUNTY: 2021**

[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
Behaviors					
Seatbelt non-use 1/	6.6	5.3	6.7	8.6	6.1
Lack of physical activities 2/	20.0	21.3	20.5	17.4	17.0
Less consumption of vegetables 3/	86.1	85.1	86.3	86.2	86.5
Less consumption of fruit 4/	88.9	90.6	88.7	88.5	88.5
Binge drinking 5/	16.6	19.4	16.2	16.6	16.6
Current smoker 6/	10.1	12.0	9.9	9.0	10.1
Current use of e-cigarettes 7/	7.2	7.1	8.0	3.0	4.3
Conditions					
Diagnosed with current asthma	8.1	10.4	7.4	8.5	8.5
Diagnosed with kidney disease 8/	2.8	3.0	2.7	2.5	2.5
Diagnosed with diabetes	9.5	11.4	9.5	9.2	8.9
Diagnosed with high cholesterol	34.9	34.0	35.9	35.9	32.4
Diagnosed with hypertension	29.8	33.5	29.6	31.5	27.7
Overweight 9/	35.3	34.4	35.6	34.5	36.1
Obese I 9/	15.1	7.5	6.1	5.9	8.4
Obese II 9/	6.6	7.5	6.1	5.9	8.4
Obese III 9/	3.4	4.5	3.4	3.9	2.2

1/ Adults who do not always wear seatbelts in cars. Data are for 2020.

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 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 Body Mass Index (BMI) greater than or equal to 25 but less than 30. Obese I has BMI greater than or equal to 30 but less than 35; Obese II has BMI greater than or equal to 35 but less than 40; and Obese III has BMI greater than or equal to 40.

Source: Hawaii State Department of Health, The Behavioral Risk Factor Surveillance System (BRFSS) <[https://hhdw.org/report/query/selection/brfss/\\_BRFSSselection.html](https://hhdw.org/report/query/selection/brfss/_BRFSSselection.html)> accessed June 9, 2023.



**Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES, BY TYPE OF FACILITY: 2010 TO 2021**

[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/				
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
2019	99	23	47	29
2020	101	23	47	31
2021	100	23	46	31
Number of licensed beds				
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
2019	8,075	2,601	4,454	1,020
2020	8,137	2,643	4,470	1,024
2021	8,198	2,628	4,482	1,088

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 January 30, 2023, 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: 2010 TO 2021**

[Figures based on facilities that reported their activity]

Type of facility and year	Admissions	Average daily census	Average daily percent occupancy
Acute care			
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
2019	107,980	1,636	62.9
2020	99,358	1,544	58.4
2021	99,170	1,729	65.8
Long-term care			
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
2019	11,346	3,682	82.7
2020	9,043	3,502	78.4
2021	9,383	3,259	72.7

Source: State Health Planning & Development Agency, *Health Care Utilization Report* (annual) <<http://health.hawaii.gov/shpda/>> accessed January 30, 2023; 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: 2021**

[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	100	23	46	31
Hawaii	17	6	7	4
Oahu	63	10	30	23
Kauai	8	3	5	-
Lanai	2	1	1	-
Maui	8	2	3	3
Molokai	2	1	-	1
Number of licensed beds				
State total	8,198	2,628	4,482	1,088
Hawaii	1,140	352	772	16
Oahu	5,838	1,918	2,918	1,002
Kauai	444	111	333	-
Lanai	14	4	10	-
Maui	742	228	449	65
Molokai	20	15	-	5

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 2020 Data* <<http://health.hawaii.gov/shpda/>> accessed January 30, 2023, 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: 2023**

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

Category and island	Total	Type I 1/	Type I Expanded 2/	Type II 3/	Type II Expanded 4/
Number of facilities					
State total	471	177	257	3	34
Oahu	421	155	230	2	34
Hawaii	37	13	24	-	-
Kauai	6	5	1	-	-
Maui	7	4	2	1	-
Molokai	-	-	-	-	-
Lanai	-	-	-	-	-
Number of beds					
State total	2,731	786	1,258	85	602
Oahu	2,487	691	1,129	65	602
Hawaii	171	57	114	-	-
Kauai	26	21	5	-	-
Maui	47	17	10	20	-
Molokai	-	-	-	-	-
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 II," 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 June 6, 2023; 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: 2021**

[Figures based on facilities that reported their activity]

Type of facility and island	Admissions	Occupancy (%)	Average daily census
Acute care 1/			
State total	99,170	65.8	1,729.4
Hawaii	12,101	69.0	243.0
Oahu	74,237	64.3	1,233.9
Kauai	4,296	52.3	58.0
Maui	8,471	85.1	194.0
Molokai	64	2.7	0.4
Lanai	1	0.3	-
Long-term care 1/			
State total	9,383	72.7	3,258.8
Hawaii	1,088	72.5	559.7
Oahu	7,333	72.3	2,109.3
Kauai	392	75.1	250.0
Maui	561	73.5	330.1
Molokai	-	0.0	-
Lanai	9	98.0	9.8

1/ Acute/Skilled Nursing Facility swing beds are classified under acute care.

Source: Hawaii State Department of Health, State Health Planning and Development Agency, *Health Care Utilization Report, Hawaii 2021* (October 2022)  
 <<https://health.hawaii.gov/shpda/files/2022/10/2021-Hawaii-Health-Care-Utilization-Report-1.pdf>>  
 accessed May 12, 2023.

**Table 2.30-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE CHILD AND ADOLESCENT MENTAL HEALTH SERVICES: 2017 TO 2021**

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

Subject	2017	2018	2019	2020	2021
Total	2,405	2,372	2,267	1,981	1,817
Youths registered with services procured 1/ Number	1,420	1,397	1,357	1,247	1,167
Percent	59.0	58.9	59.0	62.9	64.2
Mean age (years)	13.3	13.2	14.0	13.6	13.8
Sex (percent)					
Male	60.6	61.7	60.7	59.4	44.7
Female	39.4	38.3	39.3	40.6	55.3
Residence of registrant					
Hawaii County	712	731	610	582	507
Honolulu County	1,061	1,019	975	860	830
Kauai County	202	232	302	176	188
Maui County	319	329	300	251	239
Special populations 2/	111	61	196	312	283
Selected services procured (percent) 3/					
Out-of-home	22.2	20.0	21.3	20.4	19.7
Out-of-state	2.0	1.5	1.3	1.7	1.9
Hospital-based residential	6.0	5.9	6.8	5.5	5.9
Community-based residential I 4/	0.6	0.6	0.5	0.9	1.0
Community-based residential II	0.6	0.5	0.7	0.7	0.8
Community-based residential III	7.8	5.7	5.1	5.9	4.8
Transitional family home	9.4	9.5	9.6	9.1	7.9
Intensive home & community	84.5	86.0	86.0	87.8	87.2
Multi-systemic therapy	11.1	12.2	12.9	14.4	11.0
Intensive in-home	70.1	70.5	68.5	67.0	67.7
Outpatient 5/	10.0	7.9	4.2	5.1	5.6
Supportive services 6/	11.7	13.1	13.5	11.5	10.5
Crisis stabilization 7/	1.5	1.6	1.9	1.5	2.7

Continued on next page.

**Table 2.30-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE CHILD AND ADOLESCENT MENTAL HEALTH SERVICES: 2017 TO 2021 -- 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/ "Family Court Liaison Branch (FCLB)" and "Unassigned" categories. FCLB youth may also be included in a county's count of registered youth. Thus, the sum of the counties and special populations may exceed the total youths registered.

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/ Previously known as "Community High Risk;" name changed during FY2019.

5/ Does not include Medication Management clients, for whom data are unavailable.

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

7/ Does not include Crisis Mobile Outreach clients, for whom data are unavailable.

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 April 24, 2023.

**Table 2.31-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 2010 TO 2022**

<b>Facilities and year</b>	<b>Persons active, Dec. 31</b>	<b>Admissions</b>	<b>Discharges</b>	<b>Persons served</b>
<b>Hawaii State Hospital</b>				
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
2020	187	171	187	413
2021	222	197	162	446
2022	258	276	245	540
<b>State-supported outpatient community mental health centers 1/</b>				
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
2020	2,047	500	640	1,864
2021	1,981	743	902	1,912
2022	2,382	897	645	1,854

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 2022**

[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
2020	202	331	113	220	227
2021	273	229	81	196	203
2022	417	333	135	225	313

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 2022, 7.43% percent of patients went on leave or were absent without leave.

Source: Hawaii State Hospital, records.

**Table 2.33-- HANSEN'S DISEASE PATIENTS REGISTERED: 2018 TO 2022**

<b>Subject</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Patients on register, Dec. 31	306	293	290	271	265
Department of Health, Hansen's Disease					
Community Program 1/ <sup>1/</sup>	294	281	278	262	256
Kalaupapa	12	12	12	9	9
New cases	17	15	15	7	8
Deaths	1	-	-	3	-

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: 2021**

[Data in this table are annual averages based on the 2021 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	111	9.4	36,363	13.0
Any illicit drug use other than marijuana 2/	34	2.9	9,030	3.2
Binge alcohol 3/	253	21.4	60,039	21.5
Tobacco product 4/	161	13.6	54,696	19.6
Cigarette	160	13.6	43,614	15.6
Use in the past year				
Marijuana	175	14.9	52,454	18.7
Cocaine	18	1.6	4,765	1.7
Methamphetamine	9	0.8	2,549	0.9
Pain reliever misuse 5/	35	3.0	8,711	3.1

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, 2021" <<https://www.samhsa.gov/data/nsduh/state-reports-NSDUH-2021>> accessed March 23, 2023.

**Table 2.35-- PREVALENCE OF VARIOUS SUBSTANCES AMONG STUDENTS IN HAWAII, 2017 TO 2021, AND THE UNITED STATES, 2021**

[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.
	2017	2019	2021	2021
Middle school				
Current drinker 1/	11.6	7.0	(NA)	(NA)
Binge drinking 2/	5.4	4.6	(NA)	(NA)
Current cigarette smoker 1/	5.0	3.9	1.9	(NA)
Current electronic vapor product use 1/	15.7	17.7	6.7	(NA)
Current marijuana use 1/	7.6	7.2	(NA)	(NA)
Ever used any form of cocaine	3.3	2.8	0.8	(NA)
Ever used methamphetamines	2.1	3.7	(NA)	(NA)
Ever used ecstasy	1.5	(NA)	(NA)	(NA)
Ever misused a prescription pain medicine 3/	6.8	10.6	6.6	(NA)
High school				
Current drinker 1/	24.5	20.4	16.6	22.7
Binge drinking 2/	12.6	10.9	8.3	10.5
Current cigarette smoker 1/	8.1	5.3	3.0	3.8
Current electronic vapor product use 1/	25.5	30.6	14.8	18.0
Current marijuana use 1/	18.1	17.2	12.0	15.8
Ever used any form of cocaine	7.1	5.8	2.5	2.5
Ever used heroin	4.5	3.6	1.8	1.3
Ever used methamphetamines	4.8	4.5	1.8	1.8
Ever used hallucinogenic drugs 4/	7.6	(NA)	(NA)	6.5
Ever used ecstasy	6.0	4.5	2.7	2.9
Ever misused a prescription pain medicine 3/	12.2	14.4	10.8	12.2

NA Not available.

1/ Consumed substance on at least 1 day during the 30 days before the survey.

2/ Had 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.

3/ Ever took a prescription pain medicine without a doctor's prescription or different than prescribed use.

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

Source: Centers for Disease Control and Prevention, "Youth Risk Behavior Survey" for Hawaii and the United States <<https://nccd.cdc.gov/youthonline>> accessed May 5, 2023

**Table 2.36-- SELECTED HEALTH CARE PROVIDERS LICENSED IN HAWAII, BY PLACE OF ADDRESS:  
SEPTEMBER 24, 2022**

[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/	10,770	5,204	3,979	515	477	217	13	3	5,552	14
Certified physician assistants	470	377	236	51	70	20	-	-	93	-
Adv. practice registered nurses	2,321	1,415	1,059	183	106	60	5	2	904	2
Registered nurses	31,628	16,782	12,299	2,004	1,618	795	45	21	14,817	29
Pharmacists	2,599	1,490	1,130	171	115	70	3	1	1,106	3
Dentists	1,357	1,102	831	111	109	47	3	1	255	-
Optometrists	423	301	231	34	24	10	1	1	122	-
Physical therapists	1,934	1,214	852	140	146	72	4	-	715	5
Psychologists	1,238	816	632	92	56	33	1	2	422	-
Mental health counselors	754	577	402	101	54	17	3	-	177	-

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 September 24, 2022" <<https://cca.hawaii.gov/pvl/reports/>> accessed July 13, 2023; 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	Number of 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	Number of 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]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	3,677	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
Mailli	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.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County (con.)				
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

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

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County (con.)				
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 2021**

[Place of occurrence basis]

Year	Marriages		Rates per 1,000 resident population 2/	Percent of marriages	
	Total	Resident 1/		Nonresident 3/	Interracial 4/
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	21,924	8,599	6.0	60.8	57.2
2018	21,697	8,061	5.7	62.8	56.6
2019	20,068	7,520	5.3	62.5	54.3
2020	10,444	6,877	4.7	34.2	53.6
2021	18,493	7,373	5.1	60.1	54.3

1/ One or both partners are residents of Hawaii.

2/ Based on July 1 estimates by the U.S. Census Bureau. Intercensal estimates for 2000 to 2009, Vintage 2019 estimates for 2010 to 2019, and Vintage 2022 estimates for 2020 and 2021.

3/ Neither spouses is a resident of Hawaii.

4/ Based on number reporting and excludes nonresident marriages. Includes marriages where either spouse is "Part Hawaiian." Does not include marriages where both spouses identified as "Other races."

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division, *Population and Housing Unit Estimates*, <<https://www.census.gov/programs-surveys/popest/data/tables.html>> accessed June 6, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.40-- MARRIAGES, RESIDENT AND NONRESIDENT, BY MARRIAGE CHARACTERISTICS AND CEREMONY TYPE: 2020 AND 2021**

[Place of occurrence basis]

<b>Year and category</b>	<b>Total</b>	<b>At least one Hawaii resident</b>	<b>Both nonresidents</b>
Marriages, 2020	10,444	6,877	3,567
Opposite-sex marriages	9,939	6,538	3,401
Same-sex marriages	505	339	166
Percent same-sex marriages	4.8	4.9	4.7
Interracial marriages (percent) 1/	44.4	53.6	21.7
Median age (years)			
Males	33.0	31.0	36.0
Females	31.0	30.0	33.0
Previously married (percent)			
Males	29.7	24.8	38.6
Females	28.9	24.8	35.6
Type of ceremony (percent)			
Civil ceremony	13.8	19.1	3.5
Religious ceremony	86.3	80.9	96.5
Marriages, 2021	18,493	7,373	11,120
Opposite-sex marriages	17,596	7,019	10,577
Same-sex marriages	897	354	543
Percent same-sex marriages	4.9	4.8	4.9
Interracial marriages (percent) 1/	40.3	54.3	25.3
Median age (years)			
Males	34.0	31.0	35.0
Females	32.0	30.0	33.0
Previously married (percent)			
Males	29.8	23.3	33.9
Females	29.7	24.4	32.8
Type of ceremony (percent)			
Civil ceremony	7.3	14.7	2.4
Religious ceremony	92.7	85.3	97.6

1/ Based on number reporting. Includes marriages where either spouse is "Part Hawaiian." Does not include marriages where both spouses identified as "Other races."

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

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

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

Narrative

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**Table**  
**Number   Table Name**

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

<a href="#">03.27</a>	Enrollment and Earned Degrees Conferred, for Private Colleges and Universities: 2017 to 2022
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<a href="#">03.29</a>	Characteristics of the Hawaii State Library System: 2018 to 2022
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## 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.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey estimates were not disrupted and are included in this release.

**Table 3.01-- SCHOOL ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS,  
BY GRADE AND AGE, AND BY SEX: 2021**

[Based on a sample and subject to sampling variability]

Subject	Total	Male	Female
GRADE			
Persons 3 years and over enrolled	333,721	170,395	163,326
Enrolled in nursery school, preschool	17,064	9,803	7,261
Public school	5,068	2,502	2,566
Private school	11,996	7,301	4,695
Enrolled in kindergarten	16,655	8,157	8,498
Public school	12,501	6,103	6,398
Private school	4,154	2,054	2,100
Enrolled in grade 1 to grade 4	67,965	34,600	33,365
Public school	54,212	27,453	26,759
Private school	13,753	7,147	6,606
Enrolled in grade 5 to grade 8	68,049	36,891	31,158
Public school	53,095	29,186	23,909
Private school	14,954	7,705	7,249
Enrolled in grade 9 to grade 12	66,720	34,858	31,862
Public school	51,993	28,110	23,883
Private school	14,727	6,748	7,979
Enrolled in college undergraduate years	73,048	35,421	37,627
Public school	55,125	28,270	26,855
Private school	17,923	7,151	10,772
Enrolled in graduate or professional school	24,220	10,665	13,555
Public school	15,727	6,898	8,829
Private school	8,493	3,767	4,726

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**Table 3.01-- SCHOOL ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS,  
BY GRADE AND AGE, AND BY SEX: 2021 -- Con.**

Subject	Total	Male	Female
AGE			
Persons 3 years and over enrolled	333,721	170,395	163,326
3 and 4 years	13,761	7,833	5,928
Public school	4,094	2,023	2,071
Private school	9,667	5,810	3,857
5 to 9 years	79,068	40,872	38,196
Public school	61,094	31,357	29,737
Private school	17,974	9,515	8,459
10 to 14 years	89,385	46,952	42,433
Public school	70,158	37,402	32,756
Private school	19,227	9,550	9,677
15 to 17 years	45,422	23,819	21,603
Public school	34,607	18,697	15,910
Private school	10,815	5,122	5,693
18 and 19 years	19,026	9,345	9,681
Public school	14,377	7,634	6,743
Private school	4,649	1,711	2,938
20 to 24 years	32,430	15,123	17,307
Public school	23,587	12,261	11,326
Private school	8,843	2,862	5,981
25 to 34 years	27,426	13,821	13,605
Public school	20,706	10,410	10,296
Private school	6,720	3,411	3,309
35 years and over	27,203	12,630	14,573
Public school	19,098	8,738	10,360
Private school	8,105	3,892	4,213

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Tables B14002 and B14003 <<https://data.census.gov>> accessed January 31, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.02-- EDUCATIONAL ATTAINMENT, BY AGE AND SEX: 2021**

[Based on a sample and subject to sampling variability]

<b>Age and educational attainment</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>
Total population 18 years and over	1,137,352	567,757	569,595
Less than 9th grade	35,260	16,184	19,076
9th to 12th grade, no diploma	44,569	26,921	17,648
High school graduate (includes equivalency)	319,107	169,340	149,767
Some college, no degree	241,219	127,624	113,595
Associate's degree	120,590	56,751	63,839
Bachelor's degree	241,678	108,883	132,795
Graduate or professional degree	134,929	62,054	72,875
Persons 18 to 24 years	115,665	63,808	51,857
Less than 9th grade	1,333	540	793
9th to 12th grade, no diploma	6,285	3,408	2,877
High school graduate (includes equivalency)	50,012	31,202	18,810
Some college, no degree	34,328	19,623	14,705
Associate's degree	7,781	3,328	4,453
Bachelor's degree	14,829	5,514	9,315
Graduate or professional degree	1,097	193	904
Persons 25 to 34 years	197,767	102,341	95,426
Less than 9th grade	2,544	1,846	698
9th to 12th grade, no diploma	6,331	4,018	2,313
High school graduate (includes equivalency)	55,044	30,991	24,053
Some college, no degree	45,151	26,556	18,595
Associate's degree	20,428	11,112	9,316
Bachelor's degree	48,666	20,137	28,529
Graduate or professional degree	19,603	7,681	11,922
Persons 35 to 44 years	190,893	96,476	94,417
Less than 9th grade	2,819	1,326	1,493
9th to 12th grade, no diploma	5,872	4,489	1,383
High school graduate (includes equivalency)	43,408	24,382	19,026
Some college, no degree	35,854	20,535	15,319
Associate's degree	25,396	13,064	12,332
Bachelor's degree	47,490	21,385	26,105
Graduate or professional degree	30,054	11,295	18,759

Continued on next page.

**Table 3.02-- EDUCATIONAL ATTAINMENT, BY AGE AND SEX: 2021 -- Con.**

Age and educational attainment	Total	Male	Female
Persons 45 to 64 years	350,460	175,512	174,948
Less than 9th grade	9,876	5,103	4,773
9th to 12th grade, no diploma	15,094	9,454	5,640
High school graduate (includes equivalency)	91,652	48,445	43,207
Some college, no degree	72,385	35,682	36,703
Associate's degree	40,555	18,014	22,541
Bachelor's degree	76,114	36,306	39,808
Graduate or professional degree	44,784	22,508	22,276
Persons 65 years and over	282,567	129,620	152,947
Less than 9th grade	18,688	7,369	11,319
9th to 12th grade, no diploma	10,987	5,552	5,435
High school graduate (includes equivalency)	78,991	34,320	44,671
Some college, no degree	53,501	25,228	28,273
Associate's degree	26,430	11,233	15,197
Bachelor's degree	54,579	25,541	29,038
Graduate or professional degree	39,391	20,377	19,014

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table B15001 <<https://data.census.gov>> accessed January 31, 2023; 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 2021**

Year	Percent high school graduate or higher 1/	Percent bachelor's degree or higher 2/
1940	20.5	5.3
1950	31.6	6.1
1960	46.1	9.0
1970	61.9	14.0
1980	73.8	20.3
1990	80.1	22.9
2000	84.6	26.2
2005	88.1	27.9
2006	89.0	29.7
2007	89.4	29.2
2008	90.3	29.1
2009	90.4	29.6
2010	89.9	29.5
2011	90.6	29.1
2012	90.4	30.1
2013	91.0	31.2
2014	91.7	31.0
2015	90.9	31.4
2016	92.0	31.9
2017	92.3	32.9
2018	92.0	33.5
2019	92.4	33.6
2020	(3/)	(3/)
2021	92.9	35.3

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

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

3/ Due to disruptions caused by the COVID-19 pandemic, a limited set of experimental data were released for 2020. These experimental estimates should not be compared to other estimates in the series.

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 January 26, 2023.

**Table 3.04-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER, BY COUNTY: 2021**

[Based on a sample and subject to sampling variability]

<b>Subject</b>	<b>State 1/</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kauai</b>	<b>Maui</b>
Population 25 years and over	1,021,687	147,497	702,553	52,526	119,076
Percent					
High school graduate or higher 2/	92.9	92.9	92.8	92.5	94.0
With bachelor's degree or higher	35.3	30.7	37.1	36.2	30.0
With graduate or professional degree	13.1	11.7	14.0	12.3	9.8

1/ Includes Kalawao County, not shown separately.

2/ Includes equivalency.

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table DP02  
<<https://data.census.gov>> accessed January 31, 2023.

**Table 3.05-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER, FOR HAWAII AND THE UNITED STATES: 2021**

[Based on a sample and subject to sampling variability]

<b>Geographic area</b>	<b>Population 25 years and over</b>	<b>Percent high school graduate or higher 1/</b>	<b>Percent Bachelor's degree or higher</b>	<b>Percent graduate or professional degree</b>
Hawaii	1,021,687	92.9	35.3	13.1
United States	228,193,464	89.4	35.0	13.8
Hawaii rank 2/	40	13	21	24

1/ Includes equivalency.

2/ Among the 50 states and District of Columbia.

Source: U.S. Census Bureau, 2021 American Community Survey, 1-Year Estimates, Table K201501

<<https://data.census.gov>> accessed January 31, 2023, and Ranking Tables R1501 - R1503

<<https://www.census.gov/acs/www/data/data-tables-and-tools/ranking-tables/>> accessed January 31, 2023.

**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: 2021**

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

NAICS code	Type of service	Establishments	Paid employees 1/	Annual payroll (\$1,000)
611	Educational services	557	14,836	157,897
6111	Elementary and secondary schools	122	8,568	109,766
6112	Junior colleges	3	106	1,026
6113	Colleges, universities, and professional schools	30	3,953	32,779
6114	Business schools and computer and management training	34	201	2,308
6115	Technical and trade schools	45	287	3,675
6116	Other schools and instruction	294	1,519	6,678
6117	Educational support services	29	202	1,665

1/ For pay period including March 12.

Source: U.S. Census Bureau, *2021 County Business Patterns*, <<https://data.census.gov>> accessed April 27, 2023.



**Table 3.08-- TOP 20 LARGEST PRIVATE SCHOOLS BY CAMPUS,  
ENROLLMENT AND TUITION: 2021-2022**

[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	3,783	27,716	27,716
Kamehameha Schools - Kapalama	Honolulu	3,192	5,419	4,898
Iolani School	Honolulu	2,151	26,150	26,150
Mid-Pacific Institute 1/	Honolulu	1,399	27,511	27,511
Kamehameha Schools - Hawaii	Hawaii	1,180	5,430	5,042
Kamehameha Schools - Maui	Maui	1,085	5,430	5,042
Hawaii Baptist Academy	Honolulu	1,074	18,386	18,650
Maryknoll School	Honolulu	951	19,600	19,600
Saint Louis School 2/	Honolulu	892	15,938	16,200
Le Jardin Academy 1/	Windward	814	23,217	23,950
Hanalani Schools 1/	Central	689	14,746	14,310
Sacred Hearts Academy 4/	Honolulu	627	15,193	14,156
Damien Memorial School 3/	Honolulu	595	14,702	16,392
Hawaii Preparatory Academy	Hawaii	594	25,515	25,300
Saint Anthony School	Maui	560	5/ 10,915	5/ 10,000
Island Pacific Academy	Leeward	554	16,855	17,300
Seabury Hall 3/	Maui	503	22,270	22,270
Island School 1/	Kauai	461	16,571	17,000
St. Andrew's Schools 6/	Honolulu	400	18,618	18,575
Hongwanji Mission School 7/	Honolulu	387	11,850	11,850

1/ Preschool-12 Coed.

2/ K-12 Boys.

3/ 6-12 Coed.

4/ Preschool-12 Girls.

5/ Tuition figures for 2020-2021. Tuition for 2021-2022 not available.

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* (annual) <<https://www.hais.us/RelId/622589/ISvars/default/Reports.htm>> accessed April 20, 2023.

**Table 3.09-- EXPENDITURES, TOTAL AND PER PUPIL, BY FUNCTION:  
2018-2019 AND 2019-2020**

[For school year. Excludes expenditures for state education agencies]

Expenditure type	2018-2019		2019-2020	
	Total (\$1,000)	Per pupil (\$)	Total (\$1,000)	Per pupil (\$)
Total	3,214,009	17,625	(NA)	17,652
Elementary/secondary expenditures, total	2,924,320	16,132	(NA)	16,564
Instruction	1,700,085	9,378	(NA)	9,806
Support services, total	1,079,519	5,955	(NA)	6,001
Student support 1/	307,230	1,695	(NA)	1,718
Instructional staff 2/	93,047	513	(NA)	537
General administration	12,120	67	(NA)	77
School administration	208,219	1,149	(NA)	1,206
Operation and maintenance	301,622	1,664	(NA)	1,641
Student transportation	67,492	372	(NA)	309
Other support services	89,789	495	(NA)	513
Food services	144,715	798	(NA)	758
Enterprise operations 3/	-	-	(NA)	-
Current expenditures for other programs 4/	18,390	(NA)	(NA)	(NA)
Capital outlay 5/	271,300	1,494	(NA)	1,088
Interest on school debt	-	-	(NA)	-

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](https://nces.ed.gov/programs/digest/current_tables.asp)> accessed June 5, 2023.

**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	2,998	2,713	222	52	11
Personnel services	2,083	1,961	120	-	2
Other	915	752	102	52	9
Funds carried over	52	52	-	-	-
Lapsed ceiling	91	1	53	32	5

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: 2021 AND 2022**

[For public schools. Appropriated funds and expenditures in millions of dollars. Enrollment and number of schools are counts. Fiscal year ending June 30]

Item	2021	2022	Percent change, 2021 to 2022
Appropriated funds total	4,086	4,241	3.8
General funds	2,914	2,956	1.4
Federal funds	1,069	1,182	10.6
Special funds	87	87	0.0
Trust funds	16	16	0.0
Expenditures total	3,218	3,410	6.0
General funds	2,819	2,893	2.6
Federal funds	375	491	30.9
Special funds	20	22	10.0
Trust funds	4	4	0.0
Enrollment total 1/	174,704	171,600	-1.8
Department schools	162,491	159,503	-1.8
Charter schools	12,213	12,097	-0.9
Schools	294	294	0.0
Department schools	257	257	0.0
Charter schools	37	37	0.0

1/ Based on official Fall enrollment.

Source: Hawaii State Department of Education, Office of the Superintendent, 2022 *Hawaii Department of Education Data Book* (February 2023) <<http://arch.k12.hi.us/reports/hidoe-data-book>> accessed May 2, 2023; 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]

<b>Programs</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
General fund budget	2,492,780,564	2,584,292,527	2,765,174,363
Total expenditures	2,151,534,527	2,214,172,070	2,408,413,258
Instruction and related services	1,757,564,142	1,800,391,057	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 1/	293,678,250	300,232,669	304,913,009
Adult education	2,729,033	4,696,986	6,121,813
Capitalized equipment expenditures	16,680,984	13,592,231	17,375,964
Debt service	274,268,233	281,943,362	281,415,232
Total expenditures & exclusions	2,445,212,777	2,514,404,739	2,713,326,267
Ending budget balance	47,567,787	69,887,788	1/ 51,848,096

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

Source: Hawaii State Department of Education, Office of Fiscal Services, *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:  
2022-2023**

[For school year]

<b>Grade</b>	<b>State total</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Maui</b>	<b>Kauai</b>	<b>Charter schools</b>
Total	170,209	106,515	23,127	19,615	8,824	12,128
Pre-Kindergarten	1,575	1,180	182	133	68	12
Kindergarten	11,316	7,183	1,423	1,307	562	841
1	11,914	7,554	1,530	1,331	595	904
2	11,707	7,347	1,530	1,336	607	887
3	12,214	7,593	1,665	1,393	631	932
4	12,299	7,831	1,587	1,382	572	927
5	12,107	7,550	1,626	1,426	610	895
6	11,904	7,316	1,487	1,297	616	1,188
7	11,687	7,265	1,486	1,326	555	1,055
8	9,121	5,310	1,217	1,073	539	982
9	13,410	8,274	2,074	1,628	702	732
10	12,195	7,653	1,755	1,488	693	606
11	10,848	6,884	1,501	1,277	631	555
12	9,876	6,308	1,386	1,140	575	467
Special Education	18,036	11,267	2,678	2,078	868	1,145

Source: Hawaii State Department of Education, Official Enrollment Count  
<<https://www.hawaiipublicschools.org/DOE%20Forms/Enrollment/HIDOEenrollment2022-23.pdf>>  
accessed February 28, 2023; and calculations by the Hawaii State Department of Business, Economic  
Development & Tourism.

**Table 3.14-- FEDERALLY-CONNECTED STUDENTS IN PUBLIC SCHOOLS:  
FALL, 1996 TO 2022**

<b>Year</b>	<b>All federally-connected students</b>	<b>Percent of total enrollment</b>	<b>Students whose parents live and work on federal property</b>	<b>Students whose parents live on or work on federal property</b>
1996	32,122	17.0	14,741	17,381
1997	30,905	16.3	14,343	16,562
1998	31,438	16.7	13,628	17,810
1999	30,337	16.3	12,969	17,368
2000	30,251	16.5	12,689	17,562
2001	28,276	15.3	12,434	15,842
2002	29,068	15.8	12,235	16,833
2003	28,692	15.6	11,601	17,091
2004	29,462	16.1	11,617	17,845
2005	29,390	16.3	11,004	18,386
2006	27,815	15.4	10,609	17,206
2007	28,752	16.1	10,389	18,363
2008	28,026	15.7	10,057	17,969
2009	28,434	15.9	10,616	17,818
2010	28,741	15.6	10,581	18,160
2011	30,150	16.7	11,587	18,563
2012	28,976	15.6	11,047	17,929
2013	22,324	11.9	9,001	13,323
2014	27,660	15.1	9,881	17,779
2015	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	22,618	12.4	8,169	14,449
2019	22,136	12.2	8,281	13,855
2020	13,291	7.8	4,416	8,875
2021	20,318	11.9	7,252	13,066
2022	20,921	12.2	7,492	13,429

Source: Hawaii State Department of Education, records.

**Table 3.15-- HAWAII STATE HIGH SCHOOL GRADUATES FROM PUBLIC AND PRIVATE HIGH SCHOOLS: 1990 TO 2022**

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

Year	Total graduates	Public school graduates	Private school graduates
1990	12,278	9,848	2,430
1991	11,877	9,482	2,395
1992	12,015	9,615	2,400
1993	11,675	9,320	2,355
1994	12,353	9,870	2,483
1995	12,434	9,984	2,450
1996	12,482	9,995	2,487
1997	12,312	9,784	2,528
1998	12,915	10,369	2,546
1999	13,017	10,425	2,592
2000	13,380	10,671	2,709
2001	12,933	10,330	2,603
2002	13,368	10,771	2,597
2003	12,840	10,312	2,528
2004	13,212	10,657	2,555
2005	13,393	10,847	2,546
2006	13,645	10,834	2,811
2007	13,821	10,909	2,912
2008	14,622	11,539	3,083
2009	14,721	11,699	3,022
2010	14,052	11,072	2,980
2011	13,976	11,062	2,914
2012 1/	14,287	11,379	2,908
2013 1/	14,323	11,376	2,947
2014 1/	14,143	11,234	2,909
2015	13,476	10,660	2,816
2016	13,721	10,903	2,818
2017	13,581	10,671	2,910
2018	14,178	11,211	2,967
2019	13,528	10,748	2,780
2020	13,950	11,266	2,684
2021	13,957	11,119	2,838
2022	13,944	11,081	2,863

1/ Revised from previous *Data Book*.

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 February 9, 2023, and records.



**Table 3.16-- PRIVATE SCHOOLS, TEACHERS, AND ENROLLMENT, 1993-1994 TO 2019-2020 AND PRIVATE HIGH SCHOOL GRADUATES, 1991-1992 TO 2018-2019**

[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
2019-2020	165	41,191	3,756	2018-2019	3,305

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 15, 2022.

**Table 3.17-- SELECTED CHARACTERISTICS OF PUBLIC SCHOOL TEACHERS: 2001-2002 TO 2021-2022**

[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	11,121	11,166	95.0	12.6	57	37.7
2019-2020	11,177	11,226	95.6	12.6	58	37.8
2020-2021	11,161	11,198	96.2	12.7	59	38.4
2021-2022	10,999	11,035	96.0	12.8	60	38.7

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/reports/trend-report>> accessed January 26, 2023.

**Table 3.18-- SELECTED CHARACTERISTICS OF PUBLIC SCHOOL STUDENTS: 2001-2002 TO 2021-2022**

[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	13.9	83.0
2017-2018	94.6	93.0	96.0	9.1	12.5	84.6
2018-2019	94.4	93.1	96.0	9.1	11.7	85.3
2019-2020	94.4	93.1	97.0	7.2	10.7	86.3
2020-2021	93.6	92.0	99.7	15.2	6/ 11.0	6/ 86.0
2021-2022	88.9	89.1	96.3	11.1	11.8	85.3

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/reports/trend-report>> accessed January 26, 2023.

**Table 3.19-- ETHNICITY OF PUBLIC SCHOOL STUDENTS: 2021-2022**

Ethnicity 1/	Students	Percent
Total	171,600	100.0
Black or African American	4,553	2.7
Chinese	5,109	3.0
Filipino	38,406	22.4
Guamanian or Chamorro	554	0.3
Hispanic	3,880	2.3
Indo-Chinese	1,897	1.1
Japanese	15,427	9.0
Korean	1,974	1.2
Native American	996	0.6
Native Hawaiian/Part-Hawaiian	40,543	23.6
Portuguese	2,973	1.7
Samoan	5,507	3.2
Tongan	1,459	0.9
White 2/	34,001	19.8
Other Asian 3/	1,552	0.9
Other Micronesian	8,956	5.2
Other Pacific Islander 4/	1,894	1.1
Multiple, two or more ethnicities	1,919	1.1

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

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

Source: Hawaii State Department of Education, Office of the Superintendent, *2022 Hawaii Department of Education Data Book* (February 2023) <<http://arch.k12.hi.us/reports/hidoe-data-book>> accessed May 2, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.20-- ETHNICITY OF PUBLIC SCHOOL TEACHERS: 2021-2022**

Ethnicity	Teachers	Percent
Total	11,470	100.0
Black or African American	126	1.1
Chinese	363	3.2
Filipino	947	8.3
Hawaiian/Part-Hawaiian	1,217	10.6
Hispanic	494	4.3
Japanese	2,436	21.2
Korean	146	1.3
Native American	22	0.2
Samoan	69	0.6
White	2,833	24.7
Other 1/	2,817	24.6

1/ Includes teachers reporting multiple ethnicities, excluding people reporting as part-Hawaiian.

Source: Hawaii State Department of Education, Office of the Superintendent, *2022 Hawaii Department of Education Data Book* (February 2023) <<http://arch.k12.hi.us/reports/hidoe-data-book>> accessed May 2, 2023, 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: 2021-2022**

[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	80,542	42,270	52.5	80,938	31,097	38.4
Grade 3	12,335	6,083	49.3	12,373	6,364	51.4
Grade 4	12,212	6,315	51.7	12,261	5,672	46.3
Grade 5	12,437	6,880	55.3	12,467	5,254	42.1
Grade 6	12,276	6,128	49.9	12,333	4,349	35.3
Grade 7	9,491	4,920	51.8	9,523	3,155	33.1
Grade 8	12,003	6,060	50.5	12,043	3,735	31.0
Grade 11	9,788	5,884	60.1	9,938	2,568	25.8

Source: Hawaii State Department of Education, Smarter Balanced Assessment Results  
 <<http://www.hawaiipublicschools.org/TeachingAndLearning/Testing/StateAssessment/Pages/home.aspx>>  
 accessed May 2, 2023.

**Table 3.22-- SAT SCORE AVERAGES FOR HAWAII AND THE UNITED STATES: 2009 TO 2022**

[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/						
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		
2020	549	546	528	523		
2021	572	572	528	533		
2022	558	566	521	529		

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 January 5, 2023.

**Table 3.23-- COLLEGE AND CAREER READINESS INDICATORS,  
BY COUNTY: 2022**

[For high school graduating class of 2022]

Subject	State	Hawaii	Honolulu	Kauai	Maui
High school completers	11,271	1,674	7,574	676	1,347
Diploma with any Honors (percent) 1/	32.0	24.0	33.0	38.0	34.0
Academic Honors (percent)	24.0	17.0	26.0	23.0	21.0
CTE Honors (percent) 2/	19.0	12.0	19.0	29.0	23.0
STEM Honors (percent) 3/	4.0	3.0	5.0	4.0	2.0
Seal of Biliteracy (percent) 4/	4.0	3.0	4.0	1.0	4.0
On-time graduation rate (percent)	85.0	82.0	86.0	93.0	82.0
Completers taking ACT	6,875	859	5,026	259	731
Percent college ready: English $\geq$ 18	41.0	37.0	43.0	40.0	36.0
Percent college ready: Math $\geq$ 22	21.0	18.0	22.0	23.0	18.0
Percent college ready: Science $\geq$ 23	22.0	19.0	23.0	21.0	17.0
Dual Credit					
Participating	2,473	393	1,479	278	323
Earning 6 or more credits	1,581	275	941	167	198
Advanced Placement (AP)					
Taking AP exams	3,255	337	2,404	143	371
Scoring a 3 or more on an exam	1,851	179	1,417	52	203
Career Technical Education (CTE)					
Finishing a CTE program	7,190	939	4,773	561	917
College enrollment					
2-year (percent of completers)	18.0	16.0	20.0	25.0	3.0
4-year (percent of completers)	33.0	26.0	33.0	24.0	47.0

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 2022*

<<https://www.hawaiiidxp.org/data-products/ccri-summary-reports/>> April 4, 2023.



**Table 3.24-- HEADCOUNT ENROLLMENT AT THE UNIVERSITY OF HAWAII,  
BY CAMPUS: FALL 2010 TO 2022**

[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		Unclassified	Others 1/		
			Under-graduates	Graduates				
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
2020	49,594	18,025	12,864	4,462	636	63	3,165	3,168
2021	49,773	19,098	13,839	4,684	514	61	3,243	3,008
2022	48,373	19,074	14,162	4,876	-	36	2,977	2,913
		<b>UH Community Colleges</b>						
Year	Total	Hawaii	Honolulu	Kapiolani	Kauai	Leeward	Maui	Windward
2010	34,203	3,815	4,725	9,301	1,428	7,942	4,367	2,625
2011	34,100	3,917	4,600	9,023	1,433	7,895	4,527	2,705
2012	33,715	3,663	4,582	8,892	1,495	7,960	4,382	2,741
2013	32,531	3,406	4,368	8,376	1,530	7,976	4,076	2,799
2014	30,960	3,186	4,144	7,994	1,424	7,742	3,809	2,661
2015	30,370	3,087	4,328	7,816	1,401	7,535	3,593	2,610
2016	28,757	2,956	3,903	7,382	1,401	7,262	3,342	2,511
2017	27,441	2,819	3,563	7,095	1,346	6,805	3,302	2,511
2018	26,819	2,632	3,541	6,899	1,486	6,709	3,092	2,460
2019	26,066	2,615	3,510	6,488	1,373	6,568	2,992	2,520
2020	25,236	2,430	3,378	6,369	1,461	6,363	2,936	2,299
2021	24,424	2,248	3,210	6,100	1,343	6,413	2,724	2,386
2022	23,409	2,127	3,069	5,828	1,308	6,221	2,472	2,384

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

Source: University of Hawaii, Institutional Research and Analysis Office, Student - Enrollment Tables  
<<https://data.hawaii.edu/#/reports/ENRT00>> accessed January 26, 2023.

**Table 3.25-- DEGREES, DIPLOMAS, AND CERTIFICATES AWARDED BY THE UNIVERSITY OF HAWAII: 2015 TO 2022**

[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	
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	
2020	10,847	3,109	952	198	206	54	709	
2021	3/ 10,763	3/ 3,200	3/ 850	3/ 142	214	55	706	
2022	10,695	3,302	930	163	227	70	738	

Year	University of Hawaii at Hilo					UH Community Colleges		
	Certificates 4/	Bachelor's	Master's 5/	Doctorate	Professional practice 6/	Certificates 7/	Associate's degree	Bachelor's
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
2020	-	637	79	2	83	1,159	3,641	18
2021	-	632	55	2	86	1,204	3,597	20
2022	-	623	74	4	79	1,187	3,280	18

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

2/ Includes Post-Baccalaureate Certificates.

3/ Revised from previous *Data Book*.

4/ Includes Certificate in Teacher Education (PDN).

5/ Includes MS in Pharmacy effective 2013.

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

7/ Includes Advanced Professional Certificates (APC).

Source: University of Hawaii, Institutional Research and Analysis Office, Degree Table 0 <<https://manoa.hawaii.edu/miro/degrees/>> accessed February 9, 2023.

**Table 3.26-- UNIVERSITY OF HAWAII CURRICULA, TUITION, FINANCES, AND FACULTY AND STAFF: 2019 TO 2022**

Subject	2019	2020	2021	2022
Curricula offered at Manoa Campus, fall semester	319	317	316	319
Bachelor's degree programs	102	100	99	98
Master's degree programs	89	89	87	88
Doctoral programs	52	52	52	51
Other programs 1/	76	76	78	82
Total tuition and fees per semester 2/				
Manoa				
Resident	6,093	6,093	6,093	6,093
Nonresident	17,109	17,109	17,109	17,109
Hilo				
Resident	3,824	3,824	3,824	3,824
Nonresident	10,376	10,399	10,399	10,399
West Oahu				
Resident	3,720	3,720	3,720	3,720
Nonresident	10,272	10,272	10,272	10,272
Community colleges 3/				
Resident	1,614	1,614	1,614	1,614
Nonresident	4,182	4,182	4,182	4,182
Finances, fiscal year ending June 30				
Current fund revenues (\$1,000) 4/	1,595,984	1,595,198	1,519,801	1,515,553
Current fund expenditures (\$1,000)	1,599,592	1,596,088	1,501,068	1,553,960
Faculty and staff, fall semester 5/	9,911	9,557	9,201	9,082
Board of Regents appointees	8,650	6,833	8,076	8,016
Full-time	5,907	5,691	5,383	5,333
Part-time	2,743	1,142	2,693	2,683
Civil service personnel	1,261	2,724	1,125	1,066
Full-time	1,227	2,694	1,061	1,004
Part-time	34	30	64	62

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. 2020 = AY 2020-2021). 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 April 10, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 3.27-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR PRIVATE COLLEGES AND UNIVERSITIES: 2017 TO 2022**

[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
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	9,311	8,241	1,070	197	1,569	402
Brigham Young	2,974	2,974	(X)	88	621	(X)
Chaminade	2,167	1,572	595	44	362	200
Hawaii Pacific	4,170	3,695	475	65	586	202
2020, total	9,503	8,460	1,043	165	1,592	373
Brigham Young	3,127	3,127	(X)	57	665	(X)
Chaminade	2,203	1,635	568	43	341	171
Hawaii Pacific	4,173	3,698	475	65	586	202
2021, total	9,657	8,470	1,187	171	1,484	443
Brigham Young	2,861	2,861	(X)	39	649	(X)
Chaminade	2,210	1,543	667	62	337	244
Hawaii Pacific	4,586	4,066	520	70	498	199
2022, total	9,961	8,450	1,511	136	1,402	365
Brigham Young	2,716	2,716	(X)	30	610	(X)
Chaminade	2,369	1,583	786	31	293	180
Hawaii Pacific	4,876	4,151	725	75	499	185

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 FIRST-YEAR COLLEGE STUDENTS: FALL 2018 AND FALL 2020**

Category	All first-year students 2/	First-year college students who received high school diplomas in past 12 months 1/	
		Total	In 4-year colleges
Fall 2018			
Students enrolled in state 3/	8,645	6,505	4,129
Student residents of any state 4/	10,485	8,412	6,005
Students remaining in state 5/	6,369	4,811	2,542
Migration of students			
Out of state	4,116	3,601	3,463
Into state	2,276	1,694	1,587
Net migration	-1,840	-1,907	-1,876
Fall 2020			
Students enrolled in state 3/	8,157	6,270	4,132
Student residents of any state 4/	9,686	7,635	5,451
Students remaining in state 5/	5,876	4,502	2,429
Migration of students			
Out of state	3,810	3,133	3,022
Into state	2,281	1,768	1,703
Net migration	-1,529	-1,365	-1,319

1/ First-year students, graduating from high school in the past 12 months, who are enrolled at the reporting institutions for the first time.

2/ First-year students who are enrolled at the reporting institutions for the first time.

3/ New students, whether in-migrants or remaining in state.

4/ New students residing in Hawaii when first admitted to the reporting institutions, 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 June 14, 2022.

**Table 3.29-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM:  
2018 TO 2022**

Subject	2018	2019	2020	2021	2022
Library locations, June 30					
State	51	51	51	51	51
Oahu	25	25	25	25	25
Other islands	26	26	26	26	26
Personnel, June 30	566	565	565	563	563
Hours open 1/	98,835	93,742	72,176	65,835	67,370
Collections, June 30 (1,000)	3,400	3,415	3,401	3,255	2/ 2,825
Circulation, year ended June 30 (1,000)	5,888	5,715	4,753	3,645	4,366
eBooks/audio/music circulation, year ended June 30	863,183	968,131	1,145,332	1,157,403	1,181,418
Customer visits (1,000)	3,456	3,436	2,598	713	863
Reference questions (1,000)	480	543	456	225	251
Public computers	779	735	735	344	548
Sites with wireless service	51	51	51	51	51
Internet sessions 3/	1,167,782	1,335,616	1,140,337	74,732	158,099
Library programs	6,108	6,503	4,870	209	1,060
Attendance	147,025	153,079	115,177	2,629	18,348
Group visits	5,145	5,257	3,582	-	528
Attendance	107,647	105,230	72,274	-	8,692

1/ The total annual service hours for all Hawaii State Public Library System libraries are included. Aina Haina Public Library closed for 40 weeks starting in April 2018. Kaneohe Public Library closed for 6 weeks starting in January 2019. Liliha Public Library closed for 31 weeks starting in November 2018. Libraries were closed for parts of 2020 and all libraries had had reduced service hours due to the COVID-19 pandemic in 2021. The Liliha branch was closed for all but 2 weeks in 2021. The Kahului and McCully branches were closed for all of 2021 and 2022. In 2022, the Molokai Bookmobile was off the road due to staff shortages, McCully-Moiliili was closed most of the year for renovations, Hawaii State Library was closed 2 months due to staff shortages, and Naalehu, Hana and Waimea were closed for several weeks for renovations and staff shortages.

2/ The library system did inventory and necessary weeding which resulted in smaller collections.

3/ Because of technical issues, wireless sessions from Kaimuki, Kapolei, and Nanakuli libraries were not included for 2018 through 2020.

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

**Table 3.30-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM,  
BY COUNTY: 2022**

[As of June 30]

County	Library locations	Personnel	Circulation 1/ 2/	
State total	51	563.50	4,366,720	
Oahu	25	420.00	2,132,049	
Hawaii	12	64.50	479,228	
Kauai	6	32.00	202,586	
Maui 3/	8	47.00	309,860	
Statewide eBooks/eAudio	(X)	(X)	1,181,418	
	<b>Collections 4/</b>			
County	Books	Periodical subscriptions	DVDs & video tapes	Sound recordings
State total	2,507,097	952	151,827	112,719
Oahu	1,653,277	606	75,581	56,109
Hawaii	391,597	175	38,644	20,820
Kauai	166,490	86	13,610	4,985
Maui 3/	256,308	73	23,805	11,434
State Library for the Blind and Print Disabled 5/	39,425	12	187	19,371

X Not applicable.

1/ The Molokai Bookmobile was off the road due to staff shortage, McCully-Moiliili was closed most of the year for renovations, Hawaii State Library was closed 2 months due to staff shortages and Naalehu, Hana and Waimea were closed for several weeks for renovations and staff shortages.

2/ Circulation figures include physical items, ebooks and e-audiobooks.

3/ Includes libraries on Lanai (one location), Maui (six locations), and Molokai (one location).

4/ The library system did inventory and necessary weeding which resulted in smaller collections.

5/ 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: 2021 AND 2022**

[Data for 2021 revised from previous *Data Book*]

Campus	Number of print titles, June 30 1/		Circulation, year ended June 30		Number of electronic titles, June 30 2/ 3/		Number of electronic full-text items retrieved, year end June 30 2/	
	2021	2022	2021	2022	2021	2022	2021	2022
All campuses 4/	2,920,935	3,204,660	73,025	102,095	2,438,848	2,269,679	1,681,795	1,690,400
UH Manoa, total	2,387,032	2,719,346	55,745	81,030	1,170,074	1,310,036	1,231,361	1,293,745
UH at Manoa	2,343,326	2,673,974	54,989	79,158	1,110,612	1,237,446	722,937	678,341
Law Library	36,301	36,849	536	1,712	56,831	69,910	413,588	503,213
Health Sciences Library 5/	7,405	8,523	220	160	2,631	2,680	94,836	112,191
UH-West Oahu	35,110	33,615	3,486	771	377,206	389,662	77,002	59,676
UH at Hilo 6/	195,088	161,231	4,800	10,529	376,036	25,521	(NA)	445
UH Maui College 7/	25,406	28,672	2,186	2,164	178,896	100,969	11,491	15,515
Community colleges, total	278,299	261,796	6,808	7,601	336,636	443,491	361,941	321,019
Honolulu	57,577	57,160	1,069	1,393	44,745	45,245	53,903	39,146
Kapiolani	61,652	61,134	1,035	1,730	45,187	60,197	54,427	54,276
Leeward	66,343	47,077	2,714	2,013	83,319	90,797	208,832	196,015
Windward	42,936	43,307	1,052	1,633	80,235	128,403	8,651	6,819
Kauai	47,539	50,913	881	798	39,336	37,085	10,439	(NA)
Hawaii CC - Palamanui	2,252	2,205	57	34	43,814	81,764	25,689	24,763

NA Not available.

1/ Print titles includes books, media, and journals.

2/ Electronic titles include books, media, journals, databases. Prior to 2019, number of electronic titles did not include digital media.

3/ Electronic consortium titles, which are accessed by all campuses, are included with UH at Manoa (479,185 for 2021 and 553,334 for 2022).

4/ Total for reporting campuses.

5/ John A. Burns School of Medicine.

6/ Hawaii Community College is included with the University of Hawaii at Hilo.

7/ 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

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<a href="#">04.02</a>	Index Offenses, by Type of Offense: 2016 to 2020
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## Section 4

# LAW ENFORCEMENT, COURTS, AND PRISONS

Statistics in this section refer to crimes, stolen property, internet crimes, 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, based on reports submitted by the counties' police departments. 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: 2000 TO 2020**

[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/				
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	30.8	29,917	5,881	1,996	6,175
2018	44,617	31.4	31,545	5,439	2,114	5,519
2019	44,324	31.3	32,290	4,592	2,009	5,433
2020	37,597	25.9	27,842	4,643	1,277	3,835

1/ Annual rate per 1,000 resident population based on July 1 estimates by the U.S. Census Bureau, as revised through June 2023. Rates may differ from previous *Data Books* due to revisions to these population figures. 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 May 2, 2023; U.S. Census Bureau, Population Estimates Program, Annual Estimates of the Resident Population for the United States, Regions, States, District of Columbia, and Puerto Rico, <<https://www.census.gov/programs-surveys/popest.html>> accessed May 2, 2023; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 4.02-- INDEX OFFENSES, BY TYPE OF OFFENSE: 2016 TO 2020**

Offense	2016	2017	2018	2019	2020
Total Index Offenses 1/	45,805	43,969	44,617	44,324	37,597
Violent Crime Index 2/	3,452	3,577	3,655	3,782	3,642
Murder	35	39	36	36	39
Rape 3/	601	567	721	640	585
Rape (legacy) 3/	317	366	424	414	373
Robbery	985	1,077	953	1,080	869
Aggravated assault	1,831	1,894	1,945	2,026	2,149
Property Crime Index	42,353	40,392	40,962	40,542	33,955
Burglary	5,983	5,549	5,715	5,535	4,655
Larceny-theft	30,871	29,574	29,601	29,863	24,147
Motor vehicle theft	5,499	5,269	5,646	5,144	5,153
Arson	485	507	427	408	491
Human trafficking -					
Commercial sex acts	2	2	3	2	9
Human trafficking -					
Involuntary servitude	-	-	-	-	-

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 May 2, 2023.

**Table 4.03-- OFFENSES AND OFFENSES CLEARED BY ARREST OR OTHERWISE, BY CLASS OF OFFENSE: 1998 TO 2020**

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)
2018	44,617	108,534	(NA)	(NA)	10.0	(NA)
2019	44,324	107,684	(NA)	(NA)	9.6	(NA)
2020	37,597	82,813	(NA)	(NA)	9.8	(NA)

NA Not available.

1/ An offense is cleared either by arrest or exceptional means. An offense is cleared by arrest when at least one person is arrested; charged with the commission of the offense; and turned over to the court for prosecution. An offense is cleared by exceptional means when the identity of the offender is known; there is enough evidence to support an arrest, charge, and turning over to the court for prosecution; the exact location of the offender is known; and, for reasons outside the control of law enforcement, the offender cannot be arrested, charged, and prosecuted.

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 May 2, 2023.

**Table 4.04-- OFFENSES, BY CLASS OF OFFENSE AND COUNTY:  
2016 TO 2020**

<b>Class of offense and county</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Index Offenses, total 1/	45,805	43,969	44,617	44,324	37,597
Honolulu	32,558	29,917	31,545	32,290	27,842
Hawaii	5,395	5,881	5,439	4,592	4,643
Kauai	1,661	1,996	2,114	2,009	1,277
Maui	6,191	6,175	5,519	5,433	3,835
Part II Offenses, total 2	99,115	106,394	108,534	107,684	3/ 82,813
Honolulu	56,678	61,591	65,193	64,852	65,774
Hawaii	13,435	14,202	12,736	13,291	11,562
Kauai	4,030	6,288	7,233	7,016	5,477
Maui	24,972	24,313	23,372	22,525	(3/)

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.

3/ The number of reported Part II Offenses for 2020 cannot be reported for the County of Maui Police Department due to a change in record management systems.

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 May 2, 2023.

**Table 4.05-- INDEX OFFENSES AND INDEX OFFENSES CLEARED BY ARREST OR OTHERWISE, FOR THE STATE AND OAHU: 2020**

Year and type of offense	Offenses known to police		Percent cleared 1/	
	State	Oahu	State	Oahu
Total Index Offenses	37,597	27,842	9.8	6.9
Violent Crime Index 2/	3,642	2,440	37.1	29.3
Murder	39	21	71.8	71.4
Rape 3/	585	346	24.3	26.9
Rape (legacy) 3/	373	218	(NA)	(NA)
Robbery	869	745	23.0	18.9
Aggravated assault	2,149	1,328	45.6	35.2
Property Crime Index	33,955	25,402	6.9	4.7
Burglary	4,655	3,359	8.6	4.7
Larceny-theft	24,147	18,081	6.7	5.4
Motor vehicle theft	5,153	3,962	6.2	1.7
Arson	491	315	10.8	9.5
Human trafficking -				
Commercial sex acts	9	9	44.4	44.4
Human trafficking -				
Involuntary servitude	-	-	(X)	(X)

NA Not available.

X Not applicable.

1/ An offense is cleared either by arrest or exceptional means. An offense is cleared by arrest when at least one person is arrested; charged with the commission of the offense; and turned over to the court for prosecution. An offense is cleared by exceptional means when the identity of the offender is known; there is enough evidence to support an arrest, charge, and turning over to the court for prosecution; the exact location of the offender is known; and, for reasons outside the control of law enforcement, the offender cannot be arrested, charged, and prosecuted.

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* (2020) <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed May 2, 2023.

**Table 4.06--REPORTED OFFENSES, BY HONOLULU POLICE DEPARTMENT DISTRICT: 2021**

[Reported offenses include unfounded complaints, which are screened out in the counting of actual offenses. Thus, figures may differ from those listed in the Federal Bureau of Investigation Uniform Crime Reports. Counts of reported offenses are a common measure of workload. Offenses for which no police district was listed are not shown in this table]

District	Total index crimes	Violent crime					Property crime			
		Total violent crime	Murder	Rape	Robbery	Aggravated assault	Total property crime	Burglary	Larceny	Auto theft
City & County of Honolulu	33,365	2,533	23	393	830	1,287	30,832	3,598	22,639	4,595
D1 - Downtown Honolulu-Makiki	6,731	607	3	51	303	250	6,124	499	4,756	869
D2 - Mililani-Wahiawa-North Shore	2,495	164	2	43	30	89	2,331	300	1,622	409
D3 - Pearl City-Waipahu-Aiea	3,977	226	4	31	68	123	3,751	450	2,690	611
D4 - Kailua-Kaneohe-Kahuku	2,660	179	3	46	32	98	2,481	300	1,876	305
D5 - Kalihi-Kapalama-Moanalua	4,883	372	2	49	132	189	4,511	471	3,314	726
D6 - Waikiki	3,086	221	2	43	78	98	2,865	217	2,262	386
D7 - East Oahu	4,953	283	2	53	85	143	4,670	812	3,230	628
D8 - Makaha-Kapolei-Waianae	4,580	481	5	77	102	297	4,099	549	2,889	661

Source: City and County of Honolulu, Honolulu Police Department, *2021 Annual Report* <<https://www.honolulu.org/information/annual-report/>> accessed May 5, 2023, and calculations by the Hawaii State Department of Business, Economic Development and Tourism.



**Table 4.07-- PERSONS ARRESTED FOR INDEX AND PART II OFFENSES, BY AGE AND SEX, AND BY COUNTY: 2020**

Subject	State total	Honolulu	Hawaii	Maui	Kauai
Index Offenses 1/					
Total	4,099	1,889	1,118	705	387
Juveniles	248	163	38	31	16
Male	205	143	32	21	9
Female	43	20	6	10	7
Adults	3,851	1,726	1,080	674	371
Male	2,999	1,415	812	512	260
Female	852	311	268	162	111
Part II Offenses 2/					
Total	48,177	32,330	7,021	6,026	2,800
Juveniles	2,707	1,898	355	198	256
Male	1,581	1,138	204	117	122
Female	1,126	760	151	81	134
Adults	45,470	30,432	6,666	5,828	2,544
Male	33,975	22,853	4,905	4,385	1,832
Female	11,495	7,579	1,761	1,443	712

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, *2020 Uniform Crime Reports* <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed May 17, 2023.

**Table 4.08-- CHILD ABUSE AND NEGLECT REPORTS: 1975 TO 2021**

[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	1999	5,962	2,935
1976	1,325	634	2000	6,184	3,533
1977	1,794	841	2001	7,210	3,930
1978	1,845	1,110	2002	7,318	3,744
1979	2,290	1,109	2003	7,835	3,868
1980	2,106	1,059	2004	6,823	3,396
1981	2,360	1,137	2005	5,207	2,645
1982	2,685	1,379	2006	3,974	1,928
1983	3,635	1,621	2007	4,690	2,082
1984	4,388	2,180	2008	4,628	1,850
1985	4,359	2,391	2009	5,939	2,174
1986	4,900	2,629	2010	4,199	1,575
1987	4,741	2,555	2011	3,751	1,424
1988	3,893	2,315	2012	3,948	1,392
1989	4,054	2,386	2013	3,752	1,329
1990	4,407	2,392	2014	3,681	1,406
1991	4,365	2,318	2015	3,747	1,568
1992	4,568	2,485	2016	3,626	1,355
1993	4,753	2,411	2017	3,702	1,297
1994	5,186	2,334	2018	4,231	1,296
1995	4,984	2,317	2019	4,697	1,387
1996	4,775	2,268	2020	5,389	1,276
1997	5,235	2,531	2021	5,820	1,495
1998	4,762	2,242			

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 23, 2023.

**Table 4.09-- CHARACTERISTICS OF CHILD ABUSE AND NEGLECT VICTIMS: 2018 TO 2021**

[Confirmed, unduplicated count of children]

Subject	2018	2019	2020	2021
Total	1,267	1,348	1,198	1,386
Type 1/ <sup>1/</sup>				
Physical abuse	120	131	107	97
Neglect	188	244	239	282
Medical neglect	17	10	8	13
Sexual abuse	72	92	93	64
Psychological abuse	8	18	21	7
Sex trafficking	10	15	15	24
Threatened harm	1,155	1,205	1,043	1,244
County				
Hawaii	338	438	280	435
Honolulu	641	684	612	656
Kauai	92	86	112	126
Maui	196	140	194	169
Victim characteristics				
Female (percent)	49.0	49.0	52.4	52.7
Age (percent)				
Under 5	41.0	38.4	36.8	37.3
5 to 11 years	34.5	35.2	36.1	36.1
12 to 17 years	24.2	26.3	27.0	26.6
Unknown	0.2	0.2	0.1	0.0
Race and ethnicity (percent)				
Hawaiian or Part Hawaiian	40.2	39.8	38.0	39.8
White	18.2	17.7	19.3	21.6
Filipino	8.1	7.1	7.9	7.6
Samoan	5.1	3.9	3.6	2.6
Hispanic/Spanish	4.2	3.5	3.8	3.2
Micronesian	2.9	2.6	2.7	5.6
Black or African American	2.7	1.6	3.2	2.0
Multi-racial	11.0	9.7	7.8	7.8
Other	5.7	9.4	7.4	6.0
Unknown	2.0	4.7	6.4	3.8

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 23, 2023; 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 2020**

Year	Motor vehicle thefts			Other stolen property		
	Value stolen (\$1,000)	Value recovered		Value stolen (\$1,000)	Value recovered	
		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
2018	30,594.7	13,868.0	45.3	49,134.6	2,897.1	5.9
2019	31,816.5	16,761.0	52.7	53,195.1	3,433.3	6.5
2020	31,909.4	17,830.1	55.9	44,235.3	3,124.6	7.1

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 May 2, 2023; 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: 2020**

[In thousands of dollars unless otherwise specified]

Subject	State total	Honolulu	Hawaii	Maui	Kauai
Value of property stolen	76,144.7	56,287.4	8,597.7	9,564.2	1,695.4
Motor vehicles	31,909.4	26,447.6	1,808.9	3,174.1	478.7
Other property	44,235.3	29,839.8	6,788.8	6,390.1	1,216.7
Value of stolen property recovered 1/	20,954.6	14,947.6	1,925.4	3,442.6	639.1
Motor vehicles	17,830.1	13,332.0	1,486.5	2,676.4	335.2
Other property	3,124.6	1,615.6	438.9	766.2	303.8
Percent of value recovered	27.5	26.6	22.4	36.0	37.7
Motor vehicles	55.9	50.4	82.2	84.3	70.0
Other property	7.1	5.4	6.5	12.0	25.0

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, *2020 Uniform Crime Report* <<http://ag.hawaii.gov/cpja/rs/cih/>> accessed May 17, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 4.12-- CRIME RATES FOR HAWAII AND THE UNITED STATES:  
2019 AND 2020**

[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. Hawaii's crime rates are compiled by the Hawaii State Department of Attorney General's office, based on annual reports from the counties' respective police departments. The United States' crime rates are based on FBI data, which may have been estimated for certain jurisdictions if federal reporting deadlines were not met]

Type of offense	Hawaii		United States	
	2019	2020	2019 1/	2020
Violent crime	267.1	258.8	380.8	398.5
Property crime	2863.4	2413.3	2,130.6	1,958.2

1/ Revised from previous *Data Book*.

Source: U.S. Department of Justice, Federal Bureau of Investigation, Criminal Justice Information Services Division, *Crime Data Explorer* <<https://cde.ucr.cjis.gov/LATEST/webapp/#!/pages/explorer/crime/crime-trend>> accessed May 2, 2023; Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, *Crime in Hawaii: Uniform Crime Report* (annual) <<https://http://ag.hawaii.gov/cpja/rs/cih/>> accessed May 2, 2023.

**Table 4.13-- INTERNET CRIME, BY NUMBER OF COMPLAINTS AND VICTIM LOSSES: 2012 TO 2022**

[Data based on the total number of individual complaints received by 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	Victim losses (\$)
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
2020	1,978	13,671,531
2021	1,615	18,964,018
2022	1,703	35,776,983

Source: Federal Bureau of Investigation, Internet Crime Complaint Center (IC3), *IC3 Annual Report* <<https://www.ic3.gov/Home/AnnualReports>> accessed April 4, 2023.

**Table 4.14-- AUTHORIZED POLICE PERSONNEL, BY COUNTY: 2021 AND 2022**

[As of December 31]

Status	State total	Honolulu	Hawaii	Kauai	Maui
2021					
Total	3,802	2,587	555	236	424
Sworn, active	2,659	1,828	387	154	290
Sworn, reserve (unpaid)	223	195	21	-	7
Training pool	200	136	45	9	1/ 10
Not sworn (civil service)	720	428	102	73	2/ 117
Police radio dispatcher 3/ 4/	(NA)	(NA)	19	17	17
2022					
Total	(NA)	(NA)	572	(NA)	391
Sworn, active	(NA)	(NA)	421	(NA)	278
Sworn, reserve (unpaid)	(NA)	(NA)	18	(NA)	6
Training pool	(NA)	(NA)	7	(NA)	1/ 14
Not sworn (civil service)	(NA)	(NA)	126	(NA)	2/ 93
Police radio dispatcher 3/ 4/	(NA)	(NA)	31	(NA)	16

NA Not available.

1/ Only includes Police Officers I.

2/ Includes 6 supervising emergency services dispatchers. For 2021, includes exempt hires.

3/ Included in civilian total.

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

Source: County police departments, records.



**Table 4.15-- COURTS, JUDGES, MAGISTRATES, AND ATTORNEYS:  
2020 TO 2022**

[As of June 30 unless otherwise specified]

Subject	2020	2021	2022
Federal judges and magistrates 1/			
U.S. Bankruptcy Court	1	(NA)	(NA)
U.S. District Court	7	(NA)	(NA)
State justices and judges 2/			
Supreme Court	5	5	5
Intermediate Court of Appeals	6	6	6
Circuit Courts 3/	34	34	34
Assigned to Family Court	4	4	4
District Courts 4/	39	39	39
Assigned to Family Court	15	15	15
Attorneys licensed in Hawaii (includes judges) 5/	8,111	8,130	8,259
Active	4,933	4,895	4,961
Inactive	3,178	3,235	3,298

NA Not available.

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/ 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\\_2020/About%20Us/Member\\_Demographics/HSBA\\_2020/About\\_Us/Member\\_Demographics.aspx](https://hsba.org/HSBA_2020/About%20Us/Member_Demographics/HSBA_2020/About_Us/Member_Demographics.aspx)> accessed March 7, 2023.

**Table 4.16-- UNITED STATES DISTRICT COURT CASES: 2018 TO 2022**

[Fiscal year ending September 30]

Subject	2018	2019	2020	2021	2022
Civil cases					
Commenced (filings)	522	697	608	590	575
Terminated 1/	629	636	646	622	585
Pending 1/	526	587	549	517	507
Criminal cases 2/					
Commenced (filings)	203	216	160	220	132
Terminated	190	199	146	210	176
Pending 3/	467	492	500	521	479
Bankruptcy					
Commenced (filings)	1,503	1,650	1,609	1,330	990
Business	68	59	66	55	31
Nonbusiness	1,435	1,591	1,543	1,275	959
Terminated	1,510	1,760	1,618	1,503	1,058
Pending	2,043	1,933	1,923	1,750	1,682

1/ Includes cases filed in previous years as consolidated cases that thereafter were severed into individual cases.

2/ 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.

3/ 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 25, 2023.

**Table 4.17-- UNITED STATES BANKRUPTCY COURT CASES FILED UNDER CHAPTERS 7, 11 AND 13 OF THE BANKRUPTCY CODE: 2004 TO 2022**

[Based upon original chapter designation at the time the case is originally filed. Table includes cases filed in 2022 which were on the caseload as of December 31, 2022]

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
2020	1,150	43	1,107	3	3	-	350	7	343
2021	838	29	809	9	9	-	319	7	312
2022	611	33	578	14	10	4	314	4	310

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:  
2020 TO 2022**

[Fiscal year ending June 30]

<b>Court and type of action</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Supreme Court	622	692	407
Primary cases	297	273	219
Applications for transfer	15	19	13
Appeals	181	140	102
Original proceedings	101	114	104
Supplemental proceedings	325	419	188
Intermediate Court of Appeals	2,718	2,328	2,184
Primary cases	462	371	400
Supplemental proceedings	2,256	1,957	1,784
Circuit Courts Proper	14,826	15,070	15,845
Civil actions	3,119	2,589	2,426
Probate proceedings	1,586	1,657	1,800
Conservatorship/guardianship proceedings	206	259	227
Trust proceedings	299	296	250
Miscellaneous proceedings	5,557	6,449	7,277
Criminal actions	4,059	3,820	3,865
Family Courts	22,394	19,864	19,019
Marital actions and proceedings	4,267	4,303	4,036
Civil union actions and proceedings	4	7	11
Uniform interstate family support	245	233	169
Adoption proceedings	338	411	578
Parental proceedings	1,240	1,412	1,075
Domestic Abuse Protective Orders (Ch. 586)	4,963	4,833	4,770
Miscellaneous proceedings	1,937	2,313	1,900
Criminal actions	2,559	2,439	2,073
Children's referrals	6,841	3,913	4,407

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**Table 4.18-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:  
2020 TO 2022 -- Con.**

<b>Court and type of action</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
District Court	376,619	438,647	392,566
Total cases, excluding traffic and parking cases	62,798	94,507	48,029
Civil actions	21,184	21,107	18,293
Regular civil	14,080	15,532	13,569
Small claims	4,374	2,340	1,514
Temporary Restraining Order (TRO)	2,688	3,156	2,873
Special proceedings	31	63	328
Ignition interlock	11	16	9
Criminal actions	40,483	71,690	28,099
Other violations	1,131	1,710	1,637
Total traffic and parking cases	309,418	340,201	340,762
Criminal	30,731	31,552	27,469
Felony	43	72	53
Misdemeanor	30,688	31,480	27,416
Non-criminal traffic violations	148,578	170,306	(NA)
Parking violations	128,912	137,609	(NA)
Other violations	1,197	734	(NA)
Other traffic and parking proceedings	4,403	3,939	3,775
Appeals	5	-	13
Administrative reviews	4,398	3,939	3,762

NA Not available.

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

<[http://www.courts.state.hi.us/news\\_and\\_reports/reports/reports](http://www.courts.state.hi.us/news_and_reports/reports/reports)> accessed January 31, 2023.

**Table 4.19-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:  
2020 TO 2022**

[Fiscal year ending June 30]

<b>Court and type of action</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Supreme Court	658	689	430
Primary cases	337	268	236
Applications for transfer	15	17	16
Appeals	211	135	120
Original proceedings	111	116	100
Supplemental proceedings	321	421	194
Intermediate Court of Appeals	2,695	1/ 2,315	2,175
Primary cases	443	1/ 363	404
Supplemental proceedings	2,252	1,952	1,771
Circuit Courts Proper	10,407	11,305	14,184
Civil actions	3,389	3,469	4,964
Probate proceedings	895	1,956	1,532
Conservatorship/guardianship proceedings	40	279	918
Trust proceedings	46	199	109
Miscellaneous proceedings	2,270	1,878	2,650
Criminal actions	3,767	3,524	4,011
Family Courts	19,258	17,668	13,770
Marital actions and proceedings	3,914	3,679	1,975
Civil actions and proceedings	12	5	3
Uniform interstate family support	194	170	239
Adoption proceedings	298	305	410
Parental proceedings	1,006	1,044	548
Domestic Abuse Protective Orders (Ch. 586)	4,569	3,214	3,393
Miscellaneous proceedings	1,295	1,913	1,320
Criminal actions	1,656	2,093	1,839
Children's referrals	6,314	5,245	4,043

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**Table 4.19-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:  
2020 TO 2022 -- Con.**

<b>Court and type of action</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
District Court	395,802	509,119	454,051
Total cases, excluding traffic and parking cases	49,773	110,391	63,830
Civil actions	14,975	21,168	25,132
Regular civil	9,761	15,212	18,740
Small claims	3,000	3,182	3,861
Temporary restraining orders (TRO)	2,192	2,730	2,277
Special proceedings	13	28	246
Ignition interlock	9	16	8
Criminal actions	33,542	87,315	36,788
Other violations	1,256	1,908	1,910
Total traffic and parking cases	339,189	392,463	386,050
Criminal	35,191	40,431	51,999
Felony	35	65	54
Misdemeanor	35,156	40,366	51,945
Non-criminal traffic violations	170,164	204,488	192,358
Parking violations	132,020	146,353	140,435
Other violations	1,814	1,191	1,258
Other traffic and parking proceedings	6,840	6,265	4,171
Appeals	1	-	11
Administrative reviews	6,839	6,265	4,160

1/ Revised from previous *Data Book*.

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

<[http://www.courts.state.hi.us/news\\_and\\_reports/reports/reports](http://www.courts.state.hi.us/news_and_reports/reports/reports)> accessed January 31, 2023.

**Table 4.20-- INMATES PRESENT IN STATE CORRECTIONAL FACILITIES:  
ANNUAL AVERAGE, 2005 TO 2022**

[Mean head count for fiscal year ending June 30]

Year	Total	Adult facilities 1/				Juvenile facilities 2/	
		Sentenced felons 3/	Sentenced to jail 4/	Not sentenced	Technical violators 5/	Boys	Girls
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	3,613	6/ 994	350	1,066	1,180	20	3
2020	3,222	6/ 989	236	939	1,034	20	4
2021	2,935	903	260	890	863	15	4
2022	3,119	1,081	253	1,080	685	17	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/ From 2005, figures include only youths physically housed in the Hawaii Youth Correctional Facility.

3/ 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.

4/ Includes felon probationers serving jail terms under one year.

5/ Consists of parole and probation violators, previously included in the "Not Sentenced" category.

6/ In February 2017, Halawa Correctional Facility transferred over 240 inmates to Arizona while renovations were done at the facility. Renovations were completed in May 2020.

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 AGE AND AVERAGE SENTENCE OF SENTENCED FELON POPULATION: 1997 TO 2022**

[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
2020	37	42	(NA)	(NA)	58
2021	35	43	(NA)	(NA)	60
2022	34	41	(NA)	(NA)	64

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 2022**

[Fiscal year ending June 30]

Year	Assigned total inmate population 1/	Population at contracted facilities	
		Total	Percent of inmate population
1997	4,604	300	6.5
1998	5,216	600	11.5
1999	5,043	1,178	23.4
2000	5,127	1,079	21.0
2001	5,412	1,194	22.1
2002	5,569	1,232	22.1
2003	5,657	1,295	22.9
2004	5,958	1,579	26.5
2005	6,092	1,730	28.4
2006	6,251	1,844	29.5
2007	6,045	2,009	33.2
2008	6,014	2,014	33.5
2009	6,005	2,077	34.6
2010	5,987	1,940	32.4
2011	6,090	1,667	27.4
2012	6,073	1,677	27.6
2013	5,853	1,415	24.2
2014	5,819	1,286	22.1
2015	6,024	1,341	22.3
2016	5,970	1,386	23.2
2017 2/	5,669	1,617	28.5
2018 2/	5,477	1,460	26.7
2019 2/	5,427	1,440	26.5
2020 2/	4,449	1,126	25.3
2021	4,104	1,067	26.0
2022	4,258	1,077	25.3

1/ Number of inmates on a specific date who are under the jurisdiction of the Hawaii Department of Public Safety. This includes inmates physically present at one of the correctional facilities operated by the Department of Public Safety, housed in an out-of-state or contracted facility, on furlough, in a medical facility, on escape status or serving intermittent sentences.

2/ In February 2017, Halawa Correctional Facility (HCF) transferred over 240 inmates to Arizona while renovations were done at the facility. Renovations were completed in May 2020.

Source: Hawaii State Department of Public Safety, *Annual Report 2003* and Inmate Population "Department of Public Safety End of Month Population Report"

<[http://www.hawaii.gov/psd/psd\\_home.php](http://www.hawaii.gov/psd/psd_home.php)> accessed June 6, 2005 and records.

**Table 4.23-- HAWAII PAROLING AUTHORITY STATISTICAL SUMMARY:  
2019 TO 2022**

[Fiscal year ending June 30]

Item	2019	2020	2021	2022
Number of parolees	1,582	1,524	1,626	1,347
Active cases	1,463	1,444	1,515	1,241
Outside Hawaii	191	174	177	172
Interstate compact 1/	128	121	131	132
Other supervision 2/	63	53	46	40
Reciprocal supervision 3/	31	34	26	24
In institution	41	26	39	27
Suspended cases (whereabouts unknown)	119	80	111	106
Minimum imprisonment terms fixed	2,171	1,317	1,357	1,337
Number of persons for whom minimum terms fixed	681	429	412	488
Number of parole consideration hearings	2,923	2,582	2,431	1,861
Paroles granted	768	803	900	528
Paroles denied	1,693	1,534	1,100	1,128
Paroles deferred/continued	459	237	428	205
Escape	3	8	3	-
Persons considered for parole	1,932	1,761	1,656	1,462
Parolees released	698	686	704	462
Parole violation hearings	433	394	618	468
Parole revoked	363	321	363	280
Continued on parole	34	43	60	75
Deferred/rescheduled	36	30	195	113
Pardon investigations conducted	24	36	17	27
Persons recommended for pardon	6	18	9	8
Persons discharged from parole	188	361	229	234
Early discharge	38	79	54	60
Full parole term before discharge	143	269	159	152
Deceased	7	13	16	22

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 April 25, 2023, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

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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'
Laaupoint	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" <<https://savvytime.com/converter/>> accessed June 25, 2021.

**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 BY COUNTY AND ISLANDS**

County and island	General coastline 1/		Tidal shoreline 2/	
	Statute miles	Kilometers 3/	Statute miles	Kilometers 3/
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
Niihau	3	5	3	5
Necker Island	2	3	2	3
French Frigate Shoals	6	10	6	10
Laysan Island	6	10	6	10
Lisianski Island	3	5	3	5
Kure Atoll	5	8	5	8

1/ Figures are lengths of general outline of seacoast. Data for the four islands of Maui County are not consistent with the reported county total.

2/ 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.

3/ 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.

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: 2020 AND 2022**

[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
2020				
State total	565	301	53.3	100.0
Kauai	82	41	50.0	13.6
Oahu	192	99	51.6	32.9
Molokai	36	3	8.3	1.0
Lanai	17	6	35.3	2.0
Maui	129	89	69.0	29.6
Hawaii	109	63	57.8	20.9
2022				
State total	1,097	403	36.7	100.0
Kauai	156	65	41.7	16.1
Oahu	283	141	49.8	35.0
Molokai	86	3	3.5	0.7
Lanai	49	7	14.3	1.7
Maui	242	108	44.6	26.8
Hawaii	281	79	28.1	19.6

1/ Number of coastal waters is based on the total number of scopes of assessments in the integrated reports.

2/ Impaired coastal waters for one of more conventional pollutants.

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

**Table 5.07-- LAND AND WATER AREA WITHIN THE FISHERY CONSERVATION ZONE**

[Land and water area within the 200 nautical mile Fishery Conservation Zone surrounding the Hawaiian Archipelago]

<b>Unit</b>	<b>Total area</b>	<b>Land area</b>	<b>Water area</b>
Square nautical miles	634,023	4,852	629,171
Square statute miles	839,623	6,425	833,198
Square kilometers	2,174,626	16,641	2,157,985

Source: Marine Surveys and Maps, National Ocean Survey, U.S. Department of Commerce, National Oceanic and Atmospheric Administration, information supplied September 15, 1978.

**Table 5.08-- HAWAIIAN PERENNIAL STREAMS, BY ISLAND: 2020 AND 2022**

[Perennial refers to fresh waters flowing year-round in all or part of natural channels. Perennial streams discharge continuously to the ocean in their natural state and contain water in the entire length of the stream channel year-round. Flow in perennial streams may vary seasonally and may be modified by humans. 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)]

Island	Total number of streams 1/	Number of impaired streams 2/	Percentage of total impaired streams	Island percentage of total impaired streams
2020				
State total	169	92	54.4	100.0
Kauai	30	23	76.7	25.0
Oahu	50	41	82.0	44.6
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
2022				
State total	204	121	59.3	100.0
Kauai	37	30	81.1	24.8
Oahu	71	57	80.3	47.1
Molokai	6	1	16.7	0.8
Lanai	-	-	0.0	0.0
Maui	50	13	26.0	10.7
Hawaii	40	20	50.0	16.5

1/ Number of streams is based on individual streams, not wet/dry season.

2/ Impaired streams for one of more conventional pollutants. 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.

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

**Table 5.09-- LAND AREA, BY COUNTY: 2020**

<b>Measurement unit</b>	<b>State total</b>	<b>Hawaii</b>	<b>Maui</b>	<b>Kalawao</b>	<b>Honolulu</b>	<b>Kauai</b>
Square miles	6,422.5	4,028.4	1,161.5	12.0	600.6	619.9
Square kilometers 1/	16,634.2	10,433.5	3,008.3	31.1	1,555.5	1,605.5

1/ Square kilometers were calculated by converting square miles (1 sq mile = 0.38610 km sq). Values were then rounded after calculation.

Source: U.S. Census Bureau, "2020 Census Demographic Map Viewer" <<https://mtgis-portal.geo.census.gov/arcgis/apps/MapSeries/index.html?appid=2566121a73de463995ed2b2fd7ff6eb7>> accessed May 18, 2022; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**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
Niihoa	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 population, see 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

Continued on next page.

**Table 5.13-- ELEVATION OF MAJOR SUMMITS -- Con.**

Island and summit	Feet	Meters
Kauai		
Kawaikini	5,243	1,598
Waialeale	5,148	1,569
Kalalau Lookout	4,120	1,256
Haupu	2,297	700
Sleeping Giant (Nonou)	1,241	378
Niihau		
Paniau	1,250	381
Lehua	699	213
Kaula	548	167
Nihoa		
Millers Peak	903	275
Necker Island		
Summit Hill	276	84
French Frigate Shoals		
La Perouse Pinnacles	120	37
Gardner Pinnacles	190	58
Maro Reef	Awash	Awash
Laysan Island	40	12
Lisianski Island	40	12
Pearl and Hermes Atoll	10	3
Midway Islands	12	4
Kure Atoll	20	6

1/ According to the *1995 Guinness Book of Records* (p. 147), "The world's tallest mountain measured from its submarine base (3,280 fathoms) in the Hawaiian Trough to its peak is Mauna Kea... with a combined height of 33,480 ft., of which 13,796 ft. are above sea level."

Source: Hawaii State Department of Accounting and General Services, Survey Division, data provided April 21, 1992; U.S. National Cartographic Information Center, data provided October 11, 1978; U.S. Geological Survey topographic maps, 1981-1984; Hawaiian Government Survey (for Nihoa and Molokini); and U.S.S. Tanager survey, 1923 (for Necker Island, French Frigate Shoals, Laysan, Lisianski, Pearl and Hermes Atoll and Kure Atoll).

**Table 5.14-- MAJOR NAMED WATERFALLS, BY ISLAND**

Island	Waterfall	Height (feet)		Horizontal distance (feet)
		Sheer drop	Cascade	
Hawaii	Kaluahine	(NA)	620	400
	Akaka	442	(NA)	(NA)
	Waiilikahi	320	(NA)	6
Maui	Honokohau	(NA)	1,120	500
	Waihiumalu	(NA)	400	150
Molokai	Kahiwa	(NA)	1,750	1,000
	Papalaua	(NA)	1,200	500
	Wailele	(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 (0.5 miles 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: U.S. Geological Survey, records; and other data from Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records.

**Table 5.16-- LAKES AND LAKE-LIKE WATERS, BY ISLAND**

Island and lake	Type	Elevation (feet)	Area 1/ (acres)	Maximum depth (feet)
<b>Hawaii</b>				
Green Lake	Lake	3	2	20
Lake Waiau 2/	Lake	13,020	2	10
Waiakea Pond	Tidal pond	(3/)	27	7
<b>Maui</b>				
Kanaha Pond	Marsh	(3/)	41	3
Kealia Pond	Marsh	(3/)	500	(NA)
Waieleele	Pond	6,690	0.5	21
<b>Molokai</b>				
Kauhako	Pool	(3/)	0.9	814
Kualapuu Reservoir	Reservoir	821	100	50
Meyer Lake	Impoundment	2,021	6-10	5
<b>Oahu</b>				
Hoomaluhia	Reservoir	202	90	90
Kaelepulu Pond	Lake	(3/)	198	(NA)
Kawainui Marsh	Marsh	(3/)	1,000	(NA)
Wahiawa Reservoir	Reservoir	842	302	85
<b>Kauai</b>				
Nomilu Fishpond	Pond	(3/)	20	66
Waita Reservoir	Reservoir	241	424	23
<b>Niihau</b>				
Halalii Lake	Playa	(3/)	841-865	(NA)
Halulu Lake	Playa	(3/)	182-371	(NA)
<b>Laysan</b>				
Laysan Lagoon	Closed lagoon	(3/)	161	16

NA Not available.

1/ Ranges shown for Meyer Lake, Halalii Lake, and Halulu Lake reflect differences in estimates between sources.

2/ Highest lake in the State and third highest in the United States.

3/ Sea level.

Source: J.A. Maciolek, *Lakes and Lake-like Waters of the Hawaiian Archipelago* (Bernice P. Bishop Museum, Occasional Papers, Vol. XXV, No. 1, April 30, 1982); and Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, May 18, 1994.



**Table 5.17-- LENGTH AND WIDTH OF SELECTED BEACHES**

[Includes the longest white sand beach on each inhabited island, plus other important beaches]

Island and beach	Length (miles)	Width 1/ (feet)
Hawaii		
Hapuna	0.5+	200+
Maui		
Spreckelsville	2+	(NA)
Kaanapali	1.5	60-80
Lanai		
Polihua	1.5+	(NA)
Molokai		
Papohaku	2+	300
Oahu		
Waikiki	2	(NA)
Waimanalo	3.5-4.5	(NA)
Sunset	2-3+	200
Kauai		
Polihale to Kekaha	15	300
Polihale	3	300
Niihau		
Keawanui	3.5	175

NA Not available.

1/ Summer averages. Many beaches in Hawaii are seasonally reduced in width by winter storms.

Source: Hawaii State Department of Planning and Economic Development, *Hawaii's Shoreline* (1965), pp. 33, 47, 55, 62, 68, and 100; John R. K. Clark, *Beaches of the Big Island* (1985), p. 132, *The Beaches of Maui County* (1980), pp. 10, 62, 84-85, and 114, *The Beaches of O'ahu* (1977), pp. 45, 125, and 177, and *Beaches of Kaua'i and Ni'ihau* (1990), pp. 48-49 and 84.

**Table 5.18-- MISCELLANEOUS GEOGRAPHIC STATISTICS, BY ISLAND**

Island	Extreme length (miles)	Extreme width (miles)	Miles of sea cliffs with heights 1,000 ft. or more 1/	Miles from coast of most remote point	Percent of area within 5 miles of coast
State total	(X)	(X)	33	28.5	48.6
Hawaii	93	76	4	28.5	30.0
Maui	48	26	-	10.6	76.1
Kahoolawe	11	6	-	2.4	100.0
Lanai	18	13	1	5.2	100.0
Molokai	38	10	14	3.9	100.0
Oahu	44	30	-	10.6	79.0
Kauai	33	25	11	10.8	65.0
Niihau	8	6	3	2.4	100.0
	<b>Percent of area with elevation</b>			<b>Percent of area with slope</b>	
	<b>Less than 500 feet</b>	<b>2,000 feet or more</b>	<b>Approximate mean altitude (feet)</b>	<b>Less than 10 percent</b>	<b>20 percent or more</b>
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 2022,  
KILAUEA 1969 TO 2023**

[As of July 6, 2023. Four volcanoes have erupted in historical times: Haleakala, last active in 1460; Hualalai, last active in 1801; Mauna Loa, last active in 2022; Kilauea, last active in 2023]

Volcano and date of outbreak	Duration (days)	Location 1/	Elevation of main vent (meters)	Area covered by lava flows (km <sup>2</sup> )	Volume of lava and/or ash erupted (km <sup>3</sup> )
<b>Mauna Loa</b>					
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
2022: Nov. 27 2/	13	S, NER	3,500	42.7	0.1500
<b>Kilauea</b>					
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	(3/)
2018: May 3	126	LER	200	35.5	1.0550
2020: Dec. 20 2/	4/ 154	C	715	0.5	0.0410
2021: Sept. 29 2/	4/ 437	C	755	4/ 1.2	4/ 0.1108
2023: Jan. 5 2/	62	C	887	1.2	0.0167
2023: June 7 2/	15	C	910	1.5	0.0091

1/ C, summit caldera; ER, east rift zone; NER, northeast rift zone; S, summit area; SWR, southwest rift LER, lower east rift zone. All historic Mauna Loa eruptions began as summit eruptions, and then either zone; remained in the summit or migrated down one of the rift zones.

2/ Preliminary results.

3/ Halemaumau Overlook Crater contained a lava lake with an area of 41,000 square meters, and total erupted mass of ash ejecta was  $2.9 \times 10^6$  kg.

4/ Revised from previous *Data Book*.

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 (USGS), Hawaiian Volcano Observatory <<https://www.usgs.gov/observatories/hvo>> and USGS records.

**Table 5.20-- EARTHQUAKES OF MAGNITUDE 6.2 OR GREATER: 1905 TO 2023**

[As of June 7, 2023. Includes all earthquakes with magnitudes of 6.2 or greater]

Date and time (HST)		Location	Magnitude
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	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	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
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
2021: October 10	11:48 AM	Na'alehu, Hawaii	6.2

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/>> accessed June 7, 2023 and records.

**Table 5.21-- EARTHQUAKES WITH INTENSITIES OF V OR GREATER ON OAHU: 1859 TO 2023**

[As of July 10, 2023]

<b>Date (HST)</b>	<b>Epicentral location</b>	<b>Magnitude</b>	<b>Oahu average intensity (Modified Mercalli Scale 1/)</b>
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 awakened. Liquids distributed, some spilled. Small unstable objects displaced or upset. Doors, shutters, pictures swing. Pendulum clocks stop.

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

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

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. U.S. Geological Survey, Hawaiian Volcano Observatory, Seismic Catalog <<https://earthquake.usgs.gov/earthquakes/>> accessed July 10, 2023.

**Table 5.22-- TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET) OR MORE: 1812 TO 2023**

[As of March 16, 2023]

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)
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
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	3.6	12	-	Scattered flooding, N. Maui, N. Oahu
1896: June 15	Keauhou, Hawaii	Japan	5.5	18	-	Houses, wharfs, stores destroyed
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 4	Waikolu Valley, Molokai	Aleutian Islands	16.5	54	158	\$26,000,000
1952: March 17	Kalapana, Hawaii	Hawaii	3.0	10	-	No damage
1952: Nov. 4	Kaena, Oahu	Kamchatka	10.4	34	-	\$1,000,000
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)

Continued on next page.

**Table 5.22-- TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET) OR MORE: 1812 TO 2023 -- Con.**

NA Not available.

1/ Earliest tsunami for which definite information exists.

2/ Probable source.

Source: George Pararas-Carayannis, "Catalog of Tsunamis in the Hawaiian Islands" (U.S. Coast and Geodetic Survey, May 1969); Harold G. Loomis, "The Tsunami of November 29, 1975 in Hawaii" (Hawaii Institute of Geophysics, December 1975), pp. 1 and 10; D.C. Cox and J. Morgan, "Local Tsunamis and Possible Local Tsunamis in Hawaii" (Hawaii Institute of Geophysics, Report HIG 77-14, November 1977); Doak C. Cox, "Tsunami Casualties and Mortality in Hawaii" (University of Hawaii, Environment Center, June 1987), p. 39; James F. Lander and Patricia A. Lockridge, *United States Tsunamis (Including United States Possessions) 1690-1988*, Publication 41-2, National Geophysical Data Center, August 1989, pp.17-77; U.S. Geological Survey, Hawaiian Volcano Observatory, records; Pacific Tsunami Warning Center, records; and National Oceanic and Atmospheric Administration, National Geophysical Data Center, Tsunami Runup database <<https://www.ngdc.noaa.gov/hazel/view/hazards/tsunami/runup-search>> accessed March 16, 2023.

**Table 5.23-- MAJOR DAMS: 2022**

[As of December 31. 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	1969	57	7,100	0.21	5,082
Kaneohe Dam	Kaneohe, Oahu	Flood control	1980	83	2,200	2.45	4,500
Nuuanu Dam No. 4	Honolulu, Oahu	Flood control	1910	66	2,120	1.40	3,600
Alexander	Kalaheo, Kauai	Hydroelectric	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	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 Hawaii State Department of Land & Natural Resources, Dam Inventory System <<http://dams.hawaii.gov/Default.aspx>> accessed on January 26, 2023.



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

[Million gallons per day]

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

Source: U.S. Geological Survey, Water Resources, *Water Use in the United States, Estimated Use of Water in the United States County-Level Data for 2015* <<https://www.sciencebase.gov/catalog/item/5af3311be4b0da30c1b245d8>> accessed April 24, 2020.

**Table 5.25-- WATER SERVICES AND CONSUMPTION, FOR COUNTY WATERWORKS: 2020 TO 2022**

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

Geographic area	Number of services			Consumption (million gallons)		
	2020	2021	2022	2020	2021	2022
State total	277,772	278,428	279,701	70,942	71,232	72,494
City and County of Honolulu	173,347	174,066	174,330	46,256	46,823	46,915
Honolulu District 1/	63,667	63,771	63,815	27,633	27,080	27,561
Rest of Oahu	109,680	110,295	110,515	18,622	19,743	19,354
Hawaii County	45,000	44,784	45,154	8,805	8,918	9,070
Kauai County	22,356	22,400	22,475	3,767	3,520	4,050
Maui County	37,069	37,178	37,742	12,114	11,971	12,459
Maui	35,374	35,476	35,630	11,849	11,703	12,177
Molokai	1,695	1,702	1,712	265	268	282

NA Not available.

1/ Maunaloa to Moanalua.

Source: Kauai County Department of Water, *Annual Report for Fiscal year 2021*, and *Annual Report for Fiscal year 2021- 2022* <<https://www.kauai.gov/Mayor/Annual-Reports>> accessed February 15, 2023; and City and County of Honolulu Board of Water Supply, County of Hawaii Department of Water Supply, 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-- WATER WITHDRAWALS BY SOURCE AND MAJOR USE, BY COUNTY: 2015**

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

Subject	Hawaii	Hawaii County	Honolulu County	Kalawao County	Kauai County	Maui County
Water withdrawals, total (millions of gallons per day)	1,060.43	89.89	618.65	0.01	43.79	308.09
Source (percent)						
Ground water	33.84	66.85	30.73	100.00	38.16	29.79
Surface water	66.16	33.15	69.27	0.00	61.84	70.21
Selected major uses (percent)						
Public supply	25.19	44.17	27.28	100.00	37.31	13.66
Domestic	0.76	8.28	0.00	0.00	1.23	0.04
Irrigation	36.32	29.66	13.54	0.00	59.03	80.76
Livestock	0.15	1.22	0.02	0.00	0.46	0.06
Aquaculture	1.75	14.42	0.81	0.00	0.78	0.10
Industrial	0.02	0.23	0.00	0.00	0.07	0.00
Mining	0.09	0.38	0.08	0.00	0.11	0.02
Thermoelectric power	35.71	1.65	58.28	0.00	1.00	5.36

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 June 23, 2022; U.S. Geological Survey, *Estimated Use of Water in the United States*, County-Level Data for 2015 (ver. 2.0, June 2018) <<https://www.sciencebase.gov/catalog/item/get/5af3311be4b0da30c1b245d8>> accessed June 23, 2022; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 5.28-- TOP 25 WATER USERS ON OAHU: 2022**

[For fiscal year ending June 30. Estimated monthly average]

Rank	User	Gallons (1,000)
1	Department of Environmental Services - R1 - Honouliuli TP	70,169
2	United States Government - Marine Corp Base Hawaii	69,869
3	Prince Waikiki Golf Club	25,740
4	Hilton Hawaiian Village Lessee LLC	20,360
5	A E S Hawaii Inc	14,062
6	Department of Environmental Services -1614 Sand Island Pkwy	13,963
7	Coral Creek Golf Course	13,924
8	Ewa Beach Golf Club	13,588
9	West Loch Golf Course	13,371
10	Kalaeloa Partners LP	13,293
11	Ewa Village Golf Course	12,013
12	Disney Vacation Resort & Spa - Ko Olina	11,323
13	Division of Park Maintenance & Recreation - 94-801 Kamehameha Hwy	10,778
14	Airport Maintenance - 530 Paiea St	10,111
15	Tesoro Hawaii Corporation	9,940
16	Division of Park Maintenance & Recreation - 1201 Ala Moana Blvd	9,778
17	Hawaii MVCC LLC	9,189
18	Division of Park Maintenance & Recreation - 66-167 Haleiwa Rd	8,928
19	University of Hawaii - 2566 Dole St	8,475
20	Hoakalei Country Club	8,441
21	Kapolei Golf Course	8,408
22	Department of Enterprise Services - 151 Kapahulu Ave	8,403
23	GGP Ala Moana LLC - 1450 Ala Moana Blvd	8,384
24	MWR Barbers Point Golf Course	8,264
25	YHB Hawaii Kai LLC	8,141

Source: Honolulu Board of Water Supply, records.

**Table 5.29-- WASTEWATER TREATMENT PLANT OPERATION AND COMPLIANCE: 1994 TO 2022**

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
2016	214	51	23	55
2017	214	61	29	52
2018	214	81	32	60
2019	214	75	30	60
2020	220	82	31	62
2021	224	37	12	67
2022	226	30	10	67

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 5.30-- WASTEWATER RECYCLED: 1994 TO 2022**

[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	18.10	1/ 13.51
2016	134	18.90	1/ 14.10
2017	134	19.50	14.55
2018	134	19.20	14.33
2019	134	18.20	13.58
2020	134	19.00	14.18
2021	134	19.00	14.18
2022	134	18.90	14.10

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Health, *Indicators of Environmental Quality Report* (annual); Hawaii State Department of Health, *Environmental Health Management Report* (annual); and Hawaii State Department of Health, Wastewater Branch, records.

**Table 5.31-- HAZARDOUS WASTE SITES, THREATS AND CONTAMINANTS ON OAHU: 2023**

[Sites on the national priorities list for the superfund program]

Sites with threats and contaminants	Location	Final listing 1/	Deletion year	Sitewide ready for anticipated use 2/
Del Monte Corp. (Oahu Plantation)	Kunia	12/16/94	(3/)	Yes
Naval Computer & Telecommunications Area 4/	Wahiawa	5/31/94	(NA)	No
Pearl Harbor Naval Complex 5/	Pearl Harbor	10/14/92	(NA)	No
Schofield Barracks (U.S. Army) 6/	Schofield	Deleted	2000	Yes

NA Not available.

1/ After the proposed listing, site was added on this date to the National Priorities List (NPL).

2/ "Yes" means all cleanup goals affecting current and reasonably anticipated future land uses of the entire site have been achieved, so there are no unacceptable risks. All required land-use restrictions or other controls have been put in place and the site has achieved "Construction Complete Status."

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. The Navy selected remedies for several sites and has begun cleanup activities.

5/ Soil, groundwater and sediment are contaminated with metals, organic compounds and petroleum hydrocarbons. Site investigations and cleanup activities are ongoing.

6/ Industrial operations at the site contaminated groundwater with volatile organic compounds (VOCs), including trichloroethene (TCE). Following cleanup, EPA took the site off the Superfund program's (NPL) in 2000.

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 March 03, 2023.



**Table 5.32-- HAZARDOUS WASTE GENERATED, SHIPPED, AND RECEIVED AND TOXIC CHEMICAL RELEASES: 2021**

Category	Unit
Hazardous waste generators, shippers, and receivers	
Number of generators	56
Number of shippers	54
Number of receivers	1
Hazardous waste generated, shipped, and received 1/	
Generated	541,888
Shipped	1,031
Received	35
Number of Toxic Release Inventory facilities in Hawaii	35
Toxic chemical releases 2/	2,624,126
On-site releases	2,353,730
Air emissions	1,575,039
Water emissions	600,206
Land emissions	178,485
Off-site releases, transfers to disposal	270,396

1/ In tons. Covers hazardous wastes regulated under the Resource Conservation and Recovery Act (RCRA) of 1976 as amended.

2/ In pounds.

Source: United States Environmental Protection Agency, Toxic Release Inventory Program, *TRI Explorer Fact Sheet, Summary of TRI Information for Hawaii* <[https://enviro.epa.gov/triexplorer/tri\\_factsheet\\_search.searchfactsheet](https://enviro.epa.gov/triexplorer/tri_factsheet_search.searchfactsheet)> accessed March 17, 2023; United States Environmental Protection Agency, *The National Biennial RCRA Hazardous Waste Report: 2021 Edition* <<https://rcrapublic.epa.gov/rcrainfoweb/action/modules/br/interstateshiprecv/view>> accessed March 17, 2023.

**Table 5.33-- SOLID WASTE RECYCLED IN HAWAII: 2001 TO 2022**

[Fiscal year ending June 30. In tons. Components may not sum to total due to rounding in source]

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
2016	2,235,962	1,503,061	732,900	32.8
2017	2,334,183	1,634,347	699,836	30.0
2018	2,396,089	1,828,297	567,792	23.7
2019	2,275,398	1,833,711	441,687	19.4
2020	2,153,205	1,605,580	547,625	25.4
2021	2,570,478	1,874,546	695,931	27.1
2022	2,526,847	1,878,025	648,823	25.7

1/ Incomplete or unavailable data for Maui County.

2/ Incomplete data for Maui and Hawaii counties.

Source: Hawaii State Department of Health, *Environmental Health Management Plan* (annual through 2016); and Hawaii State Department of Health, Solid & Hazardous Waste Branch, records.

**Table 5.34-- DEPOSIT BEVERAGE CONTAINER REDEMPTION RATE: 2006 TO 2022**

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

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
2017	958	665	69.4
2018	940	659	70.1
2019	968	640	66.1
2020	982	616	62.7
2021	955	602	63.0
2022	1,022	612	59.9

Source: Hawaii State Department of Health, *Environmental Health Management Report* (annual through 2016); Hawaii State Department of Health, Solid & Hazardous Waste Branch, records.

**Table 5.35-- WATER QUALITY AT PUBLIC BEACHES, BY ISLAND: 2021 AND 2022**

[Starting with the 2021 Data Book, data units were changed from STORET numbers and are now categorized by Beaches Environmental Assessment and Coastal Health Identification Numbers (BEACH IDs). Starting with the 2022 Data Book, only data from Tier 1 beaches (beaches that are monitored weekly) were included. As such, data from previous editions of the *Data Book* are not comparable]

Island	Number of locations	Number of samples	Enterococci density 1/			
			Lowest 2/	Highest 3/	Number over 4/	Mean 5/
2021						
State total	63	2,294	2.3	23.7	-	3.8
Hawaii	10	451	3.3	11.1	-	5.4
Hilo shoreline	5	160	4.9	11.1	-	8.0
Kona shoreline	5	291	3.3	5.0	-	4.3
Maui	16	491	2.6	7.0	-	3.6
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	25	1,109	2.3	4.5	-	3.1
Kauai	12	243	2.7	23.7	-	4.8
2022						
State total	63	2,224	2.5	15.3	-	3.8
Hawaii	10	430	3.5	15.3	-	6.5
Hilo shoreline	5	195	5.7	15.3	-	10.8
Kona shoreline	5	235	3.5	5.4	-	4.3
Maui	16	527	2.5	6.0	-	3.4
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	25	1,056	2.5	5.1	-	3.1
Kauai	12	211	2.7	10.6	-	4.8

X Not applicable.

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density was 35 per 100 ml. in 2021 and 2022.

2/ The lowest reported average value for 2021 was shared by three beaches: Ma'ili Beach Co. Park, Makapu'u Beach Co. Park, and Sandy Beach Co. Park on the island of Oahu. The lowest reported average value for 2022 was shared by three beaches: Fleming Beach North on the island of Maui and Makapu'u Beach Co. Park and White Plains Beach on the island of Oahu.

3/ The highest reported average value for 2021 was Kalapaki Beach Park on the island of Kauai. The highest reported average value for 2022 was Leleiwai Beach Co. Park on the Hilo shoreline of the island of Hawaii.

4/ Refers to number of samples over the geometric mean standard for Enterococci density which was 35 per 100 ml. in 2021 and 2022.

5/ Geometric mean of specified area.

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

**Table 5.36-- WATER QUALITY AT SELECTED PUBLIC BEACHES: 2021 AND 2022**

[Starting with the 2021 *Data Book*, data units were changed from STORET numbers and are now categorized by Beaches Environmental Assessment and Coastal Health Identification Numbers (BEACH IDs). Starting with the 2022 *Data Book*, only data from Tier 1 beaches (beaches that are monitored weekly) were included. As such, data from previous editions of the *Data Book* are not comparable]

Island and beach	BEACH ID	Number of samples		Enterococci density 1/	
		2021	2022	2021	2022
Hawaii					
Hilo shoreline	0011XX	160	195	8.0	10.8
Hilo Bayfront	HI315019	31	30	10.1	10.8
Honoli'i Beach Co. Park	HI857411	28	38	9.9	12.3
Leleiwi Beach Co. Park	HI540868	35	42	11.1	15.3
James Kealoha Park	HI670254	29	43	4.9	12.7
Onekahakaha Beach Co. Park	HI862286	37	42	6.0	5.7
Kona shoreline	0012XX	291	235	4.3	4.3
Anaeho'omalua Bay	HI326172	51	46	3.3	3.5
Kahalu'u Beach Co. Park	HI013290	50	46	4.0	4.6
Kailua Bay	HI753566	66	48	5.0	4.6
Kamakaokahonu	HI261474	50	49	4.9	5.4
Puako	HI668132	74	46	4.3	3.5
Maui					
Fleming Beach North	HI253548	33	38	2.6	2.5
H.P. Baldwin Beach Co. Park	HI846900	35	34	5.0	3.3
Hanaka'o'o Beach Co. Park	HI797917	24	36	3.6	3.4
Ho'okipa Beach Co. Park	HI985873	33	27	3.0	3.0
Ka'anapali	HI643627	53	66	3.3	3.2
Kahului Harbor	HI280920	27	31	2.7	2.8
Kalama Beach Co. Park	HI705118	40	37	7.0	6.0
Kama'ole Beach 1	HI761092	(X)	33	-	3.5
Kama'ole Beach 2 (Ili'iliholo Beach)	HI097179	31	25	3.8	3.7
Kama'ole Beach 3	HI496115	34	34	3.1	3.7
Kanaha Beach Co. Park	HI797225	29	37	3.0	3.3
Launiupoko St. Wayside	HI558359	39	37	3.5	2.6
Ma'alea Beach	HI058731	(X)	10	-	2.7
Olowalu	HI491359	45	32	4.9	3.2
Oneloa Beach (Big Beach)	HI279887	39	19	2.7	3.7
Wailea Beach Park	HI278988	29	31	3.9	5.0
Oahu					
Ala Moana Beach Co. Pk, Center	HI882094	44	45	3.3	3.0
Ala Moana Beach Co. Pk, D.H.	HI306071	45	45	2.9	3.1
Chun's Reef	HI950962	40	42	2.6	2.8
Hale'iwa Ali'i Beach Co. Park	HI451176	47	39	3.3	2.6

Continued on next page.

**Table 5.36-- WATER QUALITY AT SELECTED PUBLIC BEACHES:  
2021 AND 2022 -- Con.**

Island and beach	BEACH ID	Number of samples		Enterococci density 1/	
		2021	2022	2021	2022
Oahu - Con.					
Hanauma Bay	HI451471	42	42	2.6	2.7
Kahanamoku Beach	HI366432	46	45	4.0	3.2
Kailua Beach Co. Park	HI482719	44	42	4.0	4.4
Ko Olina Kohola	HI515191	47	43	3.9	2.9
Kualoa Co. Regional Park	HI848207	41	37	3.6	3.0
Kuhio Beach	HI681782	42	45	4.5	5.1
Laniakea Beach	HI183312	39	41	2.9	3.2
Lanikai	HI596989	43	44	2.9	3.8
Magic Island Beach	HI529142	45	43	3.3	2.6
Ma'ili Beach Co. Park	HI627464	49	45	2.3	2.6
Makaha Beach Co. Park	HI632106	48	45	2.9	2.6
Makapu'u Beach Co. Park	HI723399	43	37	2.3	2.5
Nanakuli Beach Co. Park	HI467413	50	43	2.7	2.6
Poka'i Bay Beach Co. Park	HI659533	47	43	3.4	4.2
Royal-Moana Beach	HI898947	42	43	3.9	3.8
Sandy Beach Co. Park	HI776760	42	39	2.3	2.9
Sans Souci St. Rec. Area	HI617815	44	45	3.2	3.1
Sunset Beach	HI860543	46	39	3.6	2.6
Waimanalo Beach Co. Park	HI471097	54	44	3.0	2.8
Waimea Bay Beach Co. Park	HI696599	33	39	3.4	3.4
White Plains Beach	HI267023	46	41	2.7	2.5
Kauai					
Anahola Beach	HI270737	22	18	3.7	3.4
Ha'ena Beach Co. Park	HI554189	10	17	5.2	3.9
Hanalei Beach Co. Park (Hanalei Bay Pavillion)	HI385259	13	16	4.6	5.4
Kalapaki Beach	HI758685	24	17	23.7	9.5
Kealia	HI402035	22	18	3.2	3.4
Ke'e Beach	HI124511	10	17	2.7	3.5
Kekaha Beach Co. Park	HI530569	28	19	4.0	2.7
Lydgate State Park	HI798758	22	20	5.5	10.6
Po'ipu Beach Co. Park	HI396850	27	17	3.7	7.0
Salt Pond Beach Co. Park	HI701008	27	17	3.7	3.0
Wai'ohai Beach	HI392082	27	19	4.7	7.1
Wai'oli Beach Park	HI836118	11	16	5.1	3.8

X Not applicable.

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density was 35 per 100 ml in 2021 and 2022.

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

**Table 5.37-- TOTAL DAYS PER YEAR OF SHORELINE POSTINGS: 2009 TO 2022**

[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/
2009	360	2016	111
2010	473	2017	284
2011	129	2018	308
2012	181	2019	55
2013	129	2020	101
2014	51	2021	276
2015	76	2022	408

1/ Total days may include same-day postings of separate posting events, therefore the total may exceed 365 days.

Source: Hawaii State Department of Health, Clean Water Branch, "Water Quality Advisories" <<https://eha-cloud.doh.hawaii.gov/cwb#!/event/list>> accessed March 2, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 5.38-- REFUSE AND SEWAGE STATISTICS FOR OAHU: 2010 TO 2022**

[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	
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
2020	(NA)	(NA)	(NA)	39,058
2021	764,705	372,793	391,912	37,854
2022	809,165	383,111	426,054	36,085

Year	Average wastewater treated per day (millions of gallons)	Miles of sewers 2/	City and County pump stations	City and County treatment plants
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	2,024	72	9
2018	114	2,031	72	9
2019	110	2,031	72	9
2020	107	2,073	72	9
2021	103	2,073	72	9
2022	99	2,075	72	9

NA Not available.

1/ Excludes small landfill controlled by armed forces.

2/ Data are limited to a system maintained by the City and County of Honolulu, Department of Environmental Services.

Source: City and County of Honolulu, Department of Environmental Services, records.



**Table 5.39-- AIR QUALITY IN DOWNTOWN HONOLULU: 1988 TO 2022**

[Annual arithmetic means, in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), for particulate matter 10 microns or less in diameter ( $\text{PM}_{10}$ ) and in parts per million (ppm) for carbon monoxide (CO). Sampling is conducted about 46 feet above ground on the roof of the State Health Department building (Kinau Hale), 1250 Punchbowl Street, Honolulu, Hawaii]

Year	$\text{PM}_{10}$ ( $\mu\text{g}/\text{m}^3$ ) 1/	CO (ppm) 2/	Year	$\text{PM}_{10}$ ( $\mu\text{g}/\text{m}^3$ ) 1/	CO (ppm) 2/
1988	-	1.7	2006 4/	13	0.4
1989	-	1.8	2007	14	0.5
1990	-	1.5	2008	14	0.5
1991	-	1.7	2009	13	0.4
1992	-	1.6	2010	12	0.4
1993	13	1.8	2011	12	0.4
1994	14	0.8	2012	12	0.4
1995	14	0.8	2013	11	0.4
1996	14	0.8	2014	13	0.4
1997	8	0.8	2015	11	0.5
1998	9	0.8	2016	13	0.6
1999	14	0.6	2017	11	0.5
2000	14	0.7	2018	12	0.4
2001	16	0.6	2019	11	0.4
2002	15	0.6	2020	11	0.3
2003	15	0.6	2021	10	0.5
2004	13	0.6	2022	11	0.1
2005 3/	14	0.6			

1/ The State Ambient Air Standard for  $\text{PM}_{10}$  annual average is  $50 \mu\text{g}/\text{m}^3$ . The Federal standard was revoked by the U.S. Environmental Protection Agency effective December 17, 2006.

2/ There is no annual standard for CO.

3/ Represent data until July 14, 2005, when the monitoring station was closed for roof repairs.

4/ Represent data from August 5, 2006, after completion of roof repairs.

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

**Table 5.40-- AIR QUALITY AT SPECIFIED LOCATIONS: 2022**

[Data are preliminary]

Sampling station	PM <sub>10</sub> (µg/m <sup>3</sup> ) 1/			Sulfur dioxide (ppm) 2/		
	Annual range 24-hr		Annual arithmetic average	Annual range 1-hr		Annual arithmetic average
	Minimum	Maximum		Minimum	Maximum	
Oahu						
Downtown Honolulu	4	25	11	0.000	0.003	0.000
Pearl City	8	24	3/ 13	(NA)	(NA)	(NA)
Kapolei	6	48	17	0.000	0.003	0.000

NA Not available

1/ Particulate matter up to 10 microns in diameter. The State and Federal Ambient Air Standard for 24-hr PM<sub>10</sub> is 150 µg/m<sup>3</sup>.

2/ The State Ambient Air Standard for 24-hr SO<sub>2</sub> is 0.14 ppm. Federal standard for SO<sub>2</sub> is now a 1 hour average not to exceed 75 ppb (0.075 ppm).

3/ Data are partial because the station was shut down on April 6, 2022.

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

**Table 5.41-- RELEASE OF TOXICS: 1999 TO 2021**

[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]

	<b>Total</b>	<b>Air</b>	<b>Water</b>	<b>On-site land</b>	<b>Under-ground injection</b>	<b>Off-site</b>
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	3,695,661	2,495,255	454,684	228,634	2,241	514,846
2003	3,167,753	2,131,958	364,067	249,267	2,670	419,791
2004	3,170,718	2,358,755	296,417	227,720	6,601	281,224
2005	3,105,369	2,310,746	522,217	89,734	2,736	179,935
2006	3,021,488	2,253,130	358,266	174,678	4,743	230,671
2007	3,015,577	2,266,925	446,948	143,011	2,670	156,023
2008	3,245,550	2,277,988	549,838	169,076	3,471	245,176
2009	3,230,824	2,512,126	222,963	147,530	4,477	343,728
2010	2,777,864	2,021,469	452,359	171,221	2,603	130,212
2011	2,871,599	2,120,060	409,370	124,224	3,722	214,223
2012	2,957,277	2,140,557	435,662	181,039	4,508	195,511
2013	2,843,334	1,977,061	441,572	232,261	1,242	191,198
2014	2,926,542	1,821,690	534,190	401,495	7,036	162,131
2015	2,831,202	1,810,416	621,767	224,194	6,346	168,480
2016	3,215,153	2,113,719	522,258	197,012	3,199	378,966
2017	3,061,992	2,001,955	593,620	238,073	1,338	227,006
2018	2,961,904	1,826,598	749,919	160,734	2,297	222,357
2019	2,837,388	1,786,410	626,495	188,274	2,546	233,664
2020	2,554,023	1,632,089	551,214	132,172	4,323	234,225
2021	2,624,126	1,575,039	600,206	175,787	2,698	270,396

Source: U.S. Environmental Protection Agency, *Hawaii Report: Toxics Release Inventory* (annual) <[https://enviro.epa.gov/triexplorer/tri\\_factsheet\\_search.searchfactsheet](https://enviro.epa.gov/triexplorer/tri_factsheet_search.searchfactsheet)> accessed February 1, 2023.

**Table 5.42-- TOXIC RELEASE INVENTORY CHEMICAL RELEASES: 1988 TO 2021**

[In pounds. For all industries and all chemicals]

Year	Total production-related waste managed	Total on- and off-site disposal or other releases	Total on-site disposal or other releases	Total off-site disposal or other releases
1988	(NA)	2,390,441	2,225,959	164,482
1989	(NA)	2,126,043	2,105,585	20,458
1990	(NA)	851,967	844,758	7,209
1991	8,322,961	928,389	916,001	12,388
1992	8,348,939	1,037,410	873,910	163,500
1993	8,259,575	721,327	706,345	14,982
1994	3,133,045	605,860	588,489	17,371
1995	5,401,395	656,692	492,923	163,769
1996	4,185,584	540,267	536,272	3,995
1997	4,118,506	452,405	444,040	8,365
1998	5,806,154	2,112,260	2,026,357	85,903
1999	5,221,169	1,681,281	1,630,843	50,438
2000	1,782,121	1,273,978	1,097,432	176,546
2001	4,258,038	3,380,521	2,950,196	430,325
2002	4,620,356	3,695,661	3,180,814	514,846
2003	4,023,425	3,167,753	2,747,963	419,791
2004	3,853,008	3,170,718	2,889,493	281,224
2005	4,009,430	3,105,369	2,925,433	179,935
2006	3,679,473	3,021,488	2,790,816	230,671
2007	3,878,790	3,015,577	2,859,554	156,023
2008	4,393,104	3,245,550	3,000,373	245,176
2009	3,734,894	2,947,264	2,603,536	343,728
2010	3,328,198	2,777,864	2,647,652	130,212
2011	3,556,339	2,871,599	2,657,376	214,223
2012	6,897,551	2,957,277	2,761,766	195,511
2013	5,726,070	2,843,334	2,652,135	191,198
2014	5,932,552	2,926,542	2,764,411	162,131
2015	7,321,061	2,831,202	2,662,722	168,480
2016	6,221,410	3,215,153	2,836,188	378,966
2017	6,572,271	3,061,992	2,834,986	227,006
2018	4,075,002	2,961,904	2,739,548	222,357
2019	4,013,911	2,837,388	2,603,723	233,664
2020	7,123,934	2,554,032	2,319,798	234,225
2021	3,372,612	2,624,126	2,353,730	270,396

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 28, 2023.

**Table 5.43 -- RELEASE OF PERSISTENT, BIOACCUMULATIVE AND TOXIC (PBT) CHEMICALS: 2002 TO 2021**

[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
2019	76,812	1,134	70	17.00	1.440
2020	74,084	1,026	52	16.00	1.329
2021	63,075	1,285	164	19.00	1.211

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 January 5, 2022.

**Table 5.44-- OIL AND CHEMICAL RELEASES: 2006 TO 2022**

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
2015	440	283	180	103	157	100	57
2016	620	388	219	169	232	135	97
2017	565	381	171	210	184	121	63
2018	515	308	122	186	207	136	71
2019	513	291	161	130	222	142	80
2020	458	285	137	148	173	108	65
2021	519	275	145	130	244	142	102
2022	500	334	170	164	166	122	44

NA Not available.

Source: Hawaii State Department of Health, Hazard Evaluation and Emergency Response Office, records.

**Table 5.45-- ATMOSPHERIC CARBON DIOXIDE MEASUREMENTS AT MAUNA LOA: 1958 TO 2022**

[Average carbon dioxide mixing ratio, parts per million]

Year	Annual average	Year	Annual average	Year	Annual average
1958	1/ 315.17	1980	338.76	2002	373.45
1959	315.98	1981	340.12	2003	375.98
1960	316.91	1982	341.48	2004	377.70
1961	317.64	1983	343.15	2005	379.98
1962	318.45	1984	344.85	2006	382.09
1963	318.99	1985	346.35	2007	384.02
1964	2/ 319.62	1986	347.61	2008	385.83
1965	320.04	1987	349.31	2009	387.64
1966	321.37	1988	351.69	2010	390.10
1967	322.18	1989	353.20	2011	391.85
1968	323.05	1990	354.45	2012	394.06
1969	324.62	1991	355.70	2013	396.74
1970	325.68	1992	356.54	2014	398.87
1971	326.32	1993	357.21	2015	401.01
1972	327.46	1994	358.96	2016	404.41
1973	329.68	1995	360.97	2017	406.76
1974	1/ 330.19	1996	362.74	2018	408.72
1975	3/ 331.12	1997	363.88	2019	411.66
1976	332.03	1998	366.84	2020	414.24
1977	333.84	1999	368.54	2021	417.41
1978	335.41	2000	369.71	2022	418.52
1979	336.84	2001	371.32		

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) <<https://gml.noaa.gov/ccgg/trends/weekly.html>> accessed March 17, 2023; and records.

**Table 5.46-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES: 2022**

Island and station	Ground elevation (feet)	Average temperature 1/ (°F)		Extreme temperature of record 2/ (°F)		Annual precipitation 1/ (inches)	
		Coolest month	Warmest month	Lowest (2022)	Highest (2022)	Average	2022 Total
<b>Hawaii</b>							
Hilo Airport	27.0	70.1	75.7	66.0	85.5	130.2	72.3
Hawaii Volcanoes Nat. Park Hdq.	3,970.0	56.4	62.7	51.2	74.8	104.4	47.8
Naalehu	675.0	68.6	75.4	63.7	83.7	41.8	22.1
Kailua (Kona Airport)	33.0	71.2	78.1	66.0	85.4	13.4	12.4
Puako	5.0	71.3	78.4	66.1	85.5	8.9	7.6
Waimea (Kamuela)	2,670.0	61.7	68.3	56.3	78.0	32.8	25.0
Honokaa	1,070.0	67.0	73.4	62.4	82.6	90.0	52.8
Mauna Kea summit	13,631.0	33.9	42.3	32.0	52.2	8.2	4.8
<b>Maui</b>							
Hana Airport	60.0	70.4	76.7	65.2	86.3	82.6	40.2
Haleakala summit	7,030.0	45.9	52.9	42.1	62.7	45.0	18.8
Kihei	75.0	71.0	78.2	65.2	86.3	11.8	5.2
Kahului Airport	40.0	70.9	78.2	65.3	86.4	17.1	6.8
Lahaina	45.0	71.1	78.3	65.3	86.5	13.5	5.0
<b>Molokai</b>							
Kaunakakai	10.0	71.1	78.4	65.4	86.5	13.3	4.6
Molokai Airport	445.0	69.6	76.8	64.0	85.0	22.7	9.0
<b>Lanai</b>							
Lanai City	1,620.0	65.0	72.1	59.9	80.6	32.0	13.6

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**Table 5.46-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES: 2022 -- Con.**

Island and station	Ground elevation (feet)	Average temperature 1/ (°F)		Extreme temperature of record 2/ (°F)		Annual precipitation 1/ (inches)	
		Coolest month	Warmest month	Lowest (2022)	Highest (2022)	Average	2022 Total
<b>Oahu</b>							
Daniel K. Inouye International Airport	5.0	71.1	78.3	65.8	86.8	24.7	11.1
Waikiki (Honolulu Zoo)	10.0	71.1	78.2	65.8	86.8	25.0	12.0
Manoa (Lyon Arboretum)	500.0	68.8	73.8	64.6	85.3	151.0	68.2
Kaneohe (State Hospital)	200.0	70.0	76.7	65.3	86.1	69.5	37.7
Kahuku	25.0	70.9	77.8	65.7	86.7	44.6	24.4
Wheeler AFB	820.0	67.9	74.8	63.6	84.1	42.5	23.3
Upper Wahiawa	1,115.0	66.8	73.5	62.9	83.4	59.7	32.6
<b>Kauai</b>							
Kilauea (town)	315.0	69.7	76.1	64.1	85.8	63.6	34.1
Lihue Airport	103.0	70.6	77.6	64.8	86.6	39.2	24.0
Poipu (Makahuena Pt.)	50.0	70.9	78.0	65.1	87.0	34.6	24.4
Kekaha	10.0	71.1	78.4	65.1	87.1	19.4	12.5
Kokee (Kanalohuluhulu)	4,197.0	55.7	62.7	51.2	71.5	62.8	29.2
<b>Northwestern Hawaiian Islands</b>							
Midway	40.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Data represent 30-year normals. Temperature normals from Climate of Hawaii <<http://climate.geography.hawaii.edu/>>; Precipitation normals from Rainfall Atlas of Hawaii <<http://rainfall.geography.hawaii.edu/>>

2/ Minimum of daily minimum-temperature, and maximum of daily maximum-temperature for this year. Data based on gridded product from the Hawaii Climate Data Portal <<https://www.hawaii.edu/climate-data-portal/>>; University of Hawaii at Manoa.

Source: University of Hawaii at Manoa, Water Resources Research Center, Hawaii Climate Data Portal; and records.

**Table 5.47-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO, KAHULUI, HONOLULU, AND LIHUE AIRPORTS: 2022**

[Normals are 30-year averages (1991 - 2020)]

Subject	Hilo	Kahului	Honolulu	Lihue
Temperatures (°F)				
Normal daily maximum, annual	80.6	86.1	84.6	81.6
Highest daily maximum	94	97	95	91
Month and year of occurrence	Nov 2013	Sep 2019	Aug 2019	Sep 2019
Normal daily minimum, annual	67.3	68.1	71.5	71.0
Lowest daily minimum	-42	22	53	50
Month and year of occurrence	Mar 2021	Jan 2004	Jan 1998	Jan 1969
Normal dry bulb (temperature of ambient air)				
Coolest	71.2	72.9	73.6	72.2
Month	Feb	Jan	Jan	Feb
Warmest	76.6	81.1	82.2	80.2
Month	Aug	Aug	Aug	Aug
Annual	74.0	77.1	78.0	76.3
Normal no. days with maximum 90°F and above	1.6	38.7	31.6	0.8
Normal relative humidity (percent), annual				
8 a.m.	80	74	72	77
2 p.m.	68	58	56	66
Percent of possible sunshine, annual	41	(NA)	71	59
Mean no. days (annual) with				
Clear	35.5	130.5	90.0	55.3
Partly cloudy	131.3	145.2	179.8	183.2
Cloudy	195.3	89.5	92.0	123.2
Wind speed (m.p.h.), annual				
Mean	6.7	12.8	10.3	13.2
Maximum 2-minute	39	48.0	40	48
Month and year of occurrence	Aug 2014	Jan 2004	Jan 2004	Dec 2007
Precipitation (inches)				
Normal, annual	120.39	16.21	16.41	36.22
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

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**Table 5.47-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO, KAHULUI, HONOLULU, AND LIHUE AIRPORTS: 2022 -- Con.**

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, 2022*, "Normals, Means, and Extremes," for Hilo, Kahului, Honolulu, and Lihue (annual)  
<<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed April 25, 2023.

**Table 5.48-- MONTHLY AND ANNUAL CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2022**

[Normals are 30-year averages (1991 - 2020)]

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	80.5	66.8	73.6	88	53	1.84	14.74	0.03	6.72
February	80.5	67.1	73.8	88	53	1.94	13.68	0.05	6.88
March	81.2	68.1	74.7	88	55	2.36	20.79	0.01	17.07
April	83.1	70.1	76.6	91	57	0.77	8.92	0.01	4.21
May	84.8	71.5	78.2	93	60	0.82	7.23	0.03	3.44
June	86.9	73.8	80.3	92	65	0.50	5.68	(2/)	5.01
July	88.1	75.1	81.6	94	66	0.52	2.71	0.02	2.20
August	88.8	75.6	82.2	95	65	0.84	7.63	(2/)	4.42
September	88.4	74.8	81.6	95	64	0.88	4.48	0.05	2.25
October	86.9	73.9	80.4	94	58	1.51	11.15	0.05	7.57
November	84.1	71.8	78.0	93	57	2.25	18.79	0.03	9.15
December	81.8	69.2	75.5	89	54	2.18	17.29	0.01	8.71
Annual	84.6	71.5	78.0	95	53	16.41	20.79	0.01	17.07

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**Table 5.48-- MONTHLY AND ANNUAL CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2022 -- Con.**

Month	Relative humidity (percent)		Wind (miles/hour)		Percent of possible sunshine	Number of days		
	8 a.m.	2 p.m.	Mean speed	Maximum 2-minute speed		Mean		Normal
						Clear	Cloudy	Precipitation .01 inch or more
January	81	61	8.5	40	65	9.5	8.5	7.7
February	79	59	9.1	39	68	8.1	7.6	7.6
March	73	57	10.1	39	72	7.4	9.3	8.7
April	70	55	10.9	35	70	5.9	9.6	7.5
May	67	54	10.6	31	72	6.7	8.7	6.0
June	66	52	11.8	30	74	6.5	6.2	6.3
July	68	52	12.0	32	76	7.4	5.1	7.3
August	68	52	11.7	33	77	8.0	5.7	5.7
September	70	53	10.2	30	77	7.9	5.7	7.2
October	71	56	9.5	36	71	7.5	8.1	7.7
November	75	59	9.6	35	64	7.2	8.8	8.6
December	79	60	9.3	39	63	7.9	8.7	8.9
Annual	72	56	10.3	40	71	90.0	92.0	89.2

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, 2022*, "Normals, Means, and Extremes, Honolulu, HI" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed April 26, 2023.

**Table 5.49-- AVERAGE TEMPERATURE, PERCENT OF POSSIBLE SUNSHINE, AND PRECIPITATION, FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 1970 TO 2022**

[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)
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
1990	77.6	69	19.84	2020	78.9	71	13.65
1991	77.7	69	17.94	2021	78.3	71	21.34
1992	77.8	69	19.00	2022	78.3	71	12.15
1993	77.1	69	5.84				
1994	78.8	70	15.59				
1995	79.3	70	13.60				
1996	78.6	70	33.12				
1997	77.8	71	19.99				
1998	77.1	71	4.52				
1999	76.9	71	11.99				

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 2022*, "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 April 26, 2023.

**Table 5.50-- AVERAGE DAILY TEMPERATURE AND DAYS WITH MAXIMUM OF 90° OR HIGHER, FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 1971 TO 2022**

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	2020	84.4	19
1991	84.9	35	2021	84.1	19
1992	85.2	28	2022	84.1	32
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 2022*, "Meteorological Data, Honolulu" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed April 26, 2023.

**Table 5.51-- CLIMATIC DATA FOR DANIEL K. INOUE INTERNATIONAL AIRPORT: 2009 TO 2022**

Year	Average temperature (°F) 1/			Extreme temperature (°F)	
	Annual	Coollest month	Warmest month	Lowest	Highest
2009	(NA)	72.5	82.5	58	92
2010	77.5	73.1	80.7	61	90
2011	78.3	73.4	81.5	59	90
2012	77.2	73.9	80.8	60	89
2013	77.1	72.9	81.2	59	90
2014	78.2	72.7	82.9	60	93
2015	78.7	72.3	83.5	57	93
2016	77.9	74.2	81.5	59	91
2017	78.2	73.5	81.7	58	91
2018	78.8	75.0	82.9	63	92
2019	79.3	72.3	84.3	61	95
2020	78.9	74.9	83.1	60	93
2021	78.3	74.2	81.8	56	91
2022	78.3	73.3	82.0	61	91

Year	Relative humidity (percent)		Annual average wind speed (m.p.h.)	Precipitation	
	8 a.m.	2 p.m.		Annual total (inches)	Days with .01 inch or more
2009	62	54	10.2	11.55	74
2010	63	53	10.1	17.40	88
2011	66	56	10.1	15.69	108
2012	66	57	10.7	8.58	51
2013	65	56	9.4	16.18	83
2014	65	56	8.9	20.82	104
2015	67	58	9.4	21.04	122
2016	66	57	10.2	13.16	97
2017	64	54	9.7	22.62	72
2018	67	58	10.1	16.95	98
2019	65	54	9.6	16.61	85
2020	64	53	10.3	13.65	89
2021	63	53	10.8	21.34	82
2022	66	56	9.9	12.15	72

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, 2022* "Meteorological Data, Honolulu, HI" (annual) <<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed April 26, 2023.



**Table 5.52-- CLIMATIC DATA FOR THE PERIOD OF RECORD: 2022**

[As of December 31, 2022. The originating data source has changed, and as a result, data are revised and may no longer be comparable to previous editions of the *Data Book* ]

Subject	Date	Place	Magnitude
Long-term averages			
Lowest monthly average minimum temp. (°F)	March, 1980	Mauna Kea Observatory	23.9
Lowest monthly average daily temp. (°F)	February, 1979	Mauna Kea Observatory	30.1
Highest monthly average maximum temp. (°F)	September, 2009	Makua Range Hawaii	115.3
Highest monthly average daily temp. (°F)	September, 2012	Pta Kipuka Alala Hawaii	100.0
Lowest climatological monthly average minimum temp. (°F)	January	Mauna Loa Slope OBS	33.7
Lowest climatological monthly average daily temp. (°F)	January	Mauna Loa Slope OBS	42.2
Highest climatological monthly average maximum temp. (°F)	July	Waikiki	87.4
Highest climatological monthly average daily temp. (°F)	July	Honolulu International Airport	80.7
Lowest climatological monthly rainfall of record (inches)	July	Olowalu	0.0
Highest climatological monthly rainfall of record (inches)	March	Waiakea	20.3
Lowest climatological annual rainfall of record (inches)	(X)	Waiopai Ranch	3.3
Highest climatological annual rainfall of record (inches)	(X)	Mount Waiakeale	328.2
Single events			
Lowest temperature of record (°F)	February 25, 1977	Mauna Kea Observatory	12.0
Highest temperature of record (°F)	July 31, 2012	Pta Kipuka Alala Hawaii	123.0
Lowest annual rainfall of record (inches)	1988	Waiawa	0.0
Highest annual rainfall of record (inches)	1951	Mount Waialeale	410.5
Highest wind speed of record (m.p.h.)	March 27, 2009	Moloaa Dairy Hawaii	140.0

X Not applicable.

Source: Hawaii State Climate Office, State Climatologist, data provided February 16, 2023.

**Table 5.53 -- RAINFALL AT SPECIFIED LOCATIONS: 2008 TO 2022**

[In inches. Source was changed in 2021. As a result, historical data was revised and data are no longer comparable to previous editions of the *Data Book* released before 2021]

Year	Hawaii				Maui		
	Hilo Airport	Lalamilo	Kona Village	Naalehu	Kahului Airport	Kihei	Lahaina
2008	122.95	10.55	6.54	35.23	9.73	6.87	5.08
2009	128.59	15.92	6.61	20.98	8.22	8.70	5.54
2010	66.30	14.13	5.35	15.88	4.80	5.82	3.39
2011	100.20	12.55	3.44	23.25	6.51	8.07	4.55
2012	91.48	11.25	1.84	26.37	7.30	2.42	2.14
2013	101.12	11.68	5.17	27.18	17.10	8.61	3.51
2014	114.38	19.71	12.70	58.11	26.00	17.93	7.38
2015	146.76	20.02	9.43	42.09	23.97	13.69	5.78
2016	130.38	17.06	12.65	41.38	17.31	12.01	6.64
2017	84.59	17.13	6.49	32.55	25.57	8.88	7.10
2018	175.23	21.07	10.49	54.19	19.57	12.31	9.17
2019	99.82	18.23	12.04	43.26	12.73	9.35	9.38
2020	121.85	18.90	10.72	34.74	16.46	11.99	13.63
2021	140.43	13.85	7.83	44.93	17.01	12.95	14.18
2022	72.25	14.38	9.15	22.15	6.83	5.17	5.01

Year	Oahu				Kauai		
	Waikiki	University of Hawaii	Nuuanu Res. 4	Kaneohe	Koloa	Lihue Airport	Princeville
2008	17.88	31.10	107.10	60.43	65.74	36.68	76.84
2009	11.55	21.94	97.62	64.26	45.93	27.83	80.62
2010	14.97	27.69	109.17	57.57	47.13	25.40	54.05
2011	18.57	32.77	114.44	67.29	64.29	41.97	82.35
2012	13.38	24.63	85.04	45.48	46.11	39.89	75.96
2013	18.51	31.59	117.48	70.23	46.59	35.35	61.84
2014	19.76	33.41	131.63	80.81	54.07	32.90	71.82
2015	18.78	34.86	149.07	76.83	44.61	31.63	70.65
2016	13.70	28.24	131.88	68.48	35.40	18.79	65.80
2017	19.02	31.12	103.89	68.52	43.34	32.43	66.57
2018	21.22	38.42	169.31	104.29	76.52	55.05	143.51
2019	21.31	30.66	101.10	58.52	53.14	41.17	71.55
2020	17.54	28.16	89.04	53.98	59.36	41.18	86.90
2021	28.29	43.77	127.47	73.92	59.87	43.28	78.14
2022	12.05	18.69	62.14	37.74	35.52	24.02	43.07

Source: University of Hawaii at Manoa, Water Resources Research Center, Hawaii Climate Data Portal, and records.

**Table 5.54-- MAJOR HURRICANES: 1950 TO 2022**

Hurricane name	Date 1/	Islands most affected	Maximum recorded winds ashore (m.p.h.)		Deaths	Property damage (\$M)
			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
Eugene	Jul. 24, 1993	Hawaii	(NA)	125	1	(NA)
Iselle	Jul. 31, 2014	Hawaii	(NA)	140	1	148.0
Ana	Oct. 17, 2014	Kauai, Oahu	(NA)	85	-	Minor
Darby	Jul. 12, 2016	Hawaii, Kauai, Oahu	2/ 39	2/ 121	-	Minor
Olivia	Sep. 9, 2018	Maui	2/ 39	2/ 132	-	25.0
Douglas	Jul. 20, 2020	Oahu, Maui	2/ 36	2/ 132	-	Minor
Linda	Aug. 23-24, 2021	Maui, Lanai, Oahu	36	132	-	Minor

NA Not available.

1/ Period affecting the Hawaiian Islands.

2/ Revised from previous *Data Book*.

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; University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Atmospheric Science, records; and Hawaii State Climate Office, records; NOAA Historical Hurricane Tracks <<https://coast.noaa.gov/hurricanes/>> accessed January 27, 2023 and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 5.55-- SUNRISE, SUNSET, AND HOURS OF DAYLIGHT AT SELECTED LOCATIONS, AT BEGINNING OF EACH SEASON: 2022**

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

<b>Subject</b>	<b>Hilo</b>	<b>Kahului</b>	<b>Honolulu</b>	<b>Lihue</b>
Sunrise (a.m.)				
March 19	6:27	(NA)	6:36	(NA)
June 20	5:45	(NA)	5:50	(NA)
September 22	6:11	(NA)	6:20	(NA)
December 21	6:52	(NA)	7:05	(NA)
Sunset (p.m.)				
March 19	6:33	(NA)	6:42	(NA)
June 20	7:03	(NA)	7:16	(NA)
September 22	6:18	(NA)	6:27	(NA)
December 21	5:49	(NA)	5:55	(NA)
Daylight (hours, minutes)				
March 19	12, 06	(NA)	12, 06	(NA)
June 20	13, 18	(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 May 26, 2023, 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: 2023**

[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	6:27	(NA)	6:36	(NA)
June 20	5:45	(NA)	5:50	(NA)
September 22	6:11	(NA)	6:20	(NA)
December 21	6:52	(NA)	7:04	(NA)
Sunset (p.m.)				
March 19	6:33	(NA)	6:42	(NA)
June 20	7:03	(NA)	7:16	(NA)
September 22	6:18	(NA)	6:28	(NA)
December 21	5:49	(NA)	5:55	(NA)
Daylight (hours, minutes)				
March 19	12, 06	(NA)	12, 06	(NA)
June 20	13, 18	(NA)	13, 26	(NA)
September 22	12, 07	(NA)	12, 08	(NA)
December 21	10, 57	(NA)	10, 51	(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 May 26, 2023, 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: 2018 TO 2022**

[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	2018	2019	2020	2021	2022
Endemic species 1/					
Apapane	4	18	13	25	2
Hawaiian Duck x Mallard	170	165	133	484	268
Hawaiian Coot 2/	255	449	128	182	97
Hawaiian Moorhen 2/	26	49	25	79	38
Hawaiian Stilt 2/	119	131	20	200	52
Oahu Amakihi	6	64	43	44	46
Oahu Elepaio	2	-	6	2	4
Indigenous species 3/					
Black-crowned Night Heron	36	41	27	73	47
Brown Booby	-	6	2	1	-
Great Frigatebird	57	105	-	14	-
Red-footed Booby	850	866	4/ -	2,116	12
White Tern	48	31	79	20	90
Alien species 5/					
Cattle Egret	206	382	227	393	401
Common Myna	969	1,381	1,196	1,194	1,913
Common Waxbill	1,259	832	918	1,043	1,119
House Finch	38	204	193	57	300
House Sparrow	126	236	249	91	293
Japanese White-eye	93	343	289	250	432
Java Sparrow	514	484	504	208	881
Northern Cardinal	12	81	69	31	40
Nutmeg Mannikin	114	27	17	63	36
Red-billed Leiothrix	83	163	138	145	200
Red-crested Cardinal	198	373	368	288	569
Red-vented Bulbul	214	350	550	495	860
Red-whiskered Bulbul	13	115	106	90	218
Rock Dove/Pigeon	215	370	289	480	881
Saffron Finch	7	31	91	12	25
Spotted Dove	164	315	570	415	743
White-rumped Shama	31	76	96	67	200
Yellow-fronted Canary	142	121	146	41	126
Zebra Dove	1,860	1,649	1,232	1,252	2,814

Continued on next page.

**Table 5.57-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF SELECTED SPECIES IN THE HONOLULU AREA: 2018 TO 2022 -- Con.**

Species	2018	2019	2020	2021	2022
Visitor species 6/					
Mallard	-	2	-	-	3
Pacific Golden-Plover	339	485	283	561	539
Ruddy Turnstone	424	285	21	182	14
Sanderling	13	14	2	19	10
Wandering Tattler	11	23	-	19	5

1/ Birds peculiar to Hawaii and found nowhere else.

2/ Endangered species.

3/ Native to Hawaii but also found elsewhere.

4/ In 2020, the Red-footed Booby was still found in Hawaii, but not in the Honolulu area.

5/ Formerly termed "introduced." Includes accidental escapes from captivity.

6/ Formerly termed "migratory." Includes stragglers and seasonal migrants.

Source: Audubon's Christmas Bird Count <<http://netapp.audubon.org/CBCObservation/>> accessed June 6, 2023.

**Table 5.58-- HAWAII AUDUBON SOCIETY BIRD COUNTS IN THE HONOLULU AREA, BY TYPE OF SPECIES: 2012 TO 2022**

[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
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/ 2/ 54	7	5	1/ 35	7
2020	45	7	3	30	5
2021	1/ 51	7	5	25	1/ 14
2022	47	7	3	26	11

Year	Number of individuals				
	All species	Endemic	Indigenous	Alien	Visitor
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	1/ 882	1,049	1/ 8,055	865
2020	8,568	368	108	7,780	312
2021	11,168	1,016	2,224	1/ 7,076	1/ 852
2022	14,324	510	149	13,074	591

1/ Revised from previous *Data Book*.

2/ Reported total was 53, but after summing total number of species it was found to be 54 individual species.

Source: Audubon's Christmas Bird Count <<http://netapp.audubon.org/CBCObservation/>> accessed June 6, 2023; Denis Lepage, Avibase - Bird Checklists of the World <<https://avibase.bsc-eoc.org/checklist.jsp?region=ushi&list=howardmoore>> accessed on June 6, 2023; and calculations by the Department of Business, Economic Development & Tourism.



**Table 5.59-- BIRD SPECIES OF HAWAII**

[Endangered species as of June 6, 2023. Remaining categories as of January 1, 2017]

Type of species	Number
All species	1/ 360
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	20

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 June 6, 2023.

**Table 5.60-- TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 2017 TO 2021**

[As of June 30]

Location	2017	2018	2019	2020	2021
Along City and County streets and highways 1/	145,900	146,830	147,417	148,237	143,074
In City and County parks	97,266	97,886	98,278	88,824	95,382

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: 2023**

[As of July 1]

<b>Group</b>	<b>Hawaii</b>	<b>United States</b>
Animal species	59	741
Amphibians	-	39
Arachnids	-	11
Birds	20	108
Clams	-	128
Corals	-	-
Crustaceans	2	32
Fishes	-	144
Insects	28	98
Mammals	1	80
Reptiles	4	50
Snails	4	51
Plant species	425	941
Conifers and cycads	-	5
Ferns and allies	23	37
Flowering plants	402	896
Lichens	-	3

Source: U.S. Fish & Wildlife Service, Environmental Conservation Online System (ECOS)  
 <<https://ecos.fws.gov/ecp/species-reports>> accessed July 5, 2023.

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

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

Narrative

<a href="#">06.01</a>	Land Ownership, Cover, or Use: 1992 to 2017
<a href="#">06.02</a>	Land Use and Structural Characteristics of Oahu: 1994 and 1998
<a href="#">06.03</a>	Estimated Acreage of Land Use Districts: 1993 to 2022
<a href="#">06.04</a>	Estimated Acreage of Land Use Districts, by Island: 2020 to 2022
<a href="#">06.05</a>	Number of Land Records, by County: 1991 to 2023
<a href="#">06.06</a>	Real Property Tax Exemptions for Cemeteries, Churches, Hospitals and Schools, by County: 2022 and 2023
<a href="#">06.07</a>	Major Landowners, by Type and by Island: 2017
<a href="#">06.08</a>	Real Property Owned by or Leased to the Federal Government: 2014 to 2021
<a href="#">06.09</a>	Department of Hawaiian Home Lands Homestead Lessees and Applicants, by Island: 2021 and 2022
<a href="#">06.10</a>	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 2017**

[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]

<b>Land ownership, cover, or use 1/</b>	<b>1992</b>	<b>1997</b>	<b>2002</b>	<b>2007</b>	<b>2012</b>	<b>2017</b>
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/	465.3	436.8	443.2	603.8	607.8	610.2
Water area	22.0	22.1	22.2	22.2	22.3	22.5
Nonfederal land	3,635.7	3,664.1	3,657.6	3,497.0	3,492.9	3,490.3
Developed	190.6	198.0	215.0	221.8	244.7	251.8
Rural	3,445.1	3,466.1	3,442.6	3,275.2	3,248.2	3,238.5
Land cover or use 3/						
Nonfederal rural land	3,445.1	3,466.1	3,442.6	3,275.2	3,248.2	3,238.5
Cropland	263.3	233.8	155.5	109.3	94.2	78.7
CRP land 4/	-	-	-	-	-	-
Pastureland	58.7	60.5	94.5	102.7	107.4	118.3
Rangeland	1,168.5	1,163.3	1,188.9	1,144.3	1,144.2	1,144.1
Forest land	1,540.8	1,558.9	1,550.8	1,481.8	1,470.7	1,467.9
Other rural land	413.8	449.6	452.9	437.1	431.7	429.5
Cropland use						
Total cropland	263.3	233.8	155.5	109.3	94.2	78.7
Cultivated cropland	216.9	186.8	104.0	77.1	59.8	5/ 48.7
Irrigated	107.7	73.8	66.8	62.9	46.3	5/ 35.6
Nonirrigated	109.2	113.0	37.2	14.2	13.5	5/ 13.1
Noncultivated cropland	46.4	47.0	51.5	32.2	34.4	5/ 30.0
Irrigated	27.8	25.6	22.8	5/ 7.5	5/ 7.8	5/ 7.0
Nonirrigated	5/ 18.6	5/ 21.4	28.7	5/ 24.7	5/ 26.6	5/ 23.0
Prime farmland, by cover or use 6/						
Total rural land	230.6	229.4	224.3	203.5	193.0	187.0
Cropland	150.9	135.0	87.6	65.2	55.1	46.0
CRP land 4/	-	-	-	-	-	-
Pastureland	31.5	31.5	47.7	45.2	51.9	54.1
Rangeland	14.1	17.2	35.0	39.1	36.8	39.0
Forest land	31.5	34.5	39.0	38.7	33.9	32.5
Other rural land	5/ 2.6	11.2	5/ 15.0	5/ 15.3	5/ 15.3	5/ 15.4

Continued on next page.

**Table 6.01-- LAND OWNERSHIP, COVER, OR USE: 1992 TO 2017 -- Con.**

Land ownership, cover, or use 1/	1992	1997	2002	2007	2012	2017
Sheet or rill erosion, tons per acre						
Nonfederal rural land						
Cropland	4.49	2.82	3.16	3.21	2.58	2.60
Cultivated	5.05	2.93	3.65	3.79	2.94	2.84
Noncultivated	1.86	2.60	2.17	1.84	1.96	2.22
CRP land 4/	-	-	-	-	-	-
Pastureland	0.66	0.50	0.63	0.74	0.82	0.77
On water areas & nonfederal land						
Total wetlands & deepwater habitats	94.3	96.4	97.1	97.2	97.2	97.4
Palustrine & estuarine wetlands	79.8	81.9	82.6	82.6	76.3	76.3
Palustrine	71.7	73.8	74.5	74.5	74.5	74.5
Estuarine	8.1	8.1	8.1	8.1	5/ 1.8	5/ 1.8
Other aquatic habitats	14.5	14.5	14.5	14.6	20.9	21.1
Lacustrine	2.0	2.0	2.0	2.1	2.0	2.0
Other 7/	12.5	12.5	5/ 12.5	5/ 12.5	18.9	19.1
Total Palustrine & estuarine wetlands	79.8	81.9	82.6	82.6	76.3	76.3
Cropland, pastureland, CRP land 4/ 5	2.0	2.0	2.0	2.0	2.0	2.5
Rangeland	5.0	5.0	5/ 5.0	5/ 5.0	5/ 5.0	5/ 5.0
Forest land	58.1	60.1	60.0	60.1	60.5	60.4
Other rural land 5/	5.8	5.8	6.5	6.5	6.0	5.5
Developed land 5/	0.2	0.2	0.2	0.2	0.2	0.3
Water areas	8.7	8.8	8.9	8.8	2.6	2.6

Continued on next page.

## **Table 6.01-- LAND OWNERSHIP, COVER, OR USE: 1992 TO 2017 -- Con.**

1/ The 2017 NRI provides nationally consistent data for the 35-year period 1982–2017, with measures at 1982, 1987, 1992, 1997, and annually from 2000 to 2017. 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, *2017 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 March 11, 2022.



**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: 1993 TO 2022**

[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. Reflects changes in classification resulting from court decisions on past Commission actions. Data are approximate]

Year and month	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
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 3/	4,112,388	197,085	1,973,636	1,930,797	10,870
2006: December 3/	4,112,388	197,663	1,973,631	1,930,224	10,870
2007: December 3/	4,112,388	198,141	1,973,631	1,929,746	10,870
2008: December 3/	4,112,388	198,296	1,973,631	1,928,860	11,602
2009: December 3/	4,112,388	198,492	1,973,631	1,928,663	11,602
2010: December 3/	4,112,388	198,549	1,973,846	1,928,391	11,602
2011: December 3/	4,112,388	198,622	1,973,846	1,928,318	11,602
2012: December 3/	4,112,388	199,970	1,973,846	1,926,971	11,602
2013: December 3/	4,112,388	200,434	1,973,846	1,926,507	11,602
2014: December 3/	4,112,388	200,439	1,973,846	1,926,502	11,602
2015: December 3/	4,112,388	200,439	1,973,846	1,926,502	11,602
2016: December 3/	4,112,388	200,439	1,973,846	1,926,502	11,602
2017: December 3/	4,112,388	200,700	1,973,846	1,926,240	11,602
2018: December 3/	4,112,388	200,843	1,973,846	1,925,952	11,747
2019: December 3/	4,112,388	200,603	1,973,846	1,926,924	11,015
2020: December 3/	4,112,388	200,657	1,973,793	1,926,924	11,015
2021: December 3/	4,112,388	200,698	1,973,792	1,926,883	11,015
2022: December 3/	4,112,388	200,698	1,973,792	1,926,883	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. There had been an increase in the 1983 total area to reflect 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/ 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: 2020 TO 2022**

[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. Data are approximate]

Island	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
2020					
State total	4,112,388	200,657	1,973,793	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	101,715	156,776	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	-	-
2021 and 2022					
State total	4,112,388	200,698	1,973,792	1,926,883	11,015
Hawaii	2,573,400	54,161	1,304,347	1,213,602	1,291
Maui	465,800	24,043	194,836	242,723	4,198
Kahoolawe	28,800	-	28,800	-	-
Lanai	90,500	3,406	38,197	46,490	2,407
Molokai	165,800	2,539	49,768	111,627	1,866
Oahu	386,188	101,715	156,776	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 2023**

[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
2021	546,052	296,816	74,456	140,709	34,071
2022	536,308	298,625	62,725	140,693	34,265
2023	552,289	302,092	75,018	140,905	34,274

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 2022 - 2023" (September 2, 2022) <<https://www.realpropertyhonolulu.com/state-reports/>> accessed January 18, 2023; 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: 2022 AND 2023**

[For fiscal year ending June 30]

Category	Cemeteries	Churches	Hospitals	Schools
2022				
Number				
State total	114	1,589	153	215
Honolulu	42	893	130	126
Maui	7	254	13	17
Hawaii	51	308	4	65
Kauai	14	134	6	7
Amount (\$1,000)				
State total	67,849	3,399,341	1,636,844	1,650,325
Honolulu	46,845	2,644,189	1,367,553	1,299,520
Maui	1,475	400,979	213,737	189,625
Hawaii	10,627	229,297	34,533	117,625
Kauai	8,902	124,876	21,021	43,555
2023				
Number				
State total	114	1,577	162	224
Honolulu	42	883	136	136
Maui	7	255	13	16
Hawaii	51	302	7	64
Kauai	14	137	6	8
Amount (\$1,000)				
State total	72,155	3,607,755	1,597,868	1,722,364
Honolulu	49,307	2,754,546	1,296,884	1,337,645
Maui	1,669	420,625	226,668	195,413
Hawaii	11,959	288,718	51,035	142,344
Kauai	9,220	143,865	23,281	46,961

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/state-reports/>> accessed January 18, 2023.

**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 1/	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](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: 2014 TO 2021**

[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]

Year	Building area (1,000 sq. ft.)				Federal Gov't land acreage			
	Total	Owned	Leased	Otherwise managed 1/	Total	Owned	Leased	Otherwise managed 1/
2014	47,653	46,723	930	(NA)	241,106	186,974	54,132	(NA)
2015	48,919	47,188	1,731	(NA)	429,370	325,459	103,911	(NA)
2016 2/	48,183	45,757	1,291	1,135	77,383	48,207	21,999	7,177
2017 3/	4,354	3,413	721	220	2,563	1,277	1,280	5
2018 3/	4,351	3,421	710	220	2,560	1,281	1,278	1
2019 4/	50,329	48,267	906	1,156	224,860	175,952	47,859	1,049
2020 4/	51,048	48,941	874	1,232	232,135	175,806	55,273	1,056
2021 3/	4,341	3,430	691	220	2,400	1,091	1,308	1

NA Not available.

1/ Indicates that a U.S. state government holds title to the real property asset, but rights for use have been granted to a Federal Government entity in a method other than a leasehold arrangement. Includes state government owned, museum trust, and withdrawn land but does not include public domain land.

2/ Response to inquiry re: significant decline in 'Federal Gov't land acreage' awaited from GSA.

3/ Department of Defense data are not included in FY2017, FY2018, and FY2021 totals. Comparisons to prior or subsequent fiscal year data are not recommended for this reason.

4/ Federal Gov't land acreage total and components revised from previous *Data Book*.

Source: U.S. General Services Administration, Federal Real Property Council, Federal Real Property Profile, FY 2014 Real Property Open Data Set, FY 2014 Summary Data Set, and FRPP Summary of Findings and FY 2014 Real Property Open Data Set, FY 2014 Summary Data Set, and FRPP Summary of Findings and Open Data Set (annual FY2015 to FY2021) <<http://www.gsa.gov/portal/content/102880>> accessed January 5, 2023.

**Table 6.09-- DEPARTMENT OF HAWAIIAN HOME LANDS HOMESTEAD LESSEES AND APPLICANTS, BY ISLAND: 2021 AND 2022**

[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
2021							
Homestead leases 1/	9,967	2,529	1,405	44	837	4,409	743
Residential	8,465	1,719	1,265	44	392	4,349	696
Agricultural	1,092	503	65	-	418	60	46
Pastoral	410	307	75	-	27	-	1
Applications 1/	46,255	15,287	9,278	71	2,139	15,165	4,315
Residential	23,624	5,945	3,891	71	814	11,196	1,707
Agricultural	19,455	7,335	4,748	-	1,123	3,969	2,280
Pastoral	3,176	2,007	639	-	202	-	328
2022							
Homestead leases 1/	9,981	2,522	1,403	44	839	4,431	742
Residential	8,478	1,711	1,264	44	394	4,370	695
Agricultural	1,090	501	64	-	418	61	46
Pastoral	413	310	75	-	27	-	1
Applications 1/	46,560	15,362	9,310	71	2,148	15,321	4,348
Residential	23,787	5,991	3,907	71	815	11,285	1,718
Agricultural	19,585	7,356	4,764	-	1,132	4,036	2,297
Pastoral	3,188	2,015	639	-	201	-	333

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, 2021, 46,210 Statewide applications are held by some 28,904 individual applicants. As of June 30, 2022, there were 46,307 applications by 28,904 individual applicants. Data are subject to audit.

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

<<http://dhhl.hawaii.gov/acro/annual-reports/>> accessed July 10, 2023, "Application Waiting List Summary" (annual as of June 30) <<https://dhhl.hawaii.gov/applications/>> accessed July 10, 2023, and calculations by Hawaii State Department of Business, Economic Development & Tourism.



**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.

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

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

Narrative

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<a href="#">07.22</a>	Average Expenditure per Visitor Day, by Origin of Visitors: 1960-1961 to 2022
<a href="#">07.23</a>	Average Expenditure per Visitor Day in Constant Dollars, for Visitors from the Mainland: 1960-1961 to 2022
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**Table**  
**Number**   **Table Name**

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

<a href="#">07.26</a>	Expenditures per Visitor Day by Visitors from U.S. West, U.S. East and Japan, by Visitor or Trip Characteristics: 2021 and 2022
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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 was formerly provided periodically by the Hawaii Tourism Authority's Tourism Research (particularly in its annual research reports), which as of July 1, 2021, moved to the Hawaii State Department of Business, Economic Development & Tourism (DBEDT). Consequently, the primary sources for information are now the Hawaii Tourism Authority, DBEDT's Research & Economic Analysis Division, the State Parks Division of the Hawaii State Department of Land and Natural Resources, the U.S. National Park Service, the County Park and recreation departments, and other organizations. Long-term trends are summarized in Historical Statistics of Hawaii, Section 11.

**Table 7.01-- PASSENGERS ARRIVING, BY TRANSIT STATUS: 2013 TO 2022**

[Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

<b>Transit status</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
All directions	9,513,611	9,691,996	10,132,074	10,462,968	10,811,431
Landing	9,283,117	9,458,694	9,901,349	10,222,915	10,685,496
Intransit	230,494	233,302	230,725	240,053	125,935
Domestic	6,631,539	6,747,786	7,111,843	7,333,569	(NA)
Landing	6,527,077	6,647,828	7,010,549	7,221,908	7,505,801
Intransit	104,462	99,958	101,294	111,661	(NA)
International	2,882,072	2,944,210	3,020,231	3,129,399	(NA)
Landing	2,756,040	2,810,866	2,890,800	3,001,007	3,179,695
Intransit	126,032	133,344	129,431	128,392	(NA)
<b>Transit status</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
All directions	11,403,884	11,960,460	3,361,708	7,978,128	10,860,979
Landing	11,248,568	11,809,901	3,286,505	7,848,926	10,672,220
Intransit	155,316	150,559	75,203	129,202	188,759
Domestic	(NA)	(NA)	(NA)	(NA)	(NA)
Landing	8,068,542	8,667,939	2,626,267	7,692,437	9,713,226
Intransit	(NA)	(NA)	(NA)	(NA)	(NA)
International	(NA)	(NA)	(NA)	(NA)	(NA)
Landing	3,180,026	3,141,962	660,238	156,489	958,994
Intransit	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>; and calculations by Hawaii State Department of Business, Economic Development & Tourism; and records.

**Table 7.02-- PASSENGER STATUS OF PARTIES AND PASSENGERS  
ARRIVING IN HAWAII: 2016 TO 2022**

[Domestic includes passengers from all flights originating from the mainland United States. International includes passengers from all flights originating from U.S. territories and other countries]

<b>Year and point of origin</b>	<b>All types 1/</b>	<b>Visitors destined to Hawaii 2/</b>	<b>Returning residents</b>	<b>Intended residents 2/</b>
Parties				
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)
2019, total	5,254,072	4,579,315	654,435	(NA)
Domestic	3,988,088	3,393,455	574,298	20,336
International	1,265,984	1,185,846	80,138	(NA)
2020, total	1,599,812	1,318,059	271,624	(NA)
Domestic	1,317,017	1,065,429	241,458	10,129
International	282,795	252,630	30,166	(NA)
2021, total	3,581,431	3,102,162	461,568	(NA)
Domestic	3,477,389	3,024,918	434,770	17,701
International	104,042	77,244	26,798	(NA)
2022, total	4,755,635	4,110,740	623,338	(NA)
Domestic	4,338,519	3,727,459	589,497	21,563
International	417,116	383,274	33,841	(NA)

Continued on next page.

**Table 7.02-- PASSENGER STATUS OF PARTIES AND PASSENGERS  
ARRIVING IN HAWAII: 2016 TO 2022 -- Con.**

Year and point of origin	All types 1/	Visitors destined to Hawaii 2/	Returning residents	Intended residents 2/
Passengers				
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)
2019, total	11,809,901	10,243,165	1,522,669	(NA)
Domestic	8,667,939	7,253,806	1,370,066	44,067
International	3,141,962	2,989,359	152,603	(NA)
2020, total	3,286,505	2,678,073	588,249	(NA)
Domestic	2,626,267	2,065,689	540,395	20,183
International	660,238	612,384	47,854	(NA)
2021, total	7,848,926	6,777,760	1,035,314	(NA)
Domestic	7,692,437	6,656,779	999,806	35,852
International	156,489	120,981	35,508	(NA)
2022, total	10,672,220	9,138,674	1,485,744	(NA)
Domestic	9,713,226	8,233,186	1,432,238	47,802
International	958,994	905,488	53,506	(NA)

NA Not available.

1/ Does not include intransit passengers.

2/ Intended residents were not identified in the international flight survey, therefore they were included in visitors.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>; and calculations by Hawaii State Department of Business, Economic Development & Tourism; and records.



**Table 7.03-- VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS:  
1966 TO 2022**

[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
2019	10,243,165	7,253,806	2,989,359	245,733	182,288	63,445
2020	2,678,073	2,065,689	612,384	77,915	63,921	13,993
2021	6,777,760	6,656,779	120,981	178,938	173,901	5,037
2022	9,138,674	8,233,186	905,488	232,154	206,201	25,953

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.04-- VISITOR ARRIVALS BY MAJOR MARKET AREAS: 2021 AND 2022**

[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/	2021			2022		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
All visitors	6,777,760	6,656,779	120,981	9,138,674	8,233,186	905,488
US West MMA 2/	4,473,588	4,471,699	1,889	5,277,349	5,275,477	1,872
US East MMA 3/	1,995,311	1,993,212	2,099	2,469,128	2,468,463	665
Japan MMA	18,936	2,406	16,530	192,562	6,205	186,357
Canada MMA	87,900	16,270	71,630	414,250	77,656	336,594
Other Asia MMA 4/	22,524	13,583	8,941	137,506	25,147	112,359
China	6,686	6,333	353	13,771	11,193	2,578
Hong Kong	2,004	1,952	52	4,002	3,264	738
Korea	10,652	2,642	8,010	111,863	6,563	105,300
Singapore	1,069	985	84	3,709	2,202	1,507
Taiwan	2,113	1,671	442	4,161	1,925	2,236
Oceania MMA 5/	6,524	3,288	3,236	186,551	28,790	157,761
Australia	4,366	1,229	3,137	155,700	22,611	133,089
New Zealand	2,158	2,059	99	30,851	6,179	24,672
Europe MMA 6/	18,775	16,805	1,970	114,041	99,405	14,636
United Kingdom	7,097	6,887	210	35,921	32,431	3,490
France	2,970	1,600	1,370	16,591	12,207	4,384
Germany	4,691	4,406	285	38,137	33,592	4,545
Italy	1,156	1,124	32	9,710	8,994	716
Switzerland	2,861	2,788	73	13,681	12,180	1,501
Latin America MMA 7/	9,348	9,287	61	20,750	20,035	715
Argentina	2,015	2,003	12	4,716	4,612	104
Brazil	1,382	1,361	21	5,845	5,565	280
Mexico	5,950	5,922	28	10,189	9,858	331
Other MMA 8/	144,853	130,228	14,625	326,536	232,007	94,529

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**Table 7.04-- VISITOR ARRIVALS BY MAJOR MARKET AREAS:  
2021 AND 2022 -- 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 State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.05-- VISITOR DAYS: 1993 TO 2022**

[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
2019	89,692,422	66,535,081	23,157,341
2020	28,516,797	23,395,216	5,121,581
2021	65,312,274	63,473,882	1,838,392
2022	84,736,187	75,263,260	9,472,927

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.06-- AVERAGE DAILY VISITOR CENSUS, BY COUNTY AND ISLAND:  
2021 AND 2022**

[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	2021			2022		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total	178,938	173,901	5,037	232,154	206,201	25,953
Oahu	73,693	70,941	2,752	99,092	82,699	16,394
Hawaii	30,041	29,587	454	37,701	35,635	2,066
Kauai	19,194	19,026	168	28,604	27,566	1,038
Maui County	56,010	54,347	1,663	66,756	60,301	6,455
Maui	54,866	53,209	1,656	65,287	58,924	6,364
Molokai	500	498	2	703	664	39
Lanai	644	640	4	766	713	53

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.07-- VISITOR ARRIVALS, BY AREA VISITED: 2021 AND 2022**

[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	2021			2022		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total	6,777,760	6,656,779	120,981	9,138,674	8,233,186	905,488
Oahu	3,326,622	3,250,596	76,026	4,858,170	4,142,306	715,864
Kauai	813,647	807,658	5,990	1,345,564	1,285,230	60,333
Maui County	2,340,915	2,298,908	42,007	2,969,395	2,717,808	251,587
Maui	2,303,942	2,262,137	41,805	2,921,159	2,672,710	248,449
Molokai	25,758	25,508	251	43,317	38,818	4,498
Lanai	47,829	47,291	539	68,016	60,374	7,643
Hawaii Island	1,183,458	1,172,729	10,729	1,667,633	1,556,623	111,010
Hilo	293,833	291,467	2,365	511,884	464,706	47,178
Kona	1,064,571	1,054,543	10,029	1,458,026	1,363,667	94,359
One island only	5,990,064	5,880,593	109,471	7,764,149	7,040,827	723,322
Oahu only	2,737,925	2,671,018	66,906	3,780,422	3,230,641	549,781

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.08-- SUMMARY CHARACTERISTICS OF OVERNIGHT AND LONGER VISITORS: 2020 TO 2022**

[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
2020			
US residents (percent of total arrivals by air)	74.2	94.0	7.6
Average age of party head	45.4	45.6	45.1
Average party size	2.0	1.9	2.4
Average number of trips to Hawaii	(NA)	6.5	(NA)
Repeat visitors (percent)	(NA)	75.3	(NA)
Pleasure trip (percent)	79.2	76.7	87.4
In hotel only (percent)	45.4	39.6	64.9
One island only (percent)	86.3	87.0	83.9
2021			
US residents (percent of total arrivals by air)	95.4	97.1	3.3
Average age of party head	44.0	44.0	45.6
Average party size	2.2	2.2	1.6
Average number of trips to Hawaii	5.6	5.6	6.9
Repeat visitors (percent)	70.6	70.6	70.7
Pleasure trip (percent)	86.0	86.1	80.6
In hotel only (percent)	45.2	45.2	41.5
One island only (percent)	88.4	88.3	90.5
2022			
US residents (percent of total arrivals by air)	84.8	94.1	0.3
Average age of party head	45.2	45.3	44.5
Average party size	2.2	2.2	2.4
Average number of trips to Hawaii	5.5	5.6	4.3
Repeat visitors (percent)	70.0	71.0	61.0
Pleasure trip (percent)	84.8	84.4	88.1
In hotel only (percent)	47.9	46.9	56.2
One island only (percent)	85.0	85.5	79.9

NA Not available.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.09-- DOMESTIC VISITORS, BY STATE AND REGION: 2021 AND 2022**

[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	2021	2022
United States	6,464,911	7,743,941
Pacific	3,537,051	4,196,819
Alaska	76,286	81,472
California	2,657,296	3,177,044
Oregon	238,626	290,274
Washington	564,843	648,029
Mountain	934,648	1,078,658
Arizona	244,282	279,055
Colorado	211,407	248,260
Idaho	66,519	79,981
Montana	23,192	32,900
Nevada	143,697	170,024
New Mexico	32,104	43,024
Utah	203,771	213,467
Wyoming	9,675	11,947
West North Central	211,863	288,734
Iowa	24,124	33,355
Kansas	28,978	37,494
Minnesota	74,314	103,932
Missouri	52,744	68,449
Nebraska	18,910	26,314
North Dakota	5,577	8,455
South Dakota	7,215	10,734
West South Central	437,758	508,808
Arkansas	15,979	19,583
Louisiana	21,270	24,641
Oklahoma	33,069	37,739
Texas	367,441	426,845
East North Central	382,281	481,841
Illinois	151,620	173,777
Indiana	43,509	57,140
Michigan	69,395	92,278
Ohio	68,696	90,950
Wisconsin	49,061	67,696

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**Table 7.09-- DOMESTIC VISITORS, BY STATE AND REGION:  
2021 AND 2022 -- Con.**

<b>Residence</b>	<b>2021</b>	<b>2022</b>
East South Central	93,455	123,240
Alabama	20,178	27,096
Kentucky	21,557	27,717
Mississippi	8,903	11,773
Tennessee	42,817	56,654
New England	121,804	151,826
Connecticut	25,503	30,488
Maine	7,172	11,382
Massachusetts	69,111	81,311
New Hampshire	8,989	13,905
Rhode Island	6,795	8,367
Vermont	4,234	6,373
Middle Atlantic	280,854	340,700
New Jersey	76,112	91,118
New York	140,479	163,751
Pennsylvania	64,263	85,831
South Atlantic	465,196	573,314
Delaware	5,481	7,612
Washington, D.C.	11,284	12,797
Florida	147,049	170,021
Georgia	76,952	92,825
Maryland	52,316	68,918
North Carolina	63,123	76,247
South Carolina	25,419	32,668
Virginia	78,952	105,935
West Virginia	4,620	6,290

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.10-- TRIP CHARACTERISTICS OF VISITORS: 2021 AND 2022**

[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	
	2021	2022	2021	2022
All visitors 1/	6,656,779	8,233,186	120,981	905,488
Purpose of visit 1/				
Pleasure (net)	5,734,311	6,950,545	97,480	797,678
Vacation	5,515,116	6,695,504	92,526	699,141
Honeymoon	233,858	261,316	5,031	99,838
Wedding/Get Married	45,350	61,008	524	9,460
Meetings, conventions, incentive 1/	95,390	274,454	1,853	41,793
Convention/conference	43,061	149,581	560	16,863
Corporate meeting	28,179	71,785	703	11,366
Incentive	27,826	63,143	624	16,201
Other business	143,234	217,108	1,856	5,187
Visit friends or relatives	823,269	902,592	14,045	42,615
Government or military	56,630	91,803	2,980	8,803
Attend school	14,998	17,764	722	3,118
Sport event	18,337	64,779	524	10,729
Traveler method				
Group tour	83,512	165,190	1,269	37,347
Package	919,219	1,182,680	9,615	198,161
True independent	5,694,152	6,974,375	110,736	694,261
Accommodations				
Hotel	3,461,805	4,465,322	56,872	594,015
Hotel only	3,010,088	3,865,426	50,205	508,544
Condo	1,286,219	1,412,942	31,549	180,915
Condo only	1,057,556	1,144,935	27,230	138,333
Timeshare	675,741	741,430	9,230	71,854
Timeshare only	556,603	599,038	7,343	55,530
Rental house	797,945	1,009,355	7,779	58,624
Hostel	32,618	51,630	1,198	16,373
Camp site	32,563	53,919	817	10,871
Bed & breakfast	67,093	88,361	542	8,766
Cruise ship	2/ -	57,697	2/ -	4,103
Friends, relatives	795,987	954,590	18,757	44,143

1/ Because of multiple responses, detail may add to more than the indicated total.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.11-- ACTIVITY PARTICIPATION BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2021**

[Covers visitors staying overnight or longer anywhere in the State and any overnight or non-overnight interisland trips reported by these visitors. Due to COVID-19, pandemic travel restrictions and limited flights Hawaii from Canada, China, Japan, Korea, and Oceania, only visitors from the United States were interviewed in 2021. 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	95.3	94.8	96.4	(NA)
Self-guided / drive around island	83.1	83.0	83.2	(NA)
Helicopter / airplane tour	4.3	3.3	6.7	(NA)
Boat tour / submarine ride/ whale watching	30.1	27.8	35.4	(NA)
Visit communities	51.6	50.7	53.8	(NA)
Private limousine/ van tour/ bus tour	7.9	5.9	12.5	(NA)
Scenic views / natural landmarks	62.4	59.4	68.9	(NA)
Movie and television filming location tours	4.8	4.2	6.2	(NA)
Recreation	97.8	97.8	97.7	(NA)
Beach / sunbathing	88.9	88.6	89.7	(NA)
Bodyboarding	12.5	14.0	9.2	(NA)
Stand up paddle boarding	7.2	7.4	6.6	(NA)
Surfing	8.6	8.4	9.0	(NA)
Canoeing / kayaking	8.5	8.5	8.5	(NA)
Swimming in the ocean	72.5	72.6	72.1	(NA)
Snorkeling	51.4	52.3	49.5	(NA)
Windsurfing / kitesurfing	0.3	0.3	0.2	(NA)
Jet skiing / parasailing	2.1	1.9	2.6	(NA)
SCUBA diving	3.3	3.1	3.5	(NA)
Fishing	3.2	3.1	3.4	(NA)
Golf	7.9	8.1	7.5	(NA)
Running / jogging / fitness walking	33.5	34.3	31.9	(NA)
Spa	9.1	8.8	9.8	(NA)
Hiking	50.3	47.7	56.0	(NA)
Backpacking / camping	1.6	1.4	2.1	(NA)
Agritourism	11.4	10.5	13.5	(NA)
Sports event / tournament	0.6	0.6	0.6	(NA)
Parks / botanical gardens	35.8	33.1	41.8	(NA)
Zip-lining	4.8	4.7	4.9	(NA)
Entertainment and dining	99.1	99.1	99.0	(NA)
Lunch / sunset / dinner / evening cruise	23.1	21.2	27.2	(NA)
Live music / stage show	22.9	20.4	28.4	(NA)
Nightclub / dancing / bar / karaoke	6.3	6.3	6.3	(NA)
Fine dining	53.8	53.1	55.2	(NA)
Family restaurant	60.1	61.1	57.9	(NA)

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**Table 7.11-- ACTIVITY PARTICIPATION BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2021 -- Con.**

Activity	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Entertainment and dining - Con.				
Fast food	39.2	38.6	40.5	(NA)
Food truck	42.0	40.9	44.3	(NA)
Café / coffee house	48.2	48.1	48.6	(NA)
Ethnic dining	27.8	26.4	31.2	(NA)
Prepared own meals	53.9	56.5	48.2	(NA)
Shopping	97.0	97.1	96.7	(NA)
Mall / department stores	40.1	40.0	40.4	(NA)
Designer boutiques	17.6	17.0	18.9	(NA)
Hotel / resort stores	34.2	32.7	37.7	(NA)
Swap meet / flea market	14.9	14.8	15.1	(NA)
Discount / outlet stores	13.5	13.0	14.6	(NA)
Supermarkets	68.7	71.0	63.7	(NA)
Farmer's market	34.1	35.2	31.8	(NA)
Convenience stores	52.2	51.7	53.3	(NA)
Duty Free stores	2.9	2.8	3.3	(NA)
Local shops / artisans	63.8	62.8	66.0	(NA)
History / culture / arts	63.8	60.4	71.5	(NA)
Historic military sites	20.1	16.8	27.4	(NA)
Historic Hawaiian sites and museums	30.2	28.4	34.3	(NA)
Other historic sites	12.2	11.8	13.1	(NA)
Art galleries and exhibitions	9.1	9.1	9.1	(NA)
Luau / Polynesian show / hula show	23.4	19.8	31.7	(NA)
Lessons: hula / canoeing / ukulele etc.	3.5	3.1	4.4	(NA)
Play / concert / theatre	1.2	1.1	1.4	(NA)
Art / craft fair	7.8	7.9	7.6	(NA)
Festival / event	2.6	2.7	2.2	(NA)
Transportation	91.8	91.8	91.9	(NA)
Airport shuttle	14.7	14.4	15.6	(NA)
Trolley	1.8	1.6	2.1	(NA)
Public bus	4.5	4.1	5.4	(NA)
Tour bus / tour van	7.2	5.4	11.2	(NA)
Taxi / limousine	10.9	10.0	13.1	(NA)
Rental car	77.0	77.8	75.3	(NA)
Ride share	17.5	16.7	19.4	(NA)

NA Not available.

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, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023.

**Table 7.12-- OVERALL SATISFACTION WITH MOST RECENT TRIP TO STATE OF HAWAII BY LIFESTAGE AND VISITATION STATUS BY VISITORS FROM THE U.S. TOTAL: 2021**

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

<b>Category</b>	<b>Excellent</b>	<b>Above average</b>	<b>Below average</b>	<b>Poor</b>
Total	84.6	11.3	3.0	1.2
Lifestyle / lifestage segments				
Wedding / honeymoon	86.4	8.4	2.4	2.7
Family / child	84.1	11.7	3.1	1.2
Young (<35)	89.2	8.1	2.0	0.8
Middle age (35-54)	85.0	11.1	2.8	1.1
Seniors (55+)	82.1	13.2	3.6	1.1
Visitation status				
First timers	87.3	9.1	2.0	1.5
Repeat visitors	83.5	12.2	3.3	1.0

Source: Hawaii Tourism Authority, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaii tourism authority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023; and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 7.13-- OVERALL SATISFACTION WITH MOST RECENT TRIP TO STATE OF HAWAII BY LIFESTAGE AND VISITATION STATUS BY VISITORS FROM THE U.S. WEST: 2021**

[Covers visitors from Pacific and Mountain States of the United States staying overnight or longer. Percent of visitors]

<b>Category</b>	<b>Excellent</b>	<b>Above average</b>	<b>Below average</b>	<b>Poor</b>
Total	84.2	11.7	3.0	1.0
Lifestyle / lifestage segments				
Wedding / honeymoon	83.9	10.2	2.9	3.0
Family / child	83.8	11.8	3.3	1.0
Young (<35)	88.7	8.6	2.1	0.6
Middle age (35-54)	84.5	11.8	2.6	1.1
Seniors (55+)	82.2	13.2	3.6	1.0
Visitation status				
First timers	87.2	9.4	1.9	1.5
Repeat visitors	83.4	12.3	3.3	0.9

Source: Hawaii Tourism Authority, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaii tourism authority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023; and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 7.14-- OVERALL SATISFACTION WITH MOST RECENT TRIP TO STATE OF HAWAII BY LIFESTAGE AND VISITATION STATUS BY VISITORS FROM THE U.S. EAST: 2021**

[Covers visitors from all other states in the continental United States not included in U.S. West staying overnight or longer. Percent of visitors]

<b>Category</b>	<b>Excellent</b>	<b>Above average</b>	<b>Below average</b>	<b>Poor</b>
Total	85.4	10.4	2.8	1.4
Lifestyle / lifestage segments				
Wedding / honeymoon	89.1	6.5	1.9	2.4
Family / child	84.8	11.1	2.4	1.7
Young (<35)	90.0	7.0	1.8	1.2
Middle age (35-54)	86.2	9.6	3.1	1.0
Seniors (55+)	81.7	13.4	3.5	1.4
Visitation status				
First timers	87.5	8.8	2.2	1.5
Repeat visitors	83.6	11.8	3.3	1.3

Source: Hawaii Tourism Authority, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023; and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 7.15-- OVERALL SATISFACTION WITH MOST RECENT TRIP TO STATE OF HAWAII BY LIFESTAGE AND VISITATION STATUS BY VISITORS FROM JAPAN: 2021**

[Due to COVID-19 pandemic travel restrictions and limited flights to Hawaii from Canada, China, Japan, Korea, and Oceania, only visitors from the United States were interviewed in 2021]

<b>Category</b>	<b>Excellent</b>	<b>Above average</b>	<b>Below average</b>	<b>Poor</b>
Total	(NA)	(NA)	(NA)	(NA)
Lifestyle / lifestage segments				
Wedding / honeymoon	(NA)	(NA)	(NA)	(NA)
Family / child	(NA)	(NA)	(NA)	(NA)
Young (<35)	(NA)	(NA)	(NA)	(NA)
Middle age (35-54)	(NA)	(NA)	(NA)	(NA)
Seniors (55+)	(NA)	(NA)	(NA)	(NA)
Visitation status				
First timers	(NA)	(NA)	(NA)	(NA)
Repeat visitors	(NA)	(NA)	(NA)	(NA)

NA Not available.

Source: Hawaii Tourism Authority, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaii tourism authority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023.



**Table 7.16-- OVERALL ISLAND EXPERIENCE BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2021**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. Due to COVID-19 pandemic travel restrictions and limited flights to Hawaii from Canada, China, Japan, Korea, and Oceania, only visitors from the United States were interviewed in 2021. Percent of visitors]

Island and rating	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Oahu				
Excellent	80.2	80.5	79.6	(NA)
Above average	14.7	14.6	14.8	(NA)
Below average	3.7	3.8	3.6	(NA)
Poor	1.4	1.1	1.9	(NA)
Maui				
Excellent	85.9	85.4	87.1	(NA)
Above average	10.7	11.3	9.7	(NA)
Below average	2.6	2.7	2.3	(NA)
Poor	0.8	0.7	0.9	(NA)
Molokai				
Excellent	84.9	84.2	87.5	(NA)
Above average	9.2	8.3	12.5	(NA)
Below average	2.0	2.5	0.0	(NA)
Poor	3.9	5.0	0.0	(NA)
Lanai				
Excellent	84.4	83.3	86.3	(NA)
Above average	11.8	12.1	11.3	(NA)
Below average	3.8	4.6	2.4	(NA)
Poor	0.0	0.0	0.0	(NA)
Hawaii (Hilo/ Kona/ Volcano)				
Excellent	87.4	87.4	87.5	(NA)
Above average	9.6	9.5	9.6	(NA)
Below average	2.1	2.2	1.8	(NA)
Poor	1.0	0.9	1.1	(NA)
Kauai				
Excellent	82.4	81.2	85.2	(NA)
Above average	11.9	12.4	10.7	(NA)
Below average	4.0	4.4	3.0	(NA)
Poor	1.8	2.0	1.2	(NA)

NA Not available.

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, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023.

**Table 7.17-- SOURCES OF INFORMATION FOR TRIP PLANNING BY VISITORS FROM THE U.S. WEST, U.S. EAST, JAPAN, AND CANADA: 2021**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. Due to COVID-19 pandemic travel restrictions and limited flights to Hawaii from Canada, China, Japan, Korea, and Oceania, only visitors from the United States were interviewed in 2021. 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
Personal experience	44.8	31.7	(NA)	(NA)
Recommendations from friends / family	37.3	40.3	(NA)	(NA)
Travel information website	29.6	36.2	(NA)	(NA)
Hawaii destination website	20.9	28.1	(NA)	(NA)
Online travel booking site	20.2	20.7	(NA)	(NA)
Information direct from airline / commercial carrier	19.5	15.8	(NA)	(NA)
Smartphone / tablet app	15.8	17.2	(NA)	(NA)
Information direct from hotel / resorts	15.4	16.5	(NA)	(NA)
Travel blogs	12.0	17.6	(NA)	(NA)
Social media	12.0	15.9	(NA)	(NA)
Travel agents / companies specializing in packaged tours	7.8	12.3	(NA)	(NA)
Guidebooks	7.7	11.5	(NA)	(NA)
Magazine / newspaper article	1.8	3.2	(NA)	(NA)
Television	0.8	1.1	(NA)	(NA)
Information direct from meeting planner / convention sponsor	0.6	1.3	(NA)	(NA)
None	7.0	6.7	(NA)	(NA)

NA Not Available.

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, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023.

**Table 7.18-- AREAS OF IMPROVEMENT FOR VISITOR SATISFACTION, BY VISITORS FROM THE U.S. WEST, U.S. EAST, AND JAPAN, AND BY COUNTY: 2021**

[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. Due to COVID-19 pandemic travel restrictions and limited flights to Hawaii from Canada, China, Japan, Korea, and Oceania, only visitors from the United States were interviewed in 2021. 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	31.8	34.1	(NA)
Transportation			
Ground / public transit availability	0.4	0.2	(NA)
Driving experience	3.9	3.2	(NA)
Traffic	10.4	10.6	(NA)
Food/restaurants			
Quality	1.8	1.4	(NA)
Food / restaurant variety / dining options	5.6	6.0	(NA)
Activities/attractions and local culture			
Would like to experience more local culture	7.4	7.8	(NA)
Safety issues	4.5	4.2	(NA)
Hawaii Island			
No negatives	39.7	39.5	(NA)
Transportation			
Ground / public transit	0.1	0.1	(NA)
Driving experience	1.6	1.5	(NA)
Traffic	4.9	3.6	(NA)
Food/restaurants			
Quality	2.7	2.9	(NA)
Food / restaurant variety / dining options	10.7	9.8	(NA)
Activities/attractions and local culture			
Would like to experience more local culture	5.9	6.9	(NA)
Safety issues	1.0	1.3	(NA)

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**Table 7.18-- AREAS OF IMPROVEMENT FOR VISITOR SATISFACTION, BY VISITORS FROM THE U.S. WEST, U.S. EAST, AND JAPAN, AND BY COUNTY: 2021 -- Con.**

Area of improvement	U.S. West 1/	U.S. East 2/	Japan
Maui			
No negatives	39.6	40.4	(NA)
Transportation			
Ground / public transit	0.1	0.1	(NA)
Driving experience	1.9	2.7	(NA)
Traffic	5.4	5.4	(NA)
Food/restaurants			
Quality	1.7	1.6	(NA)
Food / restaurant variety / dining options	8.6	8.7	(NA)
Activities/attractions and local culture			
Would like to experience more local culture	7.2	7.5	(NA)
Safety issues	1.0	0.8	(NA)
Kauai			
No negatives	28.7	32.1	(NA)
Transportation			
Ground / public transit	0.1	0.0	(NA)
Driving experience	3.8	2.5	(NA)
Traffic	14.6	13.8	(NA)
Food/restaurants			
Quality	2.3	2.2	(NA)
Food / restaurant variety / dining options	10.4	9.7	(NA)
Activities/attractions and local culture			
Would like to experience more local culture	4.9	5.7	(NA)
Safety issues	0.2	0.5	(NA)

NA Not available.

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, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaiiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023.

**Table 7.19-- VISITOR PROFILE AND TRIP CHARACTERISTICS OF VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2021**

[Covers visitors staying overnight or longer anywhere in the State, and any overnight or non-overnight interisland trips reported by these visitors. There were 13,248 respondents recorded from the U.S. 6,556 were from the U.S. West, and 6,692 were from the U.S. East. Percent of visitors is based on these numbers of respondents unless otherwise noted. Due to COVID-19 pandemic travel restrictions and limited flights to Hawaii from Canada, China, Japan, Korea, and Oceania, only visitors from the United States were interviewed in 2021]

Characteristic	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Visitation status				
First timers	30.7	17.5	43.7	(NA)
Repeat visitors	69.3	82.5	56.3	(NA)
Primary purpose of trip				
Pleasure / vacation	74.0	76.3	68.8	(NA)
Visiting friends or relatives	11.9	10.8	14.3	(NA)
Honeymoon	3.1	2.1	5.2	(NA)
Other Business	2.5	2.5	2.6	(NA)
Anniversary / birthday	2.4	2.2	2.7	(NA)
Attend / participate in a wedding / vow renewal	0.9	0.9	0.9	(NA)
Convention / conference	0.5	0.5	0.6	(NA)
Incentive trip	0.5	0.3	0.8	(NA)
Government or military business	0.5	0.4	0.7	(NA)
To get married	0.5	0.3	0.8	(NA)
Attend funeral/memorial service	0.4	0.4	0.4	(NA)
To attend school	0.4	0.4	0.3	(NA)
Real estate purchase or viewing	0.3	0.4	0.1	(NA)
Sports event	0.3	0.3	0.2	(NA)
Have a vacation home / timeshare	0.2	0.2	0.1	(NA)
Property renovation / inspection	0.2	0.2	0.1	(NA)
Other	0.2	0.2	0.3	(NA)
Gender				
Male	38.0	38.5	36.8	(NA)
Female	61.7	61.1	63.0	(NA)
Non-binary	0.3	0.4	0.2	(NA)
Age				
Mean (years)	48.52	48.91	47.64	(NA)
Highest level of school				
No / some high school	0.3	0.4	0.2	(NA)
High school graduate	5.0	5.0	5.1	(NA)
Some college	13.1	13.8	11.6	(NA)
Vocational / technical	3.2	3.5	2.5	(NA)
2-year degree	8.8	8.9	8.5	(NA)
4-year degree	36.8	36.6	37.5	(NA)
Post-graduate degree	32.7	31.9	34.6	(NA)

Continued on next page.

**Table 7.19-- VISITOR PROFILE AND TRIP CHARACTERISTICS OF VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2021 -- Con.**

Characteristic	U.S. total	U.S. West 1/	U.S. East 2/	Japan
Employment status				
Self-employed	14.4	14.8	13.3	(NA)
Employed, working for someone else	58.9	57.5	62.1	(NA)
Retired	18.9	19.8	17.1	(NA)
Student	2.4	2.3	2.5	(NA)
Homemaker	3.4	3.7	2.8	(NA)
Other	2.0	1.9	2.1	(NA)
U.S. visitors' income 3/				
Up to \$40,000	6.1	5.9	6.7	(X)
\$40,000 to \$59,999	6.7	6.5	7.2	(X)
\$60,000 to \$79,999	9.2	8.8	10.2	(X)
\$80,000 to \$99,999	9.6	9.7	9.4	(X)
\$100,000 to \$124,999	12.4	12.3	12.8	(X)
\$125,000 to \$149,999	11.5	11.6	11.1	(X)
\$150,000 to \$174,999	9.9	10.1	9.5	(X)
\$175,000 to \$199,999	7.1	7.4	6.4	(X)
\$200,000 to \$249,999	8.6	8.6	8.6	(X)
\$250,000 or more	18.9	19.2	18.1	(X)
Japan visitors' income				
Less than 3.5 million Yen	(X)	(X)	(X)	(NA)
3.5 million Yen to 4.5 million Yen	(X)	(X)	(X)	(NA)
4.5 million Yen to 5.5 million Yen	(X)	(X)	(X)	(NA)
5.5 million Yen to 6.5 million Yen	(X)	(X)	(X)	(NA)
6.5 million Yen to 7.5 million Yen	(X)	(X)	(X)	(NA)
7.5 million Yen to 8.5 million Yen	(X)	(X)	(X)	(NA)
8.5 million Yen to 10 million Yen	(X)	(X)	(X)	(NA)
10 million Yen to 15 million Yen	(X)	(X)	(X)	(NA)
15 million Yen to 20 million Yen	(X)	(X)	(X)	(NA)
20 million Yen or more	(X)	(X)	(X)	(NA)

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.

3/ U.S. total income is based on a total of 12,327 respondents, income of the U.S. West is based on 6,130 respondents, and income of the U.S. East is based on 6,692 respondents.

Source: Hawaii Tourism Authority, *2021 Visitor Satisfaction and Activity Report and Companion Tables*, prepared by Anthology <<https://www.hawaiitourismauthority.org/research/visitor-satisfaction-and-activity/>> accessed May 3, 2023; and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 7.20-- LENGTH OF STAY OF VISITORS STAYING OVERNIGHT OR LONGER: 2021 AND 2022**

[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	2021			2022		
	Total	Domestic	International	Total	Domestic	International
All visitors	6,777,760	6,656,779	120,981	9,138,674	8,233,186	905,488
1 to 6 days	1,646,689	1,627,715	18,973	2,567,228	2,343,298	223,930
7 to 12 days	4,144,625	4,090,408	54,218	5,330,878	4,854,851	476,026
13 to 30 days	895,318	856,636	38,682	1,138,925	949,262	189,663
31 to 365 days	91,128	82,020	9,108	101,643	85,775	15,868
Mean (days)	9.64	9.54	15.20	9.27	9.14	10.46
Median (days)	7.54	8.00	11.00	7.38	8.00	8.00

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.21-- JAPANESE VISITOR ARRIVALS AND EXPENDITURES:  
2017 TO 2022**

[Covers visitors who arrived by air and stayed overnight or longer anywhere in the state]

<b>Subject</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020 1/</b>	<b>2021</b>	<b>2022</b>
Arrivals (1,000)	1,525	1,490	1,576	289	19	193
Average stay (days)	6.0	6.0	5.9	5.9	15.6	7.9
Expenditures (mil. dol.)	2,160	2,145	2,248	408	65	359

1/ Annual 2020 visitor spending statistics were estimated by DBEDT.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, Annual Visitor Research Report (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.



**Table 7.22-- AVERAGE EXPENDITURE PER VISITOR DAY, BY ORIGIN OF VISITORS: 1960-1961 TO 2022**

[In dollars. Covers visitors who arrived by air and stayed overnight or longer anywhere in the state. Unweighted averages for mainlanders before 1988 and for Japanese before 1990]

Year	Mainlanders	Japanese	Year	Mainlanders	Japanese
1960-1961	32.0	(NA)	2002	150.4	233.1
1965-1966 1/	37.2	(NA)	2003	157.2	240.1
1974	46.2	123.0	2004	158.0	251.5
1977	54.6	146.9	2005	160.8	255.4
1980	71.2	185.0	2006	166.3	266.5
1983	85.9	227.3	2007	170.3	268.8
1986	95.4	299.0	2008	161.0	288.3
1987	102.5	324.0	2009	145.7	268.3
1988	121.4	350.0	2010	151.6	261.1
1989	126.6	322.0	2011	157.8	289.1
1990	136.3	294.0	2012	167.1	310.1
1991	140.5	344.3	2013	172.1	275.7
1992	117.1	344.7	2014	176.6	273.4
1993	116.2	306.5	2015	175.0	236.3
1994	133.8	340.9	2016	180.2	240.3
1995	132.7	356.2	2017	186.9	237.8
1996	137.0	286.9	2018	188.3	241.2
1997	157.1	279.6	2019	188.3	241.6
1998	147.4	235.2	2020 2/	171.8	237.1
1999	148.9	207.5	2021	201.1	220.9
2000	154.9	214.2	2022	232.4	235.4
2001	142.7	227.0			

NA Not available.

1/ Oahu only.

2/ Annual 2020 visitor spending statistics were estimated by DBEDT.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, Data before 1999: *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, records; *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.23-- AVERAGE EXPENDITURE PER VISITOR DAY IN CONSTANT DOLLARS, FOR VISITORS FROM THE MAINLAND: 1960-1961 TO 2022**

[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	2002	179.9	84
1965-1966 2/	32.0	116	2003	184.0	85
1974	49.3	94	2004	188.9	84
1977	60.6	90	2005	195.3	82
1980	82.4	86	2006	201.6	82
1983	99.6	86	2007	207.3	82
1986	109.6	87	2008	215.3	75
1987	113.6	90	2009	214.5	68
1988	118.3	103	2010	218.1	70
1989	124.0	102	2011	224.9	70
1990	130.7	104	2012	229.6	73
1991	136.2	103	2013	233.0	74
1992	140.3	83	2014	236.7	75
1993	144.5	80	2015	237.0	74
1994	148.2	90	2016	240.0	75
1995	152.4	87	2017	245.1	76
1996	156.9	87	2018	251.1	75
1997	160.5	98	2019	255.7	74
1998	163.0	90	2020 3/	4/ 258.9	66
1999	166.6	89	2021	271.0	74
2000	172.2	90	2022	292.6	79
2001	177.1	81			

1/ In constant (1982-84) dollars deflated using U.S. CPI.

2/ Oahu only.

3/ Annual 2020 visitor spending statistics were estimated by DBEDT.

4/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>; U.S. Bureau of Labor Statistics, *U.S. Consumer Price Index-All Urban Consumers, All Items* <<https://www.bls.gov/cpi/data.htm>> accessed June 27, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 7.24-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM  
SELECTED GEOGRAPHIC AREA, BY EXPENDITURE TYPE: 2021 AND 2022**

[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	
	2021	2022	2021	2022	2021	2022	2021	2022
All items	195.5	221.8	212.5	252.1	220.9	235.4	176.4	189.8
Total food and beverage	41.0	45.2	44.5	48.9	51.5	57.4	41.1	40.0
Restaurant food	26.1	28.6	30.1	32.9	33.5	39.9	23.9	23.1
Dinner shows & cruises	3.9	5.2	5.0	6.1	1.1	3.3	2.0	2.7
Groceries and snacks	11.0	11.4	9.5	9.8	16.9	14.2	15.2	14.3
Entertainment & recreation	16.4	19.3	21.8	26.4	11.2	15.7	11.1	13.7
Total transportation	23.4	25.1	25.9	27.3	15.6	16.5	21.7	23.5
Interisland airfare	0.7	1.1	1.9	2.5	0.7	1.2	1.4	1.1
Ground transportation	1.3	1.3	1.7	1.5	3.8	5.7	1.2	1.4
Rental vehicles	20.1	21.1	20.9	21.6	9.5	8.5	17.5	19.2
Gasoline, parking, etc.	1.3	1.5	1.5	1.7	1.5	1.2	1.7	1.8
Total shopping	20.9	21.8	20.3	22.3	54.9	49.8	16.6	14.6
Fashion and clothing	7.8	8.2	7.8	8.1	23.9	17.5	8.3	7.7
Jewelry and watches	2.6	2.7	2.8	3.3	5.1	3.7	1.2	0.9
Cosmetics, perfume	0.3	0.5	0.3	0.5	2.7	2.2	0.3	0.2
Leather goods	2.9	2.5	1.4	1.7	13.0	9.0	1.3	0.6
Hawaii food products	3.1	3.5	2.8	3.1	8.4	11.8	2.6	2.3
Souvenirs	4.2	4.4	5.2	5.6	5.9	6.1	2.8	2.8
Lodging	90.5	105.9	96.2	117.9	81.2	89.0	82.7	94.3
All other expenses 3/	3.3	4.5	3.7	9.3	6.5	7.0	3.2	3.6

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**Table 7.24-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM  
SELECTED GEOGRAPHIC AREA, BY EXPENDITURE TYPE:  
2021 AND 2022 -- Con.**

Expenditure type	Other Asia 4/		Oceania 5/		Europe 6/		Latin America 7/	
	2021	2022	2021	2022	2021	2022	2021	2022
All items	285.1	306.6	235.1	284.7	167.9	192.1	249.7	249.0
Total food and beverage	56.0	59.8	48.9	64.6	40.4	39.9	45.6	47.4
Restaurant food	43.9	47.5	35.3	47.3	29.2	24.0	28.5	29.2
Dinner shows & cruises	4.1	4.1	4.6	5.0	2.6	5.9	8.3	8.5
Groceries and snacks	8.0	8.3	9.1	12.3	8.6	10.0	8.7	9.7
Entertainment & recreation	28.5	30.6	22.6	26.4	16.7	22.6	24.5	24.2
Total transportation	28.4	29.9	14.4	20.4	24.5	27.2	29.9	30.3
Interisland airfare	7.9	8.0	3.0	2.2	4.1	1.9	7.3	7.5
Ground transportation	3.2	3.4	3.4	5.5	3.4	3.6	2.4	2.8
Rental vehicles	16.1	17.2	7.4	11.6	15.2	17.0	18.9	18.7
Gasoline, parking, etc.	1.2	1.2	0.6	1.2	1.7	4.7	1.3	1.3
Total shopping	82.3	88.4	50.2	49.9	12.7	11.5	34.6	30.9
Fashion and clothing	27.1	28.3	32.5	32.5	6.5	6.7	19.0	15.1
Jewelry and watches	7.9	8.4	4.1	3.3	1.2	0.2	3.2	2.9
Cosmetics, perfume	6.5	6.7	3.6	2.6	0.7	0.3	1.3	0.9
Leather goods	28.3	31.8	4.6	4.4	0.6	0.1	0.7	0.4
Hawaii food products	7.0	7.3	1.5	2.1	0.9	1.7	3.4	3.3
Souvenirs	5.4	5.9	3.9	4.8	2.8	2.5	7.0	8.3
Lodging	84.7	92.0	86.3	114.8	67.9	87.5	97.7	99.0
All other expenses 3/	5.3	5.9	12.6	8.6	5.6	3.4	17.4	17.2

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.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.25-- TOTAL VISITOR EXPENDITURES BY EXPENDITURE TYPE:  
2021 AND 2022**

[Total air and cruise visitor expenditures. Total in 2021 does not include cruise visitor expenditures because there were no cruise visitors (see Table 7.29). Covers visitors who stayed overnight or longer anywhere in the state. In millions of dollars]

Expenditure type	2021	2022	Percent change
All items	13,154.2	19,800.0	50.5
Total food and beverage	2,747.9	4,029.5	46.6
Restaurant food	1,770.5	2,617.6	47.8
Dinner shows and cruises	265.3	450.6	69.9
Groceries and snacks	692.0	961.3	38.9
Entertainment & recreation	1,189.7	1,837.6	54.5
Total transportation	1,576.6	2,195.6	39.3
Interisland airfare	85.5	142.5	66.6
Ground transportation	99.7	150.9	51.3
Rental vehicles	1,301.5	1,751.3	34.6
Gasoline, parking, etc.	89.8	151.0	68.1
Total shopping	1,424.9	1,982.0	39.1
Fashion and clothing	550.5	784.1	42.4
Jewelry and watches	174.5	229.2	31.4
Cosmetics, perfume	27.1	56.6	108.6
Leather goods	176.4	210.5	19.3
Hawaii food products	200.6	292.8	46.0
Souvenirs	295.7	408.7	38.2
Lodging	5,949.6	9,138.3	53.6
All other expenses 1/	238.4	516.2	116.6
Supplemental business	27.2	100.8	270.1

1/ Includes cruise package and on-ship spending on U.S. flagged Hawaii home-ported ships.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.26-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM U.S. WEST, U.S. EAST AND JAPAN, BY VISITOR OR TRIP CHARACTERISTICS: 2021 AND 2022**

[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	
	2021	2022	2021	2022	2021	2022
All visitors	195.5	221.8	212.5	252.1	220.9	235.4
Group tour status 3/						
Organized group tour	274.1	262.7	317.2	276.0	273.3	271.7
Individually arranged	196.3	221.0	213.3	248.7	218.6	233.0
Arrived on package tour 3/						
Yes	199.6	223.2	221.7	252.7	285.1	293.9
No	195.9	221.0	212.8	248.5	218.4	218.8
Accommodations						
Hotel	232.9	267.3	262.4	294.2	263.8	274.3
Condo	211.0	235.1	219.6	270.5	197.4	206.0
Guests of friends and relatives	84.4	99.3	83.3	109.3	157.2	141.2
Timeshare	197.5	220.8	169.6	189.2	205.2	153.7
Rental House	209.9	218.0	209.1	240.4	172.7	179.5
Previous visits 3/						
First trip	198.4	226.5	227.3	266.9	238.6	274.5
Repeat visitors	196.1	218.4	198.4	229.2	216.5	225.7
Purpose of trip						
Pleasure	203.3	226.8	219.6	253.7	225.8	223.1
Business, meetings, conventions, incentive	229.0	263.0	219.8	290.6	197.1	273.4
On honeymoon	283.8	311.2	318.0	360.7	240.2	315.0

1/ Pacific and Mountain States of the United States.

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

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 State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.27-- TOTAL VISITOR EXPENDITURES: 1961 TO 2022**

[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)	1992	8,614	141
1962	154	(NA)	1993	7,808	120
1963	186	(NA)	1994	9,544	133
1964	205	(NA)	1995	10,067	141
1965	225	(NA)	1996	9,569	140
1966	280	(NA)	1997	10,102	147
1967	380	(NA)	1998	9,910	149
1968	440	(NA)	1999	9,844	161
1969	550	(NA)	2000	10,396	194
1970	595	(NA)	2001	8,916	145
1971	705	(NA)	2002	9,465	144
1972	836	(NA)	2003	9,889	165
1973	1,017	(NA)	2004	10,702	160
1974	1,233	(NA)	2005	11,696	208
1975	1,355	(NA)	2006	12,301	191
1976	1,637	(NA)	2007	12,626	185
1977	1,834	(NA)	2008	11,220	178
1978	2,150	(NA)	2009	9,819	174
1979	2,541	(NA)	2010	10,889	177
1980	2,871	(NA)	2011	12,048	110
1981	3,195	(NA)	2012	14,250	115
1982	3,687	(NA)	2013	14,413	108
1983	3,847	(NA)	2014	14,851	122
1984	4,442	(NA)	2015	14,977	134
1985	4,780	92	2016	15,793	118
1986	5,567	103	2017	16,669	126
1987	6,281	120	2018	17,510	133
1988	7,813	125	2019	17,716	128
1989	8,371	113	2020 2/	5,119	43
1990	8,707	119	2021	13,127	27
1991	9,004	138	2022	19,699	101

NA Not available.

1/ Expenditures by MCI (meetings, conventions, and incentive) visitors. Not available before 1985.

2/ Annual 2020 visitor spending statistics were estimated by DBEDT.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.28-- VISITOR EXPENDITURES, BY COUNTRY OF RESIDENCE:  
1999 TO 2022**

[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
2019	17,844	17,716	11,636	2,248	1,082	2,750	128
2020 2/	5,162	5,119	3,780	408	389	542	43
2021	13,154	13,127	12,318	65	241	503	27
2022	19,800	19,699	16,250	359	962	2,127	101

1/ Includes cruise ship data.

2/ Annual 2020 visitor spending statistics were estimated by DBEDT.

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.



**Table 7.29-- CRUISE SHIP ARRIVAL AND PASSENGER COUNT: 2018 TO 2022**

Subject	2018	2019	2020 1/	2021 1/	2022
Number of tours 2/	120	123	28	-	91
Number of passengers	255,637	277,093	53,417	-	158,203
Out of state visitors	251,749	273,050	53,098	-	157,118
Arrived by air	124,352	129,542	22,913	-	61,809
Arrived by ship	127,397	143,508	30,185	-	95,309
Hawaii residents	3,888	4,044	319	-	1,085

1/ Due to the COVID-19 pandemic in March 2020, there were no port visits to Hawaii harbors made by passenger cruise ships after March 2020 through 2021, in compliance with the regulations established by the United States Centers for Disease Control.

2/ 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 State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>.

**Table 7.30-- ESTIMATED DIRECT VISITOR-RELATED EXPENDITURES:  
2012 TO 2022**

[In millions of dollars]

<b>Year</b>	<b>Total</b>	<b>Visitors</b>	<b>Overseas airlines</b>	<b>Cruise lines</b>
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
2019	20,459.7	17,844.3	2,448.1	167.3
2020	6,174.3	5,161.7	967.8	44.8
2021	15,199.4	13,154.2	2,045.2	1/ 0.0
2022	22,568.6	19,800.0	2,622.2	146.4

1/ Due to the COVID-19 pandemic in March 2020, there were no port visits to Hawaii harbors made by passenger cruise ships after March 2020 through 2021, in compliance with the regulations established by the United States Centers for Disease Control.

Source: Hawaii Tourism Authority, records and estimates by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 7.31-- ECONOMIC ACTIVITY GENERATED BY VISITOR-RELATED EXPENDITURES: 2012 TO 2022**

[Direct and indirect impact]

<b>Year</b>	<b>Visitor-related expenditures (million dollars)</b>	<b>Gross domestic product (million dollars)</b>	<b>Household income (million dollars)</b>	<b>State tax revenues (million dollars)</b>	<b>Jobs (1,000)</b>
2012	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	1/ 15,430.4	8,483.4	1,750.3	172.7
2018	20,144.2	1/ 16,303.2	8,963.2	1,849.3	176.3
2019	20,459.7	1/ 16,558.6	9,103.6	1,878.3	173.0
2020	6,174.3	1/ 4,997.0	2,747.3	566.8	50.4
2021	15,199.4	1/ 12,301.3	6,763.0	1,395.4	120.0
2022	22,568.6	18,265.3	10,042.0	2,071.9	172.1

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, records and estimates by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 7.32-- WAIKIKI'S SHARE OF TOURISM: 2022**

Measure of tourism	Statewide visitor industry	Waikiki	
		Number	Percent of statewide tourism
Visitor arrivals by air	9,138,674	1/ 4,858,170	(2/)
Average daily visitor census	232,154	78,215	33.7
Visitor units	81,102	30,787	38.0
Occupied visitor units	59,691	23,306	39.0
Total visitor expenditures 3/ (\$ millions)	22,569	8,085	35.8

1/ Oahu visitors.

2/ Because many visitors tour more than one island, percent is not applicable.

3/ Includes a portion of the overseas airfare supporting Hawaii-based airline services and spending by cruise lines on supplies and maintenance.

Source: Hawaii Tourism Authority, records and estimates by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 7.33-- CONTRIBUTION TO THE STATE'S ECONOMY BY STATEWIDE VISITOR INDUSTRY AND BY WAIKIKI: 2022**

Measure of tourism	Contribution of statewide tourism to the state economy		Contribution of Waikiki tourism to the state economy	
	Number	Percent	Number	Percent
Direct impact 1/ Gross domestic product 2/ Civilian jobs 3/ State taxes (\$ millions)	(X) 137.2 1,485.9	(X) 16.3 14.2	(X) 49.2 532.3	(X) 5.8 5.1
Direct and indirect impact 4/ Gross domestic product 4/ (\$ millions) Civilian jobs 3/ State taxes (\$ millions)	18,265.3 172.1 2,071.9	18.6 20.5 19.8	6,543.1 61.7 742.2	6.7 7.3 7.1

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: Estimates by Hawaii State Department of Business, Economic Development & Tourism.

**Table 7.34-- VISITOR INDUSTRY PRICES, PRICE INDEXES, AND PRICE DEFLATOR: 1991 TO 2022**

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	76.5
2002	140.89	692.00	99.00	166.0	102.6	180.3	78.3
2003	144.16	714.00	119.00	167.1	98.5	184.5	80.3
2004	152.17	714.00	139.60	171.0	101.2	190.6	82.7
2005	166.16	829.00	144.70	176.4	102.5	197.8	85.5
2006	187.19	(NA)	167.80	186.0	104.4	209.4	88.5
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	93.2
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	104.5
2015	244.64	(NA)	187.00	263.0	108.9	260.2	107.1
2016	254.03	(NA)	182.40	273.0	111.7	265.3	108.6
2017	264.49	(NA)	189.40	277.6	115.8	272.0	6/ 110.5
2018	278.07	(NA)	189.28	285.6	110.3	277.1	6/ 113.1
2019	283.05	(NA)	189.17	295.3	114.8	281.6	6/ 116.0
2020	266.81	(NA)	193.40	301.2	113.3	286.0	6/ 117.7
2021	6/ 330.32	(NA)	189.00	309.1	109.1	296.8	6/ 122.2
2022	371.21	(NA)	194.01	333.3	110.4	316.1	130.2

Continued on next page.

**Table 7.34-- VISITOR INDUSTRY PRICES, PRICE INDEXES, AND PRICE DEFLATOR: 1991 TO 2022 -- 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 18.43.

4/ Honolulu CPI for All Urban Consumers, from U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers All Items Multi-screen <<https://www.bls.gov/cpi/data.htm>> accessed January 12, 2023. See also *Data Book* Table 14.06.

5/ Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (March 23, 2023) <[http://www.bea.gov/iTable/index\\_regional.cfm](http://www.bea.gov/iTable/index_regional.cfm)> accessed June 21, 2022; 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 7.35-- RETURNING RESIDENTS AND AVERAGE NUMBER ABSENT:  
1993 TO 2022**

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
2019	1,522,669	1,370,066	152,603	69,349	61,422	7,927
2020	588,249	540,395	47,854	46,312	42,682	3,629
2021	1,035,314	999,806	35,508	61,011	57,831	3,179
2022	1,485,744	1,432,238	53,506	74,700	70,095	4,605

Source: Hawaii State Department of Business, Economic Development, and Tourism Research, *Annual Visitor Research Report* (annual) <<http://dbedt.hawaii.gov/visitor/visitor-research/>>; and estimates by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 7.36-- PASSPORTS ISSUED BY THE HONOLULU PASSPORT AGENCY: 2017 TO 2022**

[The area served by the Honolulu Passport Agency includes Hawaii, American Samoa, Guam, the Northern Mariana Islands, and Palau]

<b>Mailing address</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Issued by Honolulu Office	80,702	80,694	79,601	30,630	32,940	72,637
Mailed to Hawaii addresses	57,124	67,401	68,176	22,415	21,034	51,334
Mailed outside the state	23,578	13,293	11,425	8,215	11,906	21,303

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

**Table 7.37-- PERFORMING ARTS, FOR OAHU: 2021-2022 SEASON**

<b>Name of organization and type of performance</b>	<b>Productions</b>	<b>Performances</b>	<b>Attendance</b>
All reporting groups	(NA)	(NA)	(NA)
Department of Enterprise Services, total	(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			
Theater	(NA)	(NA)	(NA)
Music	(NA)	(NA)	(NA)
Diamond Head Theater 2021-2022	(NA)	(NA)	(NA)
Hawaii Pacific University			
Theater	2	12	600
Music	2	2	1,400
Honolulu Theater for Youth 1/ Kennedy Theater	4	147	11,610
Dance	3	9	635
Theater	8	26	1,479
Manoa Valley Theater	(NA)	(NA)	(NA)
Kumu Kahua Theater	(NA)	(NA)	(NA)
Paliku Theatre 2/	1	8	724

NA Not available.

1/ HTY pivoted to a television show broadcast on all Hawaii News Now stations which started in March 2020 because of production cancellations, along with State of Hawaii and City and County work from home orders. For the 2021 to 2022 season, HTY pivoted to a hybrid season, producing both virtual and live performances.

2/ Paliku Theatre moved to online performances in 2020 because of the COVID-19 pandemic. The theatre reopened in Spring 2022.

Source: Hawaii State Department of Business, Economic Development & Tourism mail and telephone survey.

**Table 7.38-- SYMPHONY ORCHESTRA ACTIVITIES: 1994-1995 TO 2017-2018**

Season	Average number of orchestra personnel	Number of performances	Total attendance	Operating expenses (dollars)
Hawaii Symphony Orchestra				
1994-1995 1/	62	115	120,000	4,700,000
Honolulu Symphony Orchestra				
1995-1996 2/	80	45	65,000	2,343,305
1996-1997 3/	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 4/	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 5/	80	8	12,758	2,125,968
2010-2011 6/	-	-	-	310,629
Hawaii Symphony Orchestra				
2011-2012 7/	80	21	20,652	2,434,179
2012-2013 8/	80	1	2,057	215,449
2013-2014	80	20	24,564	9/ 3,486,554
2014-2015	80	23	30,089	10/ 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

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**Table 7.38-- SYMPHONY ORCHESTRA ACTIVITIES: 1994-1995 TO 2017-2018 -- Con.**

- 1/ First season in operation. The attendance total is estimated.
  - 2/ 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.
  - 3/ Recording of expenses in compliance with FASB 116 & 117 pertaining to not-for-profit corporations, for 18-week season.
  - 4/ Canceled Shell series and Ohana series due to expense.
  - 5/ Canceled season in October 2009. Filed Chapter 11 in December 2009.
  - 6/ Converted to Chapter 7 in December 2010.
  - 7/ First season in operation.
  - 8/ No season presented, except 4th of July concert.
  - 9/ Expense includes \$556,431 in contracted revenue for Hawaii Opera and Ballet Hawaii.
  - 10/ 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 7.39-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2020 TO 2022**

[For calendar year unless otherwise specified. Emergency orders in response to the COVID-19 pandemic forced the closure of cultural establishments in mid-March 2020. If available, the majority of 2020 data reflect visitors from January to March 2020]

Island and cultural attraction	2020	2021	2022
OAHU			
Atlantis Submarines	41,415	122,967	175,932
Atlantis Cruises	8,411	10,934	35,609
Battleship Missouri Memorial	115,359	257,435	459,176
Bernice P. Bishop Museum	(NA)	(NA)	(NA)
Diamond Head State Monument 1/ 2/	(NA)	(NA)	(NA)
Foster Botanical Garden	30,725	56,203	(NA)
Harold L. Lyon Arboretum	19,502	19,963	27,104
Hawaii's Plantation Village	5,387	(NA)	(NA)
Hawaii State Art Museum (HiSAM)	3/ 19,721	51,377	(NA)
Honolulu Museum of Art on Beretania	59,171	58,409	83,395
Honolulu Museum of Art at First Hawaiian Center	(NA)	(NA)	(NA)
Honolulu Museum of Art at Spalding House	(4/)	(4/)	(4/)
Honolulu Police Department Museum	384	135	817
Honolulu Zoo	387,103	341,469	456,833
Hoomaluhia Botanical Garden	271,740	561,209	(NA)
Iolani Palace State Monument	36,287	56,984	76,050
King Kamehameha V Judiciary History Center 1/	5/ 20,000	(NA)	2,051
Mormon Temple Grounds 6/	(NA)	(NA)	(NA)
Pearl Harbor Aviation Museum 7/	53,089	128,714	242,871
Polynesian Cultural Center	(NA)	(NA)	(NA)
Puu O Mahuka Heiau State Historic Site	(8/)	(8/)	(8/)
Queen Emma Summer Palace	(NA)	(NA)	(NA)
Royal Mausoleum State Monument	(8/)	(8/)	(8/)
Sea Life Park Hawaii 9/	41,392	125,000	190,915
Tropic Lightning Museum, Schofield Barracks 9/	1,611	7,305	4,740
Ulupo Heiau State Historical Park	(8/)	(8/)	(8/)
U.S. Army Museum of Hawaii, Ft. DeRussy 9/	20,260	45,502	10/ 5,326
U.S.S. Bowfin Submarine Museum	94,342	242,976	321,765
University of Hawaii Art Gallery 5/	(NA)	(NA)	(NA)
Waikiki Aquarium 1/	191,270	(NA)	(NA)
Waimea Valley	133,867	11/ 456,815	475,505
WWII Valor in the Pacific National Monument 12/	415,542	1,185,369	1,545,582

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**Table 7.39-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2020 TO 2022 -- Con.**

Island and cultural attraction	2020	2021	2022
HAWAII			
H.N. Greenwell Store	(NA)	(NA)	(NA)
Hawaii Tropical Botanical Garden	(NA)	(NA)	(NA)
Hawaii Volcanoes National Park 13/	589,775	1,262,747	1,580,961
Hulihee Palace	(NA)	(NA)	(NA)
Kaloko-Honokohau National Historical Park	133,877	262,653	291,342
Kona Coffee Living History Farm 14/	(NA)	(NA)	(NA)
Lyman House Memorial Museum	3,585	6,858	8,126
Nani Mau Gardens	(8/)	(8/)	(8/)
Pacific Tsunami Museum	5,048	-	951
Panaewa Rainforest Zoo and Gardens 1/	(15/)	118,253	360,000
Puuhonua O Honaunau National Historical Park	130,845	250,919	311,441
Puukohola Heiau National Historic Site	23,970	24,326	31,602
Volcano Art Center Gallery	(NA)	(NA)	(NA)
Volcano Art Center Campus	(NA)	(NA)	(NA)
MAUI			
Alexander & Baldwin Sugar Museum	5,010	4,743	8,086
Aquarium Maui/Maui Ocean Center	86,692	257,570	334,073
Haleakala National Park	319,147	853,181	1,087,616
Halekii-Pihana Heiau State Historical Site	(8/)	(8/)	(8/)
Hana Cultural Center	28	150	(NA)
Hawaiian Islands Humpback Whale Sanctuary 5/	3,000	-	(NA)
Iao Valley State Monument	(8/)	(8/)	(8/)
Kula Botanical Garden	(NA)	(NA)	(NA)
Lahaina Restoration Foundation	6,557	7,039	17,509
Baldwin Missionary Home Museum	3,720	6,060	12,819
Hale Pai Printing House	-	-	345
Wo Hing Temple Museum	2,837	979	4,345
Maui Historical Society Bailey House Museum	(NA)	(NA)	(NA)
Maui Ocean Center-The Aquarium of Hawaii	86,962	257,570	334,073
The Whale Center of Hawaii 16/	(NA)	(NA)	(NA)
MOLOKAI			
Kalaupapa National Historical Park 17/	15,847	25,252	38,771

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**Table 7.39-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2020 TO 2022 -- Con.**

Island and cultural attraction	2020	2021	2022
LANAI			
Lanai Culture & Heritage Center	(NA)	(NA)	(NA)
KAUAI			
Grove Farm Homestead	1,228	1,758	2,774
Kauai Museum	8,280	7,000	18/ 59,804
Kauai Ocean Discovery	1,000	(NA)	(NA)
Kilauea Point National Wildlife Refuge 19/	(NA)	(NA)	(NA)
Kokee Natural History Museum	(NA)	(NA)	(NA)
Waioli Mission House	71	100	257

NA Not available.

1/ Fiscal year ending June 30.

2/ Diamond Head State Monument is the only State Park where an entry fee is charged to all visitors. The estimated attendance is based on revenues received from entrance fees paid by walk-ins, drive-ins, and commercial vehicles.

3/ The Hawaii State Art Museum closed from April to July due to the COVID-19 pandemic. The Museum reopened in July, but closed again for the month of September.

4/ The Spalding House closed at the end of 2019.

5/ Data are estimates.

6/ Church of Jesus Christ of Latter-Day Saints, Hawaii Temple Visitors' Center.

7/ Formerly known as the Pacific Aviation Museum.

8/ No visitor counts are conducted.

9/ Fiscal year ending September 30.

10/ The U.S. Army Museum of Hawaii was open for January and part of February 2022, then closed for the rest of 2022. The museum reopened on February 7, 2023.

11/ Revised from previous *Data Book*.

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

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

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

15/ The Zoo and Gardens were open from January to March, but attendance records were not available.

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

17/ Includes Kalaupapa Settlement.

18/ Kauai Museum experienced an uptick of visitors because they had three travelling exhibits.

19/ Visitor count is for Kilauea Point only. Does not include counts for the overlook on Kilauea Road. The refuge was closed from December 26, 2019 through January 9, 2020. Attendance in 2022 represents the two months the museum was open for January and February.

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

**Table 7.40-- NATIONAL PARKS, SITES AND MONUMENTS: 2003 TO 2022**

Year and area	Acreage, Dec. 31			Visits
	Total	Federal	Non-federal	
2003	364,981	353,292	11,689	1/ 4,879,193
2004	364,999	353,434	11,564	1/ 5,403,073
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	1/ 5,122,853
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	371,494	360,134	11,360	1/ 4,838,838
2019	371,494	360,134	11,360	4,929,610
2020	371,494	360,134	11,360	1,629,003
2021	371,494	360,134	11,360	3,864,447
2022	390,917	379,557	11,360	4,887,315
AREAS: 2022				
Haleakala National Park	33,481	33,481	(2/)	1,087,616
Hawaii Volcanoes National Park	344,812	344,812	-	1,580,961
Honouliuli National Monument	154	123	31	(3/)
Kalaupapa National Historical Park	10,779	23	10,756	38,771
Kaloko-Honokohau National Historical Park	1,163	616	547	291,342
Pearl Harbor National Memorial 4/	22	22	-	1,545,582
Puuhonua o Honaunau National Historical Park	420	420	-	311,441
Puukohola Heiau National Historic Site	86	61	25	31,602

1/ Revised from previous *Data Book*.

2/ Figure rounds to zero 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 June 6, 2023.



**Table 7.41-- STATE PARKS AND HISTORIC SITES: 1995 TO 2020**

[As of June 30]

Year and island	Number of areas	Acreage	
		Total	Developed
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
2020 1/	64	32,921.5	704.5
ISLAND: 2020 1/			
Hawaii	16	6,969.2	235.8
Maui	9	326.5	37.9
Molokai	1	233.7	10.0
Oahu	28	11,291.0	290.2
Kauai	10	14,101.1	130.6

1/ No new parks were added or removed. The Hawaii State Department of Land and Natural Resources identified acreage discrepancies and provided a more accurate total.

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

**Table 7.42-- 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 7.43-- NATIONAL AND STATE HISTORIC SITES, BY ISLAND:  
2021 AND 2022**

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

State and island	2021 1/			2022 2/		
	Listed Hawaii Register	Nominated Hawaii Register	Listed National Register	Listed Hawaii Register	Nominated Hawaii Register	Listed National Register
State total	1,093	3	366	1,100	3	384
Hawaii	185	1	87	185	1	93
Kahoolawe	1	-	1	1	-	1
Kauai	81	-	40	80	-	40
Lanai	1	-	2	1	-	2
Maui	76	-	62	75	-	62
Molokai	158	-	4	158	-	4
Northwestern Hawaiian Islands	1	-	3	1	-	2
Oahu	590	2	167	598	2	180

1/ As of April 27, 2022.

2/ As of March 24, 2023.

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" (March 2023) <<https://dlnr.hawaii.gov/shpd/>> accessed June 16, 2023.

**Table 7.44-- ZOOS: 2018 TO 2022**

Subject and zoo	2018	2019	2020	2021	2022
Species 1/ 2/					
Honolulu Zoo	191	185	181	181	177
Panaewa Rainforest Zoo and Gardens (Hilo)	85	88	85	89	84
Individuals 1/ 2/					
Honolulu Zoo	814	762	751	727	687
Panaewa Rainforest Zoo and Gardens (Hilo)	172	190	192	188	291
Attendance 3/ 4/					
Honolulu Zoo	579,134	569,049	387,103	341,469	456,833
Panaewa Rainforest Zoo and Gardens (Hilo)	269,453	283,807	(NA)	118,253	360,000

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.

4/ In 2020 and 2021, attendance was impacted by statewide closures due to the COVID-19 pandemic.

Source: City and County of Honolulu, Department of Enterprise Services, Honolulu Zoo and County of Hawaii, Department of Parks and Recreation, records.

**Table 7.45-- AQUATIC COLLECTIONS: 2022**

[As of June 30. For annual attendance, see table 7.40. Waikiki Aquarium is updated as of 2019; Sea Life Park is updated as of 2022]

Phylum or class	Sea Life Park		Waikiki Aquarium	
	Species	Individuals	Species	Individuals
Total	57	1,666	349	2,953
Fishes	39	1,081	180	1,166
Reptiles	1	32	-	-
Mammals	5	18	1	1
Invertebrates	6	89	168	1,786
Birds	6	446	-	-

Source: Sea Life Park, records; and Waikiki Aquarium, records.

**Table 7.46-- COUNTY PARKS, BY ISLAND: 2020 TO 2022**

[As of December 31]

Island	Number			Acreage		
	2020	2021	2022	2020	2021	2022
State total	755	760	1/ 650	11,145	11,232	1/ 8,387
Hawaii	209	209	(NA)	2,908	2,908	(NA)
Maui	141	142	145	2,436	2,479	2,528
Lanai	5	5	5	24	24	24
Molokai	13	13	13	83	83	83
Oahu	302	306	402	4,909	4,953	4,967
Kauai	85	85	85	785	785	785

1/ Total does not include county parks on Hawaii Island.

Source: County parks and recreation departments.

**Table 7.47-- ATTENDANCE AND WATER SAFETY AT GUARDED BEACH PARKS, FOR THE CITY AND COUNTY OF HONOLULU: 2022**

<b>Beach park</b>	<b>Estimated attendance 1/</b>	<b>Rescues</b>	<b>Drownings</b>	<b>Surfing accidents</b>
All parks	21,801,600	3,498	4	109
Ala Moana	2,863,822	55	-	5
Alii/Haleiwa	636,953	111	-	4
Bellows	104,443	7	-	-
Chun's Reef	344,980	86	-	-
Ehukai	599,132	124	-	6
Hanauma	1,363,000	210	1	-
Kailua	992,146	12	-	-
Keauwaula	187,196	20	-	-
Ke Waena	369,957	39	1	-
Kualoa	307,815	402	-	-
Laniakea	420,317	101	-	6
Maili	411,393	24	-	-
Makaha	366,482	55	-	-
Makapuu	214,711	111	-	-
Nanakuli	447,329	53	-	-
Pokai Bay	329,229	7	-	-
Sandy	533,721	826	-	2
Sunset	593,763	69	-	-
Waikiki	9,322,325	963	2	85
Waimanalo	690,506	94	-	1
Waimea	702,380	129	-	-

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 7.48-- SANDY SHORELINE AND PUBLIC BEACH ACTIVITIES,  
BY ISLAND: 2023**

[Public beach recommendations as of February 10, 2023]

Subject	State total	Hawaii	Maui	Oahu	Kauai
Miles of shoreline	610	266	120	112	112
Sandy shoreline	169	(NA)	56	67	47
Number of public beaches	63	11	9	33	10
Recommended for					
Swimming	46	8	9	21	8
Surfing	28	-	5	21	2
Snorkeling	25	5	7	9	4
Scuba diving	8	-	-	7	1
Fishing	28	-	2	22	4
Body boarding	24	-	8	13	3
With amenities	39	7	8	24	-
With parking	55	9	8	28	10
With lifeguard	58	11	8	29	10

NA Not available.

Source: U.S. Army Corps of Engineer Institute for Water Resources, *Hawaiian Islands National Shoreline Management Study* (September 2018) <<https://usace.contentdm.oclc.org/utis/getfile/collection/p16021coll2/id/2963/rec/1>> accessed June 4, 2019; Hawaiian Lifeguard Association, "Hawaii Beach Safety" <<https://www.hawaiibeachsafety.com>> accessed February 10, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 7.49-- COUNTY TENNIS FACILITIES: 2010 TO 2022**

[As of December 31 unless otherwise indicated]

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
<b>Locations</b>							
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
2020	96	19	13	2	1	51	10
2021	96	19	13	2	1	51	10
2022	93	19	13	2	1	1/ 48	10
<b>Courts</b>							
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
2020	324	44	43	3	2	208	24
2021	322	44	41	3	2	208	24
2022	316	44	41	3	2	1/ 202	24

1/ As of March 2, 2023.

Source: County parks and recreation departments; and Honolulu Department of Parks and Recreation, Public Tennis Courts <<https://www.honolulu.gov/cms-dpr-menu/site-dpr-sitearticles/44119-tennis-courts.html>> accessed June 21, 2023.

**Table 7.50-- GOLF COURSES, BY NUMBER OF HOLES, TYPE AND ISLAND: 2023**

Island and course type 1/	Number of golf courses					Number of holes
	Total	9-hole	18-hole	27-hole	36-hole	
State total	82	13	66	2	1	1,395
Military	7	2	5	-	-	108
Municipal	9	1	8	-	-	153
Private	16	3	13	-	-	261
Public	50	7	40	2	1	873
Hawaii	19	5	13	-	1	315
Municipal	1	-	1	-	-	18
Private	7	1	6	-	-	117
Public 2/	11	4	6	-	1	180
Maui	15	1	14	-	-	261
Municipal	1	-	1	-	-	18
Private	1	1	-	-	-	9
Public	13	-	13	-	-	234
Lanai	2	1	1	-	-	27
Public 3/	2	1	1	-	-	27
Molokai	1	1	-	-	-	9
Public	1	1	-	-	-	9
Oahu	36	4	31	1	-	621
Military	7	2	5	-	-	108
Municipal	6	1	5	-	-	99
Private	6	1	5	-	-	99
Public	17	-	16	1	-	315
Kauai	9	1	7	1	-	162
Municipal	1	-	1	-	-	18
Private	2	-	2	-	-	36
Public	6	1	4	1	-	108

1/ Course type 'Private' includes Semi-Private and Private-Resort, and 'Public' includes Resort.

2/ Includes Sea Mountain Golf Course which is permanently closed.

3/ Includes Koele Golf Course which is permanently closed.

Source: Hawaii State Golf Association <<http://www.hawaiiategolf.org/>> accessed March 17, 2023; and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 7.51-- COUNTY GOLF COURSES AND CAMPING PERMITS, FOR OAHU: 1991 TO 2022**

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
2020	6	99	312,404	3/ 3,558
2021	6	99	401,247	6,660
2022	6	99	441,109	8,776

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.

3/ Emergency orders in response to the COVID-19 pandemic forced the closure of public camping areas in mid-March 2020. Public camping areas reopened June 12, 2020 per DLNR Division of State Parks.

Source: City and County of Honolulu, Department of Parks and Recreation, records and Department of Enterprise Services, records.

**Table 7.52-- SONY OPEN SCORES AND PURSES: 1999 TO 2023**

[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
2021	72	259	21	6,600,000	1,188,000
2022	72	257	23	7,500,000	1,350,000
2023	72	262	18	7,900,000	1,422,000

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 April 28, 2023.

**Table 7.53-- PUBLIC HUNTING AREAS AND WILDLIFE SANCTUARIES AND REFUGES, BY ISLAND: FEBRUARY 15, 2023**

Island	Public hunting areas		Wildlife sanctuaries and refuges 1/	
	Number	Acreage (1,000)	Number	Acreage (1,000)
State total	122	939.1	49	30.1
Hawaii	62	686.0	5	28.0
Maui	18	68.0	13	0.6
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 7.54-- FISHING AND HUNTING LICENSES ISSUED: 2010 TO 2022**

[Fiscal years ending June 30]

<b>Year</b>	<b>Freshwater fishing licenses</b>	<b>Hunting licenses</b>
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
2019	4,700	12,092
2020	(NA)	12,647
2021	4,358	12,553
2022	4,272	13,936

NA Not available.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources and Division of Forestry and Wildlife, records.

**Table 7.55-- HONOLULU MARATHON REGISTRANTS, FINISHERS AND WINNING TIMES: 1992 TO 2022**

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
2020	(1/)	(1/)	(1/)	(1/)
2021	11,385	6,241	2:14:30	2:41:24
2022	19,315	14,276	2:14:40	2:30:58

1/ The Honolulu Marathon was canceled because of the COVID-19 pandemic. Registered participants were given the option to participate in a virtual run or defer their entry to the 2021 Honolulu Marathon.

Source: Honolulu Marathon Association, Honolulu Marathon Champions & Entrants/Finishers History & Statistics <<https://www.honolulumarathon.org/key-information/history-statistics>> accessed February 13, 2023; Honolulu Marathon Association, Honolulu Marathon December 12, 2021 Overall Results <<https://pserevents.com/events/1207/results>> accessed February 13, 2023; and records.

**Table 7.56-- IRONMAN TRIATHLON WORLD CHAMPIONSHIP PARTICIPANTS, FINISHERS AND WINNING TIMES: 1992 TO 2022**

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
2020	(1/)	(1/)	(1/)	(1/)
2021 2/	3,366	2,298	7:49:16	9:43:29
2022	5,204	4,695	7:40:24	8:33:46

1/ The Ironman Kona World Championship was canceled because of the COVID-19 pandemic.

2/ The Ironman Kona World Championship was postponed to February 5, 2022 because of an increase in COVID-19 cases in 2021.

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 June 1, 2021; 2021 Ironman World Championship Results <<https://www.ironman.com/im-world-championship-2022-results>>; 2022 Ironman World Championship Results <<https://www.ironman.com/im-world-championship-2023-results>> accessed on June 16, 2023.



**Table 7.57-- TRANSPACIFIC YACHT CLUB'S HONOLULU RACE ENTRIES  
AND WINNING TIMES: 1985 TO 2021**

[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	90	8:16:21:29	8:00:52:37
2021	41	6:16:18:14	7:17:19:38

Source: Transpacific Yacht Club, "Transpacific Race Results" <<http://www.transpacrace.com>> accessed March 7, 2022.

**Table 7.58-- TOTAL ATTENDANCE AT FOOTBALL BOWL GAMES:  
2002-2003 TO 2022-2023 SEASONS**

Season	Hawaii Bowl		Pro Bowl 1/
	Tickets sold	Turnstile count	Attendance
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
2020-2021	(5/)	(5/)	(5/)
2021-2022	(6/)	(6/)	56,206
2022-2023	6,605	3,121	58,331

NA Not available.

1/ Turnstile count not available for Pro Bowl.

2/ Held in Miami, Florida.

3/ Held in Phoenix, Arizona.

4/ Held in Orlando, Florida.

5/ Canceled due to the COVID-19 pandemic.

6/ The Hawaii Bowl was canceled for the 2021-2022 season 24 hours before kick off because of COVID-19 related issues with the University of Hawaii football team.

Source: SoFi Hawaii 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 (Hawaii 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/2021/seasontype/3/week/4](https://www.espn.com/nfl/scoreboard/_/year/2021/seasontype/3/week/4)> accessed April 6, 2022 and "NFL encouraged by new Pro Bowl format, champions flag football" <[https://www.espn.ph/nfl/story/\\_/id/3562426/6/new-pro-bowl-games-format-looks-here-stay-nfl](https://www.espn.ph/nfl/story/_/id/3562426/6/new-pro-bowl-games-format-looks-here-stay-nfl)> accessed June 30, 2023; and Hawaii Bowl records.

**Table 7.59-- VARSITY SPORTS SUMMARY FOR THE UNIVERSITY OF HAWAII AT MANOA: 2018-2019 TO 2021-2022**

[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
<b>2018-2019</b>						
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
<b>2019-2020</b>						
Baseball 2/	17	11	6	-	14	40,139
Basketball (men's)	30	17	13	-	20	114,333
Basketball (women's)	30	16	14	-	16	52,068
Football	15	10	5	-	9	211,090
Volleyball (men's) 2/	16	15	1	-	10	52,333
Volleyball (women's)	30	26	4	-	19	120,318
<b>2020-2021 3/</b>						
Baseball	50	24	26	-	27	-
Basketball (men's)	21	11	10	-	12	-
Basketball (women's)	17	9	8	-	6	-
Football	9	5	4	-	5	-
Volleyball (men's)	8	17	1	-	7	-
Volleyball (women's) 4/	-	-	-	-	-	-
<b>2021-2022</b>						
Baseball	52	28	24	-	27	80,673
Basketball (men's)	28	17	11	-	14	47,698
Basketball (women's)	30	20	10	-	15	15,454
Football	13	6	7	-	6	13,814
Volleyball (men's)	32	27	5	-	18	72,901
Volleyball (women's)	30	22	8	-	15	12,583

1/ Volleyball data refer to matches.

2/ Season was incomplete due to the COVID-19 pandemic.

3/ Fans were not allowed to attend any events for the season because of the COVID-19 pandemic.

4/ Women's volleyball did not have a season because of the COVID-19 pandemic.

Source: University of Hawaii, Office of Intercollegiate Athletics, Sports Media Relations, records.

See also <<http://www.ncaa.org/stats/>>.

**Table 7.60-- PUBLIC HIGH SCHOOL INTERSCHOLASTIC SPORTS:  
2016-2017 TO 2021-2022 SEASONS**

[Data are for Oahu only (OIA)]

<b>Sport</b>	<b>Players</b>	<b>Games 1/</b>	<b>Attendance</b>	<b>Expenditure 2/ (dollars)</b>
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
2019-2020				
Baseball	Boys	(NA)	(NA)	(NA)
Basketball	Boys and girls	296	16,746	169,272
Football	Boys	135	118,370	237,319
2020-2021 4/				
Baseball	Boys	77	-	20,917
Basketball	Boys and girls	-	-	-
Football	Boys	-	-	-
2021-2022				
Baseball	Boys	(NA)	(NA)	71,423
Basketball	Boys and girls	200	16,728	131,726
Football	Boys	142	57,001	195,242

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).

4/ Only includes game information for events conducted by public schools on Oahu during the spring season. fall and winter seasons not conducted due to the COVID-19 pandemic.

Source: Hawaii State Department of Education, Office of Curriculum and Instruction Design, records.

**Table 7.61-- PROFESSIONAL BOXING AND MIXED MARTIAL ARTS  
(MMA): 1995 TO 2020**

Subject	Number of promoters	Number of shows	Paid attendance	Gross receipts (dollars)
Pro boxing				
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)
2020	(2/)	(2/)	(2/)	(2/)
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)
2020	(NA)	2/ 4	(NA)	(NA)

NA Not available.

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

2/ All events were canceled after March 2020.

Source: Hawaii State Department of Commerce and Consumer Affairs, Boxing Commission, records.

**Table 7.62-- DOG LICENSES ISSUED, BY ISLAND: 2000 TO 2022**

[Dogs are licensed on a biennial basis]

Year	State total	Hawaii	Maui 1/	Lanai	Molokai	Oahu 2/	Kauai
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	3/ 36,121	1,942
2005	53,415	10,454	4,621	24	30	3/ 35,638	2,648
2006	50,440	8,836	4,282	17	27	3/ 35,163	2,115
2007	50,403	6,504	4,997	9	27	3/ 34,966	3,900
2008	50,919	6,186	7,009	16	32	3/ 35,129	2,547
2009	52,623	7,881	5,039	25	36	3/ 35,129	4,513
2010	51,072	7,353	4,683	65	61	3/ 34,797	4,113
2011	49,763	6,647	4,880	22	24	3/ 33,736	4,454
2012	45,803	6,205	4,042	(4/)	(4/)	3/ 32,892	2,664
2013	42,824	2,167	3,978	54	26	32,970	5/ 3,709
2014	44,607	6,504	4,034	(4/)	(4/)	32,474	1,595
2015	42,638	4,609	3,701	(4/)	(4/)	30,983	3,345
2016	43,653	8,203	3,520	(4/)	(4/)	30,560	1,370
2017	45,475	7,804	4,758	(4/)	(4/)	30,692	2,893
2018	41,207	5,738	4,835	(4/)	(4/)	28,961	2,447
2019	(NA)	6,378	4,682	(4/)	(4/)	26,143	3,025
2020	(NA)	(NA)	3,878	(4/)	(4/)	6/ 23,461	(NA)
2021	(NA)	7/ (NA)	3,213	(4/)	(4/)	(6/)	8/ 2,448
2022	(NA)	9/ 833	4,224	(4/)	(4/)	(6/)	1,700

NA Not available.

1/ Starting in 2000, Maui County reported data in fiscal year ending June 30. In 2001, Maui County reported 674 licenses which included Lanai and Molokai totals.

2/ Fiscal year ending June 30.

3/ Figures are estimates.

4/ Maui figures include licenses for Lanai and Molokai.

5/ Figure includes only issued by Kauai County. As of October 1, 2013, the Kauai Humane Society began issuing dog licenses.

6/ Starting in July 2020, Oahu stopped issuing biannual dog tags and transitioned to microchipping.

7/ In 2021, the responsibility of issuing dog licenses was switched among several different agencies in Hawaii County, so an accurate count of the dog licenses issued for the year is unavailable.

8/ Kauai licensed animals from January 2021 to May 2021 then switched to microchipping in June 2021. Figure includes 726 licenses and 1,722 microchips.

9/ In July 2021, the responsibility of administering dog licenses was transferred to the division of vehicle registration and licensing division. The Hawaii Island Humane society still provides dog licensing and dog microchipping services.

Source: County Departments of Finance; Hawaiian Humane Society (for Oahu, 1995-2003); Maui Humane Society (for Maui from 1999 to present); Kauai Humane Society (for Kauai from 2014 to present). Hawaii County, Department of Finance, Vehicle Registration & Licensing Division.

**Table**

**Number   Table Name**

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

Narrative

<a href="#">08.01</a>	Population of Voting Age, Registered Voters, and Votes Cast in General Elections: 2012 to 2022
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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: 2012 TO 2022**

Subject	2012	2014	2016	2018	2020	2022
Voting age population (1,000) 1/ 2/	1,088	1,107	1,121	1,120	1,111	1,143
Registered voters (1,000)	706	707	750	757	832	861
Percent	64.9	63.8	66.9	67.6	74.9	75.4
Votes cast (1,000)	437	370	438	399	580	419
Percent	61.9	52.3	58.4	52.7	69.6	48.7

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.

Source: U.S. Census Bureau, Population Estimates Program, "Estimates of the Total Resident Population and Resident Population Age 18 Years and Older for the United States, States, District of Columbia, and Puerto Rico: July 1, 2022" (SCPRC-EST2022-18+POP) <<https://www.census.gov/data/tables/time-series/demo/popest/2020s-national-detail.html#v2022>> accessed June 1, 2023; and State of Hawaii, Office of Elections, <<https://elections.hawaii.gov/election-results/>> accessed March 23, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 8.02-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND GENERAL ELECTIONS, BY COUNTY: 2022**

<b>Election, date and county</b>	<b>Total registered voters</b>	<b>Total turnout</b>	<b>Mail turnout</b>	<b>In-person turnout</b>	<b>Percent of registered voters</b>
<b>PRIMARY ELECTION</b> August 13, 2022					
State total	853,874	340,159	330,837	9,322	39.8
Hawaii	129,765	53,369	51,689	1,680	41.1
Maui	113,427	39,731	38,359	1,372	35.0
Honolulu	562,630	228,522	223,040	5,482	40.6
Kauai	48,052	18,537	17,749	788	38.6
<b>GENERAL ELECTION</b> November 8, 2022					
State total	861,358	419,363	402,674	16,689	48.7
Hawaii	131,150	64,718	61,608	3,110	49.3
Maui	114,841	52,543	50,213	2,330	45.8
Honolulu	566,873	277,194	267,387	9,807	48.9
Kauai	48,494	24,908	23,466	1,442	51.4

Source: State of Hawaii, Office of Elections <<https://elections.hawaii.gov/election-results/>> accessed March 28, 2023.

**Table 8.03-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND GENERAL ELECTIONS: 1996 TO 2022**

Type and date of election	Registered voters 1/			Votes cast	
	Total	Male	Female	Number	Percent of registered voters
<b>PRIMARY ELECTIONS</b>					
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
2020: Aug. 8	795,248	(NA)	(NA)	407,190	51.2
2022: Aug. 13	853,874	(NA)	(NA)	340,159	39.8
<b>GENERAL ELECTIONS</b>					
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
2020: Nov. 3	832,466	(NA)	(NA)	579,784	69.6
2022: Nov. 8	861,358	(NA)	(NA)	419,363	48.7

NA Not available.

1/ 2018 and later, sex data were not collected.

Source: State of Hawaii, Office of Elections, records and <<https://elections.hawaii.gov/election-results/>> accessed March 28, 2023.

**Table 8.04-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES:  
PRIMARY ELECTION, AUGUST 13, 2022**

Office, party, and candidate	Votes 1/	Office, party, and candidate	Votes 1/
U.S. SENATOR		U.S. HOUSE, DISTRICT 2 (Con.)	
Green		Libertarian	
Pohlman, Emma Jane A.	1,245	Tippens, Michelle Rose	343
Aloha Aina		Democrat	
Decker, Dan	987	Tokuda, Jill N.	62,275
Republican		Branco, Patrick Pihana	27,057
McDermott, Bob	25,686	Yoshida, Kyle T.	6,624
Dalhouse, Timothy A.	17,158	Schultz, Brendan	6,115
Christian, Wallyn Kanoelani	9,497	Gi, Nicole	3,937
Bond, Steven R.	6,407	Sparks, Steven B.	2,137
Lavonne, Asia	6,187	GOVERNOR	
Libertarian		Nonpartisan	
Bonoan, Feena M.	515	Taylor, Keleionalani	755
Democrat		Nazara, Caleb K.	464
Schatz, Brian	228,595	Republican	
Tataii, Steve	15,725	Aiona, Duke	37,608
U.S. HOUSE, DISTRICT 1		Penn, BJ	19,817
Nonpartisan		Cordery, Gary	8,258
Griffin, Calvin C. (G)	270	Tsuneyoshi, Heidi Haunani	7,255
Abkin, Steven L.	234	Mariano, Lynn Barry	903
Republican		Morgan, Paul	796
Kress, Conrad	13,449	Kahau, Keline	469
Reyes, Arturo P.	7,465	Woods, Walter	438
Largey, Patrick C.	5,785	Paskowitz, Moses (Momo)	189
Democrat		Hawat, George (Big Al)	140
Case, Ed	100,667	Democrat	
Alcubilla, Sergio (Serg)	20,364	Green, Josh	158,161
U.S. HOUSE, DISTRICT 2		Cayetano, Vicky	52,447
Republican		Kahele, Kai	37,738
Akana, Joe	28,200	Tanabe, Van K.	1,236
Webster, Joseph E. (Joe)	5,403	Kim, Richard	991
		Bourgoin, David L. (Duke)	590
		Lewman, Clyde McClain (Mac)	249

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**Table 8.04-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES:  
PRIMARY ELECTION, AUGUST 13, 2022 -- Con.**

Office, party, and candidate	Votes 1/	Office, party, and candidate	Votes 1/
LIEUTENANT GOVERNOR		MAYOR, COUNTY OF MAUI	
Nonpartisan		Bissen, Richard (Rick)	13,498
Keoho, Charles (Kale)	1,030	Victorino, Mike	11,794
Republican		King, Kelly Takaya	6,389
Tupai, Seaula, Jr.	34,798	Brown, Kim	2,870
Burns, Rob	23,121	Molina, Mike	2,079
Kim, Tae	7,911	Bell, Cullan H.M.M.	1,794
Democrat		Kay, Alana	245
Luke, Sylvia	87,797	Lion, Jonah M.	97
Anderson, Ikaika	67,462	MAYOR, COUNTY OF KAUAI	
Amemiya, Keith	57,199	Kawakami, Derek S.K.	13,574
Menor-McNamara, Sherry	25,349	Poai, Michael Roven	2,099
Puleyasi, Sam	2,328	Denis, Megeso-William	780
Cunningham, Daniel	2,215	McPeek, Mitch	728

1/ Excludes blank and overvotes.

Source: State of Hawaii, Office of Elections <<https://elections.hawaii.gov/election-results/>> accessed March 28, 2023.

**Table 8.05-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTIONS:  
1988 TO 2022**

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
2020 2/	407,190	306,619	79,317	12,782	7,948	524
2022	340,159	245,488	73,903	3,948	2,440	14,380

1/ Includes special and overseas votes.

2/ Beginning with the 2020 Elections, Hawaii votes by mail. Turnout includes ballots received by mail and cast in-person at a voter service center.

Source: State of Hawaii, Office of Elections, records and <<https://elections.hawaii.gov/election-results/>> accessed March 28, 2023 and calculations by Department of Business, Economic Development & Tourism.

**Table 8.06-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTION,  
BY COUNTY: AUGUST 13, 2022**

<b>Party</b>	<b>State total</b>	<b>County of Hawaii</b>	<b>County of Maui</b>	<b>City and County of Honolulu</b>	<b>County of Kauai</b>
Total votes cast 1/	340,159	53,369	39,731	228,522	18,537
Libertarian	736	178	117	390	51
Green	1,719	243	226	1,159	91
Democratic	245,488	38,726	28,970	164,624	13,168
Nonpartisan	2,440	428	518	1,292	202
Constitution	206	32	27	131	16
Republican	73,903	11,298	8,146	50,555	3,904
Aloha Aina	1,287	253	273	615	146
Invalid, blank, multiparty	14,380	2,211	1,454	9,756	959

1/ Exclude special and overseas votes. Beginning with the 2020 Elections, Hawaii votes by mail. Turnout includes ballots received by mail and cast in-person at a voter service center.

Source: State of Hawaii, Office of Elections, records and <<http://hawaii.gov/elections/results>> accessed March 28, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 8.07-- NUMBER OF PRECINCTS, REGISTERED VOTERS, AND VOTES CAST IN GENERAL ELECTION, BY ISLAND: NOVEMBER 8, 2022**

<b>Island</b>	<b>Number of precincts</b>	<b>Registered voters</b>	<b>Votes cast 1/</b>	<b>Percent voting</b>
State total	248	861,358	419,363	48.7
Hawaii	42	131,150	64,718	49.3
Maui	30	107,815	49,213	45.6
Lanai	1	2,144	834	38.9
Molokai: Molokai District	4	4,851	2,480	51.1
Kalawao District (Kalaupapa)	1	31	16	51.6
Oahu 2/	154	566,873	277,194	48.9
Kauai	15	48,433	24,876	51.4
Niihau	1	61	32	52.5

1/ Beginning with the 2020 Elections, Hawaii votes by mail. Turnout includes ballots received by mail and cast in-person at a voter service center.

2/ Includes the Northwestern Hawaiian Islands as part of the 51st Representative District.

Source: State of Hawaii, Office of Elections, records and see <<http://hawaii.gov/elections/results>>.



**Table 8.08-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS, 2000 TO 2022**

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
<b>PRESIDENT</b>						
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
2020	574,469	Biden, J.	366,130	Trump, D.	196,864	11,475
<b>U.S. SENATOR</b>						
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. 2/	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	-
2022	408,517	Schatz, B.	290,894	McDermott, B.	106,358	11,265
<b>U.S. REPRESENTATIVE, DISTRICT 1</b>						
2000	157,194	Abercrombie, N.	108,517	Meyers, P.	44,989	3,688
2002	180,733	Abercrombie, N.	131,673	Terry, M.	45,032	4,028
2004	204,181	Abercrombie, N.	128,567	Tanonaka, D.	69,371	6,243
2006	162,794	Abercrombie, N.	112,904	Hough, R.	49,890	-
2008	199,917	Abercrombie, N.	154,208	Tataii, S.	38,115	7,594
2010	176,863	Hanubusa, C.	94,140	Djou, C.	82,723	-

Continued on next page.

**Table 8.08-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS, 2000 TO 2022 -- Con.**

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
<b>U.S. REPRESENTATIVE, DISTRICT 1 (Con.)</b>						
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	Hanubusa, C. 3/	145,417	Ostrov, S.	45,958	10,982
2018	184,211	Case, E.	134,650	Cavasso, C.	42,498	7,063
2020	254,433	Case, E.	183,245	Curtis, R.	71,188	-
2022	194,763	Case, E.	143,546	Kress, C.	51,217	-
<b>U.S. REPRESENTATIVE, DISTRICT 2</b>						
2000	183,230	Mink, P.	112,856	Francis, R.	65,906	4,468
2002	179,251	Mink, P. 4/	100,671	McDermott, B.	71,661	6,919
2004	212,389	Case, E.	133,317	Gabbard, M.	79,072	-
2006	175,150	Hirono, M.	106,906	Hogue, B.	68,244	-
2008	217,914	Hirono, M.	165,748	Evans, R.	44,425	7,741
2010	183,258	Hirono, M.	132,290	Willoughby, J.	46,404	4,564
2012	209,210	Gabbard, T.	168,503	Crowley, K.	40,707	-
2014	180,333	Gabbard, T.	142,010	Crowley, K.	33,630	4,693
2016	210,516	Gabbard, T.	170,848	Kaaihue A.	39,668	-
2018	198,121	Gabbard, T.	153,271	Evans, B.	44,850	-
2020	272,102	Kahele, K.	171,517	Akana, J.	84,027	16,558
2022	206,411	Tokuda, J.	128,407	Akana, J.	72,874	5,130
<b>GOVERNOR</b>						
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
2022	413,262	Green, J.	261,025	Aiona, D.	152,237	-

Continued on next page.

**Table 8.08-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS,  
2000 TO 2022 -- Con.**

1/ Excludes over votes and blank votes.

2/ Due to D. Inouye's death on December 17, 2012, a special election was held August 9, 2014 to fill his existing term. B. Schatz won with 246,827 votes.

3/ 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.

4/ Due to P. Mink's death on September 28, 2002, a special election was held on November 30, 2002 to fill her existing term. 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.

Source: State of Hawaii, Office of Elections, records and <<http://elections.hawaii.gov/election-results/>> accessed March 28, 2023; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 8.09-- VOTES CAST FOR THE OFFICE OF MAYOR BY COUNTY:  
GENERAL ELECTIONS, 1994 TO 2022**

County and election year	Total votes cast 1/	Top candidates				Other candidates: votes
		Winner		Runner-up		
		Candidate 2/	Votes	Candidate 2/	Votes	
<b>HONOLULU</b>						
1994 3/						
1996 4/	254,780	Harris, J.	146,034	Morgado, A.	108,746	-
2000 5/						
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	-
2020 4/	374,209	Blangiardi, R.	224,474	Amemiya, K.	149,735	-
<b>HAWAII</b>						
1996	48,974	Yamashiro, S.(D)	19,807	Bonk, K. (G)	16,659	12,508
2000	50,282	Kim, H. (R)	25,289	Holschuh, F.(D)	14,989	10,004
2004 7/						
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/						
2020 4/	86,354	Roth, M.	50,421	Marzo, I.	35,933	-
<b>MAUI</b>						
1994	35,373	Lingle, L. (R)	18,188	Hokama, G.(D)	15,304	1,881
1998	42,451	Apana, J. (D)	22,350	Arakawa, A.(R)	20,101	-
2002	40,671	Arakawa, A. (R)	20,887	Apana, J. (D)	19,784	-
2006	38,179	Tavares, C.	19,964	Arakawa, A.(R)	18,215	-
2010 4/	41,139	Arakawa, A.	24,195	Tavares, C.	16,944	-
2014 4/	43,597	Arakawa, A.	25,435	Paltin, T.	18,162	-
2018 4/	49,302	Victorino, M.	27,112	Cochran, E.	22,190	-
2022 4/	51,105	Bissen, R.	31,381	Victorino, M.	19,724	-

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**Table 8.09-- VOTES CAST FOR THE OFFICE OF MAYOR BY COUNTY:  
GENERAL ELECTIONS, 1994 TO 2022 -- Con.**

County and election year	Total votes cast 1/	Top candidates				Other candidates: votes
		Winner		Runner-up		
		Candidate 2/	Votes	Candidate 2/	Votes	
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	-
2022 4/	23,516	Kawakami, D.	18,249	Poai, M. R.	5,267	-

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 <<https://elections.hawaii.gov/election-results/>> accessed March 28, 2023 and calculations by Department of Business, Economic Development & Tourism.

**Table 8.10-- VOTES CAST FOR MAJOR OFFICES, BY COUNTY:  
GENERAL ELECTION, NOVEMBER 8, 2022**

[Excludes blank and overvotes]

Office, candidate and party 1/	County of Hawaii	County of Maui	City and County of Honolulu	County of Kauai
<b>U.S. SENATOR</b>				
Schatz, Brian (D)	46,096	37,646	190,178	16,974
McDermott, Bob (R)	15,156	11,226	74,265	5,711
Bonoan, Feena M. (L)	798	815	2,991	311
Pohlman, Emma Jane A. (G)	792	704	2,334	312
Decker, Dan (A)	392	452	1,223	141
<b>U.S. HOUSE, DISTRICT 1</b>				
Case, Ed (D)	(X)	(X)	143,546	(X)
Kress, Conrad (R)	(X)	(X)	51,217	(X)
<b>U.S. HOUSE, DISTRICT 2</b>				
Tokuda, Jill N. (D)	40,305	31,106	42,449	14,547
Akana, Joe (R)	19,981	16,917	28,427	7,549
Tippens, Michelle Rose (L)	1,758	1,414	1,496	462
<b>GOVERNOR</b>				
Green, Josh (D)	42,152	34,002	170,575	14,296
Aiona, Duke (R)	21,870	17,677	102,968	9,722

X Not applicable.

1/ A, Aloha Aina; D, Democrat; G, Green; L, Libertarian and R, Republican.

Source: State of Hawaii, Office of Elections, records and <<http://hawaii.gov/elections/results>>  
accessed March 28, 2023.

**Table 8.11-- NEIGHBORHOOD BOARD ELECTIONS, FOR OAHU:  
1989 TO 2021**

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
2021	33	437	281,245	26,479

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, 2019 and 2021 ballots were cast online or by mail. Passcodes were mailed out to eligible voters.

Source: City and County of Honolulu, Neighborhood Commission, records.

**Table 8.12-- PARTY MEMBERSHIP OF THE STATE LEGISLATURE:  
1987 TO 2023**

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	-
2021	51	47	4	-	25	24	1	-
2022	51	47	4	-	25	24	1	-
2023	51	45	6	-	25	23	2	-

Source: Hawaii State Office of Elections, records; Hawaii State Legislature, <<https://www.capitol.hawaii.gov/legislature/legislators.aspx?chamber=H>> and <<https://www.capitol.hawaii.gov/legislature/legislators.aspx?chamber=S>> accessed June 2, 2023.



**Table 8.13-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2023**

Year	Regular sessions		Special sessions	
	Date convened	Length 1/	Date convened	Length 1/
1992	January 15	2/ 107	None	-
1993	January 20	104	August 23	22
1994	January 19	104	None	-
1995	January 18	104	3/ June 5	4/ 7
1996	January 17	104	None	-
1997	January 15	5/ 107	None	-
1998	January 21	6/ 114	None	-
1999	January 20	105	None	-
2000	January 19	105	7/ August 3	8/ 18
2001	January 17	107	9/ June 4	10/ 18
2002	January 16	107	None	-
2003	January 15	107	July 8	1
2004	January 21	107	None	-
2005	January 19	107	July 12	1
2006	January 18	107	None	-
2007	January 17	107	11/ Jul 10	12/ 11
2008	January 16	107	13/ July 8	14/ 5
2009	January 21	15/ 108	16/ July 15	17/ 5
2010	January 20	100	18/ August 5	19/ 4
2011	January 19	107	August 31	2
2012	January 18	107	June 28	2
2013	January 16	107	20/ August 5	21/ 18
2014	January 15	107	October 22	2
2015	January 21	107	November 5	2
2016	January 20	107	22/ June 23	23/ 5
2017	January 18	107	24/ August 28	25/ 9
2018	January 17	107	26/ July 9	27/ 4
2019	January 16	107	28/ September 16	29/ 4
2020	January 15	178	30/ October 5	31/ 4
2021	January 20	100	32/ July 6	33/ 36
2022	January 19	107	34/ June 20	35/ 6
2023	January 18	107	(NA)	(NA)

Continued on next page.

**Table 8.13-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2023 -- 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).

30/ The Second Special Session of 2020 convened on November 18.

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

32/ The Second Special Session of 2021 convened on July 28 and the Third Special Session of 2021 convened on October 28.

33/ Combined length for the First Special Session (3 days), Second Special Session (31 days), and Third Special Session (2 days).

Continued on next page.

**Table 8.13-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2023 -- Con.**

34/ The Second Special Session of 2022 convened on August 22 and the Third Special Session of 2022 convened on October 19.

35/ Combined length for the First Special Session (2 days), Second Special Session (2 days), and Third Special Session (2 days).

Source: Legislative Reference Bureau, records.

**Table 8.14-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2021 AND 2022**

Action	Session							
	2021				2022			
	Regular	1st Special	2nd Special	3rd Special	Regular	1st Special	2nd Special	3rd Special
House bills								
Carried over from previous year	(X)	(X)	(X)	(X)	1,250	(X)	(X)	(X)
Introduced	1,397	-	-	-	1,119	-	-	-
Passed 1/	147	2	-	-	139	-	-	-
Vetoed	17	-	-	-	9	-	-	-
Became law 2/	131	4	-	-	131	-	-	-
Senate bills								
Carried over from previous year	(X)	(X)	(X)	(X)	1,305	(X)	(X)	(X)
Introduced	1,423	-	-	-	1,386	-	-	-
Passed 3/	118	1	-	-	204	-	-	-
Vetoed	10	-	-	-	19	-	-	-
Became law 4/	108	5	-	-	186	-	-	-
House resolutions								
Offered	166	3	-	-	186	-	-	-
Adopted	64	3	-	-	67	-	-	-
House concurrent resolutions								
Offered	192	-	-	-	182	-	-	-
Adopted	41	-	-	-	33	-	-	-

Continued on next page.

**Table 8.14-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2021 AND 2022 -- Con.**

Action	Session							
	2021				2022			
	Regular	1st Special	2nd Special	3rd Special	Regular	1st Special	2nd Special	3rd Special
Senate resolutions								
Offered	224	2	2	1	222	1	1	1
Adopted	119	2	2	1	128	1	1	1
Senate concurrent resolutions								
Offered	263	1	-	-	244	-	-	-
Adopted	42	1	-	-	49	-	-	-

X Not applicable

1/ The 2021 Special Session total includes H.B. 54 HD1 SD1 CD1 AD1 and H.B. 1299 HD1 SD1 CD1 AD1 which were vetoed then amended and passed during Special Session.

2/ The 2021 total includes H.B. 200 HD1 SD1 CD1 which was approved as Act 88 that includes vetoed line items. The 2021 total also includes: H.B. 177 HD1 SD1 CD1, H.B. 485 HD1 SD1 CD1, H.B. 499 HD2 SD2 CD1, and H.B. 566 HD1 SD1 which became law without the Governor's signature. The 2021 Special Session total includes H.B. 53 SD1 CD1 and H.B. 862 HD2 SD2 CD1 which were vetoed then overridden during the Special Session. The 2022 total includes H.B. 1600 HD1 SD2 CD1 which was approved as Act 248 and includes vetoed line items. The 2022 total also includes H.B. 1872 HD1 SD2 CD1, H.B. 1932 HD1 SD2 CD1, H.B. 2020 HD1 SD2 CD1 and H.B. 2288 HD2 SD2 CD1 which became law without the Governor's signature.

3/ The 2021 Special Session total includes S.B. 589 SD2 HD2 CD1 AD1 which was vetoed then amended and passed during Special Session.

4/ The 2021 Special Session total includes: S.B. 263 SD2 HD2 CD1, S.B. 404 HD2 CD1, S.B. 811 HD1 CD1, and S.B. 1387 SD1 HD2 CD1 which were then overridden during the Special Session. The 2022 total includes S.B. 2076 SD2 HD3 CD1 which was approved as Act 231 and includes a vetoed line item. The 2022 total also includes S.B. 2218 SD1 HD1 CD2 and S.B. 2990 SD1 HD1 CD1 which became law without the Governor's signature.

Source: Legislative Reference Bureau, records.

**Table 8.15-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2023**

Action	Session	
	Regular	Special
House bills		
Carried over from previous year	(X)	(NA)
Introduced	1,514	(NA)
Passed	142	(NA)
Vetoed	7	(NA)
Became law 1/	136	(NA)
Senate bills		
Carried over from previous year	(X)	(NA)
Introduced	1,618	(NA)
Passed	132	(NA)
Vetoed	6	(NA)
Became law 2/	127	(NA)
House resolutions		
Offered	225	(NA)
Adopted	129	(NA)
House concurrent resolutions		
Offered	208	(NA)
Adopted	54	(NA)
Senate resolutions		
Offered	223	(NA)
Adopted	104	(NA)
Senate concurrent resolutions		
Offered	229	(NA)
Adopted	47	(NA)

X Not applicable.

NA Not available.

1/ The 2023 total includes H.B. 300 HD1 SD1 CD1 which was approved as Act 164 and includes vetoed line items. The 2023 total also includes: H.B. 161 HD1 SD1 CD1, H.B. 717 HD1 SD2 CD1, H.B. 923 HD1 SD1 CD1, and H.B. 1359 HD2 SD2 CD1 which became law without the Governor's signature.

2/ The 2023 total includes S.B. 921 which was vetoed then overridden. The 2023 total also includes S.B. 45 SD1 HD2 which became law without the Governor's signature.

Source: Legislative Reference Bureau, records.

**Table**  
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[Narrative](#)

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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:  
2000 TO 2022**

[In thousands of dollars. For fiscal year ending September 30 for federal, June 30 for others. 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]

Year	All levels	Federal	State and counties		
			Total	State	Counties
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	13,206,833	8,394,777	4,812,056	3,849,135	962,921
2005	12,204,228	6,680,481	5,523,747	4,434,356	1,089,391
2006	13,321,730	7,122,326	6,199,404	4,918,655	1,280,749
2007	14,227,076	7,666,494	6,560,582	5,090,499	1,470,083
2008	15,244,258	8,489,937	6,754,321	5,147,569	1,606,752
2009	13,316,025	6,747,592	6,568,433	4,712,651	1,855,782
2010	13,037,803	6,280,828	6,756,975	4,837,862	1,919,113
2011	12,879,583	6,127,725	6,751,858	4,857,729	1,894,129
2012	13,959,224	6,511,578	7,447,646	5,516,146	1,931,500
2013	15,183,048	7,139,728	8,043,320	6,092,893	1,950,427
2014	15,845,254	7,722,840	8,122,414	6,052,795	2,069,619
2015	16,930,818	8,221,290	8,709,528	6,485,563	2,223,965
2016	18,051,299	8,811,882	9,239,417	6,919,035	2,320,382
2017	18,872,500	9,415,214	9,457,286	7,029,026	2,428,260
2018	1/ 19,955,093	9,591,724	1/ 10,363,369	7,714,451	1/ 2,648,918
2019	1/ 20,325,793	9,246,293	1/ 11,079,500	8,207,524	1/ 2,871,976
2020	1/ 19,703,751	8,818,255	1/ 10,885,496	7,707,502	1/ 3,177,994
2021	20,718,811	9,494,260	11,224,551	8,046,691	3,177,860
2022	(NA)	11,583,752	(NA)	10,279,504	(NA)

NA Not available.

1/ Revised from previous *Data Book*.

Source: Tax Foundation of Hawaii, *Government in Hawaii* (annual) and unpublished compilations of Hawaii State Department of Accounting and General Services, Annual Report of the Comptroller (annual) and of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports); and U.S. Department of the Treasury, Internal Revenue Service, *Internal Revenue Service Data Book* (annual, beginning 2000); and for 2001 to 2021

<<http://www.irs.gov/uac/SOI-Tax-Stats-IRS-Data-Book>> accessed June 2, 2023; U.S. Census Bureau, "State & Local Summary Tables by Level of Government - Hawaii" (annual from 2004)

<<https://www.census.gov/topics/public-sector/government-finances/data/tables.html>> accessed June 29, 2023;

*Ibid.* "Annual Survey of State Government Tax Collections" (annual) <<https://www.census.gov/programs-surveys/stc/data/tables.html>> accessed June 22, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.02-- FEDERAL TAX COLLECTIONS, BY SOURCE: 2018 TO 2022**

[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	2018	2019	2020	2021	2022
Federal collections	9,591,724	9,246,293	8,818,255	9,494,260	11,583,752
Business income 1/	683,176	539,647	540,505	601,545	629,434
Individual income and employment	8,564,619	8,416,640	8,056,673	8,729,103	10,711,065
Income tax payments & SECA 2/	2,292,908	2,161,253	2,096,357	2,563,458	3,890,899
Estate and trust income tax	85,561	82,107	54,082	103,815	143,300
Income tax withheld & FICA 3/	6,167,632	6,155,481	5,889,002	6,046,869	6,659,657
Railroad retirement	-	-	1	-	-
Unemployment insurance	18,519	17,798	17,231	14,960	17,208
Estate	48,381	50,037	19,218	29,286	40,885
Gift	2,011	16	3,975	1,352	750
Excise 4/	293,536	239,953	197,884	132,974	201,619

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.

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) <<https://www.irs.gov/statistics/soi-tax-stats-all-years-irs-data-books>> accessed June 2, 2023.

**Table 9.03-- STATE AND LOCAL GOVERNMENT REVENUES: 1992 TO 2021**

[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	17,454,318	13,426,112	4,308,364
2017	20,396,275	16,403,525	4,521,622
2018	2/ 20,214,743	16,349,640	4,572,402
2019	2/ 20,408,263	2/ 16,232,642	2/ 4,895,671
2020	2/ 21,260,226	16,779,210	2/ 5,243,546
2021	29,960,305	25,160,057	5,640,372

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

2/ Revised from previous *Data Book*.

Source: U.S. Census Bureau, "State and Local Government Finances by Level of Government and by State" (annual) <<https://www.census.gov/data/datasets.html>> accessed June 29, 2023.

**Table 9.04-- STATE GOVERNMENT TAX COLLECTIONS: 2019 TO 2022**

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

Source	2019	2020	2021	2022
Total taxes	8,207,524	7,707,502	8,046,691	10,279,504
Sales and gross receipts	5,062,134	4,923,969	4,147,624	5,647,969
General sales & gross receipts	3,808,718	3,697,191	3,296,268	4,265,799
Selective sales taxes	1,253,416	1,226,778	851,356	1,382,170
Alcoholic beverages	51,913	50,674	45,178	53,981
Insurance premiums	179,690	186,833	191,516	201,859
Motor fuels	87,869	81,611	70,796	81,845
Public utilities	126,691	134,640	125,221	122,068
Tobacco products	111,803	111,920	108,529	91,658
Other selective sales	695,450	661,100	310,116	830,759
Licenses	280,311	274,200	258,953	310,983
Corporation	1,920	1,959	2,203	2,415
Hunting & fishing	723	666	615	878
Motor vehicle	195,972	199,182	177,165	219,306
Motor vehicle operators	303	356	327	369
Public utility	15,696	17,491	17,224	15,153
Occupation & business, NEC	53,574	41,278	49,591	57,933
Other licenses	12,123	13,268	11,828	14,929
Income taxes	2,758,743	2,402,772	3,546,116	4,074,729
Individual income	2,568,259	2,359,093	3,354,690	3,759,856
Corporation net income	190,484	43,679	191,426	314,873
Other taxes	106,336	106,561	93,998	245,823
Death and gift	18,921	45,451	31,275	57,405
Documentary & stock transfer	87,415	61,110	62,723	188,418

Source: U.S. Census Bureau, Table GS00TC01 "Annual Survey of State Government Tax Collections by Detailed Table" (annual) <<https://www.census.gov/programs-surveys/stc/data/tables.html>> accessed April 19, 2023.

**Table 9.05-- STATE GOVERNMENT TAX COLLECTIONS FOR HAWAII  
AND THE UNITED STATES: 2020**

[For fiscal year ending June 30 except for New York (March 31), Texas (August 31), Alabama and Michigan (September 30). Taxes are net of refunds. Amounts in thousands of dollars]

Item	Hawaii	United States
Total taxes	7,707,502	1/ 1,068,784,950
Property taxes	(X)	21,878,780
Sales and gross receipts	4,923,969	1/ 514,786,927
General sales and gross receipts	3,697,191	1/ 342,037,869
Selective sales taxes	1,226,778	1/ 172,749,058
Alcoholic beverages	50,674	1/ 6,839,326
Amusements	(X)	6,962,237
Insurance premiums	186,833	24,627,642
Motor fuels	81,611	1/ 51,160,959
Pari-mutuels	(X)	1/ 126,514
Public utilities	134,640	12,381,787
Tobacco products	111,920	18,559,124
Other selective sales	661,100	1/ 52,091,469
Licenses	274,200	1/ 59,911,259
Alcoholic beverages	(X)	1/ 738,374
Amusements	(X)	1/ 503,033
Corporation	1,959	7,056,624
Hunting and fishing	666	1/ 1,844,108
Motor vehicle	199,182	27,542,834
Motor vehicle operators	356	1/ 2,788,184
Public utility	17,491	1/ 1,208,187
Occupation and business, NEC	41,278	1/ 16,507,450
Other licenses	13,268	1/ 1,722,465
Income taxes	2,402,772	441,059,619
Individual income	2,359,093	387,987,371
Corporation net income	43,679	53,072,248
Other taxes	106,561	1/ 31,148,365
Death and gift	45,451	5,102,727
Documentary and stock transfer	61,110	1/ 11,037,592
Severance	(X)	11,524,724
Taxes, NEC	-	1/ 3,483,322

X Not applicable.

1/ Revised from previous *Data Book*.

Source: U.S. Census Bureau, "2020 Annual Survey of State Government Tax Collections by Detailed Table" (revised) <<https://www.census.gov/programs-surveys/stc/data/tables.html>> accessed April 19, 2023.

**Table 9.06-- STATE GOVERNMENT TAX COLLECTIONS FOR HAWAII  
AND THE UNITED STATES: 2021**

[For fiscal year ending June 30 except for New York (March 31), Texas (August 31), Alabama and Michigan (September 30). Taxes are net of refunds. Amounts in thousands of dollars]

Item	Hawaii	United States
Total taxes	8,046,691	1/ 1,276,463,121
Property taxes	(X)	1/ 23,357,063
Sales and gross receipts	4,147,624	1/ 553,941,713
General sales and gross receipts	3,296,268	1/ 373,991,982
Selective sales taxes	851,356	1/ 179,949,731
Alcoholic beverages	45,178	1/ 7,561,699
Amusements	(X)	1/ 8,622,454
Insurance premiums	191,516	1/ 26,278,080
Motor fuels	70,796	1/ 51,556,889
Pari-mutuels	(X)	1/ 156,831
Public utilities	125,221	1/ 12,180,579
Tobacco products	108,529	1/ 19,145,111
Other selective sales	310,116	1/ 54,448,088
Licenses	258,953	1/ 65,374,980
Alcoholic beverages	(X)	1/ 754,547
Amusements	(X)	1/ 582,689
Corporation	2,203	1/ 9,501,395
Hunting and fishing	615	1/ 1,921,732
Motor vehicle	177,165	1/ 30,402,102
Motor vehicle operators	327	1/ 3,138,534
Public utility	17,224	1/ 1,095,696
Occupation and business, NEC	49,591	1/ 16,081,606
Other licenses	11,828	1/ 1,896,679
Income taxes	3,546,116	1/ 596,421,713
Individual income	3,354,690	1/ 506,243,040
Corporation net income	191,426	90,178,673
Other taxes	93,998	1/ 37,367,652
Death and gift	31,275	6,434,923
Documentary and stock transfer	62,723	1/ 14,632,181
Severance	(X)	1/ 11,804,214
Taxes, NEC	-	1/ 4,496,334

X Not applicable.

1/ Revised from previous *Data Book*.

Source: U.S. Census Bureau, "2021 Annual Survey of State Government Tax Collections by Detailed Table" (revised) <<https://www.census.gov/programs-surveys/stc/data/tables.html>> accessed April 19, 2023.



**Table 9.07-- STATE GOVERNMENT TAX COLLECTIONS FOR HAWAII AND THE UNITED STATES: 2022**

[For fiscal year ending June 30 except for New York (March 31), Texas (August 31), Alabama and Michigan (September 30). Taxes are net of refunds. Amounts in thousands of dollars]

Item	Hawaii	United States
Total taxes	10,279,504	1,461,371,468
Property taxes	(X)	24,494,282
Sales and gross receipts	5,647,969	622,784,630
General sales and gross receipts	4,265,799	429,630,537
Selective sales taxes	1,382,170	193,154,093
Alcoholic beverages	53,981	8,199,278
Amusements	(X)	11,123,029
Insurance premiums	201,859	28,759,802
Motor fuels	81,845	54,678,184
Pari-mutuels	(X)	176,642
Public utilities	122,068	12,555,449
Tobacco products	91,658	18,287,214
Other selective sales	830,759	59,374,495
Licenses	310,983	66,452,540
Alcoholic beverages	(X)	852,792
Amusements	(X)	624,785
Corporation	2,415	10,156,565
Hunting and fishing	878	1,907,931
Motor vehicle	219,306	30,132,376
Motor vehicle operators	369	3,152,531
Public utility	15,153	1,165,394
Occupation and business, NEC	57,933	16,459,253
Other licenses	14,929	2,000,913
Income taxes	4,074,729	690,991,791
Individual income	3,759,856	557,591,961
Corporation net income	314,873	133,399,830
Other taxes	245,823	56,648,225
Death and gift	57,405	6,793,904
Documentary and stock transfer	188,418	20,630,258
Severance	(X)	22,811,895
Taxes, NEC	-	6,412,168

X Not applicable.

Source: U.S. Census Bureau, "2022 Annual Survey of State Government Tax Collections by Detailed Table" <<https://www.census.gov/programs-surveys/stc/data/tables.html>> accessed April 19, 2023.

**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: 2018 TO 2021**

[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
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
2019							
25,000	3,907	15.6	6	2,811	11.2	2,904	11.6
50,000	3,599	7.2	37	4,413	8.8	4,208	8.4
75,000	5,816	7.8	39	7,042	9.4	6,825	9.1
100,000	7,822	7.8	39	9,422	9.4	9,406	9.4
150,000	12,215	8.1	40	14,332	9.6	14,173	9.4
2020							
25,000	3,943	15.8	5	2,733	10.9	2,847	11.4
50,000	3,399	6.8	40	4,427	8.9	4,156	8.3
75,000	5,663	7.6	38	7,068	9.4	6,669	8.9
100,000	7,760	7.8	40	9,564	9.6	9,213	9.2
150,000	11,470	7.6	41	14,156	9.4	14,080	9.4
2021							
25,000	5,199	20.8	4	3,514	14.1	3,509	14.0
50,000	4,045	8.1	33	4,588	9.2	4,370	8.7
75,000	6,717	9.0	31	7,280	9.7	6,959	9.3
100,000	9,011	9.0	32	9,716	9.7	9,490	9.5
150,000	13,269	8.8	34	14,599	9.7	14,205	9.5

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 <<https://ora-cfo.dc.gov/page/tax-burden-studies>> accessed May 17, 2023.

**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
<b>Hawaii</b>	<b>April 23</b>	<b>43</b>	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 2019.

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	April 19	April 22	26
2004	April 14	April 15	20	2017	April 19	April 21	26
2005	April 21	April 21	17	2018	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.

Source: Tax Foundation, "Tax Freedom Day by State, 1970-2009" <<http://www.taxfoundation.org/taxdata/show/22328.html>> accessed March 31, 2009; Special Report No. 177, "April 9th Is Tax Freedom Day", table 2 (March 2010) <<http://www.taxfoundation.org/files/sr177.pdf>> accessed March 31, 2010; Special Report No. 190, table 2 (March 2011) <<http://www.taxfoundation.org/files/sr190.pdf>> accessed March 30, 2011; "Tax Freedom Day Arrives on April 17", Tax Freedom Day By State (April 2, 2012) <<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed June 12, 2012; "Tax Freedom Day 2013 is April 18, Five Days Later Than Last Year" (April 2, 2013) <<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed April 16, 2013; "Tax Freedom Day 2014 is April 21, 3 Days Later than Last Year" (April 7, 2014) <<http://taxfoundation.org/tax-topics/tax-freedom-day>> accessed June 26, 2014; "Tax Freedom Day 2015 is April 24th" <[http://taxfoundation.org/sites/taxfoundation.org/files/docs/TaxFoundation\\_TFD\\_Report.pdf](http://taxfoundation.org/sites/taxfoundation.org/files/docs/TaxFoundation_TFD_Report.pdf)> accessed April 10, 2015; "Tax Freedom Day 2016 Arrives 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
<b>Hawaii</b>	<b>10.2</b>	<b>14</b>	<b>4,576</b>	<b>3,480</b>	<b>1,096</b>	<b>44,920</b>
Idaho	9.3	26	3,318	2,255	1,063	35,496
Illinois	11.0	5	5,235	4,015	1,220	47,656
Indiana	9.5	22	3,585	2,592	993	37,580
Iowa	9.2	31	4,037	2,877	1,161	43,878
Kansas	9.5	23	4,131	2,808	1,323	43,490
Kentucky	9.5	24	3,298	2,410	888	34,782
Louisiana	7.6	45	2,950	1,953	997	38,906
Maine	10.2	13	3,997	2,895	1,102	39,062
Maryland	10.9	7	5,920	4,387	1,533	54,266
Massachusetts	10.3	12	5,872	4,220	1,651	57,180
Michigan	9.4	25	3,631	2,704	926	38,636
Minnesota	10.8	8	5,185	3,980	1,205	47,806
Mississippi	8.6	41	2,742	1,910	832	31,847
Missouri	9.3	29	3,591	2,483	1,108	38,825
Montana	8.7	38	3,389	2,172	1,216	38,980
Nebraska	9.2	30	4,197	2,930	1,267	45,485
Nevada	8.1	43	3,349	2,051	1,298	41,297
New Hampshire	7.9	44	3,961	2,173	1,789	50,288
New Jersey	12.2	3	6,926	4,876	2,050	56,731

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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
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
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: 2023**

[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, 2022, the beginning of Fiscal Year 2023]

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

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**Table 9.13-- STATE BUSINESS TAX CLIMATE INDEX RANK, OVERALL AND BY COMPONENT: 2023 -- Con.**

State	Overall rank	Tax index rank				
		Corporate	Individual Income	Sales	Property	Unemployment Insurance
North Carolina	10	5	17	20	13	10
North Dakota	17	9	27	28	9	7
Ohio	37	39	41	36	6	13
Oklahoma	23	4	31	39	30	1
Oregon	24	49	42	4	20	36
Pennsylvania	33	42	20	16	16	22
Rhode Island	42	40	33	24	41	49
South Carolina	31	6	28	32	35	29
South Dakota	2	1	1	34	14	37
Tennessee	14	45	6	46	33	21
Texas	13	47	7	37	38	12
Utah	8	14	10	22	8	16
Vermont	44	41	39	17	48	17
Virginia	26	17	34	12	29	39
Washington	28	37	8	49	22	25
West Virginia	20	16	29	18	10	26
Wisconsin	27	31	38	7	15	31
Wyoming	1	1	1	6	34	28
Dist. of Columbia 1/	48	29	48	39	49	38

1/ Score and rank do not affect other areas.

Source: Tax Foundation, *2023 State Business Tax Climate Index*, Table 1 (October 25, 2022)

<<https://taxfoundation.org/publications/state-business-tax-climate-index/>> accessed February 1, 2023.

**Table 9.14-- STATE BUSINESS TAX CLIMATE INDEX RANK: 2017 TO 2023, AND SCORE: 2022 AND 2023**

[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. 2017 to 2022 data may differ from previous year due to enactment of retroactive statutes, backcasting of methodological changes or corrections]

Location	2017	2018	2019	2020	2021	2022		2023	
	Index rank	Index rank	Index rank	Index rank	Index rank	Index rank	Total score	Index rank	Total score
Alabama	38	39	41	40	40	39	4.57	41	4.56
Alaska	3	3	3	3	3	3	7.25	3	7.23
Arizona	24	24	23	22	23	24	5.10	19	5.26
Arkansas	42	43	46	44	46	43	4.50	40	4.57
California	48	49	48	48	48	48	3.58	48	3.56
Colorado	21	20	18	20	19	20	5.23	21	5.17
Connecticut	47	47	47	47	47	47	4.10	47	4.08
Delaware	22	22	14	15	16	16	5.33	16	5.32
Florida	4	4	4	4	4	4	6.91	4	6.85
Georgia	31	30	34	31	28	29	5.01	32	4.99
<b>Hawaii</b>	<b>32</b>	<b>33</b>	<b>39</b>	<b>38</b>	<b>38</b>	<b>41</b>	<b>4.53</b>	<b>43</b>	<b>4.51</b>
Idaho	18	18	20	19	20	17	5.28	15	5.33
Illinois	25	29	35	36	36	36	4.77	36	4.78
Indiana	9	9	10	10	9	9	5.64	9	5.63
Iowa	46	46	45	45	42	38	4.67	38	4.66
Kansas	27	28	31	34	33	23	5.14	25	5.13
Kentucky	37	37	19	18	17	18	5.27	18	5.27
Louisiana	45	45	42	43	41	42	4.50	39	4.62
Maine	36	35	28	29	32	34	4.96	35	4.90
Maryland	41	40	40	42	44	46	4.25	46	4.28
Massachusetts	28	25	30	35	35	35	4.93	34	4.95
Michigan	13	13	13	12	13	12	5.58	12	5.57
Minnesota	44	44	44	46	45	45	4.37	45	4.35
Mississippi	29	27	27	28	30	31	5.00	30	5.00
Missouri	15	15	15	14	11	11	5.60	11	5.59
Montana	6	6	5	5	5	5	6.07	5	6.08
Nebraska	30	34	25	27	29	30	5.00	29	5.02
Nevada	5	5	6	7	7	6	5.94	7	5.93
New Hampshire	7	7	7	6	6	7	5.93	6	5.96
New Jersey	49	50	50	50	50	50	3.36	50	3.37
New Mexico	26	26	24	24	21	27	5.07	22	5.16
New York	50	48	49	49	49	49	3.50	49	3.45
North Carolina	11	10	11	11	10	10	5.61	10	5.60
North Dakota	17	17	16	17	18	19	5.26	17	5.29

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**Table 9.14-- STATE BUSINESS TAX CLIMATE INDEX RANK: 2017 TO 2023, AND SCORE: 2022 AND 2023 -- Con.**

Location	2017	2018	2019	2020	2021	2022		2023	
	Index rank	Index rank	Index rank	Index rank	Index rank	Index rank	Total score	Index rank	Total score
Ohio	39	41	37	37	37	37	4.72	37	4.72
Oklahoma	20	21	26	26	25	28	5.06	23	5.15
Oregon	10	11	9	8	15	22	5.15	24	5.14
Pennsylvania	33	36	36	33	34	32	5.00	33	4.99
Rhode Island	40	38	38	39	39	40	4.54	42	4.54
South Carolina	34	32	32	32	31	33	4.97	31	5.00
South Dakota	2	2	2	2	2	2	7.48	2	7.49
Tennessee	23	23	29	30	26	14	5.45	14	5.44
Texas	12	12	12	13	12	13	5.55	13	5.51
Utah	8	8	8	9	8	8	5.64	8	5.64
Vermont	43	42	43	41	43	44	4.47	44	4.44
Virginia	19	19	21	23	24	25	5.09	26	5.07
Washington	14	14	17	16	14	15	5.38	28	5.03
West Virginia	16	16	22	21	22	21	5.18	20	5.21
Wisconsin	35	31	33	25	27	26	5.07	27	5.07
Wyoming	1	1	1	1	1	1	7.77	1	7.76
Dist. of Col. 1/	48	48	47	47	48	48	3.86	48	3.75

1/ Score and rank do not affect other areas.

Source: Tax Foundation, *2023 State Business Tax Climate Index*, Table 2 (October 25, 2022)

<<https://taxfoundation.org/publications/state-business-tax-climate-index/>> accessed February 1, 2023.

**Table 9.15-- ESTIMATED TAX BURDEN FOR THE FOUR-PERSON ALOHA FAMILY ON OAHU: 1970, 1988, 1999 AND 2006**

[In dollars and percent. For 1970 and 1988, based on a gross family income equivalent to four times the per capita personal income estimated for Hawaii. For 1999, salary income is estimated at \$81,000 for Alfie (a full- and a part-time jobs) and Anita (a full-time job) plus \$1,840 other family income from rental of a condominium unit, dividends from stocks, and interest on bank certificates of deposit. For 2006, salary income is estimated at \$100,100 for Alfie and Anita, net rental income of -\$3,720, and \$4,220 interest income and dividends. Other assumptions are the same as in 1999. For other underlying assumptions, see sources]

Subject	1970 (dollars)	1988 (dollars)	1999 (dollars)	2006 (dollars)	2006 as percent of total	
					Tax burden	Gross family income
Total tax burden	5,559	25,610	31,107	42,788	100.0	38.7
Federal income	2,130	8,096	6,623	6,934	16.2	6.3
State income	693	3,693	3,477	4,560	10.7	4.1
Social security 1/	1,247	7,758	12,394	16,845	39.4	15.2
General excise	304	1,207	3,580	6,041	14.1	5.5
Real property	366	1,006	1,099	1,650	3.9	1.5
Employment 2/	527	3,301	3,112	5,710	13.3	5.2
Specific excise 3/	67	161	200	280	0.7	0.3
Automobile	225	388	622	768	1.8	0.7
Direct tax bill	4,342	18,432	19,288	26,360	61.6	23.8
Indirect tax bill	1,217	7,178	11,819	16,429	38.4	14.9
Gross family income	16,408	62,716	82,840	110,600	(X)	100.0
After taxes	10,898	37,106	51,733	67,812	(X)	61.3

X Not applicable.

1/ The sum of the amount the Alohas paid for retirement benefits and Medicare and the equal amount paid by their employers on their behalf.

2/ Unemployment compensation, temporary disability insurance, and workers' compensation.

3/ Alcohol, tobacco, telephone and cell.

Source: Hawaii State Department of Business, Economic Development & Tourism, records; and Tax Foundation of Hawaii, "The Tax Burden of the Arnie Aloha Family" (November 1989) and "The Tax Burden of the Aloha Family" (June 2001).

**Table 9.16-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2018**

[In thousands of dollars. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately]

Category	State & local	State	Local
Revenue 1/	2/ 20,214,743	16,349,640	4,572,402
General revenue 1/	2/ 17,709,267	14,277,135	4,139,431
Intergovernmental revenue 1/	3,210,729	3,369,965	2/ 548,063
General revenue from own sources	2/ 14,498,538	10,907,170	2/ 3,591,368
Taxes	2/ 10,363,369	7,714,451	2/ 2,648,918
Property	1,928,566	-	1,928,566
Sales and gross receipts	2/ 5,183,519	4,732,032	2/ 451,487
Individual income	2,430,032	2,430,032	-
Corporate income	146,831	146,831	-
Motor vehicle license	407,787	191,757	216,030
Other taxes	266,634	213,799	52,835
Charges & misc. general revenue	4,135,169	3,192,719	942,450
Current charges 3/	2,527,188	1,737,965	789,223
Education	429,212	429,212	-
Hospitals	452,557	452,557	-
Air transportation (airports)	483,411	483,411	-
Sewerage	521,271	-	521,271
Miscellaneous general revenue	1,607,981	1,454,754	153,227
Utility revenue	432,971	-	432,971
Insurance trust revenue	2,072,505	2,072,505	-
Unemployment compensation	187,428	187,428	-
Employee retirement	1,885,077	1,885,077	-
Expenditure 1/	17,777,830	13,728,252	4,404,935
Intergovernmental expenditure 1/	382	355,739	-
Direct expenditure by function	17,777,448	13,372,513	4,404,935
Direct general expenditure	15,007,362	11,786,552	3,220,810
Capital outlay	1,978,704	1,358,610	620,094
Other direct general expenditure	13,028,658	10,427,942	2,600,716

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**Table 9.16-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2018 -- Con.**

Category	State & local	State	Local
Education services 4/	3,696,335	3,696,335	-
Education	3,658,214	3,658,214	-
Libraries	38,121	38,121	-
Social services & income maint. 4/	4,113,144	4,005,282	107,862
Public welfare	2,983,737	2,906,234	77,503
Hospitals	552,966	552,966	-
Health	569,558	539,199	30,359
Employment security administration	6,883	6,883	-
Veterans' services	-	-	-
Transportation 4/	1,566,453	1,267,596	298,857
Highways	760,819	462,427	298,392
Air transportation (airports)	678,573	678,573	-
Public safety 4/	1,043,313	331,260	712,053
Police protection	487,077	44,823	442,254
Fire protection	256,643	-	256,643
Correction	228,042	228,042	-
Protective inspection and regulation	71,551	58,395	13,156
Environment and housing 4/	1,504,805	387,568	1,117,237
Natural resources	156,749	151,896	4,853
Parks and recreation	315,937	71,433	244,504
Housing and community development	315,227	164,224	151,003
Sewerage	431,652	15	431,637
Solid waste management	285,240	-	285,240
Governmental administration	910,170	600,829	309,341
Interest on general debt	335,022	100,248	234,774
Gen. expend., not elsewhere classified	1,838,120	1,397,434	440,686
Utility expenditure 4/	1,184,125	-	1,184,125
Water supply	406,752	-	406,752
Transit	777,373	-	777,373
Insurance trust expenditure	1,585,961	1,585,961	-
Unemployment compensation	169,438	169,438	-
Employee retirement	1,416,523	1,416,523	-

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**Table 9.16-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2018 -- Con.**

Category	State & local	State	Local
Debt outstanding	17,139,063	9,971,130	7,167,933
Short-term	100,000	-	100,000
Long-term	17,039,063	9,971,130	7,067,933
Public debt for private purposes	335,496	335,496	-
Long-term debt issued	3,173,316	1,583,043	1,590,273
Long-term debt retired	2,663,007	1,877,534	785,473
Cash and security holdings	33,032,786	28,633,312	4,399,474
Insurance trust funds	17,733,054	17,733,054	-
Unemployment compensation	1,064,924	1,064,924	-
Employee retirement	16,668,130	16,668,130	-
Other than insurance trust funds	15,299,732	10,900,258	4,399,474
Offsets to debt	1,259,906	866,095	393,811
Bond funds	702,569	360,794	341,775
Other	13,337,257	9,673,369	3,663,888

1/ Duplicative intergovernmental transactions are excluded.

2/ Revised from previous *Data Book*.

3/ Charges include highways, parking facilities, sea and inland port facilities, natural resources, parks and recreation, housing and community development, solid waste management, and other charges.

4/ Includes capital outlay.

Source: U.S. Census Bureau, "Table 1. State and Local Government Finances by Level of Government and by State: 2018 revised" (June 26, 2023) <<https://www.census.gov/content/census/en/data/datasets/2018/econ/local/public-use-datasets.html>> accessed June 26, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2019**

[In thousands of dollars. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately]

Category	State & local	State	Local
Revenue 1/ 2/	20,408,263	16,232,642	4,895,671
General revenue 1/ 2/	18,531,534	14,787,587	4,463,997
Intergovernmental revenue 1/	3,084,439	3,281,378	523,111
General revenue from own sources	2/ 15,447,095	11,506,209	2/ 3,940,886
Taxes	2/ 11,079,500	8,207,524	2/ 2,871,976
Property	2,060,154	-	2,060,154
Sales and gross receipts	2/ 5,572,737	5,062,134	2/ 510,603
Individual income	2,568,259	2,568,259	-
Corporate income	190,484	190,484	-
Motor vehicle license	2/ 439,966	195,972	2/ 243,994
Other taxes	247,900	190,675	57,225
Charges & misc. general revenue	4,367,595	3,298,685	1,068,910
Current charges 3/	2,599,457	1,790,173	809,284
Education	430,102	430,102	-
Hospitals	453,706	453,706	-
Air transportation (airports)	494,835	494,835	-
Sewerage	530,350	-	530,350
Miscellaneous general revenue	1,768,138	1,508,512	259,626
Utility revenue	431,674	-	431,674
Insurance trust revenue	1,445,055	1,445,055	-
Unemployment compensation	198,764	198,764	-
Employee retirement	1,246,291	1,246,291	-
Expenditure 1/ 2/	18,705,189	14,296,809	4,736,575
Intergovernmental expenditure 1/	402	328,597	-
Direct expenditure by function 2/	18,704,787	13,968,212	4,736,575
Direct general expenditure 2/	15,801,837	12,322,516	3,479,321
Capital outlay	2,289,044	1,598,849	690,195
Other direct general expenditure 2/	13,512,793	10,723,667	2,789,126

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**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2019 -- Con.**

Category	State & local	State	Local
Education services 4/	4,010,348	4,010,348	-
Education	3,973,774	3,973,774	-
Libraries	36,574	36,574	-
Social services & income maint. 4/	4,126,557	4,009,939	116,618
Public welfare	2,953,650	2,868,969	84,681
Hospitals	531,509	531,509	-
Health	633,872	601,935	31,937
Employment security administration	7,526	7,526	-
Veterans' services	-	-	-
Transportation 4/	2/ 1,681,795	2/ 1,412,847	268,948
Highways	820,827	552,129	268,698
Air transportation (airports)	2/ 747,912	2/ 747,912	-
Public safety 4/	1,090,895	351,077	739,818
Police protection	506,957	47,780	459,177
Fire protection	268,782	-	268,782
Correction	241,512	241,512	-
Protective inspection and regulation	73,644	61,785	11,859
Environment and housing 4/	1,515,150	376,170	1,138,980
Natural resources	147,594	140,701	6,893
Parks and recreation	306,186	61,422	244,764
Housing and community development	327,178	174,025	153,153
Sewerage	444,408	22	444,386
Solid waste management	289,784	-	289,784
Governmental administration	974,517	580,591	393,926
Interest on general debt	2/ 380,565	106,596	2/ 273,969
Gen. expend., not elsewhere classified	2,022,010	1,474,948	547,062
Utility expenditure 4/	1,257,254	-	1,257,254
Water supply	401,661	-	401,661
Transit	855,593	-	855,593
Insurance trust expenditure	1,645,696	1,645,696	-
Unemployment compensation	159,558	159,558	-
Employee retirement	1,486,138	1,486,138	-

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**Table 9.17-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2019 -- Con.**

Category	State & local	State	Local
Debt outstanding	17,426,529	10,001,827	7,424,702
Short-term	-	-	-
Long-term	17,426,529	10,001,827	7,424,702
Public debt for private purposes	56,414	56,414	-
Long-term debt issued	1,464,354	565,776	898,578
Long-term debt retired	1,625,887	1,084,078	541,809
Cash and security holdings	35,423,350	30,751,138	4,672,212
Insurance trust funds	18,628,215	18,628,215	-
Unemployment compensation	1,151,108	1,151,108	-
Employee retirement	17,477,107	17,477,107	-
Other than insurance trust funds	16,795,135	12,122,923	4,672,212
Offsets to debt	1,018,981	606,875	412,106
Bond funds	890,042	473,681	416,361
Other	14,886,112	11,042,367	3,843,745

1/ Duplicative intergovernmental transactions are excluded.

2/ Revised from previous *Data Book*.

3/ Charges include highways, parking facilities, sea and inland port facilities, natural resources, parks and recreation, housing and community development, solid waste management, and other charges.

4/ Includes capital outlay.

Source: U.S. Census Bureau, "Table 1. State and Local Government Finances by Level of Government and by State: 2019 revised" (June 26, 2023) <<https://www.census.gov/content/census/en/data/datasets/2019/econ/local/public-use-datasets.html>> accessed June 29, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.18-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2020**

[In thousands of dollars. For fiscal year ending June 30. Detail may not sum to subtotals due to rounding and categories not shown separately]

Category	State & local	State	Local
Revenue 1/	2/ 21,260,226	16,779,210	2/ 5,243,546
General revenue 1/	2/ 19,549,749	15,498,108	2/ 4,814,171
Intergovernmental revenue 1/	2/ 4,057,710	4,205,193	2/ 615,047
General revenue from own sources	2/ 15,492,039	11,292,915	2/ 4,199,124
Taxes	2/ 10,885,496	7,707,502	2/ 3,177,994
Property	2,259,025	-	2,259,025
Sales and gross receipts	2/ 5,541,226	4,923,969	2/ 617,257
Individual income	2,359,093	2,359,093	-
Corporate income	43,679	43,679	-
Motor vehicle license	2/ 443,484	199,182	2/ 244,302
Other taxes	2/ 238,989	181,579	2/ 57,410
Charges & misc. general revenue	2/ 4,606,543	3,585,413	2/ 1,021,130
Current charges 3/	2/ 2,487,483	1,680,940	2/ 806,543
Education	408,750	408,750	-
Hospitals	466,028	466,028	-
Air transportation (airports)	417,725	417,725	-
Sewerage	537,272	-	537,272
Miscellaneous general revenue	2/ 2,119,060	1,904,473	2/ 214,587
Utility revenue	429,375	-	429,375
Insurance trust revenue	1,281,102	1,281,102	-
Unemployment compensation	211,267	211,267	-
Employee retirement	1,069,835	1,069,835	-
Expenditure 1/ 2/	19,819,584	15,128,515	5,014,141
Intergovernmental expenditure 1/	402	323,474	-
Direct expenditure by function	2/ 19,819,182	2/ 14,805,041	2/ 5,014,141
Direct general expenditure	2/ 16,006,635	2/ 12,345,920	2/ 3,660,715
Capital outlay	2/ 1,958,083	1,174,815	2/ 783,268
Other direct general expenditure	2/ 14,048,552	2/ 11,171,105	2/ 2,877,447

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**Table 9.18-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2020 -- Con.**

Category	State & local	State	Local
Education services 4/	3,755,916	3,755,916	-
Education	3,718,284	3,718,284	-
Libraries	37,632	37,632	-
Social services & income maint. 4/	2/ 4,385,746	2/ 4,263,973	121,773
Public welfare	2/ 3,066,381	2/ 2,985,326	81,055
Hospitals	537,445	537,445	-
Health	775,319	734,601	40,718
Employment security administration	6,601	6,601	-
Veterans' services	-	-	-
Transportation 4/	2/ 1,582,367	2/ 1,332,329	250,038
Highways	2/ 777,762	2/ 528,760	249,002
Air transportation (airports)	2/ 673,502	2/ 673,502	-
Public safety 4/	1,126,213	351,483	774,730
Police protection	543,158	53,022	490,136
Fire protection	271,683	-	271,683
Correction	234,183	234,183	-
Protective inspection and regulation	77,189	64,278	12,911
Environment and housing 4/	2/ 1,695,914	2/ 399,230	1,296,684
Natural resources	2/ 160,686	2/ 149,511	11,175
Parks and recreation	297,863	61,151	236,712
Housing and community development	2/ 374,520	2/ 188,551	185,969
Sewerage	518,978	17	518,961
Solid waste management	343,867	-	343,867
Governmental administration 2/	1,476,349	787,907	688,442
Interest on general debt	2/ 1,288,638	692,110	2/ 596,528
Gen. expend., not elsewhere classified 2/	1,984,130	1,455,082	529,048
Utility expenditure 4/	2/ 1,353,426	-	2/ 1,353,426
Water supply	2/ 470,035	-	2/ 470,035
Transit	2/ 883,391	-	2/ 883,391
Insurance trust expenditure	2/ 2,459,121	2/ 2,459,121	-
Unemployment compensation	897,332	897,332	-
Employee retirement	2/ 1,561,789	2/ 1,561,789	-

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**Table 9.18-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2020 -- Con.**

Category	State & local	State	Local
Debt outstanding 2/	17,148,606	9,431,929	7,716,677
Short-term	-	-	-
Long-term	2/ 17,148,606	2/ 9,431,929	2/ 7,716,677
Public debt for private purposes	2/ 50,369	2/ 50,369	-
Long-term debt issued	1,686,484	81,901	1,604,583
Long-term debt retired	2/ 1,964,719	651,889	2/ 1,312,830
Cash and security holdings 2/	34,077,545	28,897,911	5,179,634
Insurance trust funds	17,789,012	17,789,012	-
Unemployment compensation	191,190	191,190	-
Employee retirement	17,597,822	17,597,822	-
Other than insurance trust funds	2/ 16,288,533	2/ 11,108,899	2/ 5,179,634
Offsets to debt	2/ 1,043,972	2/ 714,827	2/ 329,145
Bond funds	2/ 526,549	319,422	2/ 207,127
Other	2/ 14,718,012	10,074,650	2/ 4,643,362

1/ Duplicative intergovernmental transactions are excluded.

2/ Revised from previous *Data Book*.

3/ Charges include highways, parking facilities, sea and inland port facilities, natural resources, parks and recreation, housing and community development, solid waste management, and other charges.

4/ Includes capital outlay.

Source: U.S. Census Bureau, "Table 1. State and Local Government Finances by Level of Government and by State: 2020" (July 6, 2022) <<https://www.census.gov/content/census/en/data/datasets/2020/econ/local/public-use-datasets.html>> accessed July 6, 2022; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.19-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2021**

[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/	29,960,305	25,160,057	5,640,372
General revenue 1/	21,848,312	17,461,425	5,227,011
Intergovernmental revenue 1/	6,159,252	5,973,572	1,025,804
General revenue from own sources	15,689,060	11,487,853	4,201,207
Taxes	11,224,551	8,046,691	3,177,860
Property	2,321,006	-	2,321,006
Sales and gross receipts	4,687,987	4,147,624	540,363
Individual income	3,354,690	3,354,690	-
Corporate income	191,426	191,426	-
Motor vehicle license	434,593	177,165	257,428
Other taxes	234,849	175,786	59,063
Charges & misc. general revenue	4,464,509	3,441,162	1,023,347
Current charges 2/	2,232,572	1,469,071	763,501
Education	333,380	333,380	-
Hospitals	498,960	498,960	-
Air transportation (airports)	256,230	256,230	-
Sewerage	528,730	-	528,730
Miscellaneous general revenue	2,231,937	1,972,091	259,846
Utility revenue	413,361	-	413,361
Insurance trust revenue	7,698,632	7,698,632	-
Unemployment compensation	927,941	927,941	-
Employee retirement	6,770,691	6,770,691	-
Expenditure 1/	21,880,729	16,706,022	5,381,372
Intergovernmental expenditure 1/	402	207,067	-
Direct expenditure by function	21,880,327	16,498,955	5,381,372
Direct general expenditure	17,809,195	13,670,796	4,138,399
Current operations	15,922,979	12,297,179	3,625,800
Capital outlay	2,516,710	1,098,065	1,418,645
Construction	1,689,680	422,501	1,267,179
Other capital outlay	827,030	675,564	151,466
Assistance and subsidies	163,814	140,879	22,935
Interest on debt	448,665	134,673	313,992
Insurance benefits and repayments	2,828,159	2,828,159	-

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**Table 9.19-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2021 -- Con.**

Category	State & local	State	Local
Education services 3/	3,652,261	3,652,261	-
Education	3,616,893	3,616,893	-
Libraries	35,368	35,368	-
Social services & income maint. 3/	4,930,258	4,790,989	139,269
Public welfare	3,633,165	3,535,565	97,600
Hospitals	504,209	504,209	-
Health	785,560	743,891	41,669
Employment security administration	7,324	7,324	-
Veterans' services	-	-	-
Transportation 3/	1,760,824	1,445,235	315,589
Highways	974,276	662,064	312,212
Air transportation (airports)	713,358	713,358	-
Public safety 3/	1,161,392	347,015	814,377
Police protection	578,710	62,513	516,197
Fire protection	284,719	-	284,719
Correction	221,229	221,229	-
Protective inspection and regulation	76,734	63,273	13,461
Environment and housing 3/	1,726,086	412,611	1,313,475
Natural resources	168,975	150,784	18,191
Parks and recreation	314,123	61,471	252,652
Housing and community development	422,169	200,351	221,818
Sewerage	539,576	5	539,571
Solid waste management	281,243	-	281,243
Governmental administration	1,288,638	692,110	596,528
Interest on general debt	402,665	134,673	267,992
Gen. expend., not elsewhere classified	2,887,071	2,195,902	691,169
Utility expenditure 3/	1,242,973	-	1,242,973
Water supply	468,499	-	468,499
Transit	774,474	-	774,474
Insurance trust expenditure	2,828,159	2,828,159	-
Unemployment compensation	1,912,968	1,912,968	-
Employee retirement	915,191	915,191	-

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**Table 9.19-- HAWAII STATE AND LOCAL GOVERNMENT FINANCES,  
BY LEVEL OF GOVERNMENT: 2021 -- Con.**

Category	State & local	State	Local
Debt outstanding	19,704,281	11,521,014	8,183,267
Short-term	-	-	-
Long-term	19,704,281	11,521,014	8,183,267
Public debt for private purposes	40,745	40,745	-
Long-term debt issued	4,541,564	3,186,665	1,354,899
Long-term debt retired	2,017,776	1,097,580	920,196
Cash and security holdings	40,170,356	34,855,382	5,314,974
Insurance trust funds	20,343,082	20,343,082	-
Unemployment compensation	-713,289	-713,289	-
Employee retirement	21,056,371	21,056,371	-
Other than insurance trust funds	19,827,274	14,512,300	5,314,974
Offsets to debt	1,090,222	745,912	344,310
Bond funds	760,689	487,785	272,904
Other	17,976,363	13,278,603	4,697,760

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: 2021" (June 26, 2023) <<https://www.census.gov/content/census/en/data/datasets/2021/econ/local/public-use-datasets.html>> accessed June 29, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.20-- HAWAII STATE GOVERNMENT FINANCES: 2018 TO 2021**

[Thousands of dollars. For fiscal year ending June 30. May not match state data in other Census-sourced tables due to different revision cycle]

Category	2018	2019	2020	2021
Total revenue 1/	1/ 16,149,357	1/ 16,656,724	1/ 17,519,516	23,277,323
General revenue 1/	14,277,135	14,787,587	15,498,108	20,506,030
Intergovernmental revenue 1/	3,369,965	1/ 3,281,378	4,205,193	9,018,177
Total taxes	7,714,451	1/ 8,207,524	7,707,502	8,046,691
General sales & gross rec.	3,529,065	3,808,718	3,697,191	3,296,268
Selective sales & gross rec.	1,202,967	1,253,416	1,226,778	851,356
License	275,600	280,311	274,200	258,953
Individual income	2,430,032	2,568,259	2,359,093	3,354,690
Corporate net income	146,831	190,484	43,679	191,426
Other taxes	129,956	106,336	106,561	93,998
Current charges	1,737,965	1,790,173	1,680,940	1,469,071
Misc. general revenue 1/	1,454,754	1,508,512	1,904,473	1,972,091
Insurance trust revenue	1/ 1,872,222	1/ 1,869,137	1/ 2,021,408	2,771,293
Total expenditure 1/	1/ 13,728,252	1/ 14,296,809	1/ 16,129,839	17,817,850
General expenditure, by function				
Education 1/	3,658,533	3,973,889	3,718,401	3,616,893
Public welfare 1/	2,907,923	2,870,285	1/ 2,987,088	3,542,444
Hospitals 1/	554,804	533,309	539,245	506,009
Health 1/	557,341	1/ 613,612	1/ 740,339	746,970
Highways 1/	465,298	556,838	1/ 533,434	687,431
Police protection 1/	44,823	47,780	53,022	62,513
Correction 1/	228,042	241,512	234,183	221,229
Natural resources 1/	154,907	147,355	1/ 158,647	152,714
Parks and recreation 1/	74,555	62,983	63,537	63,210
Government administration 1/	613,785	595,843	1/ 686,029	710,523
Interest on general debt	100,248	106,596	117,480	134,673
Other and unallocable 1/	2,766,754	1/ 2,884,639	1/ 3,822,280	4,517,479
Insurance trust expenditure	1/ 1,585,961	1/ 1,645,696	1/ 2,459,122	2,839,737
Exhibit: General expenditure 1/	12,142,291	1/ 12,651,113	1/ 13,670,717	14,978,113
Intergovernment expenditure	355,739	328,597	323,474	207,067
Direct expenditure	11,786,552	1/ 12,322,516	1/ 13,347,243	14,771,046
Debt outstndng, long- & short-term	9,971,130	10,001,827	1/ 9,431,929	11,521,014
Cash and security holdings 1/	28,633,312	30,751,138	1/ 28,897,911	34,652,790

1/ Revised from previous *Data Book*.

Source: U.S. Census Bureau, "Annual Survey of State Government Finances Table" (annual)  
 <<https://www.census.gov/programs-surveys/state/data/tables.All.html>> accessed March 17, 2023.

**Table 9.21-- STATE GOVERNMENT EXPENDITURES, GOVERNMENTAL FUNDS, BY FUNCTION: 2018 TO 2022**

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

Function	2018	2019	2020	2021	2022
Total expenditures	12,130,012	12,260,264	13,036,832	15,072,727	15,586,380
Current	11,344,344	11,404,890	12,140,331	14,219,194	14,563,413
General government	807,032	1,007,554	1,137,274	1,708,337	2,023,088
Public safety	579,980	634,120	612,091	746,822	744,838
Highways	609,538	526,148	500,212	448,647	561,216
Conservation of nat'l resources	157,639	145,383	167,383	137,459	134,505
Health	827,592	1,009,545	1,096,444	1,040,285	1,090,851
Welfare	3,495,974	3,332,469	3,653,210	4,599,447	4,869,981
Lower education	3,226,275	3,334,110	3,351,308	3,451,175	3,507,290
Higher education	950,843	950,253	1,050,582	984,734	919,351
Other education	23,827	18,376	16,936	20,593	16,933
Culture and recreation	104,964	116,381	143,739	377,419	116,598
Urban redev. & housing	124,292	79,236	78,061	89,826	98,161
Econ. devel. & assistance	167,614	152,592	166,387	238,956	267,845
Housing	256,386	85,032	153,411	355,350	113,095
Other	12,388	13,691	13,293	20,144	99,661
Debt service	785,668	855,374	896,501	853,533	1,022,967
Principal	464,518	464,518	564,222	522,640	699,248
Interest and others	321,150	390,856	332,279	330,893	323,719

Source: Hawaii State Department of Accounting and General Services, *Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2022* (pp. 176-177)

<<https://ags.hawaii.gov/accounting/annual-financial-reports/>> accessed March 28, 2023; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 9.22-- STATE GOVERNMENT REVENUES, GOVERNMENTAL FUNDS: 2018 TO 2022**

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

Function	2018	2019	2020	2021	2022
Total revenues	11,316,814	11,744,341	12,091,455	13,450,796	16,145,421
Total taxes	7,189,827	7,787,180	7,531,294	7,676,311	9,437,538
General excise	3,553,975	3,794,585	3,632,630	3,437,755	3,893,006
Net income - corp. & personal	2,456,674	2,718,654	2,657,551	3,233,174	3,758,447
Public service companies	117,641	126,691	134,639	125,201	122,068
Transient accommodations	304,521	356,670	303,176	194,095	661,330
Tobacco and liquor	157,988	151,438	150,065	141,522	140,262
Liquid fuel	85,211	85,146	79,187	69,351	78,674
Insurance companies' premiums	162,318	176,420	183,563	188,229	198,478
Vehicle weight and registration	135,080	136,142	125,119	143,242	138,579
Rental motor/tour vehicle surcharge	54,846	57,994	72,502	32,206	79,574
Franchise	15,712	26,808	35,271	5,079	59,252
Other	145,861	156,632	157,591	106,457	307,868
Non-taxes	3,698,921	3,587,736	4,230,537	5,417,832	6,292,889
Interest and investment (loss) income	36,527	40,141	164,354	30,759	54,739
Net decrease in fair value of investments	-	-	-	-	-298,277
Charges for current services	477,717	518,531	495,009	401,403	487,273
Intergovernmental	2,878,717	2,783,538	3,333,396	4,741,176	5,801,691
Rentals	35,466	38,031	35,035	31,316	40,153
Fines, forfeitures, and penalties	38,767	37,513	28,579	32,081	28,882
Licenses and fees	47,066	47,965	45,763	42,577	50,668
Revenues from private sources	184,661	122,017	128,401	138,520	127,760
Other	428,066	369,425	329,624	356,653	414,994

Source: Hawaii State Department of Accounting and General Services, *Comprehensive Annual Financial Report For The Fiscal Year Ended June 30, 2022* (pp. 176-177)

<<https://ags.hawaii.gov/accounting/annual-financial-reports/>> accessed March 28, 2023; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 9.23-- LOCAL GOVERNMENT REVENUES: 2012**

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

Subject	Total	City & County of Honolulu	Other counties	Special district 1/
Revenue	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 9.24-- LOCAL GOVERNMENT EXPENDITURES: 2012**

[Data are rounded to thousands of dollars. For fiscal year ending June 30. Based on sample]

Subject	Total	City & County of Honolulu	Other counties	Special district 1/
Expenditure	3,400,148	2,324,071	1,032,822	43,255
Intergov't expenditure	11	-	-	11
Direct expenditure	3,400,137	2,324,071	1,032,822	43,244
Current operations	2,237,075	1,380,219	814,137	42,719
Capital outlay	953,812	768,394	184,893	525
Construction	840,592	685,570	155,017	5
Other capital outlay	113,220	82,824	29,876	520
Interest on debt	209,250	175,458	33,792	-
Exhibit: Salaries and wages	820,618	464,555	346,051	10,012
Direct expenditure by function	3,400,137	2,324,071	1,032,822	43,244
Direct general expenditure	2,474,797	1,553,966	877,587	43,244
Capital outlay	515,429	367,467	147,437	525
Other direct general exp.	1,959,368	1,186,499	730,150	42,719
Education services	-	-	-	-
Education	-	-	-	-
Elem. & secondary	-	-	-	-
Libraries	-	-	-	-
Social serv. & inc. maint.	58,028	24,340	33,688	-
Public welfare	33,688	-	33,688	-
Vendor payments	8,658	-	8,658	-
Other public welfare	25,030	-	25,030	-
Health	24,340	24,340	-	-
Transportation	255,270	125,559	129,711	-
Highways	254,708	124,997	129,711	-
Capital outlay	135,321	83,730	51,591	-
Parking facilities	562	562	-	-
Public safety	559,882	347,810	212,072	-
Police protection	358,771	242,433	116,338	-
Fire protection	194,866	105,377	89,489	-
Prot. insp. & regulation	6,245	-	6,245	-

Continued on next page.

**Table 9.24-- 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 9.25-- NUMBER OF EXEMPTIONS AND ADJUSTED GROSS INCOME REPORTED ON INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEARS 2000 TO 2020**

Tax year	Number of returns	Number of exemptions 1/	Adjusted gross income (less deficit)		
			Total (\$1,000)	Per return (dollars)	Per exemption 1/ (dollars)
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 2/	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
2018 3/	694,860	1,275,470	46,863,938	67,444	36,742
2019 3/	714,760	1,293,720	48,907,740	68,425	37,804
2020 3/	707,510	1,270,150	49,992,593	70,660	39,360

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.

2/ Includes returns that were filed by individuals only to receive the economic stimulus payment and who had no other reason to file.

3/ Beginning in 2018, personal exemption deductions were suspended for the primary, secondary, and dependent taxpayers. However, the data used to create the "Number of individuals"—filing status, dependent status indicator, and identifying dependent information—are still available on the Form 1040. This field is based on these data.

Source: U.S. Treasury Department, Internal Revenue Service, *Statistics of Income. Individual Income Tax Returns* (annual); *SOI Bulletin*, (annual), 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 January 5, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.



**Table 9.26-- ADJUSTED GROSS INCOME AND INCOME TAX, BY SIZE OF ADJUSTED GROSS INCOME, FOR INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEAR 2019 AND 2020**

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)
2019					
All returns	2/ 714,760	48,907,740	540,280	5,843,968	10,817
Under \$1 3/	14,140	-933,451	1,730	4,413	2,551
\$1 under \$50,000	378,080	8,958,162	227,220	432,359	1,903
\$50,000 under \$75,000	110,660	6,789,877	102,520	516,834	5,041
\$75,000 under \$100,000	70,300	6,097,348	68,290	542,281	7,941
\$100,000 under \$200,000	109,110	14,818,397	108,110	1,686,348	15,598
\$200,000 under \$500,000	27,870	7,790,272	27,820	1,323,586	47,577
\$500,000 or more	4,590	5,387,135	4,590	1,338,147	291,535
2020					
All returns	2/ 707,510	49,992,593	2/ 523,200	6,245,175	11,936
Under \$1 3/	26,620	-972,334	1,530	3,693	2,414
\$1 under \$50,000	365,850	8,755,120	217,830	401,190	1,842
\$50,000 under \$75,000	106,280	6,524,634	97,970	483,044	4,931
\$75,000 under \$100,000	68,270	5,920,457	66,320	523,492	7,893
\$100,000 under \$200,000	107,430	14,626,738	106,520	1,666,544	15,645
\$200,000 under \$500,000	28,180	7,872,420	28,150	1,340,192	47,609
\$500,000 or more	4,890	7,265,558	4,890	1,827,020	373,624

1/ Filed in following year.

2/ Published sum is 10 higher than sum of components in 2019 and published sum and number of returns 10 lower in 2020.

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 January 5, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.27-- FEDERAL INDIVIDUAL INCOME TAX RETURNS, SELECTED INCOME AND TAX ITEMS:  
TAX YEAR 2019 AND 2020**

[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 or individuals 1/	Adjusted gross income	Salaries and wages		Taxable interest		Total tax liability	
				No. of returns	Amount	No. of returns	Amount	No. of returns	Amount
Total - 2019	700,530	1,274,330	49,759,725	569,370	33,444,364	251,530	411,025	538,450	5,819,978
1 under 25,000	199,600	250,340	2,405,881	143,310	1,827,701	38,540	24,156	82,270	75,539
25,000 under 50,000	178,450	299,040	6,551,775	156,070	5,506,635	40,410	27,870	144,900	356,671
50,000 under 75,000	110,650	207,960	6,789,487	93,530	5,273,526	41,550	36,275	102,520	516,818
75,000 under 100,000	70,300	155,580	6,096,590	58,330	4,451,336	34,800	35,136	68,280	542,218
100,000 under 200,000	109,150	277,600	14,844,038	91,590	10,342,724	69,260	101,827	108,150	1,691,986
200,000 or more	32,380	83,810	13,071,954	26,540	6,042,442	26,970	185,761	32,330	2,636,746
Total - 2020	680,810	1,234,350	49,661,458	539,960	31,154,170	247,990	336,193	521,530	5,925,725
1 under 25,000	189,860	241,310	2,274,639	125,260	1,410,407	41,420	22,289	75,010	61,273
25,000 under 50,000	175,960	292,180	6,480,018	151,920	4,669,731	40,950	25,214	142,740	339,704
50,000 under 75,000	106,270	199,090	6,523,969	89,140	4,605,871	39,890	30,191	97,960	482,973
75,000 under 100,000	68,270	147,900	5,920,011	56,320	4,050,977	33,150	30,515	66,310	523,408
100,000 under 200,000	107,440	268,480	14,635,738	90,020	9,984,343	66,080	81,796	106,530	1,668,125
200,000 or more	33,010	85,390	13,827,083	27,300	6,432,841	26,500	146,188	32,980	2,850,242

1/ Beginning in 2018, personal exemption deductions were suspended for the primary, secondary, and dependent taxpayers. However, data used to create "Number of individuals" (filing status, dependent status indicator, and identifying dependent information) are still available on Form 1040 and used for this field.

Source: U.S. Internal Revenue Service, Statistics of Income, records, "Hawaii Individual Income Tax Returns: Selected Income and Tax Items by State, ZIP Code and Size of Adjusted Gross Income, Tax Year" (annual) <<https://www.irs.gov/statistics/soi-tax-stats-individual-income-tax-statistics-zip-code-data-soi>> accessed January 5, 2023.

**Table 9.28-- FEDERAL INDIVIDUAL INCOME TAX RETURNS, SELECTED INCOME AND TAX ITEMS, BY SELECTED ZIP CODES: TAX YEAR 2020**

[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	No. individuals 1/	Adj. gross income	Salaries and wages		Taxable interest		Total tax liability	
				No. of returns	Amount	No. of returns	Amount	No. of returns	Amount
State total	680,810	1,234,350	49,661,458	539,960	31,154,170	247,990	336,193	521,530	5,925,725
96816	26,010	42,560	2,518,406	19,290	1,311,365	12,320	24,458	20,720	386,928
96734	22,720	43,020	2,323,121	17,710	1,454,744	10,300	15,858	18,510	323,037
96821	9,620	17,080	1,522,883	6,660	735,582	5,970	21,817	8,030	281,075
96744	27,090	48,650	2,266,469	20,960	1,465,901	12,110	12,401	21,990	272,894
96825	15,000	27,570	1,718,629	10,770	966,397	8,590	14,625	12,550	254,232
96822	20,540	32,360	1,803,112	15,480	1,034,849	9,690	18,794	16,660	252,388
96789	26,500	50,420	2,244,163	21,280	1,541,595	12,650	11,146	21,790	250,354
96706	35,730	72,680	2,466,229	31,940	1,970,585	10,390	4,891	27,540	231,579
96817	27,440	46,770	1,730,934	21,380	1,049,990	9,400	11,215	19,910	209,337
96813	14,280	22,480	1,326,225	11,180	820,545	6,100	13,678	11,690	201,445
96814	12,990	19,930	1,236,865	9,900	701,978	5,630	11,370	10,520	197,819
96797	36,320	66,840	2,153,160	31,230	1,598,243	11,280	6,714	27,330	196,166
96701	20,870	36,020	1,615,750	16,100	1,018,872	9,700	9,765	16,980	187,563
96707	20,670	40,870	1,544,784	18,080	1,177,334	6,650	5,092	16,320	160,362
96720	24,060	43,800	1,441,974	18,130	913,979	8,630	7,873	17,020	151,704
96815	14,560	21,760	1,138,413	10,890	639,555	5,810	16,648	11,920	151,547
96753	13,710	22,980	1,102,208	10,300	531,089	4,800	11,502	10,850	150,370
96740	15,030	27,090	1,096,470	11,250	592,712	5,150	9,767	11,470	138,374
96818	21,520	44,730	1,434,329	18,570	1,101,182	7,540	5,941	16,350	133,100
96782	18,460	33,050	1,211,968	13,910	793,827	7,750	6,688	14,560	117,172

1/ Beginning in 2018, personal exemption deductions were suspended for the primary, secondary, and dependent taxpayers. However, data used to create "Number of individuals" (filing status, dependent status indicator, and identifying dependent information) are still available on Form 1040 and used for this field.

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 2020" <<https://www.irs.gov/statistics/soi-tax-stats-individual-income-tax-statistics-zip-code-data-soi>> accessed January 5, 2023.

**Table 9.29-- SELECTED CHARACTERISTICS OF INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEAR 2019 AND 2020**

Subject	2019		2020	
	Number of returns	Amount (\$1,000)	Number of returns	Amount (\$1,000)
All returns and adj. gross income (AGI) 1/	714,760	48,907,740	707,510	49,992,593
Salaries and wages	571,880	33,544,393	543,190	31,550,461
Taxable interest income	255,800	462,651	253,410	389,955
Ordinary dividends	142,970	1,105,010	152,020	2,125,641
Business or prof. net income (less loss)	116,990	1,909,380	110,150	1,552,374
Farm returns	5,410	(NA)	5,310	(NA)
Net capital gain (less loss)	121,410	2,516,062	137,460	3,328,882
Taxable indiv. retire. arrange. distrib.	74,900	1,464,951	63,240	1,297,878
Taxable pensions and annuities	143,920	4,542,118	155,290	4,759,536
Unemployment compensation	19,070	120,597	176,250	3,430,101
Taxable social security benefits	112,730	1,934,457	115,200	2,000,941
Self-employment (Keogh) retirement plans	5,170	122,889	5,040	124,657
Individuals 2/	1,293,720	(NA)	1,270,150	(NA)
Itemized deductions	95,990	3,193,888	84,200	2,873,667
State and local income taxes	81,820	1,057,314	71,380	1,147,368
State and local general sales tax	11,680	15,379	10,670	13,953
Real estate taxes	84,760	270,865	73,960	256,464
Total taxes paid	95,410	725,118	83,670	635,807
Home mortgage interest paid	80,820	1,415,106	70,820	1,200,201
Taxable income	575,710	36,655,273	562,160	38,113,474
Total tax credits	255,520	582,391	245,400	541,212
Residential energy tax credit	10,210	47,821	10,890	47,153
Child (and other dependent) tax credit	168,730	373,424	161,610	365,229
Child and dependent care credit	26,370	14,389	18,200	9,159
Earned income credit	98,810	209,851	90,860	181,212
Excess earned income credit (refundable)	84,050	184,879	78,720	163,313
Alternative minimum tax	640	6,771	640	8,576
Total tax payments	666,970	6,807,078	657,810	7,288,157
Economic Impact Payment 1st Round	(NA)	(NA)	576,710	1,036,841
Economic Impact Payment 2nd Round	(NA)	(NA)	525,600	549,190
Income tax (before credits)	572,800	5,987,618	558,950	6,339,907
Tax liability	540,280	5,843,968	523,200	6,245,175
Tax due at time of filing	161,790	746,136	158,960	783,522
Overpayments (negative amount) 2/	519,650	1,699,930	511,870	1,820,198

NA Not available.

1/ Adjusted gross income (AGI) includes deficit.

2/ Beginning in 2018, personal exemption deductions were suspended for the primary, secondary, and dependent taxpayers. However, data used to create "Number of individuals" (filing status, dependent status indicator, and identifying dependent information) are still available on Form 1040 and used for this field.

Source: U.S. Internal Revenue Service, "Table 2. 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 January 5, 2023.

**Table 9.30-- INTERNAL REVENUE SERVICE OPERATIONS: 2018 TO 2022**

[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, 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	2018	2019	2020	2021	2022
Total number of returns filed	1,140,767	1,149,680	1,067,719	1,063,888	1,044,820
Individual income tax	693,732	695,628	698,198	735,316	696,309
Estate and trust income tax	14,014	14,170	12,020	15,015	13,607
Partnership tax	13,045	12,115	11,620	15,112	12,894
Corporate income tax 1/	27,238	28,420	24,005	28,911	31,956
Estate tax	211	151	75	147	150
Gift tax	1,226	1,221	659	1,273	1,121
Employment taxes	121,682	124,029	107,119	128,243	117,934
Excise taxes	1,316	1,418	1,035	1,482	1,284
Other 2/	268,303	272,528	212,988	138,389	169,565
Total no. of returns filed electronically	721,560	741,769	789,353	808,373	843,986
Individual income tax	579,399	589,001	638,966	631,006	626,528
Estate and trust income tax	9,845	10,164	10,560	11,331	11,392
Partnership tax	8,937	8,304	10,671	10,886	11,619
Corporate income tax 1/	16,113	17,529	18,995	21,308	22,718
Employment taxes	42,013	45,932	49,549	55,901	61,814
Other 3/	65,253	70,839	60,612	77,941	109,915
Total number of refunds issued	547,216	542,738	1,351,630	2,561,828	1,000,792
Business income tax	1,970	1,924	1,699	2,613	4,049
Individual income tax 4/	539,671	535,149	1,344,952	2,549,957	984,561
Employment taxes	5,295	5,314	4,671	8,823	11,803
Estate tax	(D)	(D)	(D)	(D)	13
Gift tax	(D)	(D)	(D)	(D)	10
Excise taxes	246	320	294	411	356
Total amount of refunds issued (\$1,000)	1,475,394	1,515,320	2,758,770	4,350,479	2,138,461
Business income tax	60,660	130,854	161,061	98,248	206,775
Individual income tax 5/	1,393,161	1,366,150	2,574,532	4,123,553	1,674,408
Employment taxes	7,188	8,611	9,785	111,691	244,459
Estate tax	(D)	(D)	(D)	(D)	532
Gift tax	(D)	(D)	(D)	(D)	13
Excise taxes	12,266	5,311	10,695	13,441	12,275

Continued on next page.

## Table 9.30-- INTERNAL REVENUE SERVICE OPERATIONS: 2018 TO 2022 -- Con.

D Not shown to avoid disclosure of information about specific taxpayers, but data are reflected in 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/ Includes tax-exempt organizations, supplemental documents and excise taxes.

4/ For 2017 to 2021, includes individual income tax and estate and trust income tax. In 2020, includes 720,778 Coronavirus Aid, Relief, and Economic Security Act of 2020 (CARES Act) economic impact payment refunds.

5/ For 2017 to 2021, includes individual income tax and estate and trust income tax. In 2020, includes \$1,217,144 Coronavirus Aid, Relief, and Economic Security Act of 2020 (CARES Act) economic impact payments which IRS classified as refunds.

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 2, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.31-- RESIDENT INDIVIDUAL STATE INCOME TAX RETURNS:  
TAX YEARS 1980 TO 2005 AND 2012 TO 2020**

Year income was received	Number of resident returns	Adjusted gross income 1/ (\$1,000)	Taxable income (\$1,000)	Tax liability (\$1,000) 2/
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
2018	637,209	38,959,521	32,357,897	2,266,487
2019	651,977	41,702,397	34,885,297	2,461,972
2020	653,515	42,471,220	36,185,211	2,577,885

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/ Before tax credits.

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 2020) and for 1994 to 2005 and 2012 to 2020 <[http://tax.hawaii.gov/stats/a5\\_1annual/a5\\_5ind\\_inc/](http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/)> accessed January 5, 2023.

**Table 9.32-- NONRESIDENT INDIVIDUAL STATE INCOME TAX RETURNS:  
TAX YEARS 1980 TO 2005 AND 2012 TO 2020**

Year income was received	Number of nonresident returns	Hawaii adjusted gross income 1/ (\$1,000)	Taxable income (\$1,000)	Tax liability (\$1,000) 2/
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	(3/)	49,166
1998	48,815	494,790	(3/)	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
2018	102,143	1,540,400	2,599,313	180,202
2019	104,232	1,582,208	2,539,782	175,791
2020	96,152	1,002,989	2,610,013	192,938

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/ Before tax credits.

3/ 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/](http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/)> accessed January 5, 2023.



**Table 9.33-- SELECTED DATA ON RESIDENT TAX RETURNS WITH AT LEAST ONE AGE EXEMPTION: TAX YEAR 2019 AND 2020**

[In thousands of dollars unless otherwise indicated. Elderly taxpayers, 65 years of age or older, may claim an extra exemption]

Item	Total	Taxable returns	Nontaxable returns
2019			
Number of tax returns	154,355	87,653	66,702
Total age exemptions	205,554	116,634	88,920
Self age exemption	148,194	82,768	65,426
Spousal age exemption	57,360	33,866	23,494
Total age exemptions cost	235,154	133,429	101,724
Hawaii adjusted gross income (AGI)	7,430,510	7,663,017	-232,507
Standard deductions	167,996	84,364	83,632
Itemized deductions	1,872,116	1,103,843	768,273
Taxable income	6,172,407	6,172,407	(X)
Tax liability before credits	457,543	457,543	(X)
Tax liability after credits	403,653	411,437	-7,784
2020			
Number of tax returns	161,953	89,680	72,273
Total age exemptions	215,539	119,211	96,328
Self age exemption	155,815	84,725	71,090
Spousal age exemption	59,724	34,486	25,238
Total age exemptions cost	246,577	136,377	110,199
Hawaii adjusted gross income (AGI)	7,767,067	8,090,593	-323,527
Standard deductions	179,111	90,083	89,027
Itemized deductions	1,916,720	1,108,314	808,406
Taxable income	6,584,286	6,584,286	(X)
Tax liability before credits	486,373	486,373	(X)
Tax liability after credits	429,213	438,076	-8,863

X Not applicable.

Source: Hawaii State Department of Taxation, *Hawaii Individual Income Tax Statistics Tax Year* (annual) <[http://tax.hawaii.gov/stats/a5\\_1annual/a5\\_5ind\\_inc/](http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/)> accessed January 5, 2023.

**Table 9.34-- SOURCES OF INCOME REPORTED BY NONRESIDENT TAXPAYERS: TAX YEARS 2016 TO 2020**

[In thousands of dollars]

Source of income	2016	2017	2018	2019	2020
Total	1,422,672	1,398,927	1,584,340	1,637,585	1,042,911
Salaries and wages	1,143,157	1,176,632	1,284,318	1,285,758	1,133,275
Ordinary dividends	26,698	21,150	23,605	28,673	302,596
Interest	22,231	23,662	25,630	31,859	32,305
Business income	44,001	45,990	43,653	54,466	28,371
Rents, partnerships, and estates	222,494	267,751	344,867	264,493	-239,728
Unemployment compensation	6,366	6,600	6,255	6,038	75,223
Pensions and annuities	15,367	26,964	31,186	29,255	24,993
Capital gain, supplemental gain, and other	-81,855	812,506	877,525	753,452	717,332
All other sources	24,213	-982,328	-1,052,698	-816,409	-1,031,457

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/](http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/)> accessed January 5, 2023.

**Table 9.35-- STATE INCOME TAX RESIDENT RETURNS ON INCOME RECEIVED DURING 2020, BY ADJUSTED GROSS INCOME CLASS**

Adjusted gross income class	Number of returns	Adjusted gross income 1/ (\$1,000)	Taxable income (\$1,000)	Tax liability before credits (\$1,000)	Tax liability after credits (\$1,000)
All resident returns	653,515	42,471,220	36,185,211	2,577,885	2,402,170
Taxable resident returns	539,325	43,029,416	36,185,211	2,577,885	2,417,839
Under \$10,000	34,903	223,971	104,090	2,378	-491
\$10,000 under \$20,000	56,698	855,457	564,276	22,644	14,894
\$20,000 under \$30,000	68,893	1,722,191	1,310,581	66,105	52,317
\$30,000 under \$40,000	66,721	2,330,697	1,873,439	105,786	93,634
\$40,000 under \$50,000	57,425	2,575,435	2,110,250	126,921	120,272
\$50,000 under \$75,000	90,030	5,488,154	4,502,477	286,740	280,842
\$75,000 under \$100,000	53,353	4,625,606	3,780,758	251,652	246,491
\$100,000 under \$150,000	59,002	7,164,658	5,930,738	412,713	402,198
\$150,000 under \$200,000	25,065	4,300,929	3,594,369	261,047	252,049
\$200,000 under \$300,000	15,696	3,732,362	3,335,093	253,348	242,748
\$300,000 under \$400,000	4,811	1,649,159	1,523,335	120,477	114,275
\$400,000 and over	6,728	8,360,797	7,555,805	668,074	598,611
Nontaxable resident returns	114,190	-558,196	(X)	(X)	-15,670
Loss	20,144	-991,675	(X)	(X)	-3,402
Under \$5,000	71,993	71,536	(X)	(X)	-8,795
\$5,000, under \$10,000	9,894	70,802	(X)	(X)	-1,572
\$10,000 and over	12,159	291,141	(X)	(X)	-1,901

X Not applicable.

1/ Includes returns with negative adjusted gross income.

Source: Hawaii State Department of Taxation, *Hawaii Individual Income Tax Statistics, Tax Year 2020* (September 2022), table A-1 <[http://tax.hawaii.gov/stats/a5\\_1annual/a5\\_5ind\\_inc/](http://tax.hawaii.gov/stats/a5_1annual/a5_5ind_inc/)> accessed January 5, 2023.

**Table 9.36-- MEDIAN ADJUSTED GROSS INCOME OF RESIDENT STATE INCOME TAX RETURNS, BY TYPE OF RETURN, 2000 TO 2005, AND 2017 TO 2020, AND BY COUNTY, 2017 TO 2020**

[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 2017 reports to update this table. Beginning with the 2018, the report contains previous and current year data]

Year income was received	Taxable and nontaxable returns 1/			Taxable returns only		
	All returns	Joint	Other 2/	All returns	Joint	Other 2/
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
2017 3/	41,108	86,808	29,041	(NA)	(NA)	(NA)
2018 3/	42,835	90,111	30,558	(NA)	(NA)	(NA)
2019 3/	43,657	92,884	31,406	(NA)	(NA)	(NA)
2020 3/	43,168	92,332	31,261	(NA)	(NA)	(NA)
COUNTY: 2017 3/						
Oahu	43,697	92,551	30,154	(NA)	(NA)	(NA)
Maui	39,800	81,314	29,362	(NA)	(NA)	(NA)
Hawaii	34,300	69,806	24,906	(NA)	(NA)	(NA)
Kauai	39,773	80,051	28,743	(NA)	(NA)	(NA)
COUNTY: 2018 3/						
Oahu	45,425	95,912	31,774	(NA)	(NA)	(NA)
Maui	41,427	84,392	30,826	(NA)	(NA)	(NA)
Hawaii	35,616	72,792	26,222	(NA)	(NA)	(NA)
Kauai	41,811	85,577	30,532	(NA)	(NA)	(NA)
COUNTY: 2019 3/						
Oahu	46,443	99,103	32,695	(NA)	(NA)	(NA)
Maui	42,470	87,405	31,674	(NA)	(NA)	(NA)
Hawaii	36,157	74,264	26,620	(NA)	(NA)	(NA)
Kauai	42,715	88,188	31,648	(NA)	(NA)	(NA)

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**Table 9.36-- MEDIAN ADJUSTED GROSS INCOME OF RESIDENT STATE INCOME TAX RETURNS, BY TYPE OF RETURN, 2000 TO 2005, AND 2017 TO 2020, AND BY COUNTY, 2017 TO 2020 -- Con.**

Year income was received	Taxable and nontaxable returns 1/			Taxable returns only		
	All returns	Joint	Other 2/	All returns	Joint	Other 2/
COUNTY: 2020 3/						
Oahu	46,069	99,175	32,622	(NA)	(NA)	(NA)
Maui	40,955	84,437	31,093	(NA)	(NA)	(NA)
Hawaii	35,984	74,390	26,480	(NA)	(NA)	(NA)
Kauai	41,580	85,485	30,898	(NA)	(NA)	(NA)

1/ Includes returns with adjusted gross income losses.

2/ Includes single, married filing separately, heads of households, and qualifying surviving spouses.

3/ Median Federal Adjusted Gross Income of Residents.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* (annual) and [http://hawaii.gov/tax/a5\\_5ind\\_inc.htm](http://hawaii.gov/tax/a5_5ind_inc.htm) accessed January 5, 2023.

**Table 9.37-- TAX CREDITS CLAIMED, BY TYPE OF CREDIT AND BY TYPE OF TAXPAYER: 2020**

[In thousands of dollars]

Type of credit	Total	Individuals	Corporations	Financial corporations	Fiduciaries	Exempt organizations	Insurance underwriters
<b>Total</b>	370,241	184,643	85,373	79,940	4,291	440	15,530
Active tax credits							
Promote social welfare							
Refundable food/excise	29,575	29,575	(X)	(X)	(X)	(X)	(X)
Low-income household renters	1,708	1,708	(X)	(X)	(X)	(X)	(X)
Child and dependent care expenses	5,308	5,308	(X)	(X)	(X)	(X)	(X)
Child passenger restraint systems	54	54	(X)	(X)	(X)	(X)	(X)
Employment of vocational rehabilitation referrals	(D)	(D)	-	-	-	-	-
Low-income housing	31,610	575	(D)	(D)	(D)	-	13,673
School repair & maintenance	(D)	(D)	-	-	-	-	-
Earned income	21,130	21,130	(X)	(X)	(X)	(X)	(X)
Lifeline telephone service	24	(X)	(X)	(X)	(X)	(X)	(X)
Encourage certain industries or econ. activities	-						
Fuel credit for commercial fishers	429	(D)	(D)	-	-	-	-
Motion picture, digital media & film production	42,494	(D)	(D)	-	-	-	-
Renewable energy technologies 1/	112,611	46,586	15,110	(D)	503	(D)	-
Enterprise zone	744	(D)	(D)	-	-	-	-
Important agricultural lands qualified agric. cost	-	-	-	-	-	-	-
Research activities	5,147	1,178	3,969	-	-	-	-
Cesspool upgrade, conversion or connection	519	(D)	-	-	(D)	-	-
Renewable fuels production	348	(D)	(D)	-	-	-	-
Organic foods production	103	(D)	(D)	-	-	-	-
Healthcare preceptor income	288	288	(X)	(X)	(X)	(X)	(X)
Historic preservation	-	-	-	-	-	-	-

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**Table 9.37-- TAX CREDITS CLAIMED, BY TYPE OF CREDIT AND BY TYPE OF TAXPAYER: 2020 -- Con.**

Type of credit	Total	Individuals	Corporations	Financial corporations	Fiduciaries	Exempt organizations	Insurance underwriters
Active tax credits - Con.							
Avoid double taxation or pyramiding of taxes							
Capital goods excise	33,690	6,718	22,068	4,291	516	97	-
Income tax paid to another state or foreign country	66,009	62,975	(X)	(X)	(D)	(D)	(X)
Expired tax credits							
Promote social welfare							
Individual development account contribution	-	-	-	-	-	-	-
Encourage certain industries or econ. activities							
High technology business investment	15,491	3,203	(D)	(D)	(D)	(D)	1,857
Energy conservation	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)
Hotel construction & remodeling	(D)	-	(D)	-	-	-	-
Technology infrastructure renovation	75	75	-	-	-	-	-
Residential construction & remodeling	149	(D)	(D)	-	-	-	-
Capital infrastructure	2,412	(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: 2020* (September 2022), Table A-1, page 39

<<https://files.hawaii.gov/tax/stats/stats/credits/2020credit.pdf>> accessed January 6, 2023.

**Table 9.38-- GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS:  
2021 AND 2022**

[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	
	2021	2022	2021	2022
All sources	115,286,646	135,624,508	3,604,330	4,263,353
Sources taxed at 4 percent	85,038,963	100,529,922	3,401,559	4,021,197
Retailing	39,187,019	46,063,450	1,567,481	1,842,538
Services	16,901,264	19,260,793	676,051	770,432
Contracting	10,108,430	10,787,078	404,337	431,483
Theater, amusement, radio, etc.	337,629	535,398	13,505	21,416
Interest & all others	2,882,635	4,030,830	115,305	161,233
Commissions	1,636,147	1,682,885	65,446	67,315
Hotel rentals	4,581,675	7,529,361	183,267	301,174
All other rentals	8,401,371	9,508,096	336,055	380,324
Use	1,002,793	1,132,030	40,112	45,281
Sources taxed at other rates 1/	30,247,683	35,094,586	148,766	173,348
Insurance solicitors	706,289	607,107	1,059	911
Producing	391,775	394,564	1,959	1,973
Manufacturing	446,034	473,407	2,230	2,367
Wholesaling	20,015,246	23,992,508	100,076	119,963
Services (intermediary)	949,877	1,248,802	4,749	6,244
Use	7,738,462	8,378,197	38,692	41,891
Unallocated net collections	(2/)	(2/)	54,005	68,808

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, 2022" (April 25, 2023) <[https://tax.hawaii.gov/stats/a5\\_3txcolrpt/](https://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed April 25, 2023.



**Table 9.39-- TOBACCO TAX COLLECTIONS: 1994 TO 2022**

[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, 2022" issued by the Department of Taxation <<https://files.hawaii.gov/tax/news/pubs/22outline.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
2020	99,995,268	\$0.16 as of July 1, 2011	10,083,191
2021	92,579,019	\$0.16 as of July 1, 2011	10,349,947
2022	81,999,513	\$0.16 as of July 1, 2011	10,527,865

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) <[https://tax.hawaii.gov/stats/a5\\_3txcolrpt/](https://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed February 17, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.40-- LIQUOR TAX COLLECTIONS: 1990 TO 2022**

[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, 2022" issued by the Department of Taxation <<http://files.hawaii.gov/tax/news/pubs/22outline.pdf>>]

Year	Total	Year	Total	Year	Total
1990	42,094	2001	39,379	2012	48,612
1991	40,125	2002	38,497	2013	49,197
1992	40,983	2003	42,149	2014	49,451
1993	38,286	2004	43,426	2015	50,509
1994	38,753	2005	43,594	2016	51,245
1995	37,486	2006	47,001	2017	51,107
1996	38,624	2007	44,705	2018	51,798
1997	38,624	2008	47,568	2019	52,219
1998 1/	38,361	2009	45,332	2020	45,601
1999	37,139	2010	44,961	2021	51,083
2000	39,887	2011	48,433	2022	54,379

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/](http://tax.hawaii.gov/stats/a5_3txcolrptarchive/)> accessed February 17, 2023.

**Table 9.41-- STATE SALES TAX RATE AND STATUS, AND INTERNET SALES TAX STATUS, FOR THE 50 STATES: 2023**

[In 2018, the U.S. Supreme Court decided in the South Dakota v. Wayfair, Inc. case that each state may individually decide if they want to implement taxes on sales made out of the state by online or remote sellers. After this decision, many states placed a tax on internet sales]

State 1/	Sales tax rate (in percent)	Sales tax	Internet sales tax
Alabama	4.00	Yes	Yes
Alaska	0.00	No	Yes
Arizona	5.60	Yes	Yes
Arkansas	6.50	Yes	Yes
California	7.25	Yes	No
Colorado	2.90	Yes	Yes
Connecticut	6.35	Yes	Yes
Delaware	0.00	No	No
Florida	6.00	Yes	No
Georgia	4.00	Yes	No
<b>Hawaii</b>	<b>4.00</b>	<b>Yes</b>	<b>Yes</b>
Idaho	6.00	Yes	Yes
Illinois	6.25	Yes	No
Indiana	7.00	Yes	Yes
Iowa	6.00	Yes	Yes
Kansas	6.50	Yes	No
Kentucky	6.00	Yes	Yes
Louisiana	4.45	Yes	Yes
Maine	5.50	Yes	Yes
Maryland	6.00	Yes	Yes
Massachusetts	6.25	Yes	No
Michigan	6.00	Yes	No
Minnesota	6.88	Yes	Yes
Mississippi	7.00	Yes	Yes
Missouri	4.23	Yes	No
Montana	0.00	No	No
Nebraska	5.50	Yes	Yes
Nevada	6.85	Yes	No
New Hampshire	0.00	No	No
New Jersey	6.63	Yes	Yes
New Mexico	5.13	Yes	Yes
New York	4.00	Yes	No
North Carolina	4.75	Yes	Yes
North Dakota	5.00	Yes	No
Ohio	5.75	Yes	Yes
Oklahoma	4.50	Yes	No
Oregon	0.00	No	No

Continued on next page.

**Table 9.41-- STATE SALES TAX RATE AND STATUS, AND INTERNET SALES TAX STATUS, FOR THE 50 STATES: 2023 -- Con.**

<b>State 1/</b>	<b>Sales tax rate (in percent)</b>	<b>Sales tax</b>	<b>Internet sales tax</b>
Pennsylvania	6.00	Yes	Yes
Rhode Island	7.00	Yes	Yes
South Carolina	6.00	Yes	No
South Dakota	4.50	Yes	Yes
Tennessee	7.00	Yes	Yes
Texas	6.25	Yes	Yes
Utah	6.10	Yes	Yes
Vermont	6.00	Yes	Yes
Virginia	5.30	Yes	No
Washington	6.50	Yes	Yes
West Virginia	6.00	Yes	No
Wisconsin	5.00	Yes	Yes
Wyoming	4.00	Yes	Yes

1/ The federal government is unable to levy any form of sales tax, including for internet sales, and would require a constitutional amendment in order to do so (such as with the Sixteenth Amendment that allows Congress to lay and collect taxes on incomes).

Source: WiseVoter, "Online Sales Tax by State" <<https://wisevoter.com/state-rankings/online-sales-tax-by-state/>> accessed July 12, 2023.

**Table 9.42-- REAL PROPERTY TAX VALUATIONS: 1990 TO 2023**

[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	
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
2021	410,493,400	(2/)	(2/)	355,060,241
2022	412,125,372	(2/)	(2/)	354,214,811
2023	454,669,273	(2/)	(2/)	394,272,228

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 2022-2023" <<https://www.realpropertyhonolulu.com/state-reports/>> accessed September 2, 2022; and earlier reports; and reports as the Department of Finance.

**Table 9.43-- REAL PROPERTY TAX VALUATION FOR THE STATE,  
2020 TO 2023, AND BY COUNTY, 2023**

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

<b>Subject</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Assessor's gross valuation 1/ 2/	398,492,093	410,493,400	412,125,372	454,669,273
Exemptions 1/	47,946,190	52,595,673	54,491,735	57,068,625
Assessor's net taxable valuation	350,545,903	357,897,727	357,633,638	397,600,648
Half of valuation on appeal	2,501,844	2,837,486	3,418,827	3,328,420
Number of appeals	3,621	3,259	3,362	4,158
Valuation for tax rate purposes	348,044,060	355,060,241	354,214,811	394,272,228
Amount to be raised by taxation	2,230,404	2,301,185	2,283,954	2,559,925
<b>2023, by county</b>	<b>Honolulu</b>	<b>Maui</b>	<b>Hawaii</b>	<b>Kauai</b>
Assessor's gross valuation 1/ 2/	305,265,268	67,367,314	52,108,023	29,928,669
Exemptions 1/	37,705,377	8,008,464	7,959,162	3,395,622
Assessor's net taxable valuation	267,559,891	59,358,850	44,148,861	26,533,046
Half of valuation on appeal	2,097,374	658,999	359,242	212,806
Number of appeals	1,699	1,334	797	328
Valuation for tax rate purposes	265,462,517	58,699,851	43,789,620	26,320,241
Amount to be raised by taxation	1,505,686	430,749	435,628	187,863

1/ Data have excluded nontaxable properties since 1993.

2/ 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. Assessed value for 2021 as of January 29, 2020 for Honolulu; February 28, 2020 for Kauai; April 16, 2020 for Hawaii; and April 17, 2020 for Maui County. Assessed value for 2022 as of January 28, 2021 for Honolulu; as of February 28, 2020 for Kauai; April 16, 2020 for Hawaii; and April 17, 2020 for Maui County. Assessed value for 2023 as of January 31, 2022 for Honolulu; as of February 22, 2022 for Kauai; April 18, 2022 for Hawaii; and April 28, 2022 for Maui County.

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 2022-2023", and individual county valuation reports <<https://www.realpropertyhonolulu.com/state-reports/>> accessed September 2, 2022; and earlier reports.

**Table 9.44-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE: 2022 AND 2023**

[For fiscal year ending June 30]

Type of exemption	2022		2023	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
All exemptions, Statewide	279,299	99,173,165	282,875	104,789,339
Affordable rental dwelling units (ADU)	-	-	-	-
Affordable rental housing units	(NA)	(NA)	-	-
Aina Kupuna	(NA)	(NA)	10	45,395
Alternate energy	13	430,133	(NA)	(NA)
Alternate/renewable energy	(NA)	(NA)	48	435,431
Alternate energy in lieu	(NA)	(NA)	1	1,236
Blind	293	8,699	266	7,876
Cemeteries	114	67,849	114	72,155
Charitable organizations	1,790	4,017,602	1,851	4,288,735
Childcare	13	650	12	600
Churches	1,589	3,399,341	1,577	3,607,755
Civil - condemnation	25	42,032	25	43,422
Commercial alternative energy	4	7,047	4	10,386
Consulates (formerly foreign consulates)	31	47,296	31	50,329
County government	4,097	8,895,641	4,105	9,527,249
Credit unions	140	360,950	138	369,067
Crop shelters	24	2,386	25	2,356
Deaf	114	3,644	110	3,582
Enterprise Zone	1	101	2	4,234
Federal government	648	11,961,550	650	12,707,962
Fire suppression	-	-	-	-
Forest reserve	5	6,693	5	9,874
Child care center, for-profit	14	19,571	14	19,203
Government leases - portion	140	56,304	128	63,130
Government leases - total	116	172,395	112	183,875
Hansen's (formerly Leprosy)	3	100	2	50
Hawaiian Homes - 7 year	208	130,156	176	134,498
Hawaiian Homes Commission	1,714	1,555,911	1,715	1,694,621
Hawaiian Homes Land - total land	6,609	3,004,969	6,645	3,408,247
Hawaiian Homes Land - basic	2,121	446,754	2,139	461,948
Hawaiian Homes Land - multiple	98	16,393	95	16,417
Hawaiian Homes Land - vacant land	292	30	292	30
Historic commercial properties	14	41,295	15	45,442
Historic residential properties	414	739,648	429	858,649

Continued on next page.

**Table 9.44-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE:  
2022 AND 2023 -- Con.**

Type of exemption	2022		2023	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
Homes - fee (basic)	207,956	27,389,359	212,260	28,248,044
Homes - fee (multiple)	19,437	3,003,684	15,791	2,386,508
Homes - leasehold (basic)	3,827	527,851	3,836	545,876
Homes - leasehold (multiple)	555	91,066	443	71,971
Hospitals	153	1,636,844	162	1,597,868
In lieu of home ex - fee	115	23,000	88	17,600
In lieu of home ex - lease	5	1,000	4	800
Income exemption	1,699	199,467	1,611	189,201
Industrial zone 50% exemption	73	77,607	73	81,024
Kuleana	146	105,038	146	112,938
Landscaping, open-space	25	19,618	25	23,838
Long-term owner rental	(NA)	(NA)	531	52,899
Long-term rental	(NA)	(NA)	2,369	466,264
Low-moderate income housing	399	3,357,604	415	3,700,818
Military (deployed) exemption	-	-	-	-
Miscellaneous	7	2,197	7	2,552
Child care center, non-profit	9	36,135	9	35,080
Public utilities	779	1,649,794	769	1,752,769
Remnant	15	16	15	16
Roadways and waterways	7,249	56,937	7,249	64,956
Safe room	66	2,640	66	2,640
Schools	215	1,650,325	224	1,722,364
Setbacks	1	639	1	669
Slaughterhouse	1	2,496	1	2,452
State government	8,302	21,455,910	8,249	22,566,385
Taro	28	87	25	23
Totally disabled	4,193	143,300	4,046	140,065
Totally disabled veterans	3,384	2,277,641	3,709	2,897,987
Tree farm	16	27,772	15	31,981

NA Not available.

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/state-reports/>> accessed September 2, 2022.



**Table 9.45-- REAL PROPERTY TAX VALUATION, BY LAND USE CLASS: 2023**

[In thousands of dollars. For fiscal year ending June 30. Assessed value for 2023 as of January 31, 2022 for Honolulu; as of February 22, 2022 for Kauai; April 18, 2022 for Hawaii; and April 28, 2022 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	454,669,273	397,600,648	394,272,228	2,559,925
Affordable rental 2/	439,647	439,109	438,783	2,699
Residential 2/ 3/ 4/	231,049,431	200,648,120	200,475,037	835,456
Residential A 3/	33,512,356	32,333,753	32,181,518	216,599
Bed/breakfast home 3/	-	-	-	-
Resid. non owner-occupied 5/	16,471,164	15,560,199	15,536,933	109,772
Apartment 2/ 5/	6,981,572	6,451,914	6,439,101	72,239
Commercial	34,830,529	29,764,757	29,130,101	333,988
Industrial	18,699,985	17,336,701	17,101,495	196,044
Agricultural/native forest	12,003,035	10,633,374	10,551,732	85,871
Vacant agricultural 3/	50,811	50,706	47,653	405
Conservation/preservation	1,563,772	1,341,996	1,276,659	9,839
Hotel/resort	24,474,269	24,397,855	22,540,391	293,419
Homeowner 2/	16,266,407	10,668,422	10,665,581	65,593
Resid. owner-occupied 5/	20,897,182	15,104,395	15,102,919	30,607
Homestead 4/	8,097,266	5,815,248	5,815,214	17,736
Public service 3/	1,248,987	-	-	-
Commercialized residential 5/	237,734	231,739	231,435	1,018
Vacation rental 4/	4,544,640	4,523,864	4,512,639	44,449
Time share 5/	2,846,030	2,846,030	2,812,982	41,070
Residential investor 4/	3,726,901	3,592,464	3,569,295	33,551
Commercialized home use 4/	1,676,496	1,276,508	1,276,352	6,446
Short term rental 5/	13,473,256	13,472,396	13,455,886	159,452
Long term rental 5/	1,577,804	1,111,100	1,110,523	3,672

1/ Excludes nontaxable properties.

2/ Category in use only in Hawaii County.

3/ Category in use only in City and County of Honolulu.

4/ Category in use only in Kauai County.

5/ Category in use only in Maui County.

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 2022-2023", and individual county valuation reports

<<https://www.realpropertyhonolulu.com/state-reports/>> accessed September 2, 2022.

**Table 9.46-- PRINCIPAL REAL PROPERTY TAXPAYERS, FOR THE CITY AND COUNTY OF HONOLULU: 2018 TO 2022**

[For fiscal year ending June 30. Assessed valuation as of January 30 of each year. Valuation at 100 percent of market value. Rank of 1 assigned to highest gross assessed value in 2022]

Rank	Taxpayer	Gross assessed value (\$1,000's)				
		2018	2019	2020	2021	2022
	Total assessed value	257,987,135	275,377,552	279,992,764	279,290,607	305,265,268
	Top 10 real property taxpayers	13,166,490	14,940,867	15,814,640	13,705,874	13,724,779
1	Kyo-Ya Company	2,140,375	2,449,141	2,640,523	2,119,733	2,219,044
2	Bishop Estate	2,008,976	2,238,194	2,406,447	2,060,586	2,203,067
3	General Growth Properties	2,023,422	2,275,389	2,496,983	2,009,219	2,162,727
4	Hilton, et al	1,868,590	2,180,194	2,171,248	2,108,225	1,768,119
5	Disney	1,313,804	1,369,929	1,376,588	1,288,057	1,245,869
6	Outrigger Enterprise Group	1,052,583	1,192,541	1,303,291	1,040,814	1,108,486
7	DEG, LLC	(1/)	927,039	993,261	947,902	916,205
8	A & B Properties	658,422	697,405	955,929	927,452	896,318
9	Ko Olina Hotel	648,296	729,760	679,272	658,179	615,786
10	MAPS Waikiki Hotel LLC	(1/)	(1/)	(1/)	545,707	587,158
(1/)	Howard Hughes	906,386	881,275	791,098	(1/)	(1/)
(1/)	Halekulani Corp.	545,636	(1/)	(1/)	(1/)	(1/)

1/ Not among the top 10 rankings for that year.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, *Annual Comprehensive Financial Report* (annual) <<https://www.honolulu.gov/cms-bfs-menu/site-bfs-sitearticles/6413-comprehensive-annual-financial-report.html>> accessed July 17, 2023.

**Table 9.47-- RESIDENTIAL PROPERTY TAX RATES IN HONOLULU AND THE MEDIAN OF 51 MAJOR CITIES: 1994 TO 2021**

Year	Effective tax rate per \$100 1/			Nominal tax rate per \$100	Assessment level (percent)
	Median 2/	Honolulu	Rank 3/		
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
2019	1.40	0.35	51	0.35	100.0
2020	1.31	0.35	51	0.35	100.0
2021	1.36	0.35	51	0.35	100.0

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.

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 for 1997 to 2021 <<https://ora-cfo.dc.gov/page/tax-burden-studies>> accessed May 17, 2023.

**Table 9.48-- REAL PROPERTY TAX RATES, BY COUNTY: 2023**

[In dollars per \$1,000 net taxable value. For fiscal year ending June 30]

Class	Honolulu 1/	Kauai 1/	Maui	Hawaii 2/
Affordable rental housing	(X)	(X)	(X)	6.15
Agricultural ('Agricultural or Native Forests' in Hawaii County)	5.70	6.75	5.74	9.35
Apartment	(X)	(X)	3.50	11.70
Bed and breakfast home	6.50	(X)	(X)	(X)
Commercial	12.40	8.10	6.05	10.70
Commercialized home use	(X)	5.05	(X)	(X)
Commercialized residential	(X)	(X)	4.40	(X)
Conservation	(X)	6.75	6.43	11.55
Homeowner	(X)	(X)	(X)	6.15
Homestead	(X)	3.05	(X)	(X)
Hotel and resort	13.90	10.85	11.75	11.55
Industrial	12.40	8.10	7.05	10.70
Long term rental Tier 1: Up to \$1.0 million	(X)	(X)	3.00	(X)
Tier 2: \$1.0 M. to \$3.0 million	(X)	(X)	5.00	(X)
Tier 3: More than \$3.0 million	(X)	(X)	8.00	(X)
Non-owner-occupied Tier 1: Up to \$1.0 million	(X)	(X)	5.85	(X)
Tier 2: \$1,000,001 to \$4.5 million	(X)	(X)	8.00	(X)
Tier 3: More than \$4.5 million	(X)	(X)	12.50	(X)
Owner-occupied Tier 1: Up to \$1.0 million	(X)	(X)	2.00	(X)
Tier 2: \$1,000,001 to \$3.0 million	(X)	(X)	2.10	(X)
Tier 3: More than \$3.0 million	(X)	(X)	2.71	(X)
Preservation	5.70	(X)	(X)	(X)
Public service	0.00	(X)	(X)	(X)
Residential	3.50	6.05	(X)	(X)
Residential A Tier 1 (1st \$ million value)	4.50	(X)	(X)	(X)
Tier 2 (in excess of \$1 million)	10.50	(X)	(X)	(X)
Residential investor	(X)	9.40	(X)	(X)
Residential: In excess of \$2 million	(X)	(X)	(X)	13.60
Residential: Up to \$2 million	(X)	(X)	(X)	11.10
Short term rental Tier 1: Up to \$1.0 million	(X)	(X)	11.85	(X)
Tier 2: \$1.0 M. to \$3.0 million	(X)	(X)	11.85	(X)
Tier 3: More than \$3.0 million	(X)	(X)	11.85	(X)
Time share	(X)	(X)	14.60	(X)
Vacant agricultural	8.50	(X)	(X)	(X)
Vacation rental	(X)	9.85	(X)	(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/ Hawaii has the same rate for 'Building' and 'Land' where assessment is separately determined and applied.

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, 2022 to June 30, 2023" <<https://www.realpropertyhonolulu.com/state-reports/>> accessed September 2, 2022.

**Table 9.49-- FEDERAL EXPENDITURES IN HAWAII: 1983 TO 2010**

[For fiscal years ending September 30. In thousands of dollars and percent]

Year	Total direct expenditures or obligations	Percent change from previous year	Year	Total direct expenditures or obligations	Percent change from previous year
1983	4,013,543	(NA)	1997	8,159,285	2.1
1984	4,140,182	3.2	1998	8,449,229	3.6
1985	4,575,478	10.5	1999	8,659,684	2.5
1986	4,646,930	1.6	2000	9,036,388	4.4
1987	4,811,882	3.5	2001	9,728,839	7.7
1988	5,064,944	5.3	2002	10,474,798	7.7
1989	5,570,896	10.0	2003	11,269,306	7.6
1990	5,633,927	1.1	2004	12,176,350	8.0
1991	6,198,142	10.0	2005	12,699,321	4.3
1992	6,636,322	7.1	2006	13,495,147	6.3
1993	7,283,475	9.8	2007	14,061,883	4.2
1994	7,643,718	4.9	2008	15,009,273	6.7
1995	7,449,512	-2.5	2009	18,985,405	26.5
1996	7,990,275	7.3	2010	20,855,223	9.8

NA Not available.

Source: U.S. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year, State and County Areas* (annual); Ibid. On-Line Query System (1993-2010) <<http://www.census.gov/govs/cffr/index.html>> accessed July 13, 2011; and Ibid. Governments Division unpublished tabulation (January 11, 2005).

**Table 9.50-- FEDERAL EXPENDITURES IN HAWAII, BY TYPE: 1983 TO 2010**

[In millions of dollars. For fiscal year ending September 30]

Year	Total direct expenditures or obligations	Retirement & disability payments for individuals	Other direct payments for individuals	Direct payments for other than individuals	Grants - block, formula, project, & cooperative agreements	Procurement contracts	Salaries & wages
1983	4,013.5	961.2	291.8	14.9	475.1	534.5	1,735.9
1984	4,140.2	1,023.4	297.9	49.9	383.0	577.4	1,808.6
1985	4,575.5	1,108.1	336.1	48.4	468.0	672.4	1,942.4
1986	4,646.9	1,175.2	342.0	49.4	500.7	619.0	1,960.7
1987	4,811.9	1,260.0	357.5	55.8	540.6	525.0	2,073.1
1988	5,064.9	1,346.9	368.2	67.7	613.3	591.2	2,077.7
1989	5,570.9	1,453.3	431.1	70.1	707.3	624.3	2,284.9
1990	5,633.9	1,538.1	520.7	79.1	783.0	547.3	2,165.8
1991	6,198.1	1,660.2	589.8	83.2	786.2	760.9	2,317.9
1992	6,636.3	1,735.5	772.7	90.2	974.5	694.9	2,368.6
1993	7,283.5	1,842.6	825.3	130.9	1,357.2	742.5	2,385.0
1994	7,643.7	1,970.5	852.0	122.5	1,295.0	905.4	2,498.3
1995	7,449.5	2,043.3	1,069.2	57.4	1,192.1	777.3	2,310.2
1996	7,990.3	2,138.5	1,099.1	101.3	1,215.4	1,027.4	2,408.6
1997	8,159.3	2,261.9	1,127.6	105.8	1,256.1	1,077.3	2,330.5
1998	8,449.2	2,348.4	1,078.8	101.9	1,310.3	1,052.6	2,557.2
1999	8,659.7	2,430.5	1,077.7	122.4	1,451.7	1,141.4	2,436.1
2000	9,036.4	2,582.9	1,069.7	128.5	1,532.5	1,293.8	2,429.0
2001	9,728.8	2,798.7	1,132.5	142.1	1,663.7	1,466.9	2,525.0
2002	10,474.8	2,899.3	1,305.6	129.1	1,836.1	1,621.2	2,683.5
2003	11,269.3	3,014.1	1,344.9	157.3	1,911.0	1,978.4	2,863.7
2004	12,176.3	3,202.2	1,403.2	203.4	2,147.6	2,066.0	3,153.9
2005	12,699.3	3,318.7	1,474.1	178.1	2,167.9	2,322.3	3,238.4
2006	13,495.1	3,533.6	1,574.8	215.6	2,312.3	2,147.8	3,711.0
2007	14,061.9	3,752.4	1,590.7	321.5	2,452.4	2,327.7	3,617.3
2008	15,009.3	3,872.8	1,903.1	361.7	2,282.9	2,455.9	4,132.8
2009	18,985.4	4,221.6	2,341.5	275.1	3,261.1	2,729.8	6,156.3
2010	20,855.2	4,368.4	2,462.8	356.1	3,025.6	2,744.8	7,897.6

Source: U.S. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year, State and County Areas* (annual); Ibid. On-Line Query System (1993-2010) <<http://www.census.gov/govs/cffr/index.html>> accessed September 27, 2011; and Ibid. Governments Division unpublished tabulation (January 11, 2005).

**Table 9.51- PER CAPITA DIRECT FEDERAL EXPENDITURE IN 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/ Data had been revised in *Data Book 2011* to reflect September 27, 2011 revisions to the U.S. Department and Human Services data. The revisions are not represented in the PDF version of the publication, but had been available via the On-Line Query System and downloads but the Census Bureau has since discontinued access.

4/ The Census Bureau did not revise Tables 10, 12 or 14 so revised rankings are not readily available.

Source: U.S. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year, State and County Areas* (annual), tables 10, 12 and 14 and Ibid. On-Line Query System (1993-2010)

<<http://www.census.gov/govs/cffr/index.html>> accessed June 15, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.52-- DIRECT FEDERAL EXPENDITURES OR OBLIGATIONS,  
BY COUNTY: 2010**

[In persons and thousands of dollars. For fiscal year ending September 30]

Category	State Total	City and County of Honolulu	Hawaii County	Maui County 1/	Kauai County	State undistributed
Resident population (as of July 1, 2010)	1,360,301	953,207	185,079	154,924	67,091	-
Total direct exp. or oblig.	20,855,223	17,392,945	1,258,859	772,374	523,662	907,383
Retirement/disability payments for individuals	4,368,434	3,218,457	581,408	374,912	193,579	78
Other direct payments for individuals	2,462,760	1,397,696	275,855	171,635	97,334	520,241
Direct payments other than for individuals	356,058	122,600	6,859	6,868	1,554	218,176
Grants (block, formula, project, & cooperative agreements)	3,025,551	2,409,312	242,374	129,200	77,935	166,731
Procurement contracts	2,744,816	2,568,145	47,551	22,960	106,161	-
Salaries and wages	7,897,604	7,676,736	104,812	66,800	47,099	2,157
Exhibit: Total direct expenditures or obligations	20,855,223	17,392,945	1,258,859	772,374	523,662	907,383
Defense	9,994,953	9,735,818	90,543	33,615	132,821	2,157
Non-defense	10,860,270	7,657,128	1,168,316	738,759	390,841	905,226
Addendum: Other federal assistance	13,444,838	8,484,937	1,078,552	2,619,264	1,095,133	166,952
Direct loans	200,495	121,044	27,774	44,850	3,827	3,000
Guaranteed/insured loans	1,370,455	904,052	128,339	154,021	144,775	39,268
Insurance	11,873,888	7,459,840	922,440	2,420,392	946,531	124,684

1/ Includes Kalawao County.

Source: U.S. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year 2010, State and County Areas* (September 2011) <<http://www.census.gov/govs/cffr/>> and On-Line Query System <<http://harvester.census.gov/cffr/>> accessed September 23, 2011.



**Table 9.53-- FEDERAL SPENDING FOR HAWAII AND THE UNITED STATES, TOTAL AND PER CAPITA, BY TYPE: 2015**

[For fiscal year ending September 30]

<b>Category</b>	<b>Hawaii</b>	<b>United States</b>	<b>Hawaii as percent of U.S.</b>
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".

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 9.54-- FEDERAL GOVERNMENT GRANTS TO STATE AND LOCAL GOVERNMENT, BY AGENCY AND BUDGET STATUS: 2022**

[In thousands of dollars. For fiscal year ending September 30]

Awarding agency	Funding amount 1/	Obligated amount 2/	Outlayed amount 3/
Total	10,030,432	9,551,933	4,193,507
Corporation for National and Community Service	37,761	17,830	6,483
Department of Agriculture	521,528	508,470	305,150
Department of Commerce	69,945	48,146	-
Department of Defense	269,972	222,553	-
Department of Education	457,549	452,548	250,986
Department of Energy	7,998	5,616	1,775
Department of Health and Human Services	5,804,859	5,804,859	2,677,267
Department of Homeland Security	519,522	519,122	-
Department of Housing and Urban Development	137,395	137,395	83,747
Department of Justice	38,994	38,884	3,594
Department of Labor	186,834	186,834	116,987
Department of the Interior	170,652	110,931	52,704
Department of Veterans Affairs	1,581,504	1,302,173	633,439
Election Assistance Commission	6,536	6,536	3,402
Environmental Protection Agency	134,265	108,622	18,201
Executive Office of the President	9,963	9,963	6,384
Institute of Museum and Library Services	7,300	4,477	2,650
National Aeronautics and Space Administration	63,037	63,037	28,365
National Endowment for the Arts	970	970	561
Small Business Administration	3,848	2,966	1,813

1/ Funding amount, or budget authority, is the amount of money available to a federal agency for a specific purpose. The authority to commit to spending federal funds is provided to agencies by law.

2/ Once funding, or budget authority, has been provided for a given purpose, an agency can incur an obligation which is a legally binding commitment, for example, by awarding a grant to provide services that will increase the quantity and quality of locally grown food in hawaii s geographically isolated, food insecure communities.

3/ Outlays occur when a federal agency issues checks, disburses cash, or makes electronic transfers to liquidate (or settle) an obligation, for example, when a federal agency deposits grant funds into recipients' accounts.

Source: USASpending, "Hawaii State Profile" <<https://www.usaspending.gov/state/hawaii/latest>> and Advanced Search <<https://www.usaspending.gov/search>> accessed July 31, 2023; and calculations by Hawaii State Department of Business, Economic Development, & Tourism.

**Table 9.55-- FEDERAL AWARD EXPENDITURES BY HAWAII STATE GOVERNMENT: 2001 TO 2023**

[For fiscal year ending June 30, unless otherwise noted. In thousands of dollars]

Year	Total	Year	Total	Year	Total
2001	1,234,481	2009	2,195,508	2017	2,922,787
2002	1,353,397	2010	2,732,260	2018	2,994,878
2003	1,532,304	2011	2,891,802	2019	2,879,695
2004	1,659,913	2012	2,297,802	2020	3,202,157
2005	1,828,619	2013	2,311,719	2021	4,567,791
2006	1,859,707	2014	2,570,901	2022	5,433,122
2007	1,925,129	2015	2,650,112	2023	1/ 4,327,744
2008	2,018,873	2016	2,943,260		

1/ University of Hawaii expenditures not yet available.

Source: State of Hawaii Financial Accounting Management and Information System (FAMIS).

**Table 9.56-- FEDERAL PROCUREMENT CONTRACTS AWARDED, BY SELECTED TYPE OF BUSINESS AND BY COUNTY: 2022**

[In thousands of dollars unless otherwise indicated. Fiscal year ending September 30. Contracts are for Hawaii as the 'Place of Performance' or 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. Components and subtotals may be shown individually so sum is greater than published total. Negative values may reflect refunds, or other contract adjustments. Data extracted from the dynamic database at a later date may result in change in one or more items]

Type of selected business	State total	Honolulu	Kauai	Hawaii	Maui	Kalawao
Total actions	55,738	48,222	1,525	4,661	1,308	22
Share of state total	100.0	86.5	2.7	8.4	2.3	0.0
Total dollars	3,516,707	3,296,823	98,049	89,203	31,180	1,451
Share of state total	100.0	93.7	2.8	2.5	0.9	0.0
Small business	1,625,400	1,475,457	95,054	42,447	11,289	1,153
Small business as share of total (%)	46.2	44.8	96.9	47.6	36.2	79.4
Small disadvantaged business	867,599	763,223	82,922	13,608	7,509	338
Women-owned business	205,860	190,506	6,095	7,111	1,855	292
HUBZone 1/	173,933	162,248	242	8,799	2,645	-
Veteran-owned	273,816	269,824	2,802	576	516	98
Service-disabled veteran-owned	219,451	216,078	2,695	265	381	32
8(a) firm	596,394	506,684	80,505	3,092	6,113	-
The AbilityOne Program 2/	27,678	27,610	-	68	-	-
HBCU 3/	-	-	-	-	-	-
Educational institutions	40,549	40,549	-	-	-	-
Asian Pacific	609,894	586,000	924	22,302	661	8
Minority institutions	-	-	-	-	-	-
Local government	632	633	-	-1	-	-
State government	50,941	50,941	-	-	-	-
U.S. Tribal government	-	-	-	-	-	-
American Indian	43,638	42,358	1,281	-	-	-
Native American	456,223	367,617	81,868	1,011	5,727	-
Indian tribe 4/	323	323	-	-	-	-
Native Hawaiian Organization-owned	243,273	160,883	78,053	889	3,432	16
Tribally-owned	27,163	27,090	-89	161	-	-
Alaskan Native-owned	166,366	161,793	1,451	161	2,960	-
Asian Indian	93,541	83,034	-	10,444	63	-
Minority-owned	1,174,585	1,049,977	82,826	34,790	6,940	51
Black-owned	25,910	25,300	85	508	17	-
Hispanic-owned	54,414	54,270	-	40	80	24
Non-profit organization	33,218	31,562	62	68	1,526	-
Emerging small business	915	915	-	-	-	-
Hospital	67	4	-	-	63	-

Continued on next page.

**Table 9.56-- FEDERAL PROCUREMENT CONTRACTS AWARDED, BY SELECTED TYPE OF BUSINESS AND BY COUNTY: 2022**

- 1/ HUBZone Historically underutilized business zone.
- 2/ Formerly known as the Javits-Wagner-O'Day Act.
- 3/ HBCU Historically Black Colleges and Universities.
- 4/ Federally recognized.

Source: Federal Procurement Data System - Next Generation, Geographic Report by Place of Performance, FY 2022 <<https://www.fpds.gov/common/jsp/FPDSPublic.jsp>> accessed July 9, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 9.57-- FEDERAL GOVERNMENT PROCUREMENT CONTRACT PRIME AWARDS, 2008 TO 2022 AND TOP 5 PRIME RECIPIENTS: 2020 TO 2022**

[Fiscal year ending September 30. For discussion of the USASpending.gov mandates, data sources quality, and reporting requirements, see <<https://www.usaspending.gov/about>>]

Prime awards 1/			Prime awards 1/		
Year	Amount (\$1,000)	Number	Year	Amount (\$1,000)	Number
2008	2,487,387	24,673	2016	2,190,327	22,650
2009	2,660,769	18,792	2017	2,041,844	17,515
2010	2,707,733	19,789	2018	2,316,060	30,161
2011	3,114,130	19,103	2019	2,535,829	27,108
2012	2,813,593	17,878	2020	2,826,857	26,439
2013	1,904,173	15,393	2021	2,823,582	33,285
2014	2,431,093	15,957	2022	3,516,707	38,676
2015	1,969,346	24,556			

Year	Rank	Recipient	Amount (\$M.)
2020	1	Nan, Inc.	190.88
	2	Hensel Phelps Construction Co.	119.44
	3	Vigor Shipyards, Inc.	89.34
	4	Smartronix, LLC	83.49
	5	Manu Kai, LLC	66.05
2021	1	Hensel Phelps Construction Co.	212.68
	2	Smartronix, LLC	107.84
	3	Vigor Marine	81.13
	4	MNDPI Pacific JV	69.27
	5	TNT Constructors	58.54
2022	1	Smartronix, LLC	230.13
	2	Hensel Phelps Construction Co.	186.93
	3	Aecom Technical Services, Inc.	143.30
	4	Nan, Inc.	121.90
	5	Koa Lani JV LLC	78.96

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.

Source: USASpending, "State Profile Hawaii" (FY2008 to FY2014) <<https://www.usaspending.gov/state>> accessed August 8, 2017; "State Profile Hawaii" (FY2015 to FY 2021) <<https://www.usaspending.gov/state>> accessed July 10, 2022; "Custom Award Data: Hawaii" (FY2015 to FY2021) <[https://www.usaspending.gov/download\\_center/custom\\_award\\_data](https://www.usaspending.gov/download_center/custom_award_data)> accessed July 10, 2022; and "State Profile Hawaii" (FY2022) <<https://www.usaspending.gov/state>> and "Custom Award Data: Hawaii" (FY2022) <[https://www.usaspending.gov/download\\_center/custom\\_award\\_data](https://www.usaspending.gov/download_center/custom_award_data)> accessed July 19, 2023.

**Table 9.58-- 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
<b>Hawaii</b>	<b>1.26</b>	<b>1.44</b>	<b>0.18</b>	<b>15</b>	<b>12</b>
Idaho	1.14	1.21	0.07	20	20
Illinois	0.74	0.75	0.01	47	45
Indiana	0.84	1.05	0.21	42	30
Iowa	1.06	1.10	0.04	26	24
Kansas	1.05	1.12	0.07	27	22
Kentucky	1.28	1.51	0.23	13	9
Louisiana	1.35	1.78	0.43	7	4
Maine	1.30	1.41	0.11	9	13
Maryland	1.27	1.30	0.03	14	18
Massachusetts	0.92	0.82	-0.10	39	40
Michigan	0.77	0.92	0.15	45	37
Minnesota	0.78	0.72	-0.06	44	46
Mississippi	1.54	2.02	0.48	3	2
Missouri	1.29	1.32	0.03	12	17
Montana	1.46	1.47	0.01	6	11
Nebraska	1.01	1.10	0.09	30	25
Nevada	0.73	0.65	-0.08	48	49
New Hampshire	0.75	0.71	-0.04	46	47
New Jersey	0.68	0.61	-0.07	49	50
New Mexico	1.85	2.03	0.18	1	1

Continued on next page.

**Table 9.58-- 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 9.59-- ADJUSTED FEDERAL EXPENDITURES PER DOLLAR  
OF TAXES: 1995 TO 2005**

[For fiscal year ending September 30]

State	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	1.31	1.33	1.37	1.39	1.43	1.50	1.54	1.58	1.65	1.67	1.66
Alaska	1.21	1.27	1.34	1.36	1.48	1.57	1.57	1.74	1.79	1.84	1.84
Arizona	1.13	1.11	1.08	1.10	1.16	1.17	1.14	1.20	1.22	1.23	1.19
Arkansas	1.22	1.24	1.29	1.31	1.33	1.39	1.46	1.51	1.43	1.45	1.41
California	0.94	0.93	0.92	0.90	0.87	0.81	0.82	0.82	0.79	0.80	0.78
Colorado	0.95	0.96	0.91	0.91	0.88	0.84	0.82	0.80	0.84	0.83	0.81
Connecticut	0.68	0.69	0.67	0.70	0.70	0.66	0.67	0.67	0.69	0.70	0.69
Delaware	0.85	0.85	0.84	0.85	0.89	0.88	0.85	0.83	0.79	0.77	0.77
Dist. of Col.	5.39	5.38	5.18	5.05	5.25	4.90	5.28	5.74	6.18	6.28	5.55
Florida	1.07	1.08	1.07	1.05	1.06	1.08	1.04	0.99	1.00	0.96	0.97
Georgia	0.96	0.97	0.97	0.97	0.98	1.00	1.02	1.02	0.98	0.98	1.01
<b>Hawaii</b>	<b>1.26</b>	<b>1.38</b>	<b>1.41</b>	<b>1.47</b>	<b>1.48</b>	<b>1.46</b>	<b>1.49</b>	<b>1.50</b>	<b>1.49</b>	<b>1.51</b>	<b>1.44</b>
Idaho	1.14	1.15	1.16	1.22	1.19	1.22	1.25	1.32	1.28	1.23	1.21
Illinois	0.74	0.75	0.77	0.78	0.79	0.81	0.80	0.77	0.73	0.74	0.75
Indiana	0.84	0.89	0.92	0.93	0.94	0.99	1.02	0.98	0.95	0.98	1.05
Iowa	1.06	1.08	1.06	1.12	1.18	1.11	1.20	1.21	1.04	1.11	1.10
Kansas	1.05	1.03	1.02	1.07	1.12	1.07	1.16	1.12	1.10	1.11	1.12
Kentucky	1.28	1.28	1.33	1.36	1.32	1.38	1.38	1.45	1.52	1.48	1.51
Louisiana	1.35	1.29	1.32	1.28	1.38	1.42	1.43	1.45	1.49	1.57	1.78
Maine	1.30	1.32	1.33	1.33	1.30	1.26	1.23	1.30	1.37	1.40	1.41
Maryland	1.27	1.25	1.24	1.30	1.28	1.27	1.24	1.28	1.30	1.37	1.30
Massachusetts	0.92	0.91	0.90	0.89	0.87	0.80	0.80	0.82	0.83	0.82	0.82
Michigan	0.77	0.78	0.82	0.83	0.84	0.87	0.90	0.88	0.85	0.87	0.92
Minnesota	0.78	0.76	0.80	0.81	0.83	0.83	0.80	0.77	0.68	0.68	0.72
Mississippi	1.54	1.61	1.56	1.54	1.60	1.73	1.82	1.83	1.82	1.82	2.02
Missouri	1.29	1.40	1.24	1.24	1.24	1.27	1.30	1.33	1.34	1.34	1.32
Montana	1.46	1.49	1.54	1.55	1.70	1.57	1.61	1.60	1.53	1.52	1.47
Nebraska	1.01	1.00	1.02	1.05	1.09	1.15	1.19	1.20	1.06	1.08	1.10
Nevada	0.73	0.78	0.73	0.75	0.74	0.77	0.75	0.71	0.66	0.62	0.65
New Hampshire	0.75	0.75	0.74	0.76	0.73	0.71	0.71	0.70	0.67	0.69	0.71
New Jersey	0.68	0.69	0.71	0.71	0.70	0.69	0.65	0.61	0.57	0.57	0.61
New Mexico	1.85	1.85	1.83	1.85	1.89	2.08	1.93	2.07	2.17	2.18	2.03
New York	0.87	0.86	0.86	0.87	0.87	0.88	0.81	0.82	0.82	0.82	0.79
North Carolina	0.95	1.01	1.01	1.01	1.02	1.07	1.07	1.06	1.06	1.06	1.08
North Dakota	1.47	1.37	1.58	1.52	1.62	1.77	1.90	1.96	1.66	1.65	1.68
Ohio	0.97	0.97	0.97	0.97	0.98	1.03	1.03	1.01	1.01	1.02	1.05
Oklahoma	1.30	1.32	1.33	1.36	1.41	1.44	1.43	1.46	1.45	1.41	1.36
Oregon	0.95	0.95	0.94	0.97	0.97	0.97	0.99	0.97	0.97	0.98	0.93
Pennsylvania	1.05	1.04	1.05	1.05	1.06	1.07	1.08	1.07	1.07	1.07	1.07

Continued on next page.

**Table 9.59-- 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 9.60-- ADJUSTED FEDERAL EXPENDITURES PER DOLLAR  
OF TAXES RANKING: 1995 TO 2005**

[For fiscal year ending September 30. Rank of 1 indicates highest ratio]

State	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	8	9	8	8	9	7	7	7	6	5	7
Alaska	17	15	10	11	6	5	6	3	3	2	3
Arizona	21	21	22	23	21	21	24	23	21	20	21
Arkansas	16	17	15	14	13	13	11	9	14	13	14
California	38	38	37	39	41	44	42	42	43	43	43
Colorado	34	35	39	37	38	42	41	44	39	40	41
Connecticut	50	49	50	50	49	50	49	49	46	46	48
Delaware	41	42	43	43	37	38	40	40	44	44	44
Dist. of Col.	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Florida	24	23	23	27	28	26	31	33	32	34	34
Georgia	33	32	32	33	33	33	33	31	34	33	32
<b>Hawaii</b>	<b>15</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>10</b>	<b>12</b>
Idaho	20	19	19	19	19	19	17	16	19	21	20
Illinois	47	48	46	46	46	45	46	46	45	45	45
Indiana	42	40	38	35	35	34	34	34	36	32	30
Iowa	26	24	24	21	20	24	21	21	30	25	24
Kansas	27	28	27	24	24	30	23	24	25	24	22
Kentucky	13	13	12	10	14	14	14	12	9	11	9
Louisiana	7	12	14	16	11	11	13	13	11	8	4
Maine	9	11	11	13	15	18	20	17	15	14	13
Maryland	14	16	16	15	16	16	18	19	18	16	18
Massachusetts	39	39	40	40	39	46	44	43	40	42	40
Michigan	45	44	44	44	44	40	37	38	38	38	37
Minnesota	44	46	45	45	45	43	45	45	47	48	46
Mississippi	3	2	4	4	4	3	3	3	2	3	2
Missouri	12	6	17	17	17	17	16	15	16	18	17
Montana	6	4	5	3	2	6	5	6	8	9	11
Nebraska	30	30	28	28	25	23	22	22	28	26	25
Nevada	48	45	48	48	47	47	47	47	49	49	49
New Hampshire	46	47	47	47	48	48	48	48	18	47	47
New Jersey	49	50	49	49	50	49	50	50	50	50	50
New Mexico	1	1	1	1	1	1	1	1	1	1	1
New York	40	41	41	41	42	39	43	41	42	41	42
North Carolina	36	29	30	31	31	28	30	28	27	19	27
North Dakota	5	8	3	5	3	2	2	2	5	6	6
Ohio	32	33	33	32	32	32	32	32	31	32	31
Oklahoma	11	10	13	9	10	10	12	11	13	15	15
Oregon	35	36	35	34	34	35	35	35	35	36	36
Pennsylvania	28	26	25	26	29	29	29	27	26	27	28

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**Table 9.60-- 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 9.61-- PUBLIC BONDED DEBT OF STATE AND COUNTY GOVERNMENTS: 1994 TO 2021**

[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							
1994	6,913.5	5,015.4	1,898.1	1,544.6	185.1	119.5	49.0
1995	7,078.1	5,126.1	1,952.0	1,604.0	188.4	114.1	45.5
1996	7,098.6	5,051.3	2,047.3	1,669.8	194.3	143.5	39.8
1997	7,239.3	5,258.1	1,981.2	1,616.2	188.2	139.0	37.8
1998	7,808.0	5,773.6	2,034.4	1,639.2	223.8	133.2	38.3
1999	7,768.4	5,582.6	2,185.8	1,788.6	235.1	126.4	35.7
2000	8,023.2	5,745.2	2,278.0	1,831.6	236.8	149.3	60.4
2001	7,855.2	5,471.6	2,383.6	1,932.7	234.9	141.2	74.8
2002	8,856.6	6,072.0	2,784.6	2,312.1	246.3	155.9	70.2
2003	8,861.0	5,793.8	3,067.2	2,592.3	243.0	165.6	66.2
U.S. Census Bureau: debt outstanding							
2000	7,909.0	5,592.2	2,316.8	(NA)	(NA)	(NA)	(NA)
2001	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)
2002	8,448.3	5,656.3	2,791.9	(NA)	(NA)	(NA)	(NA)
2003	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)
2004	9,106.5	5,746.2	3,360.3	(NA)	(NA)	(NA)	(NA)
2005	9,292.1	5,844.3	3,447.8	(NA)	(NA)	(NA)	(NA)
2006	9,504.0	5,791.8	3,712.2	(NA)	(NA)	(NA)	(NA)
2007	10,431.5	6,242.4	4,189.1	(NA)	(NA)	(NA)	(NA)
2008	10,733.6	6,296.5	4,437.1	(NA)	(NA)	(NA)	(NA)
2009	11,495.0	6,880.2	4,614.7	(NA)	(NA)	(NA)	(NA)
2010	12,634.4	7,700.7	4,933.8	(NA)	(NA)	(NA)	(NA)
2011	13,377.0	7,912.8	5,464.2	(NA)	(NA)	(NA)	(NA)
2012	14,025.0	8,398.0	5,627.0	(NA)	(NA)	(NA)	(NA)
2013	14,447.3	8,318.4	6,128.9	(NA)	(NA)	(NA)	(NA)
2014	14,233.9	8,426.6	5,807.3	(NA)	(NA)	(NA)	(NA)
2015	14,796.6	8,757.7	6,038.9	(NA)	(NA)	(NA)	(NA)
2016	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)
2018	17,139.1	9,971.1	7,167.9	(NA)	(NA)	(NA)	(NA)
2019	17,426.5	10,001.8	7,424.7	(NA)	(NA)	(NA)	(NA)
2020 3/	17,148.6	9,431.9	7,716.7	(NA)	(NA)	(NA)	(NA)
2021	19,704.3	11,521.0	8,183.3	(NA)	(NA)	(NA)	(NA)

Continued on next page.

**Table 9.61-- PUBLIC BONDED DEBT OF STATE AND COUNTY  
GOVERNMENTS: 1994 TO 2021 -- Con.**

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/ 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; 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 June 26, 2023.

**Table 9.62-- STATE GENERAL OBLIGATION BOND DEBT: 1990 TO 2022**

[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)
2020	(NA)	7,294,070	(NA)	(NA)
2021	(NA)	8,870,454	(NA)	(NA)
2022	(NA)	9,041,510	(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 29, 2023.

**Table 9.63-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2022**

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	114,500	30,100	67,300	17,100	(NA)	63,408
2002	117,900	30,700	70,100	17,100	(NA)	66,043
2003	119,100	31,600	70,600	16,900	(NA)	66,442
2004	120,100	31,500	71,500	17,100	24,038	67,074
2005	119,600	31,300	71,200	17,200	23,828	68,011
2006	121,300	31,800	72,000	17,500	26,013	69,233
2007	122,100	31,800	72,400	17,900	(NA)	70,805
2008	125,000	32,200	74,300	18,500	(NA)	72,436
2009	125,700	33,300	73,700	18,700	(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	125,600	33,700	73,000	18,900	21,594	75,520
2019	126,200	34,300	72,900	19,000	20,116	75,704
2020	6/ 121,100	6/ 35,100	6/ 67,300	6/ 18,700	20,049	75,954
2021	6/ 120,200	6/ 34,700	6/ 66,900	6/ 18,600	19,012	74,572
2022	6/ 120,800	6/ 34,700	6/ 67,600	6/ 18,500	18,694	73,265

Continued on next page.



**Table 9.63-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2022 -- Con.**

NA Not available.

1/ Data are annual averages and rounded to nearest 100 for 1990-2000 and 2010-current, and to 50 for 2001-2009. Totals may not add due to rounding.

2/ Calendar year through 1960 and fiscal year ending June 30 thereafter. State or Territorial workers in civil service system. Data exclude county employees, also covered by civil service.

3/ Period ending June 30 through 1960, ending March 31, 1961 through 2011, and ending 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/ 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. Data availability resumed in 2004.

6/ Benchmarked by Hawaii Department of Business, Economic Development & Tourism in March 2023.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii*, pp. 616-617; *Data Book 1978*, p. 158; Hawaii State Department of Business, Economic Development & Tourism, *Labor Force Data Book* (annual) and for 1990-2021 "Job Count by Industry" <<http://dbedt.hawaii.gov/economic/job-count-by-industry/>> accessed June 28, 2022; 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 April 4, 2023 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 April 4, 2023; and records.

**Table 9.64-- FEDERAL GOVERNMENT EMPLOYMENT, BY AGENCY: 2018 TO 2022**

[Fiscal year ending September 30. Excludes the U.S. Postal Service. Individual state totals exclude the Federal Bureau of Investigation and Drug Enforcement Agency. Detail may not sum to agency total]

Agency	2018	2019	2020	2021	2022
TOTAL	1/ 22,561	1/ 23,272	1/ 23,515	1/ 23,723	1/ 23,784
Cabinet-level	22,310	23,027	23,261	23,482	23,528
Agriculture	724	775	803	793	840
Commerce	406	413	426	469	432
Defense	18,187	18,669	18,797	18,824	18,735
Air Force	1,486	1,365	1,269	1,183	1,152
Army	5,010	5,003	4,922	4,976	2,879
Other Defense	1,191	1,218	1,228	1,183	3,396
Navy/Marine Corps	10,500	11,083	11,378	11,482	11,308
Justice	1/ 140	1/ 151	1/ 149	1/ 96	1/ 98
U.S. Marshall's Service	(1/)	(1/)	(1/)	(1/)	(1/)
Prisons	1/ 71	1/ 83	1/ 85	1/ 82	1/ 81
U.S. Attorney	55	54	50	(1/)	(1/)
Labor	28	26	29	28	27
Energy	(1/)	(1/)	(1/)	(1/)	(1/)
Education	(1/)	(1/)	(1/)	(1/)	(1/)
Health & Human Services	147	143	110	142	147
Homeland Security 2/	1/ 283	1/ 265	1/ 277	1/ 304	1/ 287
U.S. Coast Guard	116	115	116	129	122
Immig. & Customs Enf.	1/ 16	(1/)	(1/)	1/ 14	(1/)
Customs & Border Prot.	(1/)	(1/)	(1/)	(1/)	(1/)
Trans. Security Admin.	1/ 87	1/ 78	1/ 79	1/ 84	1/ 79
FEMA	46	53	67	73	67
Housing & Urban Dev.	20	18	23	23	22
Interior	562	576	583	632	647
National Park Service	338	329	348	385	397
State	17	17	20	19	21
Transportation	380	373	372	380	370
Fed. Aviation Admin.	363	352	353	360	352
Fed. Highways Admin.	14	17	15	15	13
Treasury	1/ 34	1/ 34	1/ 36	1/ 30	1/ 37
Internal Revenue Service	1/ 34	1/ 34	1/ 36	1/ 30	1/ 35
Veterans Affairs	1,379	1,566	1,636	1,741	1,861
Veterans Benefits Admin.	94	96	100	92	112
National Cemetery Admin.	21	27	29	25	24
Veterans Health Admin.	1,230	1,415	1,469	1,586	1,683
Independent agencies 3/	(1/)	(1/)	(1/)	(1/)	(1/)
Large	245	240	250	234	250
General Services Admin.	40	38	47	43	51
Social Security Admin.	137	136	128	124	130
Medium	(1/)	(1/)	(1/)	(1/)	(1/)
Small	(1/)	(1/)	(1/)	(1/)	(1/)

Continued on next page.

**Table 9.64-- FEDERAL GOVERNMENT EMPLOYMENT, BY AGENCY:  
2018 TO 2022 -- Con.**

1/ May reflect counts lower-than-historical due to categories newly suppressed for security, or for counts fewer than 12.

2/ New agency as of November 25, 2002.

3/ At the OPM total-level '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 <<https://www.fedscope.opm.gov/employment.asp>> FY2018 to FY2020 accessed July 28, 2021, FY2021 accessed on July 11, 2022, FY2022 accessed on April 13, 2023, and records.

**Table 9.65-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:  
MARCH 2022**

[In number of jobs and 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	84,276	67,323	16,953	72,230	411,917,033	389,955,832	21,961,201
Financial administration	1,827	1,807	20	1,812	10,037,137	10,016,694	20,443
Other government administration	2,469	2,062	407	2,197	12,821,053	12,119,009	702,044
Judicial and legal	3,128	3,052	76	3,081	20,046,220	19,563,253	482,967
Police protection	4,378	4,288	90	4,304	36,402,514	36,343,263	59,251
Persons with powers of arrest	3,373	3,347	26	3,351	31,700,346	31,678,033	22,313
Other	1,005	941	64	953	4,702,168	4,665,230	36,938
Fire protection	2,221	2,193	28	2,213	20,154,916	20,056,729	98,187
Firefighters	1,897	1,875	22	1,891	18,658,129	18,577,009	81,120
Other	324	318	6	322	1,496,787	1,479,720	17,067
Corrections	2,407	2,392	15	2,398	15,459,600	15,385,536	74,064
Highways	1,695	1,684	11	1,687	9,394,496	9,385,913	8,583
Air transportation	1,148	1,144	4	1,146	6,337,812	6,331,324	6,488
Sea and Inland Port Facilities	226	226	-	226	1,196,936	1,196,936	-
Public welfare	1,429	1,346	83	1,370	6,894,136	6,806,931	87,205
Health	2,502	2,460	42	2,479	15,993,797	15,842,210	151,587
Hospitals	3,129	2,435	694	2,773	19,041,088	15,236,664	3,804,424
Social insurance administration	313	305	8	309	1,458,302	1,435,828	22,474
Solid waste management	646	646	-	646	4,310,545	4,310,545	-
Sewerage	707	705	2	705	4,792,795	4,791,839	956
Parks and recreation	3,659	2,135	1,524	2,306	9,042,995	8,521,997	520,998

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**Table 9.65-- STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION:  
MARCH 2022 -- 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	685	668	17	670	3,574,814	3,558,172	16,642
Natural resources	1,086	1,032	54	1,056	5,364,806	5,244,724	120,082
Water supply	1,013	1,011	2	1,013	5,869,642	5,864,608	5,034
Transit	284	265	19	278	1,337,111	1,291,274	45,837
Education total	45,664	31,905	13,759	35,959	182,910,654	167,301,920	15,608,734
Elem. & secondary educ. total	31,731	22,526	9,205	25,479	125,542,438	115,969,568	9,572,870
Elem. & sec. instructional	25,292	17,007	8,285	19,706	103,381,604	94,297,198	9,084,406
Elem. & sec. other	6,439	5,519	920	5,773	22,160,834	21,672,370	488,464
Higher education total	13,608	9,056	4,552	10,156	55,743,214	49,710,826	6,032,388
Higher educ. instructional	4,180	3,076	1,104	3,347	28,176,000	25,183,580	2,992,420
Higher educ. other	9,428	5,980	3,448	6,809	27,567,214	24,527,246	3,039,968
Other education	325	323	2	324	1,625,002	1,621,526	3,476
Libraries	505	431	74	462	1,861,603	1,780,059	81,544
All other and unallocable	3,155	3,131	24	3,140	17,614,061	17,570,404	43,657

Source: U.S. Census Bureau, 2022 Census of Governments, Survey of Public Employment & Payroll "State and Local Government Employment & Payroll Data by State and Function: March 2022" (June 20, 2023) <<https://www.census.gov/data/datasets/2022/econ/apes/2022.html>> accessed June 21, 2023.

**Table 9.66-- STATE GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2022**

[In number of jobs and 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	65,532	50,152	15,380	54,792	294,422,755	273,599,100	20,823,655
Financial administration	651	649	2	650	3,478,708	3,477,982	726
Other government admin.	1,079	865	214	984	5,050,639	4,488,114	562,525
Judicial and legal	2,497	2,441	56	2,459	15,468,267	15,043,392	424,875
Corrections	2,407	2,392	15	2,398	15,459,600	15,385,536	74,064
Highways	756	754	2	755	4,441,290	4,438,178	3,112
Air transportation	1,148	1,144	4	1,146	6,337,812	6,331,324	6,488
Sea & inland port facilities	226	226	-	226	1,196,936	1,196,936	-
Public welfare	1,245	1,226	19	1,234	6,195,349	6,166,339	29,010
Health	2,165	2,137	28	2,151	13,737,846	13,624,796	113,050
Hospitals	3,129	2,435	694	2,773	19,041,088	15,236,664	3,804,424
Social insurance admin.	313	305	8	309	1,458,302	1,435,828	22,474
Parks and recreation	593	119	474	154	581,616	544,266	37,350
Housing & community dev.	290	279	11	279	1,359,661	1,347,452	12,209
Natural resources	820	815	5	818	4,437,606	4,430,670	6,936
Education total	45,664	31,905	13,759	35,959	182,910,654	167,301,920	15,608,734
Elem. & sec. total	31,731	22,526	9,205	25,479	125,542,438	115,969,568	9,572,870
Elem & sec. instruct.	25,292	17,007	8,285	19,706	103,381,604	94,297,198	9,084,406
Elem & sec. other	6,439	5,519	920	5,773	22,160,834	21,672,370	488,464
Higher educ. total	13,608	9,056	4,552	10,156	55,743,214	49,710,826	6,032,388
Higher educ. Instruct.	4,180	3,076	1,104	3,347	28,176,000	25,183,580	2,992,420
Higher educ. other	9,428	5,980	3,448	6,809	27,567,214	24,527,246	3,039,968
Other	325	323	2	324	1,625,002	1,621,526	3,476
Libraries	501	427	74	458	1,848,745	1,767,201	81,544
All other and unallocable	2,048	2,033	15	2,039	11,418,636	11,382,502	36,134

Source: U.S. Census Bureau, 2022 Census of Governments, Survey of Public Employment & Payroll "State Government Employment and Payroll Data by State and Function: March 2022" (June 20, 2023) <<https://www.census.gov/data/datasets/2022/econ/apes/2022.html>> accessed June 21, 2023.

**Table 9.67-- LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL, BY FUNCTION: MARCH 2022**

[In number of jobs and 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	18,744	17,171	1,573	17,438	117,494,278	116,356,732	1,137,546
Financial administration	1,176	1,158	18	1,162	6,558,429	6,538,712	19,717
Other government administration	1,390	1,197	193	1,213	7,770,414	7,630,895	139,519
Judicial and legal	631	611	20	622	4,577,953	4,519,861	58,092
Police protection	4,378	4,288	90	4,304	36,402,514	36,343,263	59,251
Persons with power of arrest	3,373	3,347	26	3,351	31,700,346	31,678,033	22,313
Other police protection	1,005	941	64	953	4,702,168	4,665,230	36,938
Fire protection total	2,221	2,193	28	2,213	20,154,916	20,056,729	98,187
Firefighters	1,897	1,875	22	1,891	18,658,129	18,577,009	81,120
Other fire protection	324	318	6	322	1,496,787	1,479,720	17,067
Highways	939	930	9	932	4,953,206	4,947,735	5,471
Public welfare	184	120	64	136	698,787	640,592	58,195
Health	337	323	14	328	2,255,951	2,217,414	38,537
Solid waste management	646	646	-	646	4,310,545	4,310,545	-
Sewerage	707	705	2	705	4,792,795	4,791,839	956
Parks and recreation	3,066	2,016	1,050	2,152	8,461,379	7,977,731	483,648
Housing & community dev't	395	389	6	391	2,215,153	2,210,720	4,433
Natural resources	266	217	49	238	927,200	814,054	113,146
Water supply	1,013	1,011	2	1,013	5,869,642	5,864,608	5,034
Transit	284	265	19	278	1,337,111	1,291,274	45,837
Libraries	4	4	-	4	12,858	12,858	-
All other and unallocable	1,107	1,098	9	1,101	6,195,425	6,187,902	7,523

Source: U.S. Census Bureau, 2022 Census of Governments, Survey of Public Employment & Payroll "Local Government Employment and Payroll Data by State and Function: March 2022" (June 20, 2023) <<https://www.census.gov/data/datasets/2022/econ/apes/2022.html>> accessed June 21, 2023.

**Table 9.68-- PUBLIC EMPLOYEES INCLUDED IN COLLECTIVE BARGAINING UNITS: 2020**

[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 2020	59,172	12,343	8,124	2,394	2,131	1,078	22,233	1,479	6,962	2,428
1	Blue-collar nonsupervisors	8,479	1,848	1,899	583	603	375	2,221	105	497	348
2	Blue-collar supervisors	765	176	205	52	42	13	246	1	12	18
3	White-collar nonsupervisors	12,210	3,284	1,446	585	510	207	4,541	724	533	380
4	White-collar supervisors	773	208	128	37	30	13	249	53	39	16
5	Teachers & other personnel 2/	12,966	-	-	-	-	-	12,966	-	-	-
6	Educational officers 3/	962	-	-	-	-	-	962	-	-	-
7	Faculty of the University of Hawaii and the community college system	3,507	-	-	-	-	-	-	-	3,507	-
8	Personnel of the University of Hawaii and the community college system, other than faculty	2,365	-	-	-	-	-	-	-	2,365	-
9	Registered prof. nurses	1,165	382	-	-	-	-	2	4	7	770
10	Institutional, health and correctional workers	2,383	1,438	242	-	-	-	34	52	2	615
11	Firefighters	1,964	190	1,008	352	286	128	-	-	-	-
12	Police officers	2,754	-	1,884	415	310	145	-	-	-	-
13	Prof. & scientific employees 4/	8,124	4,427	1,110	314	295	145	1,012	540	-	281
14	State law enforcement officers & state & county ocean safety & water safety officers	755	390	202	56	55	52	-	-	-	-

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. 59* (February 26, 2021) <<http://labor.hawaii.gov/hlrp/find-a-report/>> accessed July 2, 2022.



**Table 9.69-- SALARIES OF SELECTED GOVERNMENT OFFICIALS: 2011 TO 2022**

[Fiscal year ending June 30. In dollars. As of May 24, 2022]

Government official	2011	2012	2013	2016	2018	2020	2022
Governor	117,312	117,312	143,748	149,556	155,592	165,048	165,048
Lieutenant Governor	114,420	114,420	140,220	145,884	151,776	162,552	162,552
Attorney General	114,420	114,420	140,220	145,884	151,776	162,552	162,552
Comptroller	108,972	108,972	133,536	136,212	144,552	147,444	154,812
Department of Defense, Adjutant General	190,116	215,665	238,754	221,672	220,651	222,441	245,838
Department Director 1/	103,512	103,512	133,536	138,936	144,552	154,812	154,812
Department of Education, Superintendent	150,000	142,500	(NA)	250,000	250,000	240,000	250,000
Director of Finance (Budget & Finance)	108,972	108,972	140,220	145,884	151,776	162,552	162,552
State Senator	46,272	46,273	55,896	(2/)	61,380	62,604	62,604
State House Representative	46,272	46,273	55,896	59,004	61,380	62,604	62,604
Office of Hawaiian Affairs, Chair	3/ 61,068	63,204	63,204	64,164	65,448	66,769	66,768
Trustee	53,568	55,440	55,440	56,280	57,408	58,561	58,560
Mayor, Honolulu	(NA)	115,964	129,600	157,080	173,184	186,432	186,432
Mayor, Hawaii	(NA)	(NA)	(NA)	(NA)	132,000	162,582	162,582
Mayor, Maui	(NA)	(NA)	(NA)	(NA)	151,979	151,979	151,979
Mayor, Kauai	(NA)	(NA)	(NA)	114,490	132,000	132,000	142,062
Chief Justice, Supreme Court	156,727	156,727	213,840	222,480	231,468	238,104	238,104
Associate Justice, Supreme Court	115,118	115,118	206,184	214,524	223,200	229,668	229,668
President, University of Hawaii	4/ 427,512	4/ 427,512	4/ 475,008	375,000	375,000	395,004	316,008

1/ Unless otherwise designated.

2/ Civil Beat database has no data for FY 2016 but constitutionally the salary is the same as for member of the State House.

3/ Indicated as Chair/Trustee.

4/ Indicated as President and Professor.

Source: Civil Beat, Public Employees Salary Database <<https://www.civilbeat.org/projects/public-employee-salaries/>> accessed July 31, 2023.

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

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

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**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 2/	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 3/	4,237
1960 1/	12,662	1978	10,715	1996	(NA)
1961	11,340	1979 1/	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/ As of March 31 or April 1.

2/ 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).

3/ For 1995, Defense Manpower Data Center does not include home-of-record for U.S. Air Force.

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.

Source: U.S. Department of Defense, Defense Manpower Data Center, Statistical Information Analysis Division, Historical Military Personnel and Active Duty Military Personnel by Service by Region/Country, Total DOD - September 30 (annual) <[https://www.dmdc.osd.mil/appj/dwp/dwp\\_reports.jsp](https://www.dmdc.osd.mil/appj/dwp/dwp_reports.jsp)> accessed November 24, 2015.

**Table 10.04-- ACTIVE DUTY AND RESERVE PERSONNEL, BY SERVICE:  
2010 TO 2022**

[As of September 30. Personnel who are permanently assigned for duty in Hawaii and excludes personnel on temporary duty or deployed in support of contingency operations]

Year and component	All services	Department of Defense					Coast Guard
		Total	Army	Navy	Marine Corps	Air Force	
Active duty							
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
2020	41,762	40,494	15,451	12,296	7,159	5,588	1,268
2021	41,815	40,538	15,493	12,571	6,940	5,534	1,277
2022	40,485	39,266	15,428	12,476	5,799	5,563	1,219
National Guard and reserve 1/							
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
2020	9,593	9,461	5,376	703	310	3,072	132
2021	9,760	9,636	5,564	722	255	3,095	124
2022	9,546	9,409	5,399	716	220	3,074	137

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" (annual) <<https://dwp.dmdc.osd.mil/dwp/app/dod-data-reports/workforce-reports>> accessed January 6, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.



**Table 10.05-- FEDERAL GOVERNMENT MILITARY AND CIVILIAN PERSONNEL: 1969 TO 2021**

[Estimates 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 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	Total	Military 1/	Civilian
1969	104,362	69,603	34,759
1970	102,400	68,949	33,451
1971	98,613	65,586	33,027
1972	99,074	66,350	32,724
1973	102,197	70,540	31,657
1974	102,021	70,896	31,125
1975	103,159	72,142	31,017
1976	100,327	69,170	31,157
1977	96,689	66,396	30,293
1978	96,891	66,416	30,475
1979	95,902	65,104	30,798
1980	97,046	66,457	30,589
1981	93,829	62,944	30,885
1982	94,451	62,628	31,823
1983	98,270	65,863	32,407
1984	101,126	68,406	32,720
1985	102,322	68,904	33,418
1986	100,922	67,691	33,231
1987	102,338	69,062	33,276
1988	102,001	68,813	33,188
1989	101,759	68,470	33,289
1990	100,945	67,225	33,720
1991	100,557	67,484	33,073
1992	98,516	65,717	32,799
1993	94,628	63,070	31,558
1994	92,326	61,218	31,108
1995	89,174	58,638	30,536
1996	87,289	56,441	30,848
1997	85,743	55,452	30,291
1998	84,942	54,859	30,083
1999	82,854	53,079	29,775
2000	82,668	52,496	30,172

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**Table 10.05-- FEDERAL GOVERNMENT MILITARY AND CIVILIAN PERSONNEL: 1969 TO 2021 -- Con.**

Year	Federal government		
	Total	Military 1/	Civilian
2001	82,943	53,652	29,291
2002	83,670	52,919	30,751
2003	84,515	52,791	31,724
2004	85,343	53,758	31,585
2005	84,350	53,019	31,331
2006	86,185	54,363	31,822
2007	86,288	54,515	31,773
2008	88,301	56,047	32,254
2009	89,038	55,663	33,375
2010	91,112	56,237	34,875
2011	92,010	57,087	34,923
2012	92,406	57,456	34,950
2013	91,279	57,357	33,922
2014	90,265	57,147	33,118
2015	91,163	58,089	33,074
2016	91,425	58,202	33,223
2017 2/	90,342	56,925	33,417
2018 2/	85,735	52,002	33,733
2019	2/ 85,063	2/ 50,764	34,299
2020 2/	85,923	50,798	35,125
2021	86,531	51,776	34,755

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 2022) <<https://www.bea.gov/system/files/methodologies/SPI-Methodology.pdf>>

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" (March 6, 2019) and "SAEMP25N Total Full-Time and Part-Time Employment by NAICS Industry" (September 30, 2022) <<https://apps.bea.gov/itable/?ReqID=70&step=1>> accessed January 6, 2023; 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, unless otherwise specified. 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

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**Table 10.06-- DEPARTMENT OF DEFENSE PERSONNEL AND DEPENDENTS:  
1989 TO 2015 -- Con.**

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 branch of service.

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-- FEDERAL DEFENSE EXPENDITURES PER CAPITA FOR THE UNITED STATES AVERAGE, EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2020**

[In dollars. For fiscal year ending September 30]

Area	Total 1/	Rank 2/	Contracts	Salaries and wages	Retirement benefits	Nonretirement benefits	Grants
U. S. average	2,058	(X)	1,333	469	185	46	24
Hawaii	6,043	4	1,892	3,614	405	86	46
Hawaii as % of U.S. average	293.6	(X)	141.9	770.6	218.9	187.0	191.7
Alabama	3,493	7	2,320	691	362	78	42
Alaska	5,236	6	2,100	2,476	414	173	73
Arizona	3,021	10	2,417	306	228	54	16
Arkansas	816	45	292	239	208	50	27
California	1,713	24	1,118	432	111	30	22
Colorado	2,417	16	1,328	664	301	92	32
Connecticut	6,765	3	6,421	225	72	23	24
Delaware	1,001	41	192	467	245	58	39
Dist. of Columbia	10,967	1	7,142	3,549	118	16	142
Florida	1,713	25	967	372	294	71	9
Georgia	1,823	21	811	662	258	78	14
<b>Hawaii</b>	<b>6,043</b>	<b>4</b>	<b>1,892</b>	<b>3,614</b>	<b>405</b>	<b>86</b>	<b>46</b>
Idaho	694	49	127	252	223	52	40
Illinois	846	43	550	192	75	19	10
Indiana	940	42	588	214	89	28	21
Iowa	1,053	38	789	124	98	22	20
Kansas	1,475	29	454	720	214	70	17
Kentucky	3,032	9	2,125	679	165	51	12
Louisiana	1,145	34	552	375	147	49	22
Maine	2,956	11	2,037	589	225	22	83
Maryland	5,494	5	3,697	1,326	293	51	127
Massachusetts	2,828	13	2,527	172	64	11	54
Michigan	817	44	549	136	68	17	47
Minnesota	642	50	394	116	77	17	38
Mississippi	2,945	12	2,026	581	234	58	46
Missouri	2,653	14	2,168	269	159	45	12
Montana	1,003	40	290	365	241	53	54

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**Table 10.07-- FEDERAL DEFENSE EXPENDITURES PER CAPITA FOR THE UNITED STATES AVERAGE, EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2020 -- Con.**

Area	Total 1/	Rank 1/	Contracts	Salaries and wages	Retirement benefits	Nonretirement benefits	Grants
Nebraska	1,270	32	464	484	217	62	43
Nevada	1,319	31	585	390	276	57	11
New Hampshire	2,460	15	1,997	200	201	20	42
New Jersey	1,016	39	725	222	50	14	5
New Mexico	2,087	18	1,013	694	288	60	32
New York	736	48	515	147	44	10	20
North Carolina	1,732	22	648	705	278	81	20
North Dakota	1,572	27	374	866	170	64	98
Ohio	1,139	35	697	295	104	25	18
Oklahoma	1,993	19	860	804	236	75	18
Oregon	549	51	237	147	126	18	21
Pennsylvania	1,541	28	1,159	233	102	19	28
Rhode Island	1,727	23	684	835	143	25	40
South Carolina	1,619	26	613	564	333	85	24
South Dakota	1,112	36	311	440	256	66	39
Tennessee	795	47	338	159	226	56	16
Texas	3,112	8	2,424	404	219	56	9
Utah	1,886	20	1,073	580	151	48	34
Vermont	1,398	30	897	236	148	21	96
Virginia	8,358	2	5,220	2,260	696	144	38
Washington	2,260	17	991	909	284	57	19
West Virginia	801	46	374	214	147	34	32
Wisconsin	1,066	37	839	104	88	20	15
Wyoming	1,175	33	171	613	262	75	54

X Not applicable.

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.

2/ Rank of 1 is highest total expenditure per capita.

Source: Pew Charitable Trusts, "Budget Agreement Continues to Drive Overall Increase in Defense Dollars to States" (March 30, 2022) <<https://www.pewtrusts.org/en/research-and-analysis/articles/2022/03/30/budget-agreement-continues-to-drive-overall-increase-in-defense-allocations-to-states>> accessed April 5, 2022; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.08-- DEPARTMENT OF DEFENSE CONTRACT AWARDS, 2014 TO 2021, AND SUMMARY OF SPENDING AND PERSONNEL: 2021**

[In persons and dollars as indicated. For fiscal year ending September 30]

<b>Spending or personnel</b>	<b>Total</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Maui 1/</b>	<b>Kauai</b>
Defense contracts spending (\$M.) 2/	2,611.4	2,441.2	35.3	33.3	95.7
Defense personnel spending (\$M.) 2/	5,267.0	4,753.4	31.9	17.8	35.0
Total defense personnel	70,484	63,388	(D)	300	463
Active duty	40,490	34,740	(D)	26	85
Civilian	20,361	19,923	186	67	185
National Guard	5,360	4,598	405	207	150
Reserve	4,273	4,127	74	-	43
<b>Value of contract awards performed (\$M) and personnel (number)</b>	<b>Total</b>	<b>Army</b>	<b>Navy &amp; Marines</b>	<b>Air Force</b>	<b>Other defense</b>
2014 3/	1,900.0	(NA)	(NA)	(NA)	(NA)
2015 3/	1,784.1	(NA)	(NA)	(NA)	(NA)
2016 3/	1,973.1	(NA)	(NA)	(NA)	(NA)
2017 3/	1,939.6	(NA)	(NA)	(NA)	(NA)
2018 3/	2,184.0	(NA)	(NA)	(NA)	(NA)
2019 3/	2,381.5	(NA)	(NA)	(NA)	(NA)
2020 3/	2,658.7	(NA)	(NA)	(NA)	(NA)
2021	2,611.4	768.5	1,309.8	214.9	318.2
Contract awards (percent of total)	100.0	29.4	50.2	8.2	12.2
Personnel 2/	70,484	26,178	32,615	9,883	1,214
<b>Personnel or spending</b>	<b>Total</b>	<b>Active duty</b>	<b>National Guard</b>	<b>Reserve</b>	<b>Civilian</b>
Total personnel	70,484	40,490	5,360	4,273	20,361
Defense personnel spending (\$M.) 2/	5,267.0	2,940.0	443.3		1,883.8
Contracts (\$M.)	2,611.4	(NA)	(NA)	(NA)	(NA)
Supplies & equipment	192.6	(NA)	(NA)	(NA)	(NA)
Research & development	158.9	(NA)	(NA)	(NA)	(NA)
Service	1,856.0	(NA)	(NA)	(NA)	(NA)
Construction	403.9	(NA)	(NA)	(NA)	(NA)

Continued on next page.

**Table 10.08-- DEPARTMENT OF DEFENSE CONTRACT AWARDS, 2014 TO 2021, AND SUMMARY OF SPENDING AND PERSONNEL: 2021 -- Con.**

<b>Contractors receiving largest value of prime contract awards (\$ million)</b>			
<b>Contractor name</b>	<b>Amount</b>	<b>Contractor name</b>	<b>Amount</b>
Hensel Phelps Construction	212.7	PCL U.S. Holdings, Inc.	50.6
Smartronix	107.8	Koa Lani, JV LLC	45.6
Vigor Industrial	81.1	Portico Services LLC	43.7
MNDPI Pacific, JV	69.3	AECOM	40.5
TNT Constructors	58.5	Matson	40.0

D Data not disclosed but included in higher-level totals.

NA Not available.

1/ Includes Kalawao County.

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

3/ 'Total' revised from previous *Data Book* but revised components not available.

Source: U.S. Department of Defense, Office of Local Defense Community Cooperation, "Defense Spending by State, Fiscal Year 2021" (October 20, 2022) and report data <<https://oldcc.gov/dsbs-fy2021>> accessed October 20, 2022; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 10.09-- DEPARTMENT OF DEFENSE SUMMARY OF SPENDING AND PERSONNEL: 2019 TO 2021**

[For fiscal year ending September 30. Rank of 1 indicates highest value or percentage and is determined using unrounded data, includes the District of Columbia. Components may not sum to totals due to unallocated portions. See Table 10.08 for revised FY2019 and FY2020 total spending. FY2019 and FY2020 component revisions not available]

Category	2019		2020		2021	
	Value	Rank	Value	Rank	Value	Rank
Spending total (\$1,000)	7,475,317	22	7,746,972	21	7,878,377	22
As percent of total defense spending	1.4	21	1.3	21	1.4	2
As percent of Gross Domestic Product	7.7	2	8.5	2	8.3	2
Spending per resident (dollars)	5,280	4	5,506	4	5,465	3
Contract spending (\$1,000)	2,463,155	33	2,661,425	31	2,611,385	29
Honolulu	2,315,508	(NA)	2,517,932	(NA)	2,441,209	(NA)
Hawaii	11,266	(NA)	28,133	(NA)	35,300	(NA)
Kauai	115,979	(NA)	87,125	(NA)	95,700	(NA)
Maui 1/	20,403	(NA)	28,235	(NA)	33,288	(NA)
Construction	495,249	(NA)	441,652	(NA)	403,864	(NA)
Research and development	181,294	(NA)	194,863	(NA)	158,929	(NA)
Service	1,634,682	(NA)	1,848,636	(NA)	1,855,980	(NA)
Supplies and equipment	151,930	(NA)	176,274	(NA)	192,613	(NA)
Total personnel	70,396	9	70,387	9	70,484	9
Honolulu	62,723	(NA)	63,433	(NA)	63,388	(NA)
Hawaii	(D)	(NA)	(D)	(NA)	(D)	(NA)
Kauai	397	(NA)	409	(NA)	463	(NA)
Maui 1/	255	(NA)	282	(NA)	300	(NA)
Personnel spending (\$1,000)	5,012,161	9	5,085,548	9	5,266,992	9
Honolulu	4,470,059	(NA)	4,594,393	(NA)	4,753,445	(NA)
Hawaii	26,878	(NA)	27,233	(NA)	31,923	(NA)
Kauai	26,372	(NA)	27,577	(NA)	35,020	(NA)
Maui 1/	12,689	(NA)	14,121	(NA)	17,784	(NA)
Civilian	1,745,527	(NA)	1,818,568	(NA)	1,883,755	(NA)
Military active duty	2,893,966	(NA)	2,886,944	(NA)	2,939,982	(NA)
National Guard and Reserve	372,668	(NA)	380,036	(NA)	443,255	(NA)

D Data not disclosed but included in higher-level total.

NA Not available.

1/ Includes Kalawao County.

Source: U.S. Department of Defense, Office of Economic Adjustment, "Defense Spending by State FY2020" and report data <<https://oldcc.gov/dsbs-fy2020>> accessed October 19, 2021; "Defense Spending by State Fiscal Year 2021" and report data <<https://oldcc.gov/dsbs-fy2021>> accessed October 20, 2022; and calculations by the Hawaii State Department of Economic Development & Tourism.

**Table 10.10-- MILITARY PRIME CONTRACT AWARDS, BY TYPE:  
1982 TO 2009**

[Prime contracts are generally reported at the location where the work is performed. In thousands of dollars. Fiscal years ending September 30]

Year	Total contracts 1/	Supply & equipment	RDT & E 2/	Service	Construction	Civil functions
1982	526,143	302,754	6,132	178,776	23,716	14,765
1983	638,975	299,980	9,812	266,583	38,708	23,892
1984	536,735	152,802	6,461	273,025	84,041	20,406
1985	626,153	164,785	10,697	311,800	129,602	9,269
1986	562,843	209,488	2,899	272,114	77,488	854
1987	461,449	20,608	8,722	353,911	71,020	7,188
1988	540,991	94,954	19,753	349,591	69,819	6,874
1989	578,733	61,147	16,639	402,465	90,464	8,018
1990	511,893	92,103	13,033	382,667	22,416	1,674
1991	697,127	85,019	8,448	438,969	163,462	1,229
1992	622,728	94,107	12,299	436,322	73,971	6,029
1993	631,021	87,337	14,526	450,026	71,841	7,291
1994	803,297	51,341	15,454	485,515	249,301	1,686
1995	673,641	74,468	14,634	441,001	136,734	6,804
1996	928,480	71,478	21,348	648,821	175,682	11,151
1997	957,354	87,353	24,698	607,753	228,980	8,570
1998	889,608	88,894	30,907	629,248	134,174	6,385
1999	984,849	127,356	23,762	669,912	161,327	2,492
2000	1,159,581	159,479	54,837	715,981	228,056	1,228
2001	1,307,383	166,011	60,444	770,412	307,504	3,012
2002	1,433,119	267,334	71,978	821,447	265,575	6,785
2003	1,807,956	487,571	121,356	917,498	275,269	6,262
2004	1,713,912	464,161	122,652	814,829	304,292	7,978
2005	1,990,800	620,449	143,736	971,889	253,496	1,230
2006	1,963,468	595,194	80,839	1,074,491	210,392	2,552
2007	2,158,038	379,521	104,122	1,260,315	414,080	(3/)
2008	2,258,591	437,344	67,840	1,222,919	530,488	(3/)
2009	2,377,271	423,610	96,892	1,398,698	458,071	(3/)

1/ Prime contracts are generally reported at the location where the work is performed. Use of prime contract data is not a means of measuring the total volume of defense work performed within a state, as a substantial amount of the work may be subcontracted. For FY 1982-83 procurement contracts greater than \$10,000 were reported. For FY 1984 to 2004, only reported for awards exceeding \$25,000. As of FY 2005, all awards are included. As of FY 2007, DOD transitioned from the Defense Contract Action Data System (DCADS) used for FY 2006 and prior contract data, to the Federal Procurement Data System - Next Generation (FPDS – NG), which was used to obtain contract data from FY07 onward.

2/ RDT & E Research, Development, Test, and Evaluation.

3/ Discrete reporting of Civil Functions contracts has been discontinued because these contracts are no longer identified in FPDS – NG as a separate contract type.

Source: U.S. Department of Defense, Defense Management Data Center, Statistical Information Analysis Division, *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year* (annual) and <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed October 6, 2010.

**Table 10.11-- MILITARY CONSTRUCTION PROJECTS IN HAWAII: 2023 AND 2024**

[For fiscal year ending September 30. Amount reflects Total Obligation Authority]

Year, branch and location	Facility category title	Construction project title	Amount (\$1,000)
2023 total			1,322,788
Air Force total			90,000
Maui	Research & development facilities	Secure Integration Support Lab with land acquisition	90,000
Army total			264,800
Army National Guard - Kapolei	Training buildings	National Guard Readiness Center Addition	34,800
Army active			230,000
Fort Shafter	Utility facilities	Water system upgrade	33,000
Schofield Barracks	Operational facilities	Company operations facility	159,000
Tripler Army Medical Center	Utility facilities	Water system upgrade	38,000
Navy and Marine Corps total			967,988
Navy active			851,024
Joint Base Pearl Harbor- Hickam	Maintenance & production facilities	Dry Dock 3 Replacement (Inc)	621,185
Joint Base Pearl Harbor- Hickam	Supply facilities	Missile magazines	129,633
Kaneohe Bay	Troop housing facilities	Bachelor enlisted quarters	100,206
Navy Reserve - Kaneohe Bay	Maintenance & production facilities	C-40 aircraft maintenance hangar & parking AP	116,964
2024 total			1,413,711
Air Force			75,000
Hickam AFB	Family housing construction	MHPI restructure-Joint Base Pearl Harbor- Hickam	75,000
Army			20,000
Aliamanu Military Reservation	Utility facilities	Water storage tank	20,000
Navy and Marine Corps			1,318,711
Joint Base Pearl Harbor- Hickam	Maintenance & production facilities	Dry Dock 3 Replacement (Inc)	1,318,711

Source: U.S. Department of Defense, Office of the Under Secretary of Defense (Comptroller) Defense Budget Materials - FY2024, Construction Programs (C-1) (March 13, 2023) <<https://comptroller.defense.gov/Budget-Materials/>> accessed March 13, 2023.

**Table 10.12-- 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 10.13-- DEPARTMENT OF DEFENSE CIVILIAN PERSONNEL,  
BY SERVICE: 2008 TO 2022**

[As of September 30]

Year	All services	Army	Navy and Marine Corps			Air Force	Other defense activities
			Total	Navy	Marine Corps		
2008	16,902	4,805	9,117	8,560	557	2,007	973
2009	17,828	5,212	9,472	8,829	643	2,106	1,038
2010	18,908	5,701	9,938	9,209	729	2,176	1,093
2011	19,198	5,766	10,555	9,865	690	1,808	1,069
2012	19,244	5,723	10,650	9,990	660	1,795	1,076
2013	18,265	5,347	10,112	9,434	678	1,764	1,042
2014	18,057	5,139	10,100	9,417	683	1,787	1,031
2015	18,487	5,104	10,336	9,680	656	1,762	1,285
2016	18,733	5,126	10,568	9,932	636	1,772	1,267
2017	18,739	5,137	10,682	10,071	611	1,674	1,246
2018	19,064	5,171	11,145	10,532	613	1,554	1,194
2019	19,591	5,177	11,738	11,088	650	1,424	1,252
2020	19,757	5,099	12,061	11,359	702	1,340	1,257
2021	19,716	5,121	12,127	11,464	663	1,254	1,214
2022	19,629	3,022	11,958	11,340	618	1,229	3,420

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" (annual, September 30) <<https://dwp.dmdc.osd.mil/dwp/app/dod-data-reports/workforce-reports>> accessed January 6, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.14-- IMPACT OF A \$1 BILLION MILITARY EXPENDITURE: 2022**

[Based on inter-industry relationships in 2017. Include direct, indirect, and induced impacts.  
Industries sorted for greatest output impact]

<b>Industry sector</b>	<b>Output (in millions of dollars)</b>	<b>Labor income (in millions of dollars)</b>	<b>Jobs (number)</b>
Total	1,592.1	898.1	9,822
Federal government	755.4	620.4	5,407
Real estate and rentals	175.4	11.6	239
Health services	90.4	45.7	619
Mining and construction	76.5	32.4	306
Business services	54.7	32.4	615
Professional services	47.8	25.7	322
Retail trade	47.4	17.5	425
Finance and insurance	40.3	10.8	168
Other manufacturing	40.3	9.0	137
Other services	36.4	17.1	321
Eating and drinking	34.0	12.9	333
Transportation	33.9	10.3	176
Utilities	31.0	6.2	41
Wholesale trade	30.9	9.3	112
Information	28.5	5.8	61
Accommodation	25.9	6.6	84
State and local government	17.9	12.9	143
Food processing	9.4	1.8	41
Educational services	7.5	5.3	128
Arts and entertainment	5.0	2.8	87
Agriculture	3.5	1.6	59

Source: Estimates by the Hawaii State Department of Business, Economic Development & Tourism based on the 2017 Hawaii State Input-Output tables <[http://dbedt.hawaii.gov/economic/reports\\_studies/2017-io/](http://dbedt.hawaii.gov/economic/reports_studies/2017-io/)>.

**Table 10.15-- 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 reparable	-	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 10.16-- ARMY AND AIR NATIONAL GUARD STRENGTH: 1993 TO 2021**

[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, FY 2020 and FY2021]

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	
2020	8/ 5,180	2,911		2,269		
2021	8/ 5,349	3,050		2,299		

Continued on next page.



**Table 10.16-- ARMY AND AIR NATIONAL GUARD STRENGTH:  
1993 TO 2021 -- Con.**

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.

8/ Total strength.

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/department-info/annual-reports/>> accessed July 29, 2020; and records.

**Table 10.17-- CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, DEPARTMENT OF DEFENSE, AND PEARL HARBOR NAVAL SHIPYARD: ANNUAL AVERAGE, 1990 TO 2022**

[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/)	2007	31,750	16,400	4,000
1991	33,900	18,800	(1/)	2008	32,200	16,550	4,100
1992	33,300	18,100	(1/)	2009	33,300	17,500	4,200
1993	31,800	17,400	(1/)	2010	34,800	18,500	4,300
1994	31,300	16,900	(1/)	2011	34,900	19,100	4,300
1995	31,100	16,800	(1/)	2012	34,900	19,100	4,500
1996	31,100	16,800	(1/)	2013	33,900	18,300	4,300
1997	30,700	17,300	(1/)	2014	33,200	17,900	4,500
1998	30,400	16,900	(1/)	2015	33,100	18,100	4,800
1999	30,300	16,600	(1/)	2016	33,200	(2/)	(2/)
2000	31,000	16,400	(1/)	2017	33,400	(2/)	(2/)
2001	30,100	16,500	4,700	2018	33,700	(2/)	(2/)
2002	30,650	16,700	4,950	2019	34,300	(2/)	(2/)
2003	31,650	16,650	4,750	2020 3/	35,100	(2/)	(2/)
2004	31,450	16,600	4,250	2021 3/	34,700	(2/)	(2/)
2005	31,300	16,350	4,150	2022 3/	34,700	(2/)	(2/)
2006	31,850	16,650	4,200				

1/ New series in 2001. NAICS series data are not available previously.

2/ Series discontinued.

3/ Benchmarked by Hawaii State Department of Business & Economic Development in March 2023.

Source: Hawaii State Department of Business & Economic Development, Current Employment Statistics, Historical Jobcount by Industry - Annual "State of Hawaii Not Seasonally Adjusted Jobcount By Detailed Industry" <<http://dbedt.hawaii.gov/economic/job-count-by-industry/>> accessed March 10, 2023.

**Table 10.18-- SELECTIVE SERVICE REGISTRATION FOR HAWAII AND THE UNITED STATES: 2017 TO 2022**

Subject	Registrants 1/	
	Hawaii	United States 2/
2017 3/		
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
2019		
On-time registration eligible men CY 2019, 18 years old, born 2000	5,345	1,522,524
Entire registrant group CY 2019, 18 - 25 years old, born 1993-2000	64,443	16,322,956
2020		
On-time registration eligible men CY 2020, 18 years old, born 2002	4,983	1,326,903
Entire registrant group CY 2020, 18 - 25 years old, born 1995-2002	62,218	16,051,264
2021		
On-time registration eligible men CY 2021, 18 years old, born 2003	4,719	1,192,897
Entire registrant group CY 2021, 18-25 years old, born 1996-2003	61,593	15,593,873
2022		
On-time registration eligible men CY 2022, 18 years old, born 2004	4,429	1,039,797
Entire registrant group CY 2022, 18-2 years old, born 1997-2004	61,564	15,538,983

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.

3/ FY 2017 report shows calendar and fiscal year data ending September 30.

Source: Selective Service System, *Annual Report to Congress for the Fiscal Year* (annual)  
 <<https://www.sss.gov/reports/annual-reports-to-congress/>> accessed July 18, 2023, and records.

**Table 10.19-- ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)  
INELIGIBILITY RATE, BY SELECTED RACE AND ETHNICITY, BY STATE: 2009**

[High school graduates who did not meet the minimum standard necessary to enlist in the U.S. Army.  
As of September 30]

State 1/	Total		African American		Hispanic		White	
	Number	%	Number	%	Number	%	Number	%
United States	348,203	22.6	64,084	38.7	40,771	29.1	201,501	16.4
Alaska	1,198	20.5	112	28.6	56	16.1	636	10.5
Alabama	8,193	28.2	3,067	44.3	99	21.2	3,825	20.4
Arkansas	5,573	27.7	1,304	47.2	147	20.4	3,436	21.2
Arizona	7,526	19.6	302	25.5	1,774	29.0	4,039	12.1
California	31,669	24.1	2,893	36.6	10,213	30.8	13,471	15.7
Colorado	4,857	17.6	375	33.1	754	28.4	3,400	12.9
Connecticut	2,911	24.0	397	41.8	523	39.2	1,785	15.2
District of Columbia	345	32.5	204	37.7	(2/)	(2/)	104	23.1
Delaware	900	26.0	303	42.2	50	32.0	446	17.3
Florida	19,734	20.9	4,711	33.7	3,775	26.6	10,022	13.0
Georgia	13,597	25.2	6,495	34.4	377	20.4	5,452	16.8
<b>Hawaii</b>	<b>2,307</b>	<b>38.3</b>	<b>(2/)</b>	<b>(2/)</b>	<b>134</b>	<b>34.3</b>	<b>149</b>	<b>20.1</b>
Iowa	3,967	18.6	160	33.1	108	30.6	3,446	17.3
Idaho	2,121	14.1	(2/)	(2/)	136	28.7	1,788	12.7
Illinois	11,861	24.0	2,672	41.5	1,168	29.0	7,146	16.3
Indiana	6,965	13.1	644	28.9	192	16.1	5,252	10.1
Kansas	4,099	21.1	419	41.1	207	20.8	2,931	19.0
Kentucky	5,907	24.0	648	36.6	101	25.7	4,931	22.2
Louisiana	6,079	30.9	2,371	47.0	89	23.6	2,791	21.8
Massachusetts	5,301	19.6	213	35.2	635	40.5	2,831	15.2
Maryland	5,966	26.6	1,465	36.4	235	30.6	2,710	27.0
Maine	1,656	19.0	(2/)	(2/)	(2/)	(2/)	1,539	18.4
Michigan	11,346	20.5	1,644	42.7	303	24.4	8,695	16.3
Minnesota	4,998	15.9	255	40.0	155	20.0	4,007	14.1
Missouri	8,063	21.8	976	35.6	142	21.8	5,807	18.7
Mississippi	5,138	37.8	3,011	50.1	(2/)	(2/)	1,909	20.0
Montana	1,309	18.1	(2/)	(2/)	28	14.3	1,034	13.4
North Carolina	13,473	23.4	4,824	35.7	488	20.5	6,450	15.3
North Dakota	795	16.0	(2/)	(2/)	(2/)	(2/)	649	12.3
Nebraska	2,711	14.6	175	33.7	136	30.1	2,176	11.2
New Hampshire	1,300	14.7	(2/)	(2/)	(2/)	(2/)	931	15.1
New Jersey	6,455	26.5	1,307	33.7	1,479	34.1	2,749	20.6
New Mexico	2,652	28.2	91	37.4	984	32.4	1,056	17.5
Nevada	2,503	18.6	255	36.1	415	26.7	1,523	12.9
New York	12,736	21.1	2,183	29.4	2,154	31.2	7,035	15.4

Continued on next page.

**Table 10.19-- ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB) INELIGIBILITY RATE, BY SELECTED RACE AND ETHNICITY, BY STATE: 2009 -- Con.**

State 1/	Total		African American		Hispanic		White	
	Number	%	Number	%	Number	%	Number	%
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
Pennsylvania	13,146	21.6	1,729	40.2	763	38.1	9,910	17.6
Rhode Island	1,090	23.6	57	36.8	131	39.7	667	21.3
South Carolina	8,557	29.5	3,793	42.3	119	27.7	3,573	21.0
South Dakota	993	17.1	(2/)	(2/)	(2/)	(2/)	809	12.7
Tennessee	8,671	25.1	2,080	41.9	162	28.4	5,809	18.9
Texas	34,093	22.4	5,523	32.9	10,094	27.8	15,432	15.9
Utah	2,354	16.7	(2/)	(2/)	166	31.3	1,769	14.0
Virginia	11,086	25.5	4,207	38.6	479	21.7	5,452	17.0
Vermont	886	20.4	(2/)	(2/)	(2/)	(2/)	806	19.9
Washington	5,571	16.4	303	32.7	434	25.3	3,488	12.3
Wisconsin	8,060	18.9	793	46.9	331	26.9	6,443	14.6
West Virginia	2,760	20.9	121	39.7	(2/)	(2/)	2,402	20.0
Wyoming	554	13.0	(2/)	(2/)	(2/)	(2/)	464	11.2

1/ Including the District of Columbia.

2/ Number suppressed. State had fewer than 50 applicants.

Source: Education Trust, *Shut Out of the Military* (December 20, 2010)

<[http://edtrust.org/wp-content/uploads/2013/10/ASVAB\\_4.pdf](http://edtrust.org/wp-content/uploads/2013/10/ASVAB_4.pdf)> accessed July 13, 2016.

**Table 10.20-- 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](http://siadapp.dmdc.osd.mil/procurement/historical_reports/geographic/geostat.html)> accessed February 22, 2007; Procurement Statistics, Special Tabulation 25 - summary of prime contract awards (ST25) <[http://siadapp.dmdc.osd.mil/procurement/historical\\_reports/statistics/procstat.html](http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/procstat.html)> accessed February 26, 2008; and *Atlas/Data Abstract for the United States and Selected Areas: Fiscal Year* (annual) <<http://siadapp.dmdc.osd.mil/personnel/Pubs.htm>> accessed June 4, 2010.

**Table 10.21-- 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 10.22-- 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](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 10.23-- MILITARY SUBCONTRACTING PROGRAM: 2004 TO 2007**

[In thousands of dollars and percent. Fiscal year ending September 30. Public Law 95-507, as amended, requires large business firms that have received at least one contract over \$500,000, or \$1,000,000 for construction, to establish a subcontracting program]

<b>Procurement program</b>	<b>2004</b>	<b>2005</b>	<b>2006 1/</b>	<b>2007 1/</b>
Hawaii number of contractors	48	41	41	46
Hawaii total contracts	196,793	204,533	319,430	226,920
Large business	73,876	87,310	119,085	90,917
Small business	122,917	117,223	200,345	136,003
Small disadvantaged business	21,583	34,370	25,850	22,352
Women-owned business	15,931	11,633	42,454	13,511
HBCU/MI 2/	133	31	208	25
HUBZone 3/	6,109	2,747	16,399	17,328
Veteran-owned	13,269	19,536	17,459	9,322
Service-disabled veteran-owned	219	282	467	646
Hawaii contracts as percent of total	100.0	100.0	100.0	100.0
Large business	37.5	42.7	37.3	40.1
Small business	62.5	57.3	62.7	59.9
Small disadvantaged business	11.0	16.8	8.1	9.9
Women-owned business	8.1	5.7	13.3	6.0
HBCU/MI 2/	0.1	(4/)	0.1	(4/)
HUBZone 3/	3.1	1.3	5.1	7.6
Veteran-owned	6.7	9.6	5.5	4.1
Service-disabled veteran-owned	0.1	0.1	0.1	0.3
United States number of contractors	1,639	1,625	1,493	1,665
United States total contracts	101,677,468	120,947,969	106,472,454	127,759,431
Large business	66,571,644	77,332,006	66,906,557	81,813,737
Small business	35,105,824	43,615,963	39,565,897	45,945,694
Small disadvantaged business	4,135,337	5,363,344	5,091,551	5,477,611
Women-owned business	4,946,268	5,956,704	5,817,559	6,889,642
HBCU/MI 2/	233,540	145,624	60,818	35,603
HUBZone 3/	1,083,164	1,434,765	1,786,961	2,202,706
Veteran-owned	2,744,357	3,447,490	3,705,866	5,158,454
Service-disabled veteran-owned	449,021	519,237	718,462	1,126,388

Continued on next page.

**Table 10.23-- MILITARY SUBCONTRACTING PROGRAM: 2004 TO 2007 -- Con.**

Procurement program	2004	2005	2006 1/	2007 1/
U.S. contracts as percent of total	100.0	100.0	100.0	100.0
Large business	65.5	63.9	62.8	64.0
Small business	34.5	36.1	37.2	36.0
Small disadvantaged business	4.1	4.4	4.8	4.3
Women-owned business	4.9	4.9	5.5	5.4
HBCU/MI 2/	0.2	0.1	0.1	(4/)
HUBZone 3/	1.1	1.2	1.7	1.7
Veteran-owned	2.7	2.9	3.5	4.0
Service-disabled veteran-owned	0.4	0.4	0.7	0.9

1/ The DOD webpage leading to the URL below notes that procurement web sites are no longer the home for the collection, correction, and reporting of DoD procurement information. The data on those sites are static data and reflect how the data were originally collected through FY2006. All the data contained on those sites were migrated to the Federal Procurement Data System Next Generation (FPDS-NG) which is now the official web site <<https://www.fpds.gov>> for all federal procurement data and reports. USASpending.gov at <<http://www.usaspending.gov>> also contains current DoD procurement data. FY2007 has been released but future *Data Book* updates of military subcontracting are expected to be based on the migrated data/sites.

2/ HBCU/MI Historically Black Colleges and Universities/Minority Institutions.

3/ HUBZone Historically underutilized business zone.

4/ Less than 0.1 percent.

Source: U.S. Department of Defense, Statistical Information Analysis Division, "Companies Participating in the Department of Defense Subcontracting Program"

<[http://siadapp.dmdc.osd.mil/procurement/historical\\_reports/statistics/procstat.html](http://siadapp.dmdc.osd.mil/procurement/historical_reports/statistics/procstat.html)> accessed November 8, 2010 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.24-- DEPARTMENT OF DEFENSE PROCUREMENT CONTRACTS  
AWARDED, BY SELECTED TYPE OF BUSINESS: 2018 TO 2022**

[In thousands of dollars unless otherwise indicated. Fiscal year ending September 30. Contracts are for Hawaii as the 'Place of Performance' or 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. Components and subtotals may be shown individually so sum is greater than published total. Negative values may reflect refunds, or other contract adjustments. Data extracted from the dynamic database at a later date may result in change in one or more items which are not reflected below]

Category 1/	2018	2019	2020	2021	2022
Total contract actions (number)	55,711	56,761	48,816	40,941	42,028
Total contract actions value	2,032,060	2,260,145	2,414,210	2,323,218	2,827,208
Small business	983,712	937,956	1,100,372	1,089,647	1,355,939
Small business as share of total (%)	48.4	41.5	45.6	46.9	48.0
Small disadvantaged business	530,545	466,405	582,945	649,426	739,555
Women-owned business	187,584	207,433	228,947	177,386	180,223
HUBZone 2/	102,606	74,222	83,012	87,792	148,436
Veteran-owned	231,230	195,455	172,136	166,323	165,380
Service-disabled veteran-owned	109,520	99,900	94,079	90,581	115,259
8(a) firm	309,241	253,525	325,491	413,278	514,390
AbilityOne Program 3/	23,461	22,917	24,232	24,358	25,969
HBCU 4/	-	-	-	-	-
Educational institutions	15,091	17,991	19,120	21,297	37,944
Asian Pacific	355,906	391,409	525,170	335,743	533,421
Minority institutions	-	-	-	-	-
Local government	2,160	2,372	2,493	-	-
State government	18,575	22,945	25,053	26,611	47,476
U.S. Tribal government	-	-	-	-	-
American Indian	23,494	5,923	22,480	43,770	43,540
Native American	147,574	166,193	230,777	358,790	434,571
Indian tribe 5/	8,707	1,622	5,465	12,254	313
Native Hawaiian Organization-owned	153,688	156,649	208,706	182,035	228,382
Tribally-owned	30,091	23,707	20,110	38,582	24,480
Alaskan Native-owned	71,300	64,338	110,729	148,931	157,372
Asian Indian	45,331	61,076	30,130	35,962	87,535
Minority-owned	609,440	651,300	839,521	722,721	1,065,423
Black-owned	45,252	36,028	40,155	27,326	23,394
Hispanic-owned	31,387	36,136	58,491	56,514	50,169
Non-profit organization	24,368	23,132	25,730	26,314	26,808
Emerging small business	-1,226	4,315	4,192	2,050	915
Hospital	-132	-91	16	-13	-

Continued on next page.

**Table 10.24-- DEPARTMENT OF DEFENSE PROCUREMENT CONTRACTS  
AWARDED, BY SELECTED TYPE OF BUSINESS: 2018 TO 2022 -- Con.**

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/ Formerly named Javits-Wagner-O'Day Program.

4/ HBCU Historically Black Colleges and Universities.

5/ Federally recognized.

Source: Federal Procurement Data System - Next Generation, Geographic Report by Place of Performance, FY 2018 <<https://www.fpds.gov/fpdsng/cms/index.php/en/>> accessed July 13, 2019; FY2019 accessed July 24, 2020; SAM Geographic Report by Place of Performance FY2020 <<https://sam.gov/reports/awards/standard>> accessed June 7, 2021; FY 2021 accessed July 11, 2022; and FY 2022 accessed July 9, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.25-- DEPARTMENT OF DEFENSE PRIME PROCUREMENT  
CONTRACTS AWARDED FOR HAWAII AND THE UNITED STATES:  
1998 TO 2022**

[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. Transactions include the initial contract award and 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	2/ 329,485,133	2/ 13,592,428
2012 2/	2,551,324	31,776	319,283,835	12,429,246
2013 2/	1,656,689	16,086	268,857,758	9,338,800
2014 2/	2,154,024	17,344	260,732,408	11,514,106
2015 2/	1,729,877	30,102	253,285,129	11,776,416
2016 2/	1,862,165	24,404	278,734,692	12,292,855
2017 2/	1,809,621	54,978	300,862,030	12,673,779
2018 2/	2,037,489	55,726	336,877,996	35,060,276
2019 2/	2,265,094	56,774	359,962,886	68,461,567
2020 2/	2,426,077	48,827	400,630,988	47,191,100
2021 2/	2,325,603	41,628	367,771,558	63,251,431
2022	2,827,208	42,028	390,150,653	52,519,892

1/ Includes all 50 states, the District of Columbia, and territories of American Samoa, Guam, Puerto Rico, the Virgin Islands, and the Northern Marianas, and selected contracts of the armed forces in Europe.

2/ Revised from previous *Data Book*.

Source: Federal Procurement Data System, Standard Reports by Place of Performance, FY1998 to FY2010 <[https://www.fpds.gov/fpdsng\\_cms/index.php/en/](https://www.fpds.gov/fpdsng_cms/index.php/en/)> accessed July 25, 2018; and SAM (System for Award Management ) Geographic Report by Place of Performance FY2011 to FY2022 <<https://sam.gov/reports/awards/standard>> accessed July 17, 2023.

**Table 10.26-- MILITARY INSTALLATIONS BY COMPONENT AND SIZE FOR HAWAII AND THE UNITED STATES: 2016, 2017 AND 2021**

[As of September 30]

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
2021 5/					
Hawaii total	141	10	7	91	33
Army	40	5	1	32	2
Navy	71	4	5	34	28
Air Force	21	-	-	19	2
Marine Corps	9	1	1	6	1
United States total	6,464	151	91	5,245	977
Army	3,800	52	28	3,340	380
Navy	735	32	33	536	134
Air Force	1,628	54	25	1,191	358
Marine Corps	226	12	5	104	105
Washington Headquarters Service	75	1	-	74	-

Continued on next page.

**Table 10.26-- MILITARY INSTALLATIONS BY COMPONENT AND SIZE FOR HAWAII AND THE UNITED STATES: 2016, 2017 AND 2021 -- Con.**

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, and \$2.415 billion in 2021.

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, and less than \$2.415 billion and greater than or equal to \$1.288 billion in 2021, 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, and \$1.288 billion and 0 in 2021 respectively.

4/ Other installation has a total plant replacement value (PRV) equal to zero - primarily land records.

5/ Base Structure Reports were issued for 2018, 2019, and 2020 but did not include these data.

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; and Base Structure Report FY22 <<https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY22.xlsx>> accessed July 7, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2021**

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	Owned	Total	
Hawaii total 3/		4,577	41,925,908	8,786	34,986,570	155,925	198,944	94,822
Air Force total		120	235,930	-	-	409	650	443
Air Force Active		116	204,914	-	-	409	639	402
Bellows AFS	Honolulu	90	129,791	-	-	409	486	297
Kaena Point Satellite Tracking Stn.	Waianae	26	75,123	-	-	-	153	104
Air Force Guard		4	31,016	-	-	-	11	41
Barking Sands Comm. Station	Kekaha Hawaiian Home Land	4	31,016	-	-	-	11	41
Army total		1,399	13,802,322	2,820	11,068,111	126,988	152,315	28,002
Army Active		1,371	12,982,563	2,820	11,068,111	126,984	152,294	26,994
Aliamanu Military Reservation	Honolulu	98	250,043	861	2,572,206	520	531	2,333
Dillingham Military Reservation	Waialua	4	3,696	-	-	628	664	67
Fort De Russy	Honolulu	25	801,852	-	-	70	72	461
Fort Shafter	Honolulu	151	1,598,474	140	378,668	585	602	2,322
Helemano Military Reservation	Wahiawa	20	304,222	216	1,556,062	284	294	1,725
Kahuku Training Area	Kahuku	20	32,276	-	-	-	782	70
Kawaihae Military Reserve	Kawaihae Hawaiian Home Land	1	938	-	-	3	18	24
Kilauea Military Reserve	Hawaii National Park	94	167,411	-	-	1	67	117
Kipapa Ammo Storage Site	Waipahu	69	176,927	-	-	370	402	192
Makua Military Reserve	Waianae	4	4,773	-	-	-	1,150	39
Pohakuloa Training Area	Hilo	167	288,569	4	362	108,829	131,823	775
Schofield Bks Military Reservation	Wahiawa	573	7,279,749	1,597	6,540,217	15,010	15,061	15,127
Signal Cable Trunking System	Wahiawa	9	992	-	-	-	135	142
Tripler Army Medical Center	Honolulu	39	1,920,662	2	20,596	358	367	3,463
Waianae-Kai Military Reservation	Waianae	48	47,743	-	-	12	14	29
Waikalkalaua Ammo Stor. Tunnels	Mililani Town	49	104,236	-	-	312	312	109
Army Guard		28	819,759	-	-	4	21	1,008
NG Kalaeloa	Kapolei	28	819,759	-	-	4	21	1,008

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**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2021 -- 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	Owned	Total	
Marine Corps total		626	6,502,493	1,439	6,141,652	3,182	4,448	14,950
Marine Corps Active		626	6,502,493	1,439	6,141,652	3,182	4,448	14,950
MC Training Area Bellows	Waimanalo	15	116,442	-	-	32	1,029	194
MCB Camp Smith	Aiea	50	916,776	10	28,959	219	221	1,303
MCB Hawaii Kaneohe	Kaneohe	527	5,154,962	1,276	5,683,179	2,686	2,955	12,768
MCB Hawaii Manana Capehart	Pearl City	6	10,019	153	429,514	52	52	365
MCB Hawaii Pearl City Annex	Pearl City	6	255,288	-	-	27	27	216
MCB Hawaii Puuloa-Oahu	Ewa Beach	22	49,005	-	-	165	165	105
Navy total		2,432	21,385,162	4,527	17,776,807	25,347	41,531	51,427
Navy Active		2,432	21,385,162	4,527	17,776,807	25,347	41,531	51,427
Aiea	Aiea	23	45,590	136	559,285	229	230	485
Camp Stover	Wheeler A.F. Base	3	700	61	295,432	35	35	237
Ewa	Ewa Beach	222	908,568	874	2,208,295	3,103	3,127	3,782
Ford Island	Ford Island Naval Reservation	107	1,409,146	339	1,250,669	445	445	3,448
Halawa Housing	Aiea	5	1,603	22	117,192	21	24	104
Halawa Water Storage Tanks	Pearl Harbor	-	-	-	-	12	13	57
Hale Keiki	Pearl Harbor	7	26,239	-	-	11	13	24
Hickam Air Force Base	Hickam Air Force Base	28	123,092	-	-	399	411	245
Hickam Petrol Storage Annex	Hickam Air Force Base	1	5,026	-	-	35	96	114
Honolulu	Pearl Harbor	171	1,711,082	1,450	6,109,166	980	982	6,746
Kalaeloa	Barbers Point Naval A.S.	101	533,719	-	-	79	90	612
Kamokala Ridge	Kekaha Hawaiian Home Land	13	27,410	-	-	-	267	41
Makaha Ridge	Kokee Air Force Station	16	29,949	-	-	-	202	61
NS Pearl Harbor	Pearl Harbor	903	13,658,522	1,242	5,417,059	5,697	5,736	27,053
PACMISRANFAC Hawaiian Area	Kekaha Hawaiian Home Land	231	594,871	78	139,461	1,929	17,451	1,546
Pearl City	Pearl City	37	335,115	251	1,325,450	624	627	1,617
Red Hill Tank Site	Honolulu	16	20,940	-	-	249	256	1,450

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**Table 10.27-- SELECTED CHARACTERISTICS OF MILITARY INSTALLATIONS, BY SITE: SEPTEMBER 30, 2021 -- 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	Owned	Total	
Navy active (con.)								
Wahiawa	Wahiawa	123	825,355	74	354,798	716	736	1,581
Waianae	Lualualei Hawaiian Home Land	387	1,055,711	-	-	9,239	9,239	1,422
Waiawa Well Site	Pearl City	4	8,656	-	-	75	80	18
Waipahu	Waipahu	21	42,072	-	-	1,453	1,455	772
White Plains Beach	Barbers Point Naval A.S.	13	21,797	-	-	15	15	12

1/ This report also inventories leased buildings (5) and square footage (206,628).

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 (Sustainment), Base Structure Report Fiscal Year 2022 (Base Structure Report - as of 30 Sep 2021) <[https://www.acq.osd.mil/eic/BSI/BEI\\_Library.html](https://www.acq.osd.mil/eic/BSI/BEI_Library.html)> accessed March 16, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.28-- HOUSING UNITS IN SELECTED MILITARY AREA  
CENSUS DESIGNATED PLACES (CDP): 2017-2021**

[Average over the 5-year period. Based on a sample and subject to sampling variability]

Geographic area	Total housing units	Occupied housing units		
		Total	Owner	Renter
State total	556,937	478,413	291,814	186,599
Ahuimanu CDP	3,018	2,920	2,419	501
Hickam Housing CDP	3,117	2,884	7	2,877
Iroquois Point CDP	1,589	1,504	-	1,504
Kalaeloa CDP	893	766	-	766
Kaneohe CDP	11,463	10,959	8,116	2,843
Kaneohe Base CDP	3,068	2,848	24	2,824
Schofield Barracks CDP	4,734	4,346	20	4,326
Wheeler AFB CDP	971	873	3	870

Source: U.S. Census Bureau, 2017-2021 American Community Survey 5-Year Estimates "DP04: Selected Housing Characteristics" for State of Hawaii and selected Census Designated Places (CDP) <<https://data.census.gov>> accessed March 20, 2023.

**Table 10.29-- MILITARY HOUSING PRIVATIZATION INITIATIVE PROJECTS:  
AUGUST 2008**

[The MHPI is a 50-year public-private partnership as authorized under the National Defense Defense Act for Fiscal Year 1996 to facilitate upgrade and maintenance of the inventory of military housing units]

<b>Component and location</b>	<b>Total</b>	<b>New homes</b>	<b>Renovated homes</b>
Total dwelling units	14,958	9,562	5,396
Army	7,945	5,388	2,557
Schofield Barracks	4,066	2,916	1,150
Aliamanu/Red Hill	1,717	1,691	26
Wheeler Army/Air Field	669	262	407
Fort Shafter	362	276	86
Helemano	946	58	888
Tripler Army Medical Center	185	185	-
Air Force	2,474	1,142	1,332
Hickam Air Force Base	2,474	1,142	1,332
Navy/Marine	4,539	3,032	1,507
Pearl Harbor, Camp Smith, Manana	2,654	1,740	914
Wahiawa	229	174	55
Marine Corps Base Hawaii	1,656	1,118	538

Source: *Honolulu Advertiser* "Military housing boom offsets slow civilian sector", August 31, 2008  
<<http://the.honoluluadvertiser.com/article/2008/Aug/31/bz/hawaii808310344.html>> accessed September 2, 2008.

**Table 10.30-- MILITARY MONTHLY BASIC ALLOWANCES FOR HOUSING RATES, BY COUNTY: 2023**

[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 2/	Honolulu County	Hawaii County	Kauai County	Maui County 2/	Honolulu County	Hawaii County	Kauai County
E01	3,225	3,084	2,175	2,853	2,421	2,313	1,632	2,268
E02	3,225	3,084	2,175	2,853	2,421	2,313	1,632	2,268
E03	3,225	3,084	2,175	2,853	2,421	2,313	1,632	2,268
E04	3,225	3,084	2,175	2,853	2,421	2,313	1,632	2,268
E05	3,618	3,303	2,265	3,024	2,715	2,607	1,920	2,529
E06	4,287	3,513	2,283	3,366	3,216	2,880	2,085	2,691
E07	4,350	3,648	2,301	3,387	3,264	3,087	2,172	2,853
E08	4,419	3,792	2,310	3,396	3,753	3,351	2,277	3,096
E09	4,617	3,990	2,388	3,549	3,960	3,402	2,283	3,192
W01	4,305	3,531	2,298	3,384	3,231	3,015	2,157	2,802
W02	4,380	3,708	2,307	3,393	3,750	3,348	2,274	3,093
W03	4,464	3,888	2,319	3,405	3,975	3,408	2,286	3,201
W04	4,677	4,032	2,421	3,621	4,302	3,540	2,295	3,363
W05	4,932	4,203	2,547	3,906	4,365	3,678	2,301	3,372
O01E	4,362	3,672	2,304	3,390	3,621	3,297	2,259	3,018
O02E	4,452	3,861	2,313	3,399	3,912	3,393	2,280	3,174
O03E	4,713	4,053	2,436	3,660	4,284	3,504	2,292	3,357
O01	3,699	3,336	2,277	3,072	2,832	2,859	2,079	2,673
O02	4,278	3,510	2,280	3,363	3,486	3,228	2,238	2,967
O03	4,461	3,882	2,316	3,402	4,044	3,432	2,289	3,240
O04	5,025	4,260	2,589	4,011	4,350	3,651	2,298	3,366
O05	5,427	4,527	2,790	4,467	4,386	3,738	2,304	3,375
O06	5,475	4,569	2,814	4,506	4,449	3,873	2,307	3,381
O07	5,520	4,608	2,832	4,545	4,518	3,939	2,331	3,417

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.

2/ DOD authorized temporary automatic BAH rate increases effective October 1 through December 31, 2022.

Source: U.S. Department of Defense, Defense Travel Management Office, Basic Allowance for Housing, BAH Rates for All Locations <<https://www.travel.dod.mil/Allowances/Basic-Allowance-for-Housing/>> accessed December 14, 2022.

**Table 10.31-- VETERAN STATUS OF CIVILIANS 17 YEARS AND OVER:  
2018 TO 2022**

[As of July 1 for civilian population and September 30 for veteran population. Veteran population 2018 and 2019 are based on VetPop2018 and 2020 to 2022 are based on VetPop2020. Calculations are on unrounded data. Veteran and nonveteran population are then rounded to the nearest 1,000]

<b>Veteran status</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Civilian population	1,090,079	1,085,735	1/ 1,118,059	1/ 1,118,767	1,117,230
Male	527,370	524,800	1/ 547,837	1/ 547,008	545,706
Female	562,709	560,935	1/ 570,222	1/ 571,759	571,524
Veterans	118,000	116,000	1/ 113,000	1/ 110,000	107,000
Male	105,000	103,000	1/ 99,000	1/ 96,000	94,000
Female	13,000	13,000	13,000	13,000	13,000
War veterans 2/	97,000	96,000	1/ 90,000	1/ 88,000	86,000
Persian Gulf War 3/	55,000	56,000	1/ 53,000	1/ 54,000	54,000
Vietnam era	36,000	35,000	1/ 33,000	32,000	30,000
Korean conflict	7,000	7,000	1/ 7,000	1/ 6,000	5,000
World War II	3,000	2,000	1/ 1,000	1,000	1,000
Peacetime only	21,000	20,000	1/ 23,000	1/ 22,000	21,000
Nonveterans	1/ 972,000	1/ 969,000	1/ 1,005,000	1/ 1,009,000	1,010,000
Male	1/ 422,000	1/ 421,000	1/ 449,000	1/ 451,000	452,000
Female	1/ 550,000	1/ 548,000	1/ 557,000	1/ 558,000	558,000

1/ Revised from previous *Data Book*.

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, 2020" (June 2021) <<https://www2.census.gov/programs-surveys/popest/datasets/2010-2020/state/asrh/SC-EST2020-AGESEX-CIV.csv>> accessed July 3, 2021; "Annual Estimates of the Civilian Population by Single Year of Age and Sex for the United States and States: April 1, 2020 to July 1, 2022" (June 2023) <<https://www2.census.gov/programs-surveys/popest/datasets/2020-2021/state/asrh/sc-est2021-agesex-civ.csv>> accessed June 23, 2023; U.S. Department of Veterans Affairs, "Veteran Population Projection Model 2018 (VetPop2018),"Table 7L: VETPOP2018 Living Veterans by State, Period of Service, 'Gender, 2018-2048" <[https://www.va.gov/vetdata/docs/Demographics/New\\_Vetpop\\_Model/7L\\_VetPop2018\\_POS\\_State.xlsx](https://www.va.gov/vetdata/docs/Demographics/New_Vetpop_Model/7L_VetPop2018_POS_State.xlsx)> accessed June 23, 2023; The Veteran Population Projection Model 2020 (VetPop2020) "Table 7L: VETPOP2020 Living Veterans by State, Period of Service, 'Gender, 2020-2050" <[https://www.va.gov/vetdata/docs/Demographics/New\\_Vetpop\\_Model/7L\\_VetPop2020\\_POS\\_State.xlsx](https://www.va.gov/vetdata/docs/Demographics/New_Vetpop_Model/7L_VetPop2020_POS_State.xlsx)> accessed July 11, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.32-- ARMED FORCES AND VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER, FOR HAWAII AND THE UNITED STATES: 2021**

[The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021* nor *2022*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-acs-1-year-data.html>>]

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Total	1,441,553	331,893,745	0.4
18 years and over	1,137,352	258,418,467	0.4
In Armed Forces 1/	49,136	1,334,683	3.7
Civilian	1,088,216	257,083,784	0.4
Veteran	87,357	16,501,502	0.5
Nonveteran	1,000,859	240,582,282	0.4
18 to 64 years	854,785	202,526,453	0.4
In Armed Forces 1/	49,136	1,334,683	3.7
Civilian	805,649	201,191,770	0.4
Veteran	45,560	8,385,977	0.5
Nonveteran	760,089	192,805,793	0.4
65 years and over	282,567	55,892,014	0.5
In Armed Forces 1/	-	-	(X)
Civilian	282,567	55,892,014	0.5
Veteran	41,797	8,115,525	0.5
Nonveteran	240,770	47,776,489	0.5
Male	725,604	164,350,703	0.4
18 years and over	567,757	126,690,177	0.4
In Armed Forces 1/	40,482	1,115,498	3.6
Civilian	527,275	125,574,679	0.4
Veteran	77,139	14,843,173	0.5
Nonveteran	450,136	110,731,506	0.4
18 to 64 years	438,137	101,498,435	0.4
In Armed Forces 1/	40,482	1,115,498	3.6
Civilian	397,655	100,382,937	0.4
Veteran	36,991	7,088,101	0.5
Nonveteran	360,664	93,294,836	0.4

Continued on next page.

**Table 10.32-- ARMED FORCES AND VETERAN STATUS, BY SEX AND AGE FOR THE POPULATION 18 YEARS AND OVER, FOR HAWAII AND THE UNITED STATES: 2021 -- Con.**

Characteristic	Hawaii	United States	Hawaii as percent of U.S.
Male (con.)			
65 years and over	129,620	25,191,742	0.5
In Armed Forces 1/	-	-	(X)
Civilian	129,620	25,191,742	0.5
Veteran	40,148	7,755,072	0.5
Nonveteran	89,472	17,436,670	0.5
Female	715,949	167,543,042	0.4
18 years and over	569,595	131,728,290	0.4
In Armed Forces 1/	8,654	219,185	3.9
Civilian	560,941	131,509,105	0.4
Veteran	10,218	1,658,329	0.6
Nonveteran	550,723	129,850,776	0.4
18 to 64 years	416,648	101,028,018	0.4
In Armed Forces 1/	8,654	219,185	3.9
Civilian	407,994	100,808,833	0.4
Veteran	8,569	1,297,876	0.7
Nonveteran	399,425	99,510,957	0.4
65 years and over	152,947	30,700,272	0.5
In Armed Forces 1/	-	-	(X)
Civilian	152,947	30,700,272	0.5
Veteran	1,649	360,453	0.5
Nonveteran	151,298	30,339,819	0.5

X Not applicable.

1/ Calculated as 'Total' less 'Civilian'.

Source: U.S. Census Bureau, 2021 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 June 6, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.



**Table 10.33-- DISTRIBUTION OF VETERANS AFFAIRS POPULATION AND EXPENDITURES, BY COUNTY: 2021 AND 2022**

[In number of persons and thousands of dollars. Fiscal year ending September 30]

Subject	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
2021						
Veteran population 1/	112,756	15,241	83,415	20	4,445	9,636
Unique patients 2/	30,844	4,760	21,985	(3/)	(3/)	2,470
Total expenditure	1,193,587	157,667	900,780	2	47,731	87,407
Compensation & pension 4/	622,003	86,734	467,661	-	21,306	46,302
Educ. & vocational rehab/emp.	140,404	5,311	130,794	-	1,422	2,876
Medical care 5/	412,530	64,702	285,788	2	24,522	37,515
Insurance & indemnities	12,197	920	10,084	-	481	713
Construction	1,296	-	1,296	-	-	-
General operating expenses	5,156	-	5,156	-	-	-
2022						
Veteran population 1/	107,210	13,218	81,293	17	4,621	8,061
Unique patients 2/	30,531	4,738	21,781	(3/)	(3/)	2,385
Total expenditure	1,400,365	181,292	1,071,732	3	52,010	95,329
Compensation & pension 4/	749,606	102,597	569,153	-	24,773	53,083
Educ. & vocational rehab/emp.	131,317	4,949	123,192	-	999	2,177
Medical care 5/	487,381	72,962	348,603	3	26,165	39,648
Insurance & indemnities	7,427	783	6,150	-	73	421
Construction	7,023	-	7,023	-	-	-
General operating expenses	17,611	-	17,611	-	-	-

1/ Veteran population estimated as of September 30. Source obtained data from Department of Veterans Affairs, Predictive Analytics and Actuary Service (VetPop 2020).

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 disabilities; 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. Medical care expenditures are allocated to the patient's home location, not the site of care.

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 10, 2023.

**Table 10.34-- MILITARY RETIREMENT SYSTEM: 2021**

[As of September 30]

Category	Number of personnel		Monthly payment 1/ (\$1,000)	Average payment per person paid (dollars)
	Retired	Paid by DOD		
Department of Defense	18,119	16,883	45,592	2,700
By branch of service				
Army	7,188	6,480	16,989	2,622
Navy	4,870	4,649	13,209	2,841
Marine Corps	1,131	1,027	3,382	3,293
Air Force	4,930	4,727	12,012	2,541
By rank				
Officers	5,359	5,306	22,677	4,274
Nondisability and reserve	5,082	5,078	22,039	4,340
Disability	277	228	638	2,798
Enlisted	12,760	11,577	22,916	1,979
Nondisability and reserve	11,093	10,914	22,170	2,031
Disability	1,667	663	746	1,125
Department of Defense, concurrent receipt	7,031	(X)	13,174	1,874
Concurrent Retirement & Disability Pay (CRDP)	6,422	(X)	12,478	1,943
Nondisability	5,686	(X)	11,231	1,975
Disability	260	(X)	607	2,335
Reserve	476	(X)	640	1,345
Combat Related Special Compensation (CRSC)	609	(X)	696	1,143
Nondisability	250	(X)	419	1,676
Disability	295	(X)	224	759
Reserve	64	(X)	54	844
Military survivors, by branch of servicemember				
Receiving pay	(X)	2,468	2,816	1,141
Army	(X)	1,238	1,306	1,055
Navy	(X)	469	597	1,273
Marine Corps	(X)	119	181	1,521
Air Force	(X)	642	732	1,140

X Not applicable.

1/ 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.

Source: U.S. Department of Defense, Office of the Actuary, *Fiscal Year 2021 DOD Statistical Report on the Military Retirement System* (September 2021) pp. 23 to 25 and 69 <<http://actuary.defense.gov/>> accessed January 10, 2023 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.35-- MILITARY RETIREMENT SYSTEM: 2022**

[As of September 30]

Category	Number of personnel		Monthly payment 1/ (\$1,000)	Average payment per person paid (dollars)
	Retired	Paid by DOD		
Department of Defense	18,051	16,783	48,227	2,874
By branch of service				
Army	7,239	6,480	18,188	2,807
Navy	4,811	4,605	13,903	3,019
Marine Corps	1,098	992	3,478	3,506
Air Force	4,903	4,706	12,657	2,690
By rank				
Officers	5,379	5,321	24,118	4,533
Nondisability and reserve	5,099	5,095	23,460	4,605
Disability	280	226	658	2,912
Enlisted	12,672	11,462	24,109	2,103
Nondisability and reserve	10,975	10,810	23,295	2,155
Disability	1,697	652	814	1,248
Department of Defense, concurrent receipt	7,945	(X)	15,797	1,988
Concurrent Retirement & Disability Pay (CRDP)	7,286	(X)	15,009	2,060
Nondisability	6,468	(X)	13,547	2,094
Disability	265	(X)	657	2,479
Reserve	553	(X)	805	1,456
Combat Related Special Compensation (CRSC)	659	(X)	788	1,196
Nondisability	299	(X)	486	1,625
Disability	296	(X)	240	811
Reserve	64	(X)	62	969
Military survivors, by branch of servicemember				
Receiving pay	(X)	2,453	3,197	1,303
Army	(X)	1,221	1,491	1,221
Navy	(X)	452	654	1,447
Marine Corps	(X)	118	205	1,737
Air Force	(X)	662	847	1,279

X Not applicable.

1/ 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.

Source: U.S. Department of Defense, Office of the Actuary, *Fiscal Year 2022 DOD Statistical Report on the Military Retirement System* (forthcoming) pp. 23 to 25 and 69; 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

<a href="#">11.01</a>	Temporary Assistance to Needy Families, Average Monthly, by Island: 2018 to 2022
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## 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.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey estimates were not disrupted and are included in this release.

**Table 11.01-- TEMPORARY ASSISTANCE TO NEEDY FAMILIES,  
AVERAGE MONTHLY, BY ISLAND: 2018 TO 2022**

[Fiscal year ending June 30. Aid to Families with Dependent Children (AFDC) became Temporary Assistance to Needy Families (TANF) effective FY 1998]

Category	State 1/	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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 2/	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 2/	2,273	1,264	680	98	231	(NA)	173	58
2020								
Cases	3,898	2,129	1,157	188	424	(NA)	336	88
Recipients	10,518	5,776	3,131	491	1,121	(NA)	849	272
Expenditures 2/	2,326	1,279	698	105	245	(NA)	190	55
2021								
Cases	5,330	2,876	1,419	314	721	(NA)	633	88
Recipients	15,432	8,357	3,999	942	2,135	(NA)	1,860	275
Expenditures 2/	3,243	1,758	865	189	431	(NA)	376	55
2022								
Cases	4,217	2,370	1,146	199	502	(NA)	428	74
Recipients	11,944	6,794	3,157	580	1,413	(NA)	1,200	213
Expenditures 2/	2,797	1,586	761	128	322	(NA)	272	50

NA Not available.

1/ Counties might not add to State total due to rounding.

2/ 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: 2018 TO 2022**

[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 1/	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
2018								
Cases	680	506	117	18	39	(NA)	35	4
Recipients	2,210	1,678	374	46	112	(NA)	98	14
Expenditures 2/	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 2/	306	220	57	8	20	(NA)	19	1
2020								
Cases	675	478	145	15	38	(NA)	37	1
Recipients	2,283	1,622	510	43	107	(NA)	104	3
Expenditures 2/	382	265	89	8	21	(NA)	20	-
2021								
Cases	1,452	978	307	49	119	(NA)	117	2
Recipients	5,422	3,593	1,227	182	420	(NA)	414	6
Expenditures 2/	902	591	207	31	73	(NA)	72	1
2022								
Cases	925	674	158	28	65	(NA)	62	3
Recipients	3,392	2,447	611	99	235	(NA)	222	13
Expenditures 2/	599	427	113	18	41	(NA)	40	2

NA Not available.

1/ Counties might not add to State total due to rounding.

2/ 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: 1988 TO 2022**

[Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2020	83,414	47,848	22,297	4,286	8,984	195	7,654	1,136
2021	103,256	59,406	25,939	5,598	12,313	229	10,884	1,200
2022	100,706	58,946	24,717	5,351	11,692	205	10,343	1,144

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: 1989 TO 2022**

[Fiscal year ending June 30]

Year	State 1/	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2020	159,734	92,589	41,915	8,109	17,121	382	14,327	2,412
2021	190,790	110,685	47,261	10,307	22,537	451	19,575	2,511
2022	178,486	105,531	43,332	9,425	20,198	375	17,457	2,365

NA Not available.

1/ Counties might not add to State total due to rounding.

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: 1998 TO 2022**

[In dollars. Fiscal year ending June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
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
2020	503,961,097	290,395,894	133,597,284	25,602,175	54,365,744	1,209,764	45,571,066	7,584,914
2021	841,634,800	487,344,732	208,241,071	45,806,734	100,242,263	1,958,460	87,531,048	10,752,755
2022	956,336,209	564,193,788	232,619,896	50,255,256	109,267,269	1,979,729	95,114,434	12,173,106

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: 2019 TO 2021**

[December data. Based on Master Beneficiary Record, 100 percent data]

<b>Age and sex</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Total	277,013	282,623	286,863
17 or under	10,261	10,053	9,842
18 to 54	10,886	10,568	10,270
55 to 61	8,586	8,416	7,949
62 to 64	17,509	16,993	16,626
65 to 69	63,289	63,656	62,800
70 to 74	65,008	68,073	69,749
75 to 79	42,422	45,027	48,615
80 to 84	26,211	26,944	28,298
85 to 89	17,935	17,834	17,632
90 to 99	14,321	14,422	14,385
100 or older	585	637	697
Adult beneficiaries 1/	263,323	269,118	273,574
Men	120,558	123,386	125,528
Women	142,765	145,732	148,046

1/ A person older than 21, aged 18-21 who is not regularly attending school, or a person under 21 who is married or the head of household.

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/2022/5j.pdf>> accessed June 2, 2023.

**Table 11.07-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFICIARIES AND BENEFITS IN CURRENT-PAYMENT STATUS, BY TYPE OF BENEFIT: 2020 AND 2021**

[December data. Based on Master Beneficiary Record, 100 percent data]

Type of benefit	OASDI beneficiaries		Monthly benefits (\$1,000)	
	2020	2021	2020	2021
Total	282,623	286,863	410,831	449,099
Retirement	238,034	243,027	356,695	392,141
Retired workers	225,111	230,841	346,553	382,062
Spouses	9,096	8,470	7,334	7,130
Children	3,827	3,716	2,808	2,949
Survivors	20,653	20,576	26,200	27,949
Widow(er)s and parents	14,502	14,341	20,243	21,485
Children	6,151	6,235	5,957	6,464
Disability	23,936	23,260	27,935	29,010
Disabled workers	20,090	19,617	26,416	27,462
Spouses	319	305	120	119
Children	3,527	3,338	1,399	1,429
Age 65 and over	236,593	242,176	360,312	396,695
Men	107,330	109,906	178,138	195,973
Women	129,263	132,270	182,174	200,721

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/2022/5j.pdf>> accessed June 2, 2023.

**Table 11.08-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFICIARIES IN CURRENT-PAYMENT STATUS, BY COUNTY: 2021**

[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	286,863	230,841	8,470	3,716	14,341	6,235	19,617	305	3,338	109,906	132,270
Hawaii	49,965	39,215	1,140	670	2,445	1,120	4,555	50	770	19,430	21,010
Honolulu	186,415	150,610	6,155	2,295	9,610	4,000	11,495	215	2,035	70,520	89,025
Kalawao	5	5	-	-	-	-	-	-	-	-	5
Kauai	16,990	13,975	425	285	790	330	1,020	20	145	6,850	7,525
Maui	33,490	27,035	750	465	1,495	785	2,550	20	390	13,105	14,705

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 2021*, table 4

<[https://www.ssa.gov/policy/docs/statcomps/oasdi\\_sc/2021/hi.pdf](https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2021/hi.pdf)> accessed June 2, 2023.

**Table 11.09-- OLD AGE, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS IN CURRENT-PAYMENT STATUS, BY COUNTY: 2021**

[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	449,099	382,062	7,130	2,949	21,485	6,464	27,462	119	1,429	195,973	200,721
Hawaii	74,455	61,697	953	493	3,647	1,076	6,270	20	299	32,969	30,531
Honolulu	296,353	253,754	5,164	1,847	14,329	4,236	16,054	80	889	127,833	137,090
Kalawao	6	5	-	-	-	-	-	-	-	-	4
Kauai	26,117	22,461	367	235	1,197	347	1,432	8	71	11,929	11,079
Maui	52,168	44,145	645	374	2,312	806	3,706	10	170	23,240	22,017

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 2020*, table 5  
 <[https://www.ssa.gov/policy/docs/statcomps/oasdi\\_sc/2021/hi.pdf](https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2021/hi.pdf)> accessed June 2, 2023.

**Table 11.10-- NUMBER AND PERCENT RECEIVING OLD AGE, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS FOR HAWAII AND THE UNITED STATES: 2021**

[December data. Based on Master Beneficiary Record, 100 percent data]

Area	Total population		Aged 65 or older	
	Number 1/	Percentage receiving benefits	Number 1/	Percentage receiving benefits
Hawaii	1,441,553	19.9	282,304	85.8
United States	331,893,745	19.2	55,847,953	88.7

1/ Population estimates as of July 1, 2021, as reported by the U.S. Census Bureau.

Source: Social Security Administration, *OASDI Beneficiaries by State and County 2021*, table 1  
 <[https://www.ssa.gov/policy/docs/statcomps/oasdi\\_sc/2021/hi.pdf](https://www.ssa.gov/policy/docs/statcomps/oasdi_sc/2021/hi.pdf)> accessed June 2, 2023.

**Table 11.11-- SOCIAL SECURITY BENEFICIARIES AND BENEFITS PAID:  
1991 TO 2021**

[December data. Prior to 2006 based on 10 percent samples; 2006 and after based on Master Beneficiary Record, 100 percent data]

<b>Year</b>	<b>Number of beneficiaries 1/</b>	<b>Monthly benefits 1/ (\$1,000)</b>	<b>Estimated total annual benefits paid (million dollars)</b>
1991	151,390	85,182	971
1992	154,950	90,840	1,041
1993	158,370	95,812	1,106
1994	161,840	101,506	1,169
1995	168,020	107,600	1,243
1996	169,300	113,990	1,317
1997	172,050	119,266	1,385
1998	174,850	124,320	1,453
1999	179,150	131,387	1,517
2000	184,140	142,159	1,628
2001	188,920	151,425	1,752
2002	193,220	158,309	1,855
2003	195,430	165,897	1,938
2004	199,240	175,645	2,039
2005	202,890	187,948	2,162
2006	204,207	197,311	2,277
2007	207,992	207,882	2,422
2008	212,890	227,489	2,557
2009	220,491	238,128	2,813
2010	227,914	248,933	2,940
2011	234,314	267,756	3,056
2012	240,456	282,090	3,276
2013	246,477	296,423	3,447
2014	251,591	310,833	3,613
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
2019	277,013	390,967	4,546
2020	282,623	410,831	4,790
2021	286,863	449,099	5,001

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/2022/5j.pdf>> accessed June 2, 2023.



**Table 11.12-- MEDICARE BENEFICIARIES ENROLLED: 2019 TO 2021**

Coverage	All persons			Persons 65 and over		
	2019	2020	2021	2019	2020	2021
Hospital (Part A) and/or supplementary medical insurance (Part B)	274,091	281,164	288,450	252,004	259,824	267,723
Hospital insurance (Part A and B, and Part A only)	273,559	280,787	288,053	251,472	259,448	267,328
Hospital insurance (Part A only)	37,472	38,069	37,258	35,061	35,765	35,132
Supplementary medical insurance (Part A and B, and Part B only)	236,619	243,095	251,192	216,943	224,059	232,591
Supplementary medical insurance (Part B only)	532	377	397	532	376	395
Hospital (Part A) and supplementary medical insurance (Part B)	236,087	242,718	250,795	216,411	223,683	232,196

Source: U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services <<https://data.cms.gov/summary-statistics-on-beneficiary-enrollment/medicare-and-medicare-reports/cms-program-statistics-medicare-total-enrollment>> accessed June 2, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 11.13-- SENIOR MEDICARE ENROLLEES, BY COUNTY: 2013 TO 2022**

[For persons 65 years and over]

<b>Year</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kauai</b>	<b>Maui</b>
2013	29,131	145,098	10,837	20,712
2014	30,815	149,557	11,351	21,809
2015	32,581	153,620	11,947	22,998
2016	34,337	157,531	12,517	24,175
2017	36,205	161,457	13,107	25,432
2018	37,974	165,924	13,668	26,650
2019	39,783	170,176	14,182	27,863
2020	41,624	174,446	14,754	28,999
2021	43,627	178,643	15,264	30,186
2022	45,201	182,501	15,709	31,143

Source: U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services, Office of Information Services <<https://data.cms.gov/summary-statistics-on-beneficiary-enrollment/medicare-and-medicare-reports/medicare-monthly-enrollment>> accessed June 5, 2023.

**TABLE 11.14-- DISABILITY STATUS AND NUMBER OF PERSONS WITH A DISABILITY, FOR THE STATE AND OAHU: 2021**

[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		Oahu	
	Male	Female	Male	Female
Age under 5 years				
With any disability	171	345	171	173
With a hearing difficulty	171	207	171	35
With a vision difficulty	56	310	56	138
Age 5 to 17 years				
With any disability	6,861	1,702	4,382	895
With a hearing difficulty	516	147	487	42
With a vision difficulty	147	162	124	111
With a cognitive difficulty	5,681	1,418	3,581	767
With an ambulatory difficulty	934	347	922	228
With a self-care difficulty	1,856	332	1,089	213
Age 18 to 34 years				
With any disability	8,952	7,088	4,273	4,835
With a hearing difficulty	1,371	989	1,154	714
With a vision difficulty	2,552	672	602	281
With a cognitive difficulty	5,754	4,451	2,936	2,754
With an ambulatory difficulty	2,015	1,362	848	671
With a self-care difficulty	1,003	597	341	206
With an independent living difficulty	4,397	2,843	1,887	2,013
Age 35 to 64 years				
With any disability	29,040	24,178	18,748	15,374
With a hearing difficulty	7,425	4,010	4,267	2,450
With a vision difficulty	4,689	4,425	2,898	3,146
With a cognitive difficulty	13,084	8,948	8,737	5,806
With an ambulatory difficulty	11,454	11,825	8,290	7,704
With a self-care difficulty	5,571	3,911	4,057	2,144
With an independent living difficulty	10,415	8,627	7,310	5,301

Continued on next page.

**TABLE 11.14-- DISABILITY STATUS AND NUMBER OF PERSONS WITH A DISABILITY, FOR THE STATE AND OAHU: 2021 -- Con.**

Age and disability status	State		Oahu	
	Male	Female	Male	Female
65 to 74 years				
With any disability	18,230	15,148	10,369	9,659
With a hearing difficulty	8,207	3,107	4,235	1,943
With a vision difficulty	2,440	2,801	1,157	1,731
With a cognitive difficulty	4,283	3,378	2,785	1,740
With an ambulatory difficulty	10,232	9,209	5,647	5,855
With a self-care difficulty	2,898	2,192	1,817	1,542
With an independent living difficulty	4,793	5,626	3,052	3,682
75 years and over				
With any disability	21,706	32,657	15,989	23,897
With a hearing difficulty	12,358	11,322	8,669	8,053
With a vision difficulty	2,782	5,092	1,550	3,235
With a cognitive difficulty	5,642	11,783	3,858	8,520
With an ambulatory difficulty	10,465	23,380	7,977	17,212
With a self-care difficulty	4,977	10,413	4,227	6,946
With an independent living difficulty	9,439	20,914	7,673	15,825

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates Detailed Tables, tables B18102, B18103, B18104, B18105, B18106 and B18107  
 <<https://data.census.gov/cedsci/table?q=disability>> accessed June 5, 2023.

**Table 11.15-- PERSONS SERVED BY STATE HOMELESS PROGRAMS,  
BY COUNTY: 2011 TO 2017**

[Fiscal year ending June 30]

<b>Year and program</b>	<b>State</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Maui County</b>	<b>Kauai County</b>
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
Marshallese	190	300	325	219
Micronesian	327	511	451	424
Other Asian	352	306	343	339
Other Pacific Islander	351	336	352	370
Native American	155	161	159	161
Other / unknown	56	90	325	1,469
Hawaii residence				
1 year or less	585	431	731	(NA)
More than 1 year, less than 10 years	979	1,227	1,300	(NA)
10 years to less than 20 years	563	663	646	(NA)
20 years and over	3,348	3,311	3,473	(NA)

Continued on next page.

**Table 11.16-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE STATE HOMELESS OUTREACH PROGRAMS: 2013 TO 2016 -- Con.**

Subject	Participants			
	2013	2014	2015	2016
Employment status				
Unemployed	5,125	5,300	5,298	2,781
Employed part-time	525	503	586	236
Employed full-time	172	344	402	188
Educational attainment				
Less than high school diploma 3/	1,391	1,482	1,471	746
High school diploma/GED	3,232	3,679	3,711	1,786
Some college or more	1,162	863	911	537
Length of homelessness 4/				
1 day or less	176	249	(NA)	(NA)
2 days to less than 1 month	1,107	1,191	(NA)	(NA)
1 month to less than 1 year	2,167	2,285	(NA)	(NA)
1 to 2 years	876	916	(NA)	(NA)
3 years or more	1,052	1,077	(NA)	(NA)

NA Not available.

1/ Does not include people identifying as 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 their 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/ Does not include people identifying as 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 their 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-- SELECTED CHARACTERISTICS OF HOMELESS PERSONS ON OAHU: 2023**

Subject	Total Point in Time Count	Sheltered	Unsheltered
Total	4,028	1,663	2,365
Region slept			
Region 1: Downtown Honolulu, Kalihi, Nuuanu	1,075	545	530
Region 2: East Oahu	617	89	528
Region 3: Ewa, Kapolei	693	392	301
Region 4: Kaneohe to Waimanalo	296	126	170
Region 5: Wahiawa to North Shore	152	-	152
Region 6: Upper Windward	80	26	54
Region 7 Waianae Coast	1,051	421	630
Unknown	64	64	-
Individual or household member			
Household	1,724	877	847
Individual	2,304	786	1,518
Persons In Household by Type (specific)			
Adult(s) and children	947	777	170
Multiple adults	757	98	659
Single adults	2,194	731	1,463
Unaccompanied youth and minors	130	57	73
Age categories			
0 to 17	559	471	88
18 to 24	209	96	113
25 and older	2,919	1,095	1,824
Adult unknown age	341	1	340
Race alone (HUD categories)			
Native Hawaiian or Pacific Islander	1,429	676	753
White	550	245	305
Asian or Asian American	392	162	230
Black, African, or African American	158	96	62
American Indian, Alaska Native or Indigenous	27	14	13
Multiple races	859	440	419
Other	98	24	74
Unknown	515	6	509

Source: Partners in Care - Oahu Continuum of Care, *Point in Time Count 2023, Comprehensive Report* (May 11, 2023) <<https://www.partnersincareoahu.org/>> accessed June 6, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 11.19-- HAWAII STATE EMPLOYEES' RETIREMENT SYSTEM:  
1995 TO 2022**

[As of June 30 unless otherwise noted]

Year	Member- ship 1/ 2/	Pensioners and bene- ficiaries 2/	Assets, 3/ (\$1,000)	Total benefits paid 4/ (\$1,000)	Average monthly pension 5/ (dollars)	Adminis- tration expenses 4/ (dollars)
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	2,504	13,798,866
2020	75,954	51,153	17,385,480	1,545,590	2,567	17,782,865
2021	74,572	52,618	21,935,792	1,651,431	2,641	19,049,861
2022	73,265	53,990	21,854,814	1,738,751	(NA)	17,497,621

NA Not available.

1/ Membership includes "active members" and "inactive, vested members."

2/ March 31 from 1992 through 2011, June 30 thereafter.

3/ Prior to 1997, assets are reported at cost. Effective 1997, assets are reported at fair value.

4/ Year ended June 30. Data on total benefits paid exclude the employers' share of social security contributions.

5/ As of March 31.

Source: Employees' Retirement System of the State of Hawaii, *Comprehensive Annual Financial Report*, Employees' Retirement System of the State of Hawaii, *Report to Board of Trustees on the Annual Actuarial Valuation* <<http://ers.hawaii.gov/resources/financials>> accessed June 7, 2023; and records.

**Table 11.20-- UNEMPLOYMENT INSURANCE: 1988 TO 2020**

[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				
1988	485,707	6,708	42.1	392.73	50,659	162.51	13.5
1989	508,673	5,238	40.3	415.75	40,833	170.03	12.0
1990	533,229	5,722	39.9	444.92	50,269	189.40	11.4
1991	541,415	8,106	51.3	463.43	83,530	205.70	13.0
1992	544,718	11,933	49.8	492.94	144,741	235.48	14.8
1993	542,333	13,227	52.1	503.02	165,877	246.31	17.6
1994	540,015	15,228	50.3	514.13	193,878	258.72	17.4
1995	535,640	15,819	49.1	518.88	208,316	262.21	16.0
1996	533,123	15,351	43.4	526.04	200,050	261.07	17.8
1997	534,210	13,819	38.7	545.20	176,659	259.30	17.1
1998	533,147	12,978	37.0	558.83	162,013	258.08	16.4
1999	536,979	11,042	35.2	573.11	140,528	265.78	16.5
2000	552,445	8,755	34.1	587.99	111,665	273.16	15.4
2001	556,447	11,884	43.0	601.21	150,142	282.46	12.8
2002	557,876	12,304	50.9	628.56	164,500	279.64	19.2
2003	568,549	10,669	45.2	649.31	144,864	297.67	15.7
2004	584,227	8,513	42.2	677.21	121,244	311.69	15.6
2005	602,837	6,569	37.1	699.36	97,794	328.44	14.2
2006	616,950	6,609	41.2	727.10	107,255	356.79	13.3
2007	624,931	7,032	40.2	759.24	121,595	373.53	13.6
2008	618,612	11,817	45.9	782.72	226,187	405.92	13.9
2009	591,054	20,484	48.6	795.90	401,227	411.08	18.9
2010	585,298	17,837	40.2	803.18	341,545	406.43	19.7
2011	592,537	14,721	32.6	817.49	278,391	405.08	18.4
2012	603,796	13,085	34.0	835.33	254,098	412.68	17.9
2013	617,022	11,670	37.7	843.89	227,929	415.82	16.7
2014	625,077	10,115	36.0	870.27	197,493	421.85	16.7
2015	636,403	7,891	34.3	900.48	157,488	432.89	15.3
2016	645,601	7,210	36.9	928.64	146,081	446.98	14.3
2017	652,259	7,815	50.6	955.93	174,256	483.53	15.6
2018	656,597	7,787	47.8	979.92	160,346	494.08	15.1
2019	654,989	6,685	39.8	1,015.93	161,167	514.40	15.3
2020	559,528	73,316	92.2	1,113.78	1,653,920	441.42	19.1

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](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](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]

<b>Subject</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012 1/</b>	<b>2013</b>
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
<b>Subject</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
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 organizations	Total assets	Total liabilities	Contributions, 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 organizations	Total assets	Total liabilities	Contributions, 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**  
**Number**   **Table Name**

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

Narrative

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

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

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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 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*.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey 1-year estimates are comparable to 2008 to 2019 and are included in Section 12 tables.

**Table 12.01-- LABOR FORCE STATUS, BY SEX: 2015 TO 2021**

[Data are based on a sample and are subject to sampling variability. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021* nor *Data Book 2022*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-acs-1-year-data.html>>]

<b>Sex and labor force status</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2021</b>
Both sexes						
Persons 16 years & over	1,152,884	1,152,321	1,153,457	1,147,756	1,147,569	1,166,220
Labor force	754,691	756,610	753,340	752,795	745,236	739,336
Percent in labor force	65.5	65.7	65.3	65.6	64.9	59.2
Armed forces	44,452	38,327	43,073	40,660	46,356	49,136
Civilian labor force	710,239	718,283	710,267	712,135	698,880	690,200
Employed	675,214	686,487	680,505	684,905	671,768	636,963
Unemployed	35,025	31,796	29,782	27,230	27,112	53,237
% of civ. lab. force	4.9	4.4	4.2	3.8	3.9	7.7
Not in labor force	398,193	395,711	400,117	394,961	402,333	426,884
Male						
Persons 16 years & over	582,188	576,426	575,702	572,111	569,056	582,516
Labor force	412,721	408,395	406,005	400,523	393,021	390,423
Percent in labor force	70.9	70.8	70.5	70.0	69.1	58.6
Armed forces	40,417	33,604	38,087	35,068	39,213	40,482
Civilian labor force	372,304	374,791	367,918	365,455	353,808	349,941
Employed	354,372	357,986	352,523	350,203	339,001	322,938
Unemployed	17,932	16,805	15,415	15,252	14,807	27,003
% of civ. lab. force	4.8	4.5	3.8	4.2	4.2	7.7
Not in labor force	169,467	168,031	169,697	171,588	176,035	192,093
Female						
Persons 16 years & over	570,696	575,895	577,755	575,645	578,513	583,704
Labor force	341,970	348,215	347,335	352,272	352,215	348,913
Percent in labor force	59.9	60.5	60.1	61.2	60.9	59.8
Armed forces	4,035	4,723	4,986	5,592	7,143	8,654
Civilian labor force	337,935	343,492	342,349	346,680	345,072	340,259
Employed	320,842	328,501	327,982	334,702	332,767	314,025
Unemployed	17,093	14,991	14,367	11,978	12,305	26,234
% of civ. lab. force	5.1	4.4	4.1	3.5	3.6	7.7
Not in labor force	228,726	227,680	230,420	223,373	226,298	234,791

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates: Hawaii "DP03 Selected Economic Characteristics" (annual) <<https://data.census.gov>> accessed January 10, 2023; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 12.02-- LABOR FORCE CHARACTERISTICS, BY COUNTY: 2017-2021**

[In number and percent. Average of 2017-2021. Data are based on a sample and are subject to sampling variability]

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Population 16 to 64 years	905,722	119,347	640,633	37	43,999	101,706
Male	464,879	59,392	332,728	24	22,057	50,678
Worked in past 12 months (percent)	82.7	75.1	84.3	79.2	81.6	82.1
Usually worked 35 or more hours per week (percent)	69.0	58.9	71.3	79.2	67.0	66.7
50 to 52 weeks (percent)	60.3	50.2	63.0	66.7	56.2	56.3
Female	440,843	59,955	307,905	13	21,942	51,028
Worked in past 12 months (percent)	76.9	73.3	76.9	84.6	80.2	79.7
Usually worked 35 or more hours per week (percent)	55.8	50.6	56.0	84.6	58.2	59.5
50 to 52 weeks (percent)	48.6	43.6	49.1	76.9	50.5	50.6
Females 16 years and over	586,446	81,844	407,725	22	29,830	67,025
In labor force	357,237	46,951	248,231	12	19,005	43,038
Employed or in armed forces	339,645	43,825	237,075	12	18,307	40,426
Own children under 18 years in families and subfamilies	288,722	40,321	200,841	-	14,651	32,909
Under 6 years	97,650	13,024	69,362	-	4,683	10,581
All parents in family in labor force	63,875	8,797	43,634	-	3,424	8,020
All parents in family in labor force (percent)	65.4	67.5	62.9	0.0	73.1	75.8
Living with two parents, both parents in labor force	39,022	3,746	28,343	-	1,940	4,993
Living with two parents, mother only in labor force	2,532	310	1,950	-	84	188
Living with one parent (mother), mother in labor force	17,232	3,149	10,921	-	957	2,205

Source: U.S. Census Bureau, 2017-2021 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: 2017-2021" <<https://data.census.gov/>> accessed March 20, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.03-- SELECTED LABOR FORCE AND COMMUTING CHARACTERISTICS, BY COUNTY: 2017-2021**

[Average of 2017-2021. Data are based on a sample and are subject to sampling variability]

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Employment status						
Population 16 years and over	1,174,511	162,088	821,265	47	58,868	132,243
In labor force	764,801	96,234	543,130	31	38,211	87,195
Civilian labor force	717,453	95,926	496,987	31	37,972	86,537
Employed	680,301	89,319	473,065	31	36,294	81,592
Unemployed	37,152	6,607	23,922	-	1,678	4,945
Percent unemployed	5.2	6.9	4.8	0.0	4.4	5.7
Armed forces	47,348	308	46,143	-	239	658
Not in labor force	409,710	65,854	278,135	16	20,657	45,048
Females 16 years and over						
In labor force	357,237	46,951	248,231	12	19,005	43,038
Civilian labor force	349,971	46,806	241,296	12	18,957	42,900
Employed	332,379	43,680	230,140	12	18,259	40,288
Own children under 6 years	97,650	13,024	69,362	-	4,683	10,581
All parents in family						
in labor force 1/	63,875	8,797	43,634	-	3,424	8,020
Commuting to work						
Workers 16 years and over	707,605	86,650	506,185	31	34,780	79,959
Car, truck, or van - drove alone	475,631	60,935	330,835	19	25,979	57,863
Car, truck or van - carpooled	95,425	13,486	67,058	3	4,253	10,625
Public trans. (excluding taxicab)	34,618	672	31,987	1	317	1,641
Walked	31,226	1,901	26,405	5	868	2,047
Other means	21,451	1,435	17,601	2	430	1,983
Worked at home	49,254	8,221	32,299	1	2,933	5,800
Mean travel time to work (min.)	26.8	27.1	27.9	4.7	21.1	21.9

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, 2017-2021 American Community Survey 5-Year Estimates, "DP03 Selected Economic Characteristics: 2017-2021 State of Hawaii, and County: Honolulu, Hawaii, Kauai, Maui, Kalawao" <<https://data.census.gov/>> accessed March 20, 2023.

**Table 12.04-- LABOR FORCE STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS AND OVER: ANNUAL AVERAGE, 2020 AND 2021**

[Numbers in thousands and percent. The source sample was redesigned to reflect the 2010 population and incorporated other changes, including collapsed age categories]

Population group	Persons 16 years and over			16 to 19 years (both sexes)	20 to 24 years (both sexes)
	Both sexes	Men	Women		
2020					
Civilian noninstitutional population	1,086	523	563	64	83
Civilian labor force	647	336	311	20	53
Percent of population	59.6	64.2	55.2	30.8	64.0
Employment	571	296	275	15	46
Percent of population	52.6	56.6	48.8	22.7	55.3
Unemployment	76	40	36	5	7
Rate	11.7	11.8	11.6	26.3	13.7
Not in civilian labor force	439	187	252	44	30
2021					
Civilian noninstitutional population	1/ 1,117	1/ 539	1/ 578	73	1/ 71
Civilian labor force	667	350	316	19	1/ 49
Percent of population	59.7	65.0	54.7	25.9	1/ 68.6
Employment	626	1/ 328	1/ 297	17	1/ 44
Percent of population	56.0	1/ 60.8	51.5	22.9	61.9
Unemployment	1/ 41	1/ 22	1/ 19	2	5
Rate	6.1	6.3	5.9	11.5	1/ 9.8
Not in civilian labor force	1/ 450	1/ 189	1/ 262	54	22

1/ Revised from previous *Data Book*.

Source: U.S. Bureau of Labor Statistics, *Local Area Unemployment Statistics*, "Expanded State Employment Status Demographic Data: "2020" and Ibid. "2021" <<https://www.bls.gov/lau/ex14tables.htm>> accessed January 10, 2023; 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: 2021**

[Totals may not add due to rounding. Estimates from 2021 Local Area Unemployment Statistics (LAUS) and based on U.S. Census Bureau, American Community Survey 5-year average 2006-2010]

Race or origin 1/	Civilian labor force	Employed	Unemployed	Unemployment rate (percent)
Total both sexes	668,400	630,200	38,250	5.7
Non-Hispanic or Latino				
One race (excluding Hispanic-Latino)				
White	161,100	151,550	9,550	5.9
Black or African American	8,350	7,850	550	6.4
American Indian and Alaska Native	950	950	50	3.0
Asian	276,050	267,100	8,950	3.2
Native Hawaiian and other Pacific Islander	58,650	53,350	5,300	9.0
Some other race	9,000	7,850	1,150	12.9
Two or more races	106,250	98,150	8,150	7.6
Hispanic or Latino	48,000	43,450	4,600	9.6
Minority group (excludes white, non-Hispanic)	507,350	478,650	28,700	5.7
Female	320,350	305,100	15,300	4.8
As percent of both sexes	47.9	48.4	40.0	(X)
Non-Hispanic or Latino				
One race (excluding Hispanic-Latino)				
White	71,750	68,000	3,750	5.2
Black or African American	3,200	3,000	150	5.3
American Indian and Alaska Native	500	500	(2/)	2.2
Asian	139,300	135,700	3,550	2.6
Native Hawaiian and other Pacific Islander	26,650	24,500	2,150	8.0
Some other race	4,250	3,750	500	12.2
Two or more races	51,250	48,150	3,100	6.0
Hispanic or Latino	23,450	21,450	2,000	8.6
Minority group (excludes white, non-Hispanic)	248,600	237,100	11,500	4.6

X Not applicable.

1/ Based on Census definitions. Race is classified by self-identification.

2/ Less than 25 but not equal to zero.

Source: Hawaii State Department of Labor & Industrial Relations, Labor Force Info for Affirmative Action Programs, "Table 1. Labor Force Information by Sex & Race: 2021" (April 2022)

<<https://www.hirenethawaii.com/vosnet/gsipub/documentView.aspx?enc=BVzGoQIQELb3tLn8116rDw==>> accessed July 11, 2022.

**Table 12.06-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE:  
ANNUAL AVERAGE, 1990 TO 2022**

[Data rounded to nearest 50, except percent unemployed which is rounded to 0.1 percent. Source benchmarked 2018 to 2022 data in March 2023, data for 2021 and 2022 reflect revised inputs, and data for 2010 to 2022 reflect revised population controls and model reestimation.

Year	Labor force	Employed	Unemployed	
			Number	Percent
1990	550,500	536,150	14,350	2.6
1991	564,850	549,050	15,800	2.8
1992	576,950	553,000	23,950	4.1
1993	582,100	556,750	25,400	4.4
1994	583,200	552,950	30,300	5.2
1995	585,350	553,100	32,250	5.5
1996	594,950	559,600	35,350	5.9
1997	601,750	566,000	35,750	5.9
1998	602,650	567,550	35,100	5.8
1999	603,650	572,300	31,350	5.2
2000	605,400	579,750	25,650	4.2
2001	607,550	579,900	27,650	4.6
2002	601,800	577,600	24,150	4.0
2003	603,950	580,350	23,600	3.9
2004	611,750	591,600	20,150	3.3
2005	625,550	607,850	17,700	2.8
2006	635,400	619,350	16,050	2.5
2007	636,700	619,200	17,500	2.7
2008	641,550	615,750	25,750	4.0
2009	631,950	589,800	42,150	6.7
2010	648,550	604,200	44,350	6.8
2011	660,650	615,450	45,150	6.8
2012	650,400	612,000	38,450	5.9
2013	651,000	620,000	30,950	4.8
2014	664,000	635,900	28,100	4.2
2015	670,600	647,600	23,000	3.4
2016	679,100	659,550	19,550	2.9
2017	695,300	679,850	15,450	2.2
2018	1/ 692,450	1/ 675,850	1/ 16,600	2.4
2019	1/ 686,100	1/ 668,750	1/ 17,350	2.5
2020	1/ 664,100	1/ 586,200	1/ 77,900	1/ 11.7
2021	1/ 670,000	1/ 629,650	1/ 40,350	1/ 6.0
2022	676,300	652,700	23,600	3.5

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, "State of Hawaii Not Seasonally Adjusted Civilian Labor Force" <<http://dbedt.hawaii.gov/economic/unemployment-statistics/>> accessed March 10, 2023.

**Table 12.07-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION FOR HAWAII AND THE UNITED STATES AVERAGE: 2010 TO 2022**

[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 week 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
<b>Hawaii</b>						
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
2020	5.3	10.1	11.7	11.9	12.9	19.4
2021	3.9	4.4	6.1	6.7	7.4	11.9
2022	1.5	1.4	3.7	3.8	4.4	7.5
<b>United States</b>						
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
2020	2.8	6.1	8.1	8.4	9.2	13.6
2021	2.8	3.2	5.3	5.6	6.4	9.4
2022	1.3	1.7	3.6	3.9	4.5	6.9

Source: U. S. Bureau of Labor Statistics, "Alternative Measures of Labor Underutilization for States, 2022 Annual Averages" (January 27, 2023) <<https://www.bls.gov/lau/stalt.htm>> and Archived Tables (annual) <<https://www.bls.gov/lau/stalt-archived.htm>> accessed January 30, 2023.

**Table 12.08-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION FOR THE 50 STATES AND THE UNITED STATES AVERAGE: 2022**

[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	3.6	3.9	4.5	6.9
Alabama	1.0	1.0	2.6	2.7	3.1	4.5
Alaska	1.0	2.3	4.4	4.8	6.0	8.2
Arizona	1.0	1.7	4.0	4.1	4.7	6.6
Arkansas	1.0	1.6	3.7	4.0	4.6	6.8
California	1.7	2.1	4.2	4.4	5.2	8.6
Colorado	1.0	1.3	3.1	3.2	3.5	6.5
Connecticut	1.8	2.1	4.2	4.4	5.0	7.8
Delaware	2.0	2.3	4.4	4.8	5.4	8.2
District of Columbia	2.6	2.3	4.6	4.9	5.9	7.8
Florida	1.0	1.3	2.8	3.1	3.7	6.1
Georgia	1.3	1.4	3.1	3.5	4.1	6.1
<b>Hawaii</b>	<b>1.5</b>	<b>1.4</b>	<b>3.7</b>	<b>3.8</b>	<b>4.4</b>	<b>7.5</b>
Idaho	0.6	1.4	2.8	2.9	3.2	5.5
Illinois	1.7	2.2	4.4	4.6	5.3	7.7
Indiana	0.7	1.4	3.2	3.3	3.7	5.7
Iowa	0.6	1.2	2.6	2.7	3.2	5.1
Kansas	0.6	1.2	2.7	2.8	3.1	4.9
Kentucky	1.0	1.3	3.8	4.0	4.6	6.3
Louisiana	1.3	1.8	3.6	4.1	4.7	7.1

Continued on next page.

**Table 12.08-- ALTERNATIVE MEASURES OF LABOR UNDERUTILIZATION  
FOR THE 50 STATES AND THE UNITED STATES AVERAGE: 2022 -- Con.**

Year	Unemployment rate					
	U-1	U-2	U-3	U-4	U-5	U-6
Maine	0.8	1.8	3.5	3.5	3.8	5.9
Maryland	1.1	1.2	3.2	3.5	4.2	5.9
Massachusetts	1.2	1.5	3.4	3.6	4.2	6.3
Michigan	1.4	1.9	4.1	4.3	5.0	6.8
Minnesota	0.6	1.2	2.6	2.8	3.3	4.8
Mississippi	1.6	1.7	3.9	4.3	4.9	6.7
Missouri	0.6	1.1	2.7	2.9	3.4	5.1
Montana	0.5	1.2	2.7	2.8	3.3	5.5
Nebraska	0.6	1.2	2.5	2.5	2.9	4.8
Nevada	2.3	2.4	5.4	5.6	6.5	9.4
New Hampshire	0.8	1.3	2.8	2.9	3.4	4.8
New Jersey	1.8	2.1	3.8	4.1	4.7	6.9
New Mexico	1.3	1.5	4.0	4.2	4.9	7.3
New York	2.0	2.2	4.4	4.9	5.7	8.7
North Carolina	1.1	1.5	3.7	4.0	4.7	7.1
North Dakota	0.4	0.6	1.8	1.9	2.2	3.3
Ohio	1.2	1.5	3.9	4.0	4.8	6.9
Oklahoma	1.1	1.8	3.7	3.9	4.6	6.8
Oregon	1.3	1.8	4.2	4.4	5.2	7.5
Pennsylvania	1.3	2.1	4.1	4.4	5.1	7.4
Rhode Island	1.1	1.9	3.5	3.6	4.2	6.3
South Carolina	1.3	1.3	3.4	3.6	4.4	6.5
South Dakota	0.4	0.7	1.8	1.9	2.3	4.2
Tennessee	1.1	1.5	3.5	3.7	4.2	6.1
Texas	1.2	1.8	3.8	4.0	4.5	7.1
Utah	0.6	0.9	2.4	2.5	2.9	4.4
Vermont	0.7	1.4	2.5	2.6	3.2	4.7
Virginia	0.7	1.1	2.8	3.0	3.5	5.7
Washington	1.5	1.8	4.4	4.6	5.2	7.5
West Virginia	1.5	1.8	3.8	4.0	4.5	6.8
Wisconsin	0.9	1.9	3.2	3.4	3.8	5.7
Wyoming	1.1	1.5	3.5	3.6	4.0	6.2

Source: U. S. Bureau of Labor Statistics, "Alternative Measures of Labor Underutilization for States, 2022 Annual Averages" (January 27, 2023) <<https://www.bls.gov/lau/stalt.htm>> accessed January 30, 2023.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,  
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2022**

[Data rounded to nearest 50, except percent unemployed which is rounded to 0.1 percent. Source benchmarked 2018 to 2022 data in March 2023, data for 2021 and 2022 reflect revised inputs, and data for 2010 to 2022 reflect revised population controls and model reestimation.

Year	State	Honolulu	Hawaii	Kauai	Maui
Civilian labor force					
1990	550,500	408,700	58,350	26,100	57,300
1991	564,850	413,350	62,800	28,150	60,550
1992	576,950	418,850	64,300	28,950	64,850
1993	582,100	423,500	64,900	28,200	65,550
1994	583,200	423,500	65,200	28,450	66,050
1995	585,350	425,000	64,950	28,650	66,750
1996	594,950	430,650	67,200	28,950	68,150
1997	601,750	433,550	69,350	28,850	70,000
1998	602,650	433,400	69,350	29,000	70,900
1999	603,650	431,100	70,500	29,400	72,700
2000	605,400	430,500	73,800	30,200	70,900
2001	607,550	429,800	75,350	30,100	72,300
2002	601,800	424,800	75,550	30,000	71,450
2003	603,950	425,050	76,850	30,700	71,350
2004	611,750	428,600	78,450	31,250	73,500
2005	625,550	438,300	80,600	31,850	74,850
2006	635,400	442,800	83,450	32,350	76,850
2007	636,700	441,350	84,550	32,600	78,250
2008	641,550	445,350	85,000	32,750	78,400
2009	631,950	440,300	83,750	31,950	75,950
2010	648,550	445,100	88,550	34,950	79,900
2011	660,650	454,250	89,500	35,600	81,300
2012	650,400	448,000	87,300	34,750	80,400
2013	651,000	448,700	86,850	34,700	80,750
2014	664,000	457,050	88,400	35,350	83,200
2015	670,600	460,600	89,400	35,850	84,750
2016	679,100	463,350	92,450	36,600	86,700
2017	695,300	472,600	95,100	37,850	89,800
2018 1/	692,450	469,800	94,800	37,550	90,350
2019 1/	686,100	464,850	93,800	37,750	89,700
2020 1/	664,100	450,650	91,900	36,400	85,150
2021 1/	670,000	452,600	93,900	36,200	87,300
2022	676,300	458,150	94,250	36,650	87,250

Continued on next page.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,  
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2022 -- Con.**

Year	State	Honolulu	Hawaii	Kauai	Maui
Civilian employed					
1990	536,150	400,150	56,150	25,100	54,750
1991	549,050	404,850	59,950	27,000	57,300
1992	553,000	407,450	59,600	26,200	59,750
1993	556,750	410,200	59,950	24,550	62,050
1994	552,950	406,700	59,100	24,950	62,200
1995	553,100	406,650	58,700	25,600	62,200
1996	559,600	409,500	61,000	25,650	63,500
1997	566,000	412,250	62,800	25,800	65,100
1998	567,550	411,750	63,100	26,300	66,400
1999	572,300	411,400	64,800	27,300	68,850
2000	579,750	412,800	70,100	28,750	68,100
2001	579,900	411,950	71,550	28,550	69,350
2002	577,600	408,150	72,100	28,700	68,700
2003	580,350	409,000	73,250	29,450	68,700
2004	591,600	414,900	75,350	30,150	71,200
2005	607,850	426,250	77,850	30,950	72,850
2006	619,350	431,950	80,950	31,550	75,000
2007	619,200	429,950	81,600	31,700	75,950
2008	615,750	429,400	80,250	31,250	74,850
2009	589,800	415,500	75,750	29,050	69,500
2010	604,200	418,950	80,000	32,000	73,250
2011	615,450	427,300	80,750	32,550	74,900
2012	612,000	424,100	80,250	32,300	75,350
2013	620,000	429,200	81,300	32,800	76,700
2014	635,900	438,900	83,700	33,700	79,600
2015	647,600	445,700	85,700	34,500	81,750
2016	659,550	450,750	89,250	35,450	84,100
2017	679,850	462,550	92,650	37,000	87,650
2018	1/ 675,850	1/ 458,950	92,050	1/ 36,650	88,200
2019 1/	668,750	453,650	90,800	36,800	87,500
2020 1/	586,200	404,350	81,400	30,450	70,000
2021 1/	629,650	427,300	88,450	33,250	80,650
2022	652,700	442,300	90,800	35,350	84,250

Continued on next page.

**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,  
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2022 -- Con.**

Year	State	Honolulu	Hawaii	Kauai	Maui
Unemployed					
1990	14,350	8,550	2,200	1,000	2,550
1991	15,800	8,500	2,850	1,150	3,300
1992	23,950	11,350	4,700	2,750	5,100
1993	25,400	13,300	4,950	3,650	3,500
1994	30,300	16,800	6,100	3,550	3,850
1995	32,250	18,350	6,250	3,100	4,600
1996	35,350	21,200	6,200	3,300	4,650
1997	35,750	21,300	6,550	3,050	4,850
1998	35,100	21,700	6,250	2,700	4,500
1999	31,350	19,700	5,700	2,100	3,850
2000	25,650	17,700	3,700	1,450	2,800
2001	27,650	17,900	3,800	1,550	2,950
2002	24,150	16,650	3,450	1,300	2,750
2003	23,600	16,050	3,600	1,250	2,700
2004	20,150	13,700	3,100	1,050	2,300
2005	17,700	12,050	2,750	900	2,000
2006	16,050	10,900	2,500	800	1,850
2007	17,500	11,400	2,950	850	2,250
2008	25,750	15,950	4,750	1,500	3,550
2009	42,150	24,800	8,000	2,900	6,500
2010	44,350	26,150	8,550	3,000	6,650
2011	45,150	26,950	8,750	3,050	6,400
2012	38,450	23,900	7,050	2,450	5,050
2013	30,950	19,500	5,550	1,850	4,050
2014	28,100	18,200	4,700	1,650	3,600
2015	23,000	14,950	3,750	1,350	2,950
2016	19,550	12,650	3,250	1,100	2,550
2017	15,450	10,050	2,450	800	2,100
2018	1/ 16,600	1/ 10,850	1/ 2,750	900	2,100
2019 1/	17,350	11,200	3,050	950	2,200
2020 1/	77,900	46,300	10,500	5,900	15,200
2021 1/	40,350	25,250	5,450	2,950	6,700
2022	23,600	15,850	3,450	1,300	3,050

Continued on next page.



**Table 12.09-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,  
BY COUNTY: ANNUAL AVERAGE, 1990 TO 2022 -- Con.**

Year	State	Honolulu	Hawaii	Kauai	Maui
Percent unemployed					
1990	2.6	2.1	3.8	3.8	4.5
1991	2.8	2.1	4.5	4.1	5.4
1992	4.1	2.7	7.3	9.5	7.9
1993	4.4	3.1	7.6	13.0	5.4
1994	5.2	4.0	9.3	12.4	5.9
1995	5.5	4.3	9.6	10.8	6.9
1996	5.9	4.9	9.3	11.4	6.8
1997	5.9	4.9	9.5	10.5	6.9
1998	5.8	5.0	9.0	9.3	6.3
1999	5.2	4.6	8.1	7.1	5.3
2000	4.2	4.1	5.0	4.8	3.9
2001	4.6	4.2	5.1	5.1	4.1
2002	4.0	3.9	4.6	4.4	3.9
2003	3.9	3.8	4.7	4.0	3.8
2004	3.3	3.2	3.9	3.4	3.1
2005	2.8	2.7	3.4	2.8	2.7
2006	2.5	2.5	3.0	2.5	2.4
2007	2.7	2.6	3.5	2.7	2.9
2008	4.0	3.6	5.6	4.5	4.5
2009	6.7	5.6	9.5	9.1	8.5
2010	6.8	5.9	9.6	8.5	8.3
2011	6.8	5.9	9.8	8.6	7.9
2012	5.9	5.3	8.1	7.1	6.3
2013	4.8	4.3	6.4	5.4	5.0
2014	4.2	4.0	5.3	4.6	4.3
2015	3.4	3.2	4.2	3.8	3.5
2016	2.9	2.7	3.5	3.1	3.0
2017	2.2	2.1	2.6	2.2	2.3
2018	2.4	2.3	1/ 2.9	2.4	2.3
2019	2.5	1/ 2.4	1/ 3.2	1/ 2.5	2.4
2020 1/	11.7	10.3	11.4	16.2	17.8
2021 1/	6.0	5.6	5.8	8.1	7.7
2022	3.5	3.5	3.6	3.6	3.5

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, "State of Hawaii, Honolulu MSA, Hawaii County, Kauai County and Maui County Not Seasonally Adjusted Civilian Labor Force" <<http://dbedt.hawaii.gov/economic/unemployment-statistics/>> accessed March 10, 2023.

**Table 12.10-- UNEMPLOYMENT INSURANCE BENEFITS AND DURATION  
FOR THE UNITED STATES, THE 50 STATES, DISTRICT OF COLUMBIA,  
PUERTO RICO AND THE VIRGIN ISLANDS: 2022 4TH QUARTER**

<b>Area</b>	<b>State regular benefits paid (\$1,000) 1/</b>	<b>State extended benefits paid (\$1,000) 1/</b>	<b>Average weekly benefit amt. (dollars) 2/</b>	<b>Average duration (weeks) 3/</b>	<b>Average benefits per first payment (dollars) 4/</b>
United States	5,841,143	15,730.3	415.94	14.21	5,560
Alabama	12,139	-	247.79	7.72	1,897
Alaska	15,189	4.4	287.13	16.56	4,639
Arizona	50,890	15.0	290.11	13.06	3,340
Arkansas	15,425	3.3	296.65	9.17	2,512
California	1,189,715	861.6	355.53	16.25	5,464
Colorado	108,188	98.2	528.75	12.52	6,007
Connecticut	90,612	55.8	452.59	12.71	5,183
Delaware	11,060	9.6	311.52	15.28	4,576
Dist. of Columbia	12,712	-	390.73	16.15	6,163
Florida	88,967	18.2	254.38	9.84	2,443
Georgia	66,061	-	330.35	9.73	3,064
<b>Hawaii</b>	<b>34,795</b>	<b>172.7</b>	<b>578.62</b>	<b>15.50</b>	<b>8,043</b>
Idaho	18,818	-	405.11	8.76	3,294
Illinois	327,617	21.9	452.48	14.95	6,564
Indiana	49,260	2.9	311.08	11.11	3,264
Iowa	45,805	-	485.53	10.69	4,921
Kansas	21,777	14.1	450.69	10.30	4,386
Kentucky	44,115	-	422.40	18.42	7,342
Louisiana	22,656	-	235.08	15.91	3,510
Maine	16,256	6.9	422.18	13.52	5,296
Maryland	78,457	2.6	371.96	16.44	5,767
Massachusetts	345,930	133.5	644.63	16.12	9,557
Michigan	132,725	1,026.0	359.19	10.48	3,651
Minnesota	191,329	0.1	546.78	15.71	7,968
Mississippi	9,283	-	223.27	10.39	2,265
Missouri	37,557	0.0	283.30	11.91	3,201
Montana	19,857	-	471.01	10.91	4,616
Nebraska	10,914	-	402.18	11.47	4,347
Nevada	67,431	42.0	420.97	13.21	5,002
New Hampshire	5,300	-	355.87	9.41	3,071
New Jersey	449,689	12,121.2	557.43	16.79	8,739
New Mexico	32,517	59.3	402.83	15.05	5,730
New York	527,419	61.4	403.19	17.51	6,431
North Carolina	37,085	145.3	291.44	8.98	2,474
North Dakota	10,088	-	497.78	12.16	6,026

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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: 2022 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	137,588	25.5	438.56	12.15	5,140
Oklahoma	40,248	11.9	376.21	13.40	4,788
Oregon	118,539	7.0	507.36	15.02	7,019
Pennsylvania	313,894	17.9	447.08	14.44	6,028
Puerto Rico	38,133	6.0	202.92	14.18	2,805
Rhode Island	28,224	-	438.40	13.59	5,571
South Carolina	28,159	8.0	290.98	9.97	2,768
South Dakota	3,724	-	413.26	13.10	5,292
Tennessee	31,257	3.4	246.80	11.05	2,658
Texas	468,454	372.7	459.84	13.92	6,035
Utah	41,011	-	507.33	10.67	5,162
Vermont	9,060	-	466.12	11.51	4,773
Virgin Islands	472	-	431.30	26.00	12,213
Virginia	34,850	-	347.64	22.90	7,710
Washington	258,083	148.0	646.20	13.23	7,596
West Virginia	24,183	-	352.12	12.55	3,876
Wisconsin	57,715	253.7	334.87	11.69	3,549
Wyoming	9,913	-	441.31	12.10	5,205

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/ Source calculated as number of weeks compensated for the year divided by the number of first payments (ETA 5159).

4/ Source calculated as benefits paid for all weeks compensated divided by the number of first payments (ETA 5159).

Source: U.S. Department of Labor, Employment and Training Administration (ETA), Unemployment Insurance Data "Benefits and Duration Information by State for CYQ - 2022.4"

<[https://oui.doleta.gov/unemploy/data\\_summary/DataSum.asp](https://oui.doleta.gov/unemploy/data_summary/DataSum.asp)> accessed May 22, 2023.

**Table 12.11-- CHARACTERISTICS OF THE INSURED UNEMPLOYED:  
ANNUAL AVERAGE, 2022**

[As percent of total. Includes all eligible claimants who filed new claims for unemployment insurance benefits during the year. Includes both intrastate and interstate agent claimants]

Characteristic	Percent	Characteristic	Percent
Total	100.0	Industry (con.)	
		Public administration 1/ Information not available	0.0 12.4
Age		Occupation	
Under 22 years	1.6	Management	5.4
22 to 24 years	3.7	Business/financial operations	2.4
25 to 34 years	21.6	Computer/mathematical	1.1
35 to 44 years	24.5	Architecture/engineering	0.8
45 to 54 years	21.6	Life/physical/social science	0.6
55 to 64 years	19.2	Community/social services	0.8
65 years and over	7.8	Legal	0.3
Sex		Education/training/library	1.6
Male	67.7	Arts/entertainment/sports	3.0
Female	32.3	Healthcare practitioner/technical	1.3
Duration		Healthcare support	1.6
1 to 4 weeks	45.0	Protective service	0.6
5 to 14 weeks	33.3	Food preparation/serving	5.7
15 weeks and over	21.8	Building/grounds maintenance	1.6
Industry		Personal care/service	1.2
Government - state	2.4	Sales related	4.0
Government - county	0.4	Office/administrative support	6.3
Agriculture/forestry/fishing	1.0	Farming/fishing/forestry	0.9
Mining 1/	0.0	Construction/extraction	35.2
Utilities	0.1	Installation/maintenance/repair	3.1
Construction	37.2	Production	1.7
Manufacturing	0.9	Transportation/material moving	3.3
Wholesale trade	1.2	Information not available	17.5
Retail trade	2.9	Race	
Transportation/warehousing	3.6	American Indian	0.7
Information	2.9	Chinese	2.3
Finance/insurance	1.7	Filipino	19.9
Real estate/rental/leasing	1.3	Japanese	8.7
Professional/technical services	3.6	Other Asians	3.1
Management of companies	0.1	Black	1.8
Administrative/waste services	12.0	Hawaiian	25.7
Educational services	0.8	Other Pacific Islander	6.7
Health care/social assistance	4.6	White & Latino	18.9
Arts/entertainment/recreation	1.0	Others	12.4
Accommodation/food services	8.0	Information not available	0.0
Other services	2.0		

Continued on next page.

**Table 12.11-- CHARACTERISTICS OF THE INSURED UNEMPLOYED:  
ANNUAL AVERAGE, 2022 -- Con.**

1/ An industry may have claimants in one or more months in 2022 and yet round to 0.0 percent of total, e.g. 'Mining' ranged between 2 and 6 claimants over the 12 months for an average of 4 and 0.0 percent and 'Public administration' ranged between 1 and 10 claimants over the 12 months for an average of 6 and 0.0 percent.

Source: Hawaii State Department of Labor & Industrial Relations "Characteristics of the Insured Unemployed in Hawaii - 2022" < <https://labor.hawaii.gov/rs/characteristics-of-the-insured-unemployed/> > accessed June 9, 2023.

**Table 12.12-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGE,  
1990 TO 2022**

[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 and excluded, unless also employed in civilian jobs. Data for the component nonagriculture jobs are rounded to nearest 100, and to 50 for Agriculture. 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	1/ 548,550	1/ 417,850	51,650	26,350	1/ 52,950
1992	1/ 552,000	1/ 420,100	51,400	25,700	1/ 55,000
1993	547,350	416,800	50,900	23,450	1/ 56,300
1994	544,100	413,400	50,250	23,950	56,350
1995	1/ 540,300	1/ 409,750	49,550	24,450	1/ 56,000
1996	538,300	1/ 406,350	50,850	24,350	56,350
1997	539,000	405,250	51,950	24,300	1/ 57,350
1998	1/ 539,150	1/ 402,500	52,700	24,900	58,800
1999	1/ 543,200	402,800	53,750	25,800	60,550
2000	559,800	413,200	56,400	26,950	1/ 62,700
2001	1/ 563,000	1/ 413,800	57,850	26,750	1/ 64,300
2002	1/ 564,500	1/ 413,850	58,850	27,250	1/ 64,000
2003	1/ 575,400	1/ 420,700	60,700	28,350	1/ 65,400
2004	1/ 591,400	1/ 430,700	63,050	29,300	1/ 68,100
2005	609,400	1/ 443,400	65,550	29,900	1/ 70,250
2006	1/ 624,850	1/ 452,150	68,500	30,950	1/ 72,950
2007	1/ 632,300	1/ 455,200	70,100	31,800	1/ 74,850
2008	626,450	1/ 452,350	68,800	31,300	1/ 73,600
2009	1/ 598,750	1/ 436,700	64,650	28,950	1/ 68,200
2010	594,300	434,050	63,750	28,950	1/ 67,050
2011 2/	601,800	(NA)	(NA)	(NA)	(NA)
2012 2/	614,100	(NA)	(NA)	(NA)	(NA)
2013 2/	626,500	(NA)	(NA)	(NA)	(NA)
2014 2/	635,500	(NA)	(NA)	(NA)	(NA)
2015 2/	645,500	(NA)	(NA)	(NA)	(NA)
2016 2/	653,600	(NA)	(NA)	(NA)	(NA)
2017 2/	661,000	(NA)	(NA)	(NA)	(NA)
2018 2/	664,500	(NA)	(NA)	(NA)	(NA)
2019 2/	663,100	(NA)	(NA)	(NA)	(NA)
2020 1/ 2/ 3/	564,200	(NA)	(NA)	(NA)	(NA)
2021 1/ 2/ 3/	588,500	(NA)	(NA)	(NA)	(NA)
2022 2/ 3/	623,400	(NA)	(NA)	(NA)	(NA)

Continued on next page.

**Table 12.12-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGE,  
1990 TO 2022 -- Con.**

NA Not available.

1/ 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 prior to 2011 are shown here but other DLIR and DBEDT reports/analysis which are based on monthly data may be inconsistent. DBEDT estimates for Agriculture jobs here and elsewhere for 2011 and beyond are based on National Agricultural Statistics Service survey data.

3/ Data were benchmarked in March 2023.

Source: National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed February 22, 2023; Hawaii State Department of Business, Economic Development & Tourism, Job Count by Industry - Not Seasonally Adjusted Data <<http://dbedt.hawaii.gov/economic/job-count-by-industry/>> accessed March 10, 2023. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 2nd Quarter 2023* revised <[http://files.hawaii.gov/dbedt/economic/data\\_reports/qser/archive-qser-2023q2\\_rev.pdf](http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser-2023q2_rev.pdf)> accessed June 30, 2023.

**Table 12.13-- JOBCOUNT, BY NAICS INDUSTRY: ANNUAL AVERAGE, 2020 TO 2022**

[Data benchmarked in March 2023 and rounded to nearest 50 or 100. Totals may not add due to rounding or residual categories. Data according to the North American Industry Classification System]

Industry	2020	2021	2022
Total wage & salary 1/	2/ 564,300	2/ 591,900	623,400
Nonagriculture, wage & salary	2/ 560,000	2/ 586,900	618,100
Natural resources, mining, construction	2/ 36,800	2/ 37,100	37,300
Manufacturing	12,000	12,100	12,500
Durable goods	3,400	3,300	3,300
Non-durable goods	8,600	8,800	9,300
Trade, transportation & utilities	105,400	2/ 109,500	115,000
Wholesale trade	16,500	2/ 16,500	17,300
Retail trade	61,400	2/ 63,300	64,900
Transportation, warehousing & utilities	27,500	2/ 29,700	32,900
Utilities	3,700	3,600	3,600
Transportation & warehousing	23,800	2/ 26,100	29,300
Air transportation	8,300	2/ 8,300	9,300
Information	7,300	7,900	8,500
Telecommunications	3,400	2/ 3,300	3,300
Financial activities	27,300	2/ 27,300	27,800
Finance & insurance	16,500	2/ 16,100	15,700
Real estate, rental, leasing	10,900	2/ 11,200	12,100
Professional & business services	2/ 65,400	2/ 68,500	71,300
Private education & health services	83,300	2/ 84,900	86,300
Private educational services	12,100	2/ 12,900	14,000
Health care & social assistance	71,200	2/ 72,000	72,400
Ambulatory health care services	30,200	2/ 31,500	32,400
Hospitals	16,500	2/ 16,500	16,100
Nursing & residential care facilities	8,500	2/ 8,300	7,800
Social assistance	16,000	2/ 15,700	16,000
Leisure and hospitality	77,800	2/ 95,000	112,400
Arts, entertainment & recreation	8,200	2/ 9,500	11,900
Accommodation & food services	69,600	2/ 85,500	100,500
Accommodation	21,800	2/ 28,900	37,000
Food service & drinking places	47,800	2/ 56,700	63,500
Full-service restaurants	22,100	2/ 27,900	32,100
Other services	23,700	2/ 24,400	26,200
Government	121,100	120,200	120,800
Federal	35,100	34,700	34,700
State	67,300	2/ 66,800	67,600
Education (DOE & UH)	44,700	2/ 44,800	45,900
State gov't excluding education	22,600	22,000	21,700
Local	18,700	18,600	18,500
Agriculture 1/	4,300	5,000	5,300

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**Table 12.13-- JOBCOUNT, BY NAICS INDUSTRY: ANNUAL AVERAGE,  
2020 TO 2022 -- Con.**

1/ Estimates for Agriculture were discontinued in December 2011. DBEDT preliminary estimates are based on data from National Agricultural Statistics Service, Hawaii Field Office (NASS- HFO).

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, Job Count by Industry - Not Seasonally Adjusted Data, Historical Series <<https://dbedt.hawaii.gov/economic/job-count-by-industry/>> accessed March 10, 2023; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed February 22, 2023. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 1st Quarter 2023* <[http://files.hawaii.gov/dbedt/economic/data\\_reports/qser/archive-qser/qser-2023q1.pdf](http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2023q1.pdf)>.

**Table 12.14-- EMPLOYMENT BY NAICS INDUSTRY: 2019 AND 2021**

[Data are based on a sample and are subject to sampling variability. Based on the North American Industry Classification System. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021* or *2022*. For more information on the experimental data, please see experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-acs-1-year-data.html>>]

Industry	Number		Percent	
	2019	2021	2019	2021
Employed civilian population 16 years and over	671,768	636,963	100.0	100.0
Agriculture, forestry, fishing and hunting, and mining	10,265	7,192	1.5	1.1
Construction	48,408	49,127	7.2	7.7
Manufacturing	19,190	17,007	2.9	2.7
Wholesale trade	15,576	14,493	2.3	2.3
Retail trade	77,599	68,195	11.6	10.7
Transportation and warehousing, and utilities	41,931	40,772	6.2	6.4
Information	8,761	8,001	1.3	1.3
Finance, insurance, real estate, & rental & leasing	40,725	44,494	6.1	7.0
Professional, scientific, management, administrative, and waste management services	73,511	68,294	10.9	10.7
Educational, health and social services	144,953	155,853	21.6	24.5
Arts, entertainment, recreation, accommodation and food services	108,628	87,169	16.2	13.7
Other services (except public administration)	28,607	24,195	4.3	3.8
Public administration	53,614	52,171	8.0	8.2

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, "DP-03 Selected Economic Characteristics: Hawaii" (annual) <<http://data.census.gov/>> accessed January 10, 2023.

**Table 12.15-- EMPLOYMENT BY THE 25 LARGEST PRIVATE EMPLOYERS:  
2021 AND 2022**

[As of December 31. Ordered according to number of employees in 2022]

Employer	Year estab. in Hawaii	2021 1/		2022 2/	
		Rank	Employ- ees	Rank	Employ- ees
The Queen's Health Systems 3/	1985	1	8,426	1	9,259
Hawaii Pacific Health	2001	2	7,119	2	7,199
Hawaiian Electric Industries Inc.	1981	4	3,649	3	3,756
Kamehameha Schools	1887	5	3,357	4	3,254
Kaiser Foundation Health Plan	1958	3	4,382	5	2,356
Oahu Transit Services Inc.	1992	7	2,063	6	2,048
Bank of Hawaii Corp.	1897	6	2,146	7	1,973
First Hawaiian Bank	1858	8	1,912	8	1,960
Aulani, A Disney Resort & Spa	2011	11	1,400	9	1,700
Maui Health	1884	9	1,661	10	1,632
Prince Resorts Hawaii Inc.	1999	12	1,354	11	1,290
Hawaii Medical Services Association	1938	10	1,564	12	1,286
Polynesian Cultural Center	1963	20	687	13	1,245
Hawaiian Telcom	1983	13	1,100	14	1,200
Securitas Security Services USA Inc.	1961	15	973	15	900
Central Pacific Bank	1954	19	752	16	791
Adventist Health Castle	1963	14	1,024	17	770
Nan Inc.	1990	21	648	18	761
Hawaiian Dredging Construction Co. Inc.	1902	17	832	19	740
The Royal Hawaiian, a Luxury Collection Resort	1927	(4/)	(4/)	20	707
Kamaaina Care Inc. dba Kamaaina Kids	1987	22	635	21	702
Halekulani Corp.	1980	18	794	22	700
Waianae Coast Comprehensive Health Center	1972	23	632	23	685
Alexander & Baldwin	1870	24	611	24	611
Moana Surfrider, A Westin Resort & Spa	1901	(4/)	(4/)	25	535

1/ Revised on July 12, 2022 to insert previously unranked Hawaii Pacific Health.

2/ Revised on July 17, 2023 to insert previously unranked The Royal Hawaiian, a Luxury Collection Resort, and Moana Surfrider, A Westin Resort & Spa.

3/ Queen's Medical Center established 1859.

4/ Not ranked in year shown.

Source: *Pacific Business News*, "Employers - Statewide, Ranked by Number of Employees as of December 31, 2021" (July 8, 2022, as revised July 12, 2022) <<https://www.bizjournals.com/pacific/subscriber-only/2022/07/08/employers-statewide.html>> accessed June 30, 2023; and *Pacific Business News* "Employers - Statewide, Ranked by Number of Employees as of December 31, 2022" (June 30, 2023, as revised July 17, 2023) <<https://www.bizjournals.com/pacific/subscriber-only/2023/06/30/employers-statewide.html>> accessed July 21, 2023.

**Table 12.16-- JOBCOUNT BY NAICS INDUSTRY, BY COUNTY:  
ANNUAL AVERAGE, 2022**

[Data rounded to nearest 50 or 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/	623,400	(NA)	(NA)	(NA)	(NA)
Nonagriculture, wage & salary	618,100	444,700	68,100	30,700	74,400
Natural resources, mining, construction	37,300	26,900	3,700	2,100	4,600
Manufacturing	12,500	9,200	1,600	600	1,200
Durable goods	3,300	2,500	300	100	400
Non-durable goods	9,300	6,700	1,300	400	800
Trade, transportation & utilities	115,000	79,900	14,500	6,000	14,600
Wholesale trade	17,300	13,600	1,700	500	1,400
Retail trade	64,900	42,400	9,600	3,800	9,000
Transportation, warehousing & util.	32,900	23,900	3,100	1,700	4,200
Utilities	3,600	(NA)	(NA)	(NA)	(NA)
Transportation & warehousing	29,300	21,500	(NA)	(NA)	(NA)
Air transportation	9,300	7,800	400	300	800
Information	8,500	7,000	600	200	700
Telecommunications	3,300	2,800	(NA)	(NA)	(NA)
Financial activities	27,800	21,400	2,500	1,100	2,900
Finance & insurance	15,700	13,200	1,100	400	900
Real estate, rental, leasing	12,100	8,200	(NA)	(NA)	(NA)
Professional & business services	71,300	55,200	6,400	2,800	7,000
Education & health services	86,300	65,400	8,700	2,900	9,200
Education services	14,000	11,100	1,300	300	1,300
Health care & social assistance	72,400	54,400	7,400	2,600	7,900
Ambulatory health care services	32,400	23,700	(NA)	(NA)	(NA)
Hospitals	16,100	13,600	(NA)	(NA)	(NA)
Nursing & residential care facilities	7,800	(NA)	(NA)	(NA)	(NA)
Social assistance	16,000	(NA)	(NA)	(NA)	(NA)

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**Table 12.16-- JOBCOUNT BY NAICS INDUSTRY, BY COUNTY:  
ANNUAL AVERAGE, 2022 -- Con.**

Industry	State total	City & Cty of Honolulu	Hawaii County	Kauai County	Maui County
Leisure and hospitality	112,400	66,800	13,900	9,100	22,500
Arts, entertainment & recreation 2/	11,900	7,200	1,500	1,100	2,100
Accommodation & food services	100,500	59,600	12,400	8,000	20,400
Accommodation	37,000	15,900	5,900	3,900	11,300
Food services and drinking places	63,500	43,700	6,500	4,100	9,100
Full-service restaurants	32,100	20,200	3,700	2,400	5,900
Other services	26,200	19,700	2,200	1,000	3,200
Government	120,800	93,200	14,200	4,900	8,600
Federal	34,700	32,100	1,300	600	900
State	67,600	49,300	10,200	3,000	5,100
Education (DOE & UH)	45,900	33,800	6,400	1,900	3,800
Local	21,700	(NA)	(NA)	(NA)	(NA)
Agriculture 1/	18,500	11,800	2,800	1,300	2,600
	5,300	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Estimates for Agriculture were discontinued in December 2011. DBEDT preliminary estimates are based on data from the National Agricultural Statistics Service, Hawaii Field Office (NASS- HFO).

2/ Hawaii, Kauai, and Maui county detail no longer provided. DBEDT calculates as residual.

Source: Hawaii State Department of Labor and Industrial Relations, Job Count by Industry - Not Seasonally Adjusted Data, Historical Series <<http://www.hiwi.org/gsipub/index.asp?docid=421>> accessed March 10, 2023; and National Agricultural Statistics Service, Quick Stats - Query Database by Commodity, State, and Year <<http://quickstats.nass.usda.gov/>> accessed February 22, 2023. See also Hawaii State Department of Business, Economic Development & Tourism, *Quarterly Statistical & Economic Report, 1st Quarter 2023* <[http://files.hawaii.gov/dbedt/economic/data\\_reports/qser/archive-qser/qser-2023q1.pdf](http://files.hawaii.gov/dbedt/economic/data_reports/qser/archive-qser/qser-2023q1.pdf)>.

**Table 12.17-- OCCUPATION: 2018, 2019, AND 2021**

[Data are based on a sample and are subject to sampling variability. Based on the North American Industry Classification System. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021 or 2022*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-ac-s-1-year-data.html>>]

Occupation	Number			Percent		
	2018	2019	2021	2018	2019	2021
Civilian employed population 16 years & over	684,905	671,768	636,963	100.0	100.0	100.0
Management, business, science, & arts	234,304	242,749	251,878	34.2	36.1	39.5
Service	166,631	156,717	132,423	24.3	23.3	20.8
Sales and office	150,740	150,373	139,161	22.0	22.4	21.8
Natural resources, construction, and maintenance	63,152	60,575	59,615	9.2	9.0	9.4
Production, transportation, and material moving	70,078	61,354	53,886	10.2	9.1	8.5

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates, "DP-03 Selected Economic Characteristics: Hawaii" (annual) <<http://data.census.gov/>> accessed January 10, 2023.

**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
Prof. 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
Educ. 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 2021**

[Data are based on a sample and are subject to sampling variability. Persons 14 years and over through 1960; 16 years and over thereafter. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021* or *2022*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-acs-1-year-data.html>>]

Year	All employed civilians	Private wage and salary workers 1/	Government workers	Self-employed workers 2/	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	
2019	671,768	494,513	129,813	47,442	
2021	636,963	448,532	144,386	44,045	

1/ Includes self-employed in own incorporated business workers.

2/ 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 January 10, 2023.

**Table 12.21-- FULL- AND PART-TIME EMPLOYMENT, BY TYPE AND BY STATUS: 1969 TO 2021**

[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 & 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

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**Table 12.21-- FULL- AND PART-TIME EMPLOYMENT, BY TYPE AND BY STATUS: 1969 TO 2021 -- Con.**

Year	Total	By type		By status	
		Wage & 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	882,732	702,829	179,903	825,585	57,147
2015	901,121	715,002	186,119	843,032	58,089
2016	914,893	723,915	190,978	856,691	58,202
2017 2/	921,123	729,533	191,590	864,198	56,925
2018 2/	924,355	729,572	194,783	872,353	52,002
2019 2/	914,163	726,803	187,360	863,399	50,764
2020 2/	817,748	626,383	191,365	766,950	50,798
2021	850,603	655,084	195,519	798,827	51,776

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 2022) <<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 30, 2022) <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed January 10, 2023, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.22-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME,  
ANNUAL AVERAGE: 2018 TO 2022**

[Number in thousands]

Subject	2018	2019	2020	2021	2022
Total					
Full- and part-time	661	643	571	625	647
Full-time total	546	525	471	515	532
Full-time not at work	23	19	20	25	23
Part-time total	115	118	100	110	115
Economic reasons	12	14	19	22	15
Non-economic reasons	94	95	74	81	91
Not at work	8	9	7	8	9
Men					
Full- and part-time	340	327	296	328	340
Full-time total	292	280	258	284	294
Full-time not at work	12	9	10	12	11
Part-time total	48	47	38	44	46
Economic reasons	7	7	8	11	8
Non-economic reasons	38	37	27	30	35
Not at work	3	3	3	3	3
Women					
Full- and part-time	321	316	275	297	309
Full-time total	254	245	213	231	239
Full-time not at work	11	10	10	13	12
Part-time total	67	71	62	66	70
Economic reasons	6	7	10	10	7
Non-economic reasons	57	58	48	50	57
Not at work	5	6	4	5	6
16 to 19 years (both sexes)					
Full- and part-time	19	20	15	17	18
Full-time total	7	5	4	6	5
Full-time not at work	(1/)	(1/)	(1/)	(1/)	(1/)
Part-time total	12	15	11	11	13
Economic reasons	1	1	1	1	1
Non-economic reasons	11	12	9	10	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 July 18, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.23-- OCCUPATION OF EMPLOYED CIVILIANS, BY SEX:  
ANNUAL AVERAGE, 2021 AND 2022**

Occupation	Total	Men	Women
2021			
All occupations (in thousands)	626	328	297
Percent	100.0	100.0	100.0
Management, professional, and related	37.3	32.9	42.1
Management, business, and financial operations	14.2	13.5	14.9
Professional and related	23.1	19.4	27.2
Service	23.1	24.0	22.1
Sales and office	21.2	13.9	29.3
Sales and related	9.5	8.1	11.0
Office and administrative support	11.7	5.8	18.3
Natural resources, construction, and maintenance	9.1	16.5	(1/)
Farming, fishing, and forestry	1.2	1.7	0.7
Construction and extraction	4.8	8.9	0.3
Installation, maintenance, and repair	3.1	5.9	(1/)
Production, transportation, and material moving	9.4	12.8	5.6
Production	2.4	2.9	1.9
Transportation and material moving	7.0	9.9	3.7
2022			
All occupations (in thousands)	648	339	309
Percent	100.0	100.0	100.0
Management, professional, and related	39.9	35.4	44.6
Management, business, and financial operations	17.6	17.5	17.6
Professional and related	22.3	17.9	27.0
Service	20.4	21.1	19.6
Sales and office	21.5	13.9	29.9
Sales and related	9.7	8.0	11.7
Office and administrative support	11.8	5.9	18.2
Natural resources, construction, and maintenance	9.7	17.8	1.0
Farming, fishing, and forestry	0.8	1.1	0.4
Construction and extraction	5.4	10.2	0.3
Installation, maintenance, and repair	3.5	6.5	0.3
Production, transportation, and material moving	8.6	11.8	5.0
Production	2.9	3.7	2.0
Transportation and material moving	5.7	8.1	3.0

1/ Component, reported as fewer than 500, does not appear as percent so subtotal can not be calculated.

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 July 18, 2023.

**Table 12.24-- MULTIPLE JOBHOLDERS, NUMBERS AND PERCENT OF EMPLOYED FOR HAWAII AND PERCENT OF EMPLOYED FOR THE UNITED STATES: ANNUAL AVERAGE, 1994 TO 2022**

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
2020	573	35	6.2	11	4.5
2021	605	37	6.2	9	4.6
2022	642	35	5.5	19	4.8

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**Table 12.24-- MULTIPLE JOBHOLDERS, NUMBERS AND PERCENT OF EMPLOYED FOR HAWAII AND PERCENT OF EMPLOYED FOR THE UNITED STATES: ANNUAL AVERAGE, 1994 TO 2022 -- Con.**

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; in 2019 with Wyoming; in 2020 with Kansas; in 2021 with Minnesota and Vermont, and in 2022 with Maryland.

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: 2011-2015**

[Average over the period. Based on a sample and subject to sampling variability]

Place of residence	Place of work				
	State of Hawaii	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total	679,019	486,682	79,833	33,256	79,248
State of Hawaii	674,760	483,275	79,536	33,116	78,833
City and County of Honolulu	482,699	481,687	411	129	472
Hawaii County	79,932	883	78,955	27	67
Kauai County	33,080	88	109	32,863	20
Maui County 1/	79,049	617	61	97	78,274
U.S. states (excluding Hawaii) 2/	4,259	3,407	297	140	415

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: 2011-2015" <<http://www.census.gov/population/metro/files/commuting/Table2.xlsx>> accessed September 3, 2020.

**Table 12.26-- EMPLOYMENT AND WAGES: 2011 TO 2021**

[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				
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
2019	42,829	658,940	34,713,000	52,680
2020	45,212	560,082	32,451,698	57,941
2021	47,575	588,015	35,070,087	59,641
Total, excl. gov't				
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
2019	42,823	536,403	26,849,413	50,055
2020	45,206	442,581	24,361,752	55,045
2021	47,569	470,837	26,866,079	57,060
Private non-agr. 2/				
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	3/ 48,482
2019	42,309	530,711	26,628,597	3/ 50,175
2020	44,681	436,892	24,129,035	3/ 55,229
2021	47,038	464,935	26,614,484	57,243

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**Table 12.26-- EMPLOYMENT AND WAGES: 2011 TO 2021 -- Con.**

1/ Nonprofit employers and employers with zero employment are included.

2/ 'Total, excluding government' less 'Goods-producing, Code 11 - Agriculture, forestry, fishing and hunting'.

3/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Employment and Payrolls in Hawaii* (annual) and records and <<http://dbedt.hawaii.gov/economic/employment-and-wages-by-industry/>> accessed June 9, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.27-- EMPLOYMENT AND WAGES, BY COUNTY: 2020 AND 2021**

[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)
2020 Total, including gov't				
State total 2/	45,212	560,082	32,451,698	57,941
City and County of Honolulu	30,445	408,474	24,864,850	60,873
Hawaii County	5,799	62,647	3,050,197	48,689
Maui County	6,254	61,997	3,153,200	50,861
Kauai County	2,720	26,963	1,383,451	51,309
2020 Total, excluding gov't				
State total	45,206	442,581	24,361,752	55,045
City and County of Honolulu	30,442	318,287	18,508,908	58,152
Hawaii County	5,796	48,854	2,177,410	44,570
Maui County	6,251	53,437	2,612,272	48,885
Kauai County	2,717	22,003	1,063,161	48,319
2021 Total, including gov't				
State total 2/	47,575	588,015	35,070,087	59,641
City and County of Honolulu	31,960	422,200	26,374,715	62,470
Hawaii County	6,229	66,873	3,443,656	51,495
Maui County	6,573	70,158	3,747,156	53,410
Kauai County	2,819	28,784	1,504,560	52,271
2021 Total, excluding gov't				
State total	47,569	470,837	26,866,079	57,060
City and County of Honolulu	31,957	332,098	19,914,082	59,964
Hawaii County	6,226	53,239	2,563,163	48,144
Maui County	6,570	61,668	3,206,958	52,004
Kauai County	2,816	23,832	1,181,877	49,592

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 Business, Economic Development & Tourism, Employment and Payrolls in Hawaii (annual) <<http://dbedt.hawaii.gov/economic/employment-and-wages-by-industry/>> accessed June 9, 2023.

**Table 12.28-- EMPLOYMENT AND WAGES, BY NAICS INDUSTRY: 2021**

[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) 2017]

NAICS code	Industry	Number of reporting units, Dec. 1/	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
	Total, including government	47,575	588,015	35,070,087	59,641
	Government	6	117,178	8,204,008	70,013
	Federal	1	34,717	2,975,885	85,718
	State	1	63,876	3,809,909	59,645
	County	4	18,586	1,418,215	76,306
	Total, excluding government	47,569	470,837	26,866,079	57,060
11	Ag., forestry, fishing & hunting	531	5,902	251,595	42,629
21	Mining, quarrying, oil & gas extr.	11	231	22,934	99,282
22	Utilities	98	3,573	389,247	108,941
23	Construction	4,031	36,615	2,939,206	80,273
31-33	Manufacturing	1,077	12,042	599,700	49,801
311	Food manufacturing	383	5,552	199,892	36,004
42	Wholesale trade	2,083	16,436	1,128,308	68,649
44-45	Retail trade	4,622	62,964	2,450,681	38,922
448	Clothing & clothing access.	1,071	7,226	233,898	32,369
48-49	Trans. & warehousing	1,211	25,864	1,601,871	61,934
481	Air transportation	71	8,276	664,262	80,264
51	Information	1,225	7,873	687,039	87,265
52	Finance and insurance	1,840	15,812	1,520,267	96,146
53	Real estate, rental & leasing	2,098	11,097	740,308	66,712
54	Prof. and tech. services	5,584	25,203	2,245,354	89,091
55	Mgt of companies & enterprises	437	8,302	795,028	95,763
56	Admin. and waste services	3,058	34,556	1,469,371	42,521
61	Educational services	982	12,775	625,037	48,927
62	Health care and soc. assist.	5,305	71,527	4,659,082	65,137
621	Amb. health care services	3,395	31,335	2,389,263	76,249
622	Hospitals	38	16,361	1,434,760	87,694
623	Nursing and resid. care fac.	181	8,295	356,514	42,979
624	Social assistance	1,691	15,536	478,545	30,802
71	Arts, entertain., and recrea.	813	9,434	362,345	38,408
72	Accom. and food services	4,501	85,037	3,162,254	37,187
721	Accommodation	484	28,710	1,601,439	55,780
722	Food services & drinking places	4,017	56,327	1,560,815	27,710
81	Other serv., exc. public adm.	4,401	23,032	1,011,360	43,911
99	Unclassified	3,661	2,563	205,093	80,021

1/ Nonprofit employers and employers with zero employment are included.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Employment and Payroll in Hawaii* (October 2022) <<http://dbedt.hawaii.gov/economic/employment-and-wages-by-industry/>> accessed June 30, 2023.

**Table 12.29-- AVERAGE ANNUAL WAGE IN CURRENT AND CONSTANT DOLLARS: 1969 TO 2021**

[For "Employees Covered by the Hawaii Employment Security Law and Unemployment 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	1996	27,359	170.7	16,028
1970	7,424	41.5	17,889	1997	28,356	171.9	16,496
1971	7,677	43.2	17,771	1998	29,029	171.5	16,927
1972	7,989	44.6	17,913	1999	29,788	173.3	17,189
1973	8,479	46.6	18,195	2000	30,628	176.3	17,373
1974	9,087	51.5	17,645	2001	31,241	178.4	17,512
1975	9,767	56.3	17,348	2002	32,669	180.3	18,119
1976	10,347	59.1	17,508	2003	33,735	184.5	18,285
1977	10,903	62.1	17,557	2004	35,191	190.6	18,463
1978	11,630	66.9	17,384	2005	36,347	197.8	18,376
1979	12,429	74.3	16,728	2006	37,784	209.4	18,044
1980	13,548	83.0	16,323	2007 2/	39,465	219.504	17,979
1981	14,471	91.7	15,781	2008 2/	40,664	228.861	17,768
1982	15,367	97.2	15,810	2009 2/	41,328	230.048	17,965
1983	16,115	99.3	16,229	2010 2/	41,681	234.869	17,746
1984	16,714	103.5	16,149	2011 2/	42,454	243.622	17,426
1985	17,335	106.8	16,231	2012 2/	43,365	249.474	17,383
1986	18,069	109.4	16,516	2013 2/	43,828	253.924	17,260
1987	19,060	114.9	16,588	2014 2/	45,201	257.589	17,548
1988	20,454	121.7	16,807	2015 2/	46,917	260.165	18,034
1989	21,635	128.7	16,810	2016 2/	48,177	265.283	18,161
1990	23,109	138.1	16,734	2017 2/	49,670	272.014	18,260
1991	24,051	148.0	16,251	2018 2/	50,974	277.078	18,397
1992	25,532	155.1	16,462	2019 2/	52,680	281.585	18,708
1993	26,544	160.1	16,580	2020 2/	57,941	286.008	20,259
1994	26,718	164.5	16,242	2021 2/	59,641	296.818	20,093
1995	26,983	168.1	16,052				

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 Business, Economic Development & Tourism, Employment and Payrolls in Hawaii (annual), beginning with the 2011 <<http://dbedt.hawaii.gov/economic/employment-and-wages-by-industry/>> accessed March 30, 2023; Ibid. The Honolulu Consumer Price Index, 1940-1986 (Statistical Report 187, May 30, 1986), as shifted to 1982-1984 base; for 1987-2021 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 12, 2023; 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: 2011 AND 2021**

[Workers covered by the Hawaii Employment Security Law and Unemployment Compensation for Federal Employees classified by industry. Industries classified according to the North American Industrial Classification System (NAICS) 2007 for 2010 and the NAICS 2017 for 2020]

Industry	2011	2021		Percent change, 2011-2021 1/	
		Current dollars	2011 dollars 2/	Current dollars	2011 dollars 2/
All industries	42,454	59,641	48,952	40.5	15.3
Federal	69,803	85,718	70,356	22.8	0.8
State	43,065	59,645	48,955	38.5	13.7
County	55,999	76,306	62,630	36.3	11.8
Private	39,817	57,060	46,834	43.3	17.6

1/ The Consumer Price Index-All Urban Consumers (CPI-U) Honolulu, All Items increased 21.8 percent from 2011 to 2021.

2/ Current dollars deflated by the Consumer Price Index (CPI-U) All Items for Honolulu, base shifted to 2011 = 100 or 121.835.

Source: Hawaii State Department of Business, Economic Development & Tourism, Employment and Payrolls in Hawaii (annual) <<http://dbedt.hawaii.gov/economic/employment-and-wages-by-industry/>> accessed March 31, 2023, 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 12, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.31-- REPORTING UNITS AND EMPLOYMENT, BY SIZE OF FIRM: DECEMBER 2021**

[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	47,569	30,537	7,217	4,918	3,156	1,106	438	132	49	16
	Employment	496,426	40,399	47,720	66,745	94,982	75,159	64,953	45,233	33,208	28,027
City and County of Honolulu	Reporting units	31,957	20,655	4,667	3,254	2,128	792	321	91	34	15
	Employment	348,527	26,955	30,798	44,285	64,067	53,772	47,108	31,206	23,429	26,907
Hawaii County	Reporting units	6,226	4,008	969	678	391	123	37	15	2/ 5	(2/)
	Employment	55,797	5,377	6,437	9,213	11,630	8,602	5,817	5,188	2/ 3,533	(2/)
Maui County	Reporting units	6,570	4,148	1,082	685	439	131	54	22	9	-
	Employment	65,972	5,585	7,210	9,176	13,309	8,815	8,117	7,695	6,065	-
Kauai County	Reporting units	2,816	1,726	499	301	198	60	26	2/ 6	(2/)	(2/)
	Employment	26,130	2,482	3,275	4,071	5,976	3,970	3,911	2/ 2,445	(2/)	(2/)

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 these classes were combined to prevent the disclosure of confidential information.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Employment and Payrolls in Hawaii* (October 2022), p. 94 <<http://dbedt.hawaii.gov/economic/employment-and-wages-by-industry/>> accessed June 30, 2023.



**Table 12.32-- ANNUAL AVERAGE WAGES, TOTAL AND PRIVATE INDUSTRY FOR HAWAII AND THE UNITED STATES: 2000 TO 2022**

[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				
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	50,977	48,376	57,266	57,198	89.0	84.6	24	33
2019	52,686	50,062	59,209	59,202	89.0	84.6	24	32
2020	57,934	55,036	64,021	64,247	90.5	85.7	23	29
2021	2/ 59,644	2/ 57,064	67,610	2/ 68,029	88.2	83.9	24	31
2022	61,483	59,290	69,985	70,343	87.9	84.3	30	33

1/ Rank of 1 indicates the highest annual wages per employee. District of Columbia is included.

2/ 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](http://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables)> accessed July 5, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.33-- WORKERS, EARNINGS AND HOURS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGE, 2018 TO 2022**

[Number of production workers rounded to nearest 50]

Subject	2018	2019	2020	2021	2022
Production workers					
Nat'l resources, mining & construction	28,000	28,000	1/ 27,300	1/ 26,100	26,800
Manufacturing	10,200	10,300	8,600	8,200	8,500
Trade, transportation and utilities	104,900	105,300	1/ 88,000	1/ 92,300	99,100
Wholesale trade	14,400	14,700	12,900	1/ 13,200	14,000
Retail trade	61,300	60,400	52,100	1/ 54,100	56,400
Financial activities	22,700	22,100	19,900	1/ 19,800	19,600
Accommodation and food services	102,000	101,400	59,700	1/ 74,300	88,900
Food services and drinking places	62,500	62,100	41,100	1/ 49,700	55,100
Average weekly earnings (dollars)					
Nat'l resources, mining & construction	1,570.83	1,604.41	1,605.92	1,684.12	1,670.66
Manufacturing	765.37	823.25	899.28	901.15	959.04
Trade, transportation and utilities	864.96	873.79	938.90	942.25	967.93
Wholesale trade	779.65	842.84	889.25	799.01	1/ 880.7
Retail trade	635.36	629.20	634.63	681.91	696.99
Financial activities	1/ 849.39	858.55	919.32	849.10	782.78
Accommodation and food services	506.23	504.64	445.50	474.94	530.89
Food services and drinking places	375.95	386.01	375.09	430.77	486.07
Average weekly hours					
Nat'l resources, mining & construction	36.9	36.9	35.6	37.4	37.4
Manufacturing	37.1	37.1	38.3	39.3	38.5
Trade, transportation and utilities	34.0	33.3	33.2	33.7	32.8
Wholesale trade	39.9	38.0	35.4	33.6	33.5
Retail trade	32.4	32.3	31.7	32.8	32.6
Financial activities	34.5	35.0	37.6	35.0	32.4
Accommodation and food services	26.7	26.8	25.0	25.7	27.1
Food services and drinking places	23.9	24.4	23.8	24.9	25.8

Continued on next page.

**Table 12.33-- WORKERS, EARNINGS AND HOURS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGE, 2018 TO 2022 -- Con.**

Subject	2018	2019	2020	2021	2022
Average hourly earnings (dollars)					
Nat'l resources, mining & construction	42.57	43.48	45.11	45.03	44.67
Manufacturing	20.63	22.19	23.48	22.93	24.91
Trade, transportation and utilities	25.44	26.24	28.28	27.96	29.51
Wholesale trade	19.54	22.18	25.12	23.78	26.29
Retail trade	19.61	19.48	20.02	20.79	21.38
Financial activities	24.62	24.53	24.45	24.26	24.16
Accommodation and food services	18.96	18.83	17.82	18.48	19.59
Food services and drinking places	15.73	15.82	15.76	17.30	18.84

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, "Production Worker Hours & Earnings, All Selected Industries" <<http://dbedt.hawaii.gov/economic/hours-and-earnings/>> accessed June 5, 2023.

**Table 12.34-- AVERAGE HOURLY PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY: 2005 TO 2013**

[In dollars. Wage data are weighted averages and cover regular full-time and part-time employees. These 14 job titles are meant to be only illustrative of those reported. Over this period, the survey was conducted some time between June through September and covered 90 jobs for the 2005 and 2006 reports, 91 jobs for the 2007, 82 for the 2008, 94 for the 2009 through 2011, and 100 for 2013]

<b>Job classification</b>	<b>Job code</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2013</b>
Clerk, entry level	43.03	10.84	11.15	11.25	11.90	12.30	13.36	13.98	14.54
Secretary	43.06	15.80	16.02	16.39	17.53	18.12	18.59	19.00	19.21
Telephone operator 1/	43.10	15.26	14.79	15.44	15.95	16.52	17.53	17.39	18.47
Bookkeeper 2/	46.06	18.10	19.13	18.00	20.42	18.48	21.68	20.54	22.59
Cashier	46.07	14.91	15.48	16.26	16.90	18.29	16.59	15.87	18.29
Engineering drafting tech.	47.01	28.14	21.86	27.35	30.48	28.17	32.01	29.32	32.87
Housekeeper	48.01	13.07	13.60	13.82	14.35	14.92	14.92	15.44	16.37
Cook, general	48.09	15.48	17.15	16.08	16.64	17.93	17.95	17.55	19.30
Wait help	48.13	6.85	7.57	8.50	7.97	7.95	7.94	8.20	8.73
Laborer, light	50.06	9.55	10.87	10.12	10.68	10.41	10.31	10.67	10.33
Carpenter, maintenance	50.12	20.61	21.35	23.12	21.05	23.88	27.14	26.54	23.80
Electrician, maintenance	50.15	24.13	24.33	29.68	28.80	28.76	31.55	30.24	31.77
Automotive mechanic	50.19	23.47	24.55	23.71	24.69	25.43	27.02	25.42	25.62
Driver III (Tractor trailer) 3/	51.05	15.79	17.43	17.26	16.71	18.73	18.64	19.03	19.32

1/ In earlier reports, this category, job code 43.10, was "Switchboard" or "Communications" operator.

2/ In earlier reports, this category, job code 46.06, was "Bookkeeper, full-charge".

3/ In earlier reports, this category, job code 51.05, was "Truck driver (trailer)".

Source: Hawaii Employers Council, *Pay Rates in Hawaii* (annual).

**Table 12.35-- AVERAGE HOURLY PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY, BY COUNTY: 2013**

[In dollars. Wage data are weighted averages, as of the July through September survey period and were effective for July 1, 2013 and cover regular full-time and part-time employees. The 14 job titles are meant to be only illustrative of the 100 reported]

Job classification	Job code	State	City & County of Honolulu	Hawaii County	Maui County	Kauai County
Clerk, entry level	43.03	14.54	14.65	13.61	(1/)	(1/)
Secretary	43.06	19.21	19.16	(1/)	(1/)	(1/)
Telephone operator 2/	43.10	18.47	18.79	(1/)	(1/)	(1/)
Bookkeeper 3/	46.06	22.59	22.42	(1/)	(1/)	(1/)
Cashier	46.07	18.29	18.26	(1/)	(1/)	(1/)
Engineering drafting technician	47.01	32.87	(1/)	(1/)	(1/)	(1/)
Housekeeper	48.01	16.37	16.73	(1/)	15.65	(1/)
Cook, general	48.09	19.30	17.95	16.69	20.08	(1/)
Wait help	48.13	8.73	9.04	(1/)	8.06	(1/)
Laborer, light	50.06	10.33	9.66	12.38	(1/)	(1/)
Carpenter, maintenance	50.12	23.80	23.73	(1/)	(1/)	(1/)
Electrician, maintenance	50.15	31.77	33.70	(1/)	(1/)	(1/)
Automotive mechanic	50.19	25.62	26.51	(1/)	24.66	(1/)
Driver III (Tractor trailer) 4/	51.05	19.32	19.13	18.90	(1/)	(1/)

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 2022**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 2/
35-3023	Fast food and counter workers	20,340	14.02	29,170
41-2031	Retail salespersons	16,540	18.13	37,710
43-9061	Office clerks, general	16,530	20.66	42,970
41-2011	Cashiers	14,790	15.29	31,810
35-3031	Waiters and waitresses	12,950	16.94	35,240
11-1021	General and operations managers	12,440	55.70	115,850
29-1141	Registered nurses	11,800	54.43	113,220
37-2011	and housekeeping cleaners	11,090	16.69	34,720
25-2031	Secondary school teachers, exc. special & career/technical education	9,800	(3/)	60,790
35-2014	Cooks, restaurant	9,510	20.54	42,710
43-1011	First-line supervisors of office & admin. support workers	9,290	29.45	61,250
33-9032	Security guards	9,100	17.45	36,300
53-7062	movers, hand	8,660	20.42	42,460
37-2012	Maids and housekeeping cleaners	8,520	22.76	47,350
43-4051	Customer service representatives	8,250	20.15	41,910
53-7065	Stockers and order fillers	7,780	18.04	37,530
43-6014	Secretaries & admin. assistants, exc. legal, medical, and executive	7,730	23.06	47,970
35-1012	First-line supervisors of food preparation and serving workers	7,650	22.36	46,520
37-3011	Landscaping and groundskeeping workers	7,490	19.56	40,680
49-9071	Maintenance and repair workers, general	6,810	25.85	53,770
43-3031	Bookkeeping, accounting, and auditing clerks	5,880	23.02	47,880
41-1011	First-line supervisors of retail sales workers	5,570	26.15	54,390
25-9045	Teaching assistants, except postsecondary	5,500	(3/)	33,610
13-2011	Accountants and auditors	5,170	35.00	72,790
47-2031	Carpenters	5,020	38.54	80,160

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 2022 State Occupational Employment and Wage Estimates Hawaii" <[http://www.bls.gov/oes/current/oes\\_hi.htm](http://www.bls.gov/oes/current/oes_hi.htm)> accessed April 25, 2023.

**Table 12.37-- EMPLOYMENT AND WAGES OF URBAN HONOLULU METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: MAY 2022**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 2/
35-3023	Fast food and counter workers	14,500	13.92	28,950
43-9061	Office clerks, general	11,630	20.72	43,100
41-2031	Retail salespersons	10,750	17.85	37,130
41-2011	Cashiers	9,450	15.19	31,590
29-1141	Registered nurses	8,970	55.38	115,200
11-1021	General and operations managers	8,790	57.59	119,790
37-2011	Janitors & cleaners, exc. maids & housekeeping cleaners	7,710	16.29	33,870
35-3031	Waiters & waitresses	7,690	16.89	35,140
33-9032	Security guards	7,640	17.09	35,560
25-2031	Secondary school teachers, exc. special and career/technical education	7,270	(3/)	61,040
43-1011	First-line supervisors of office & admin. support workers	6,600	29.47	61,300
53-7062	Laborers & freight, stock, & material movers, hand	6,550	20.73	43,120
43-4051	Customer service representatives	6,180	20.16	41,940
43-6014	Secretaries & admin. assistants, exc. legal, medical, & executive	5,610	23.30	48,470
35-2014	Cooks, restaurant	5,480	19.44	40,440
35-1012	First-line supervisors of food preparation and serving workers	5,380	21.42	44,560
53-7065	Stockers and order fillers	5,150	18.30	38,070
31-1120	Home health and personal care aides	4,730	15.75	32,760
37-2012	Maids and housekeeping cleaners	4,550	23.06	47,960
49-9071	Maintenance & repair workers, general	4,190	25.25	52,520
43-3031	Bookkeeping, accounting, & auditing clerks	4,080	23.01	47,860
13-2011	Accountants and auditors	3,860	35.01	72,820
25-9045	Teaching assistants, exc. postsecondary	3,630	(3/)	33,410
41-1011	First-line supervisors of retail sales workers	3,600	26.33	54,770
37-3011	Landscaping and groundskeeping workers	3,550	19.21	39,950

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 2022 Metropolitan Area Occupational Employment and Wage Estimates Urban Honolulu, HI MSA"

<[http://www.bls.gov/oes/current/oes\\_46520.htm](http://www.bls.gov/oes/current/oes_46520.htm)> accessed April 25, 2023.

**Table 12.38-- EMPLOYMENT AND WAGES OF KAHULUI-WAILUKU-LAHAINA METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: MAY 2022**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 2/
35-3031	Waiters & waitresses	2,640	18.97	39,450
41-2031	Retail salespersons	2,530	18.74	38,980
35-3023	Fast food and counter workers	2,270	14.92	31,040
37-2012	Maids and housekeeping cleaners	2,190	23.39	48,650
41-2011	Cashiers	2,120	16.17	33,630
43-9061	Office clerks, general	2,010	21.25	44,190
35-2014	Cooks, restaurant	1,910	23.59	49,070
11-1021	General and operations managers	1,670	54.34	113,020
37-2011	Janitors & cleaners, exc. maids & housekeeping cleaners	1,520	17.85	37,140
37-3011	Landscaping and groundskeeping workers	1,480	20.41	42,460
49-9071	Maintenance & repair workers, general	1,270	27.95	58,130
43-1011	First-line supervisors of office & admin. support workers	1,190	29.87	62,130
29-1141	Registered nurses	1,080	52.81	109,840
35-1012	First-line supervisors of food preparation and serving	1,080	25.30	52,620
53-7065	Stockers and order fillers	1,010	18.85	39,200
25-2031	Secondary school teachers, exc. special and career/technical education	930	(3/)	63,540
35-9011	Dining room and cafeteria attendants and bartender helpers	910	18.12	37,690
43-6014	Secretaries & administrative assistants, except legal,	880	23.46	48,800
53-7062	Laborers and freight, stock, and material movers, hand	880	20.36	42,360
41-1011	First-line supervisors of retail sales workers	820	26.61	55,340
43-4051	Customer service representatives	810	20.21	42,040
35-3011	Bartenders	780	22.64	47,090
35-9021	Dishwashers	740	18.16	37,770
39-3091	Amusement and recreation attendants	710	19.36	40,270
43-3031	Bookkeeping, accounting, and auditing clerks	700	24.40	50,750

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 2022 Metropolitan Area Occupational Employment and Wage Estimates Kahului-Wailuku-Lahaina, HI MSA"

<[http://www.bls.gov/oes/current/oes\\_27980.htm](http://www.bls.gov/oes/current/oes_27980.htm)> accessed April 25, 2023.



**Table 12.39-- EMPLOYMENT AND WAGES OF HAWAII-KAUAI NONMETROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: MAY 2022**

[In descending order by employment. Self-employed are excluded]

SOC Code 1/	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 2/
35-3023	Fast food and counter workers	3,560	13.87	28,860
41-2031	Retail salespersons	3,230	18.61	38,700
41-2011	Cashiers	3,190	15.03	31,260
43-9061	Office clerks, general	2,880	20.01	41,630
35-3031	Waiters and waitresses	2,610	15.04	31,270
37-3011	Landscaping and groundskeeping workers	2,460	19.54	40,650
35-2014	Cooks, restaurant	2,120	20.60	42,850
11-1021	General and operations managers	1,970	48.42	100,700
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	1,860	17.43	36,250
37-2012	Maids and housekeeping cleaners	1,780	21.25	44,200
29-1141	Registered nurses	1,750	50.57	105,190
53-7065	Stockers and order fillers	1,620	16.71	34,750
25-2031	Secondary school teachers, exc. special and career/technical education	1,600	(3/)	58,090
43-1011	First-line supervisors of office and administrative support workers	1,490	29.02	60,360
49-9071	Maintenance and repair workers, general	1,340	25.76	53,580
43-4051	Customer service representatives	1,240	20.00	41,600
43-6014	Secretaries and administrative assistants, except legal, medical, and executive	1,230	21.69	45,110
53-7062	Laborers and freight, stock, and material movers, hand	1,230	18.79	39,080
25-9045	Teaching assistants, exc. postsecondary	1,200	(3/)	33,420
35-1012	First-line supervisors of food prep. & serving workers	1,190	23.96	49,840
41-1011	First-line supervisors of retail sales workers	1,140	25.26	52,550
43-3031	Bookkeeping, accounting, and auditing clerks	1,100	22.19	46,160
31-1131	Nursing assistants	1,050	19.11	39,740
47-2031	Carpenters	1,020	34.51	71,780
35-9011	Dining room and cafeteria attendants and bartender helpers	960	14.56	30,280

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 2022 Nonmetropolitan Area Occupational Employment and Wage Estimates, Hawaii-Kauai Nonmetropolitan Area"

<[http://www.bls.gov/oes/current/oes\\_1500001.htm](http://www.bls.gov/oes/current/oes_1500001.htm)> accessed April 25, 2023.

**Table 12.40-- ANNUAL COMPENSATION OF TOP 50 PAID MEMBERS OF PUBLIC BOARD OF DIRECTORS: 2015 TO 2022**

[Indicates number of board members at each level of total annual compensation. An individual may be a member of, and therefore compensated by, more than one board. Total compensation includes cash, stock awards, and other compensation. Source based list on information obtained from proxy statements filed with the U.S. Securities and Exchange Commission]

Annual compensation (\$)	2015	2016	2017	2018	2019	2020	2021	2022
120,000 to 149,999	1/ 6	1/ 6	1/ 3	1/ 2	-	-	-	-
150,000 to 174,999	14	9	7	8	2/ 16	2/ 17	2/ 9	2/ 8
175,000 to 199,999	3	5	11	12	7	11	6	8
200,000 to 299,999	4	9	8	9	9	9	19	19
300,000 to 399,999	3	6	7	6	5	1	4	3
400,000 to 499,999	2	1	2	3	4	1	1	1
500,000 to 599,999	2	1	-	1	-	1	1	1
600,000 to 699,999	4	2	1	-	-	-	-	-
700,000 to 799,999	1	-	-	-	-	-	-	-
800,000 to 899,999	0	-	1	-	-	-	-	-
900,000 to 999,999	1	-	-	-	-	-	-	-
1,000,000 to 1,499,999	3	3	3	2	1	3	1	1
1,500,000 to 1,999,999	3	2	1	1	1	1	2	2
2,000,000 to 2,999,999	1	1	1	1	1	1	-	2
3,000,000 to 3,999,999	1	2	1	1	2	1	2	1
4,000,000 to 4,999,999	1	2	2	2	1	1	2	2
5,000,000 to 5,999,999	1	1	1	2	2	3	-	-
6,000,000 and over	-	-	1	-	1	-	3	3/ 2

1/ Lowest total annual compensation was \$137, 735 in 2015 (two members tied for 49th); \$124,968 in 2016; \$121,805 in 2017; and \$145,383 in 2018.

2/ Lowest total annual compensation was \$152,065 in 2019; \$152, 620 in 2020; \$160,486 in 2021; and \$161,922 in 2022.

3/ Highest total compensation was \$6,056,524 in 2022.

Source: *Pacific Business News*, "Highest-paid Public Board of Directors Ranked by 2015 Total Compensation" (June 14, 2016); Ibid. "2016" ( June 23, 2017); Ibid. "2017" (June 22, 208)" Ibid. "2018" (June 21, 2019); Ibid. "2019" (June 26, 2020); Ibid. "2020" (June 25, 2021 and updated June 28, 2021); Ibid. "2021" (June 24, 2022) <<https://www.bizjournals.com/pacific/>> accessed July 4, 2022; and Ibid. "2022" (June 23, 2023) <<https://www.bizjournals.com/pacific/>> accessed July 11, 2023.

**Table 12.41-- MINIMUM WAGE CHRONOLOGY: 1942 TO 2028**

[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	2002 2/	5.75
1943	0.30	0.25	1964 2/	1.25	2003 2/	6.25
1945	0.40	0.40	1969	1.40	2006 4/	6.75
1953	0.65	0.55	1970 2/	1.60	2007 4/ 5/	7.25
1955	0.75	0.65	1974	2.00	2015 5/	7.75
1957	0.90	0.85	1975 2/	2.40	2016 5/	8.50
1958	1.00	1.00	1978	2.65	2017 5/	9.25
			1979	2.90	2018 5/	10.10
			1980	3.10	2022 6/	12.00
			1981	3.35	2024 6/	14.00
			1988 2/	3.85	2026 6/	16.00
			1992 3/	4.75	2028 6/	18.00
			1993 2/	5.25		

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, rose to \$5.85 on July 24, 2007 and to \$6.55 on July 24, 2008, and to \$7.25 on July 24, 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 \$0.75 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.

6/ On June 22, 2022, Governor David K. Ige (Gov. Msg. No. 1214) signed Act 114 into law which increases minimum wage rate to \$12.00 per hour beginning on October 1, 2022, \$14.00 per hour beginning on January 1, 2024, \$16.00 per hour beginning on January 1, 2026, and \$18.00 per hour beginning on January 1, 2028. Act 114 also increases the tip credit to \$1.00 per hour beginning on October 1, 2022, and to \$1.25 cents per hour beginning on January 1, 2024; and to \$1.50 on January 1, 2028, 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 Legislature, 27th Legislature, 2014 Measure Status Legislature, 27th Legislature, 2014 Measure Status SB2609 SD1 HD2 CD1 Relating to Minimum Wage <[http://www.capitol.hawaii.gov/measure\\_indiv.aspx?billtype=SB&billnumber=2609&year=2014](http://www.capitol.hawaii.gov/measure_indiv.aspx?billtype=SB&billnumber=2609&year=2014)> accessed July 19, 2014; Hawaii State Legislature, 31th Legislature, 2022 Measure Status Legislature <[https://www.capitol.hawaii.gov/advreport.aspx?year=2022&report=deadline&rpt\\_type=gov\\_acts&measuretype=HB,SB&title=Acts](https://www.capitol.hawaii.gov/advreport.aspx?year=2022&report=deadline&rpt_type=gov_acts&measuretype=HB,SB&title=Acts)> accessed July 4, 2022; 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 4, 2022; and records.

**Table 12.42-- MINIMUM WAGE, BY STATE AND FOR THE DISTRICT OF COLUMBIA: JULY 1, 2023**

[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](http://www.dol.gov/whd/contacts/state_of.htm)>]

Area	Minimum wage	Area	Minimum wage
Alabama	(1/)	Nebraska 2/	10.50
Alaska	10.85	Nevada 3/	11.25/10.25
Arizona	13.85	New Hampshire	7.25
Arkansas	11.00	New Jersey	14.13
California	15.50	New Mexico	12.00
Colorado	13.65	New York	14.20
Connecticut	14.00	North Carolina	7.25
Delaware	11.75	North Dakota	7.25
Florida	11.00	Ohio 2/	10.10
Georgia 2/	7.25	Oklahoma 2/	7.25
<b>Hawaii</b>	<b>12.00</b>	Oregon	13.50
Idaho	7.25	Pennsylvania	7.25
Illinois	13.00	Rhode Island	13.00
Indiana	7.25	South Carolina	(1/)
Iowa	7.25	South Dakota	10.80
Kansas	7.25	Tennessee	(1/)
Kentucky	7.25	Texas	7.25
Louisiana	(1/)	Utah	7.25
Maine	13.80	Vermont	13.18
Maryland 2/	13.25	Virginia	12.00
Massachusetts	15.00	Washington	15.74
Michigan	10.10	West Virginia	8.75
Minnesota	10.59	Wisconsin	7.25
Mississippi	(1/)	Wyoming	7.25
Missouri	12.00	Dist. of Columbia	16.50
Montana 2/	9.95		

1/ No minimum wage required under state laws.

2/ Some states have different minimum wage based on specific criteria, see U.S. Department of Labor "State Minimum Wage Laws" <<https://www.dol.gov/agencies/whd/minimum-wage/state>> for details.

3/ On July 1, 2023, the minimum wage for employees without health insurance will increase to \$11.25 and those with health insurance to \$10.25.

Source: U. S. Department of Labor, Wage and Hour Division (WHD), "Consolidated Minimum Wage Table - July 1, 2023" (as corrected) <<https://www.dol.gov/agencies/whd/minimum-wage/state>> accessed July 12, 2023.

**Table 12.43-- FEDERAL MINIMUM WAGE WORKERS, ANNUAL AVERAGE:  
TOTAL, 2010 TO 2022, AND BY SEX, 2010 TO 2013 AND 2022**

[The federal minimum wage applies if higher than the State minimum wage. Since July 24, 2009, the federal minimum wage has been \$7.25. On January 1, 2018, Hawaii's minimum wage increased from \$9.25 to \$10.10, and increased to \$12.00 on October 1, 2022. See table 12.41 for chronology. Data are based on a sample and subject to sampling variability]

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	
2010	318	15	8	7	4.7	2.5	2.2	14
Men	160	5	3	2	3.1	1.9	1.3	15
Women	158	10	5	5	6.3	3.2	3.2	12
2011	321	15	8	7	4.7	2.5	2.2	14
Men	160	8	4	4	5.0	2.5	2.5	15
Women	161	7	4	3	4.3	2.5	1.9	13
2012	331	14	7	7	4.2	2.1	2.1	14
Men	177	7	4	3	4.0	2.3	1.7	15
Women	154	7	4	3	4.5	2.6	1.9	13
2013	325	15	10	5	4.6	3.1	1.5	14
Men	168	7	4	3	4.2	2.4	1.8	14
Women	157	7	5	2	4.5	3.2	1.3	13
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)
2020	303	2	-	2	0.7	0.0	0.7	(NA)
2021	311	3	-	3	1.0	0.1	0.9	(NA)
2022	327	1	-	1	0.3	0.0	0.3	(NA)
Men	172	(1/)	-	(1/)	0.1	0.0	0.1	(NA)
Women	156	1	-	3	0.4	0.0	0.4	(NA)

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](https://www.bls.gov/opub/reports/#cps_minimum_wage)> accessed April 8, 2022; and records.

**Table 12.44-- COMPENSATION OF THE PRESIDENT AND PRESIDENT/OTHER OF SELECTED LABOR UNIONS: 2022**

[In reported to the U.S. Department of Labor, Office of Labor-Management Standards (OLMS) via Forms LM-2, or LM-3. Classified as officers rather than employees, then further identified as president alone or in combination with another role such as business agent, etc. Forty-six unions are included and within them are organizations designated as building and construction trades council, branch, chapter, district council, local union, lodge, metal trades council, port council, regional council or state association. OLMS does not have jurisdiction over unions representing solely state, county, or municipal employees. These unions do not file financial reports with OLMS. Database last updated January 27, 2023]

Total compensation	Number	Total compensation	Number
Total	75		
\$250,000 to \$299,999	1	\$10,000 to \$19,999	6
\$200,000 to \$249,999	1	\$2,000 to \$9,999	10
\$150,000 to \$199,999	3	\$1,000 to \$1,999	5
\$100,000 to \$149,999	4	\$1 to \$999	9
\$20,000 to \$99,999	5	\$0 or no data	31

Source: U.S. Department of Labor, Office of Labor-Management Standards (OLMS), Online Public Disclosure Room "Officer/Employee Search" <<https://olmsapps.dol.gov/query/> accessed July 23, 2023.

**Table 12.45-- AVERAGE AND TOTAL WEEKLY HOURS AT WORK:  
2000 TO 2021**

[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
2019	615	32	74	45	31	308	34	90	38.1	41.8
2020	544	35	70	49	22	259	28	79	37.5	41.0
2021	593	30	76	48	28	297	33	81	37.9	41.5

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](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](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](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](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](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](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](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; Ibid. *2019* <<https://www.bls.gov/opub/geographic-profile/home.htm>> accessed October 16, 2020; Ibid. *2020* <<https://www.bls.gov/opub/geographic-profile/home.htm>> accessed July 14, 2021; Ibid. *2021* <<https://www.bls.gov/opub/geographic-profile/home.htm>> accessed April 17, 2023; and earlier reports.

**Table 12.46-- INTERSTATE MOVEMENT OF JOB-SEEKERS PARTICIPATING IN THE UNEMPLOYMENT INSURANCE PROGRAM: 1993 TO 2022**

Year	Island workers on Mainland 1/	Mainland workers in Hawaii 2/	Ratio 3/
1993	9,543	4,356	46
1994	10,121	4,229	42
1995	10,115	4,000	40
1996	8,633	3,338	39
1997	7,051	2,356	33
1998	4,366	2,720	62
1999	3,511	2,572	73
2000	2,845	2,910	102
2001	3,423	3,611	105
2002	3,223	4,325	134
2003	2,826	4,247	150
2004	2,359	3,209	136
2005	2,399	2,680	112
2006	2,731	2,273	83
2007	3,028	2,163	71
2008	3,986	2,559	64
2009	4,072	3,842	94
2010	3,214	3,478	108
2011	3,148	3,384	107
2012	3,001	2,896	97
2013	3,187	2,608	82
2014	3,316	2,054	62
2015	3,060	1,742	57
2016	3,038	1,514	50
2017	2,691	1,378	51
2018	2,451	1,270	52
2019	2,648	1,264	48
2020	13,001	6,789	52
2021	7,952	4,482	56
2022	3,798	1,111	29

1/ Interstate liable initial claims, State Unemployment Insurance Program (UI), excluding Federal Unemployment Compensation for Federal Employees program (UCFE) and Federal Unemployment Compensation for Ex-Service members program (UCX). Covers Hawaii workers seeking work and filing for benefits on the Mainland.

2/ Interstate agent initial claims (UI), excluding UCFE and UCX. Covers former Mainland workers living in Hawaii and filing unemployment insurance claims against their former Mainland employers.

3/ Interstate agent initial claims as a percent of interstate liable initial claims. Ratios under 100 suggest a net out-migration of workers.

Source: Hawaii State Department of Labor and Industrial Relations, Research & Statistics Office, Unemployment Insurance, records.



**Table 12.47-- NONFATAL OCCUPATIONAL INJURIES AND ILLNESSES,  
PRIVATE INDUSTRY: 2002 TO 2021**

[Numbers in thousands. For 1995 to 2001, 'Injuries' were also presented separately, see the 2017 *Data Book*. Beginning in 2002, the categories of illnesses were expanded and data not comparable to previous years. Prior to 2003, industries are according to Standard Industrial Classification (SIC). Beginning in 2003, industries are according to the North American Industry Classification System (NAICS)]

Subject	Total cases		Lost workday cases 1/		Cases without lost workdays
	Number	Per 100 full-time workers	Number	Per 100 full-time workers	
2002	19.5	5.8	11.8	3.5	7.8
2003	18.6	5.4	11.6	3.4	7.0
2004	17.8	4.9	10.7	3.0	7.1
2005	18.5	4.9	11.5	3.1	7.0
2006	18.2	4.8	11.5	3.0	6.7
2007	18.1	4.6	11.8	3.0	6.3
2008	16.7	4.3	10.4	2.6	6.3
2009	14.9	4.0	8.9	2.4	6.0
2010	14.0	3.9	8.2	2.3	5.8
2011	12.7	3.5	7.6	2.1	5.0
2012	13.7	3.8	8.2	2.3	5.5
2013	13.5	3.7	8.2	2.3	5.2
2014	14.3	3.7	8.6	2.2	5.7
2015	13.1	3.4	7.9	2.1	5.3
2016	13.7	3.5	8.1	2.1	5.6
2017	18.0	3.7	11.4	2.4	6.6
2018	13.4	3.3	8.2	2.0	5.2
2019	13.5	3.2	8.4	2.0	5.1
2020	10.9	3.0	7.5	2.1	3.4
2021	11.0	3.3	7.0	2.1	4.0

1/ Days away from work, or days of restricted work activity, or both.

Source: Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division, *Occupational Injuries and Illnesses Survey* (annual); U.S. Bureau of Labor Statistics, "State Occupational Injuries, Illnesses, and Fatalities" <<http://www.bls.gov/iif/oshstate.htm#HI>> accessed May 22, 2023 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.48-- FATAL OCCUPATIONAL INJURIES BY EVENT OR EXPOSURE: 2013 TO 2021**

[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/	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total	11	31	18	29	20	22	26	16	15
Violence & other injuries by persons or animals 2/	(3/)	4	5	(3/)	3	5	5	(3/)	(3/)
Transportation incidents 4/	4	14	6	20	10	5	12	7	3
Fires and explosions	(3/)	(3/)	(3/)	(3/)	(3/)	(3/)	1	(3/)	(3/)
Falls, slips, trips	4	7	3	5	5	5	(3/)	(3/)	(3/)
Exposure to harmful substances or environ.	2	(3/)	3	(3/)	(3/)	4	4	(3/)	4
Contact with objects and equipment	(3/)	3	(3/)	1	(3/)	3	(3/)	(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/oshoiics.htm](http://www.bls.gov/iif/oshoiics.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, "National Census of Fatal Occupational Injuries in 2018" <<https://www.bls.gov/news.release/pdf/cfoi.pdf>> accessed January 22, 2020; Ibid "2019" (December 16, 2020) <<https://www.bls.gov/news.release/pdf/cfoi.pdf>> accessed June 6, 2021; Ibid "2020" (December 16, 2021) <<https://www.bls.gov/news.release/pdf/cfoi.pdf>> accessed December 16, 2021; U.S. Bureau of Labor Statistics, Census of Fatal Occupational Injuries (2011 forward) <<https://data.bls.gov/PDQWeb/fw>> accessed January 10, 2023; U.S. Bureau of Labor Statistics, "Fatal Work Injuries in Hawaii – 2018" (February 11, 2020) <[https://www.bls.gov/regions/west/news-release/fatalworkinjuries\\_hawaii.htm](https://www.bls.gov/regions/west/news-release/fatalworkinjuries_hawaii.htm)> accessed February 11, 2020; Ibid. "2019" (April 6, 2021) <[https://www.bls.gov/regions/west/news-release/fatalworkinjuries\\_hawaii.htm](https://www.bls.gov/regions/west/news-release/fatalworkinjuries_hawaii.htm)> accessed July 13, 2021; Ibid. "2020" (March 22, 2022) <[https://www.bls.gov/regions/west/news-release/fatalworkinjuries\\_hawaii.htm](https://www.bls.gov/regions/west/news-release/fatalworkinjuries_hawaii.htm)> accessed June 9, 2022.

**Table 12.49-- FATAL OCCUPATIONAL INJURIES FOR HAWAII AND THE UNITED STATES: 1992 TO 2021**

[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	2008	19	5,214
1993	26	6,331	2009	13	4,551
1994	21	6,632	2010	19	4,690
1995	24	6,275	Revised OIICS 2/		
1996	27	6,202			
1997	19	6,238	2011	26	4,693
1998	12	6,055	2012	20	4,628
1999	32	6,054	2013	11	4,585
2000	20	5,920	2014	31	4,821
2001 1/	41	5,915	2015	18	4,836
2002	24	5,534	2016	29	5,190
2003	21	5,575	2017	20	5,147
2004	25	5,764	2018	22	5,250
2005	15	5,734	2019	26	5,333
2006	30	5,840	2020	16	4,764
2007	23	5,657	2021	15	5,190

1/ Totals for 2001 exclude fatalities resulting from the September 11 terrorist attacks.

2/ The 2011 data incorporate a major revision in the Occupational Injury and Illness Classification System (OIICS), which is used to describe the characteristics of fatal work injuries. Because of the extensive revisions, data for the OIICS case characteristics for reference year 2011 represent a break in series with data for prior years. See also "Occupational Injury and Illness Classification Manual" <<http://www.bls.gov/iif/oshoiics.htm>>.

Source: U.S. Bureau of Labor Statistics, *Census of Fatal Occupational Injuries All Worker Profile, 1992-2002* (revised data, January 7, 2005) <<http://www.bls.gov/iif/oshwc/foi/cftb0186.pdf>> accessed April 21, 2005; Census of Fatal Occupational Injuries (CFOI) - Current and Revised Data, "Census of Fatal Occupational Injuries Charts, 1992-2015 (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 10, 2023; State Occupational Injuries, Illnesses, and Fatalities, "Fatal occupational injuries by selected characteristics, by major event or exposure, Hawaii" (annual) <<http://www.bls.gov/iif/oshstate.htm#HI>> accessed January 10, 2023.

**Table 12.50-- WORK INJURIES, DEATHS, TIME LOST AND COMPENSATION COSTS: 1990 TO 2020**

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
2019	20,414	26	1,297,261	382,454
2020	14,864	23	1,334,503	362,833

Source: Hawaii State Department of Labor and Industrial Relations, *Workers' Compensation Data Book* (annual) and for 1993 to 2019 <<http://labor.hawaii.gov/rs/home/work-injuries-and-illnesses/workers-compensation-data/>> accessed July 8, 2022; and records.

**Table 12.51-- UNION AFFILIATION OF EMPLOYED WAGE AND SALARY WORKERS FOR HAWAII AND THE UNITED STATES: 2000 TO 2022**

[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 employed (1,000)	Members of unions (1,000) 1/		Represented by unions (1,000) 2/		Total employed (1,000)	Members of unions (1,000) 1/		Represented by unions (1,000) 2/	
		Total	Percent of employed	Total	Percent of employed		Total	Percent of employed	Total	Percent of employed
2000	503	125	24.8	131	26.0	122,089	16,334	13.4	18,153	14.9
2001	515	118	22.9	129	25.0	122,229	16,305	13.3	18,026	14.7
2002	490	120	24.5	124	25.3	121,826	16,145	13.3	17,695	14.5
2003	511	122	23.8	127	24.8	122,358	15,776	12.9	17,448	14.3
2004	533	126	23.7	132	24.8	123,554	15,472	12.5	17,087	13.8
2005	545	141	25.8	145	26.7	125,889	15,685	12.5	17,223	13.7
2006	562	139	24.7	146	25.9	128,237	15,359	12.0	16,860	13.1
2007	556	130	23.4	135	24.2	129,767	15,670	12.1	17,243	13.3
2008	562	136	24.3	143	25.5	129,377	16,098	12.4	17,761	13.7
2009	526	123	23.5	128	24.3	124,490	15,327	12.3	16,904	13.6
2010	511	111	21.8	120	23.5	124,073	14,715	11.9	16,290	13.1
2011	525	113	21.5	118	22.5	125,187	14,764	11.8	16,290	13.0
2012	537	116	21.6	124	23.2	127,577	14,366	11.3	15,922	12.5
2013	549	121	22.1	129	23.6	129,110	14,528	11.3	16,028	12.4
2014	572	124	21.8	131	22.9	131,431	14,576	11.1	16,152	12.3
2015	583	119	20.4	126	21.7	133,743	14,795	11.1	16,441	12.3
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
2020	508	120	23.7	130	25.7	132,174	14,253	10.8	15,939	12.1
2021	541	121	22.4	131	24.1	136,393	14,012	10.3	15,802	11.6
2022	572	125	21.9	134	23.4	141,673	14,285	10.1	16,002	11.3

1/ Members of a labor union or an employee association similar to a union.

2/ Members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

Source: U.S. Bureau of Labor Statistics, "Union Members - 2022" (USDL-23-0071, January 19, 2023) <<https://www.bls.gov/news.release/union2.toc.htm>> accessed January 19, 2023 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 19, 2023.

**Table 12.52-- LABOR UNIONS AND MEMBERSHIP: 2019 TO 2021**

[As of December 31. Source collected information via questionnaires, phone interviews, company websites, and the most recent LM-2 Labor Organization Annual Reports filed with the U.S. Department of Labor <[www.dol.gov/agencies/olms/public-disclosure-room](http://www.dol.gov/agencies/olms/public-disclosure-room)>. Labor organizations that represent private-section employees and employees of most federal government agencies are required to file the reports although unions composed solely of state and local government employees are not. Greatest membership 2021 ranked 1]

Rank	Labor union	2019	2020	2021
1	Hawaii Government Employees Assn., AFSCME Local 152	39,000	38,647	36,140
2	Hawaii State Teachers Association	13,700	13,500	13,700
3	Longshore & Warehouse Union, Local 142	15,203	13,655	13,271
4	United Public Workers, AFSCME, Local 646	12,800	12,798	11,943
5	UNITE HERE, Local 5	11,254	7,830	9,979
6	Teamsters, Local 996	5,179	6,467	5,778
7	Carpenters, Local 745	4,440	4,262	4,335
8	Hawaii Nurses Association	4,723	4,000	3,993
9	Laborers, Local 368	4,014	3,962	3,819
10	Operating Engineers, Local 3	(1/)	3,500	3,500
11	Electrical Workers, Local 1186	3,471	3,184	3,112
12	Hawaii Fire Fighters Association, Local 1463	3,100	3,100	2,900
13	United Food & Commercial Workers, Local 480	2,404	2,755	2,727
14	University of Hawaii Professional Assembly	3,261	3,402	2,723
15	State of Hawaii Organization of Police Officers (SHOPO)	3,560	3,000	2,700
16	Electrical Workers, Local 1260	2,881	2,571	2,552
17	Plumbers and Fitters, Local 675	2,192	2,251	2,287
18	Carpenters, Local 746	1,848	1,823	1,862
19	Bricklayers, Local 1	982	992	1,040
20	Machinists, Lodge 1998	1,007	990	919
21	SMART, Local 293	839	847	848
22	Iron Workers, Local 625	781	763	719
23	Plasterers and Cement Masons, Local 630	901	798	683
24	Stage & Picture Operators Local 665	598	589	661
25	Electrical Workers, Local 1357	638	557	535
(1/)	Machinists, Lodge 1979	4,545	(1/)	(1/)

1/ Unranked this year.

Source: Pacific Business News, *Book of Lists 2020-2021* "Labor Unions Ranked by Number of Members as of December 31, 2019" (December 11, 2020) <<https://www.bizjournals.com/pacific/subscriber-only/2020/12/11/labor-unions.html>> accessed August 2, 2021 and Ibid. *Book of Lists 2021-2022* "December 31, 2020" (December 10, 2021) <<https://www.bizjournals.com/pacific/subscriber-only/2021/12/10/labor-unions.html>> accessed July 2, 2022; Ibid, *Book of Lists 2022-2023* (December 23, 2022) "Labor Unions Ranked by Number of Members as of December 31, 2021" (December 9, 2022), page 58.

**Table 12.53-- STATE AND COUNTY EMPLOYEES IN COLLECTIVE BARGAINING UNITS, BY EMPLOYING JURISDICTION: 2004 TO 2020**

[As of December 31]

Year	Total	State of Hawaii	City & County of Honolulu	County of Hawaii	County of Maui	County of Kauai	Dept. of Educ.	Judiciary	University of Hawaii	HHSC 1/
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 2/	61,086	12,773	8,181	2,286	2,101	1,119	21,714	1,607	7,519	3,786
2015 2/	60,729	12,368	8,172	2,306	2,125	1,082	21,562	1,599	7,410	4,105
2016 2/	60,607	12,848	8,209	2,322	2,153	1,084	21,633	1,554	7,349	3,455
2017 2/	59,657	12,701	8,125	2,288	2,113	1,197	22,209	1,560	7,272	2,192
2018 2/	59,727	12,676	8,107	2,319	2,142	1,076	22,240	1,539	7,271	2,357
2019 2/	60,747	12,685	8,076	2,350	2,132	1,078	22,420	1,558	8,016	2,432
2020 2/	59,172	12,343	8,124	2,394	2,131	1,078	22,233	1,479	6,962	2,428

1/ HHSC is the Hawaii Health Systems Corporation.

2/ Beginning in 2014, includes new Bargaining Unit 14 State law enforcement officers and state and county ocean safety and water safety officers.

See Table 9.68 for number of employees by bargaining unit and employer.

Source: Hawaii Labor Relations Board, *HLRB Informational Bulletin*, 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; No. 58, February 26, 2021; No. 59, February 26, 2021; and earlier issues. For No. 43 to current, see also <<http://labor.hawaii.gov/hlrp/find-a-report/>> accessed July 2, 2022.

**Table 12.54-- COLLECTIVE BARGAINING AGREEMENTS: 1964 TO 2018**

Year	Number of agreements	Workers covered		Year	Number of agreements	Workers covered	
		Total	Average per agreement			Total	Average per agreement
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 2022**

[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/	Workdays lost 2/
1990	13	7,415	119,509
1991 and 1992	-	-	-
1993	2	160	6,018
1994 3/	3	12,202	109,529
1995	-	-	-
1996	1	13	715
1997	-	-	-
1998	1	150	(NA)
1999 and 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 to 2009	-	-	-
2010	3	1,725	(NA)
2011	3	2,461	(NA)
2012 to 2014	-	-	-
2015 4/	-	-	-
2016 and 2017	-	-	-
2018	1	2,700	(NA)
2019 to 2021	-	-	-
2022 5/	1	Fewer than 100	(NA)

NA Not available.

1/ Stoppages carrying over from previous year are counted in both years.

2/ Partly estimated.

3/ Data exclude Hawaii Government Employees' Association (HGEA) strikers in Hawaii County.

4/ The strike by Local 5 employees at Kaiser-Permanente was February 2-7 and not during the DLIR criterion for the workweek containing the 12th.

5/ The Kaiser mental health strike started August 29, 2022 and involved fewer than 100 workers on 3 islands (Oahu, Maui, Hawaii).

Source: Hawaii State Department of Business, Economic Development & Tourism, unpublished estimates; and Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office unpublished estimates; and U.S. Bureau of Labor Statistics, "Major Work Stoppages" (annual) <<https://www.bls.gov/wsp/>> and "Major Work Stoppages Detailed Monthly Listing 2022" <<https://www.bls.gov/wsp/publications/monthly-details/XLSX/work-stoppages-2022.xlsx>> accessed July 3, 2023. See also "Major Work Stoppages Detailed Monthly Listing, 1993-Present" <<https://www.bls.gov/web/wkstp/monthly-listing.htm>> accessed July 3, 2023.

**Table 12.56-- WORK STOPPAGES INVOLVING 1,000 OR MORE WORKERS:  
1983 TO 2022**

Year	Number of stoppages beginning 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 to 1993	-	-	-	-
1994	1	15,800	136,500	(NA)
1995 to 2000	-	-	-	-
2001	2	15,100	195,900	(NA)
2002	1	1,170	(NA)	(NA)
2003	2	2,470	(NA)	(NA)
2004 to 2009	-	-	-	-
2010	1	1,185	(NA)	(NA)
2011	1	1,261	(NA)	(NA)
2012 to 2017	-	-	-	-
2018	1	2,700	(NA)	(NA)
2019 to 2022	-	-	-	-

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, records; and U.S. Bureau of Labor Statistics, "Major Work Stoppages" (annual) <<https://www.bls.gov/wsp/>> and "Major Work Stoppages Detailed Monthly Listing 2022" <<https://www.bls.gov/wsp/publications/monthly-details/XLSX/work-stoppages-2022.xlsx>> accessed July 3, 2023. See also "Major Work Stoppages Detailed Monthly Listing, 1993-Present" <<https://www.bls.gov/web/wkstp/monthly-listing.htm>> accessed July 3, 2023.

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

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Narrative

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<a href="#">13.03</a>	Gross Domestic Product, Hawaii and the United States: 1963 to 2022
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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.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey 1-year estimates are comparable to 2008 to 2019 and are included in Section 13 tables.

**Table 13.01-- HAWAII GENUINE PROGRESS INDICATOR (GPI): 2000 TO 2021**

[In billions of 2020 constant dollars. GPI is an indicator of economic welfare representing the costs and benefits of economic activity and can be decomposed into its constituent parts related to the economy, society and environment]

Year	Total GPI	Economic indicators	Social indicators	Environmental indicators
2000	44.1	22.3	28.4	-6.7
2001	43.8	23.0	27.5	-6.7
2002	44.3	23.5	28.1	-7.3
2003	44.8	24.5	28.0	-7.7
2004	45.2	24.7	28.7	-8.1
2005	46.0	25.7	28.7	-8.5
2006	48.0	27.1	29.4	-8.5
2007	1/ 48.7	1/ 27.4	30.1	-8.8
2008	1/ 51.2	1/ 27.7	30.0	-6.6
2009	1/ 52.5	1/ 27.4	31.6	-6.5
2010	1/ 51.9	1/ 27.5	31.7	1/ -7.3
2011 1/	52.5	27.6	32.2	-7.4
2012 1/	53.7	28.2	32.6	-7.2
2013 1/	54.9	28.9	33.2	-7.2
2014 1/	55.4	28.8	33.4	-6.9
2015 1/	57.1	28.5	35.6	-6.9
2016	1/ 62.1	1/ 31.8	1/ 37.2	-6.9
2017	1/ 63.5	1/ 31.3	1/ 39.3	-7.1
2018	1/ 64.3	1/ 32.2	1/ 39.2	-7.1
2019	1/ 64.0	1/ 31.9	1/ 39.2	-7.2
2020 1/	64.0	30.5	38.0	-4.4
2021	68.0	32.4	42.2	-6.6

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, Research & Economic Analysis Division, "Hawaii Genuine Progress Indicator (HI GPI)" <<https://dbedt.hawaii.gov/economic/hawaii-genuine-progress-indicator-hi-gpi/>> accessed July 5, 2023.

**Table 13.02-- GROSS DOMESTIC PRODUCT, TOTAL AND PER CAPITA  
AND RESIDENT POPULATION: 1997 TO 2022**

[The North American Industry Classification System (NAICS) 2012 is the basis for 1997 to 2022]

Year and category	Total		Per capita		Resident population 2/
	Current dollars (\$M.)	Chained 2012 dollars (\$M.) 1/	Current dollars 2/	Chained 2012 dollars 1/	
1997	37,707	55,804	31,121	46,057	1,211,640
1998	37,623	54,405	30,959	44,769	1,215,233
1999	38,991	54,852	32,216	45,321	1,210,300
2000	41,097	55,891	33,866	46,057	1,213,519
2001	42,585	55,679	34,737	45,417	1,225,948
2002	44,644	56,991	36,015	45,975	1,239,613
2003	48,166	59,979	38,497	47,939	1,251,154
2004	52,354	63,318	41,108	49,717	1,273,569
2005	57,369	67,124	44,379	51,924	1,292,729
2006	60,847	68,759	46,457	52,499	1,309,731
2007	64,164	70,080	48,769	53,266	1,315,675
2008	65,678	70,461	49,300	52,890	1,332,213
2009	64,550	67,928	47,931	50,439	1,346,717
2010	66,873	69,628	48,989	51,007	1,365,064
2011	69,084	70,647	49,882	51,010	1,384,943
2012	71,905	71,905	51,177	51,177	1,405,024
2013	74,555	73,063	52,386	51,338	1,423,171
2014	76,773	73,512	53,530	51,256	1,434,212
2015	81,230	75,870	56,157	52,451	1,446,479
2016	83,914	77,304	57,594	53,057	1,457,008
2017	3/ 87,217	3/ 78,947	3/ 59,805	3/ 54,134	1,458,361
2018	3/ 90,331	3/ 79,845	3/ 61,863	3/ 54,682	1,460,183
2019	3/ 91,913	3/ 79,213	3/ 63,082	3/ 54,366	1,457,034
2020 3/	82,536	70,109	56,880	48,317	1,451,043
2021 3/	91,096	74,547	62,948	51,513	1,447,154
2022	98,219	75,418	68,198	52,367	1,440,196

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 estimates as available as of December 2021. BEA produced intercensal annual state population statistics for 2010 to 2019 that are tied to the Census Bureau decennial counts for 2010 and 2020 as the Census Bureau has not yet produced these data. 2020 to 2022 are Census-released state population data which are based on the 2020 decennial counts.

3/ Revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by State (March 31, 2023) <<https://apps.bea.gov/itable/?ReqID=70&step=1>> accessed March 31, 2023; Ibid. SAINC1 Personal Income Summary (March 23, 2023) <<https://apps.bea.gov/itable/?ReqID=70&step=1>> accessed March 31, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.03-- GROSS DOMESTIC PRODUCT, HAWAII AND THE UNITED STATES: 1997 TO 2022**

[The North American Industry Classification System (NAICS) 2012 is the basis for 1997 to 2022]

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)	
1997	37,707	55,804	77.608	8,577,552	11,529,157	70.931
1998	37,623	54,405	75.662	9,062,817	12,045,824	74.110
1999	38,991	54,852	76.284	9,631,172	12,623,361	77.663
2000	41,097	55,891	77.729	10,250,952	13,138,035	80.830
2001	42,585	55,679	77.433	10,581,929	13,263,417	81.601
2002	44,644	56,991	79.258	10,929,108	13,488,357	82.985
2003	48,166	59,979	83.414	11,456,450	13,865,519	85.305
2004	52,354	63,318	88.058	12,217,196	14,399,696	88.592
2005	57,369	67,124	93.350	13,039,197	14,901,269	91.678
2006	60,847	68,759	95.625	13,815,583	15,315,943	94.229
2007	64,164	70,080	97.462	14,474,228	15,623,871	96.123
2008	65,678	70,461	97.991	14,769,862	15,642,962	96.241
2009	64,550	67,928	94.468	14,478,067	15,236,262	93.739
2010	66,873	69,628	96.833	15,048,970	15,648,991	96.278
2011	69,084	70,647	98.250	15,599,731	15,891,534	97.770
2012	71,905	71,905	100.000	16,253,970	16,253,970	100.000
2013	74,555	73,063	101.610	16,843,196	16,553,348	101.842
2014	76,773	73,512	102.235	17,550,687	16,932,051	104.172
2015	81,230	75,870	105.513	18,206,023	17,390,295	106.991
2016	83,914	77,304	107.508	18,695,106	17,680,274	108.775
2017 2/	87,217	78,947	109.794	19,477,337	18,076,651	111.214
2018 2/	90,331	79,845	111.042	20,533,058	18,609,078	114.489
2019 2/	91,913	79,213	110.163	21,380,976	19,036,052	117.116
2020 2/	82,536	70,109	97.502	21,060,474	18,509,143	113.875
2021 2/	91,096	74,547	103.674	23,315,081	19,609,812	120.646
2022	98,219	75,418	104.886	25,462,722	20,014,128	123.134

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/ Revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by State (March 31, 2023)  
Table SAGDP1 <<https://apps.bea.gov/itable/?ReqID=70&step=1>> accessed March 31, 2023.



**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 2020 estimates on March 23, 2022 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:  
2017 TO 2022**

[In millions of current dollars. Based on the 2012 North American Industry Classification System (NAICS) basis. 2017 to 2021 data revised from previous *Data Book*]

Industry	2017	2018	2019	2020	2021	2022
Total, all industries	87,217.4	90,330.8	91,912.7	82,535.5	91,096.1	98,218.8
Private industries	69,269.1	72,375.4	73,714.4	63,977.9	71,641.3	78,209.7
Agri., forestry, fish., & hunting	472.1	415.2	362.3	327.0	322.5	(D)
Mining, quar., gas & oil extraction	60.0	77.6	69.9	72.4	88.7	110.8
Utilities	1,831.9	1,866.5	1,859.5	1,797.8	1,968.8	2,551.8
Construction	5,025.8	5,020.1	5,323.8	5,236.8	5,278.6	5,115.0
Manufacturing	1,666.5	1,790.5	1,505.9	1,309.4	1,677.6	(D)
Wholesale trade	2,812.4	2,844.3	3,004.5	2,780.6	3,163.3	3,204.9
Retail trade	5,722.5	6,025.6	6,218.3	5,543.7	6,133.4	6,544.4
Trans. & warehousing	4,904.3	4,906.9	5,497.4	2,865.6	3,411.2	4,496.6
Information	1,970.4	2,206.5	2,007.7	1,835.5	2,215.0	2,480.4
Finance and insurance	3,099.3	3,393.8	3,516.5	3,668.9	4,084.9	3,935.9
Real estate, rental, & leasing	15,721.9	15,972.3	15,742.3	15,349.1	15,961.9	17,161.7
Prof., scientific & tech. serv.	3,669.0	3,800.8	3,860.3	3,683.6	4,102.6	4,365.7
Mgt of companies & enterprises	1,100.3	1,139.1	1,196.3	1,096.4	1,135.4	1,240.2
Administrative & waste services	3,055.7	3,175.0	2,757.4	2,479.7	2,664.0	2,955.4
Educational services	972.0	1,003.5	1,031.7	929.7	1,030.9	1,087.5
Health care & social assistance	5,971.1	6,257.9	6,609.1	6,770.7	7,119.4	7,378.0
Arts, entertainment, & recreation	1,030.4	1,121.6	1,209.2	722.1	1,007.0	1,211.5
Accommodation & food services	8,196.5	9,252.3	9,749.6	5,575.9	8,133.4	9,700.8
Accommodation	5,051.4	5,913.0	6,054.3	3,400.4	4,698.2	(NA)
Food serv. & drinking places	3,145.0	3,339.3	3,695.3	2,175.5	3,435.2	(NA)
Other services, exc. gov't	1,986.9	2,105.8	2,192.7	1,933.0	2,142.5	2,401.2
Government	17,948.3	17,955.4	18,198.3	18,557.6	19,454.8	20,009.1
Federal civilian	4,450.8	4,616.7	4,806.1	5,002.6	5,263.6	5,509.4
Federal military	5,362.8	4,948.7	4,859.5	5,014.9	5,562.3	5,604.5
State & local	8,134.6	8,390.0	8,532.7	8,540.2	8,628.9	8,895.2

D Not shown to avoid disclosure of confidential information; estimates are included in higher-level totals.

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By State, SAGDP2N (March 31, 2023)  
<<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1>> accessed March 31, 2023.

**Table 13.06-- GROSS DOMESTIC PRODUCT, BY NAICS INDUSTRY,  
IN CONSTANT DOLLARS: 2017 TO 2022**

[In millions of chained 2012 dollars. Based on the 2012 North American Industry Classification System (NAICS) basis. 2017 to 2021 revised from previous *Data Book*]

Industry	2017	2018	2019	2020	2021	2022
Total, all industries	78,947.4	79,845.3	79,213.4	70,109.4	74,547.2	75,418.3
Private industries	62,698.4	64,086.5	63,584.6	54,598.8	58,860.5	59,903.5
Agri., forestry, fishing, & hunting	621.7	565.6	507.9	463.4	335.8	(D)
Mining	68.3	84.2	76.4	79.9	90.6	95.5
Utilities	1,667.5	1,653.5	1,595.4	1,564.8	1,468.2	1,594.8
Construction	4,080.9	3,938.4	3,971.1	3,796.3	3,709.3	3,022.1
Manufacturing	1,783.5	1,782.5	1,565.4	1,433.8	1,551.1	(D)
Wholesale trade	2,644.0	2,587.1	2,592.5	2,422.7	2,547.5	2,321.9
Retail trade	5,610.8	5,883.1	5,953.2	4,990.0	4,907.8	4,767.0
Trans. & warehousing	4,226.2	4,227.2	4,498.4	2,590.8	3,024.7	3,489.6
Information	2,160.6	2,446.4	2,239.6	2,055.9	2,530.4	2,872.6
Finance and insurance	2,591.0	2,655.0	2,718.5	2,776.1	3,099.4	2,955.1
Real estate, rental, & leasing	13,973.1	13,910.8	13,315.4	12,624.1	12,942.2	13,393.4
Prof., scientific & tech. services	3,452.6	3,537.7	3,549.1	3,340.4	3,716.2	3,880.9
Mgt of companies & enterprises	1,113.1	1,171.8	1,256.8	1,171.8	1,236.1	1,374.6
Administrative & waste services	2,737.7	2,813.2	2,387.3	2,097.0	2,211.0	2,350.1
Educational services	846.8	855.4	858.9	753.3	812.6	832.0
Health care & social assistance	5,561.2	5,754.1	5,963.0	5,951.3	6,099.4	6,160.0
Arts, entertainment, & recreation	911.5	970.3	1,017.8	571.1	795.2	933.4
Accommodation & food services	6,984.6	7,574.1	7,735.9	4,544.2	6,357.5	6,905.6
Accommodation	4,348.7	4,863.1	4,833.0	2,952.6	3,907.5	(NA)
Food serv. & drinking places	2,635.4	2,713.4	2,903.5	1,601.9	2,430.6	(NA)
Other services, exc. gov't	1,714.7	1,768.5	1,777.2	1,493.9	1,592.5	1,671.9
Government	16,253.4	15,765.8	15,635.7	15,493.7	15,684.4	15,522.4
Federal civilian	4,125.5	4,154.9	4,237.9	4,336.9	4,410.4	4,445.0
Federal military	4,970.9	4,453.7	4,285.0	4,347.5	4,660.6	4,523.0
State & local	7,138.0	7,126.9	7,081.9	6,795.6	6,622.7	6,563.4

D Not shown to avoid disclosure of confidential information; estimates are included in higher-level totals.

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product By State SAGDP9N (March 31, 2023)  
<<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1>> accessed March 31, 2023.

**Table 13.07-- TOTAL AND PER CAPITA PERSONAL INCOME FOR HAWAII AND THE UNITED STATES: 1969 TO 2022**

Year	Personal income (millions of dollars)		Resident population 1/		Per capita personal income 2/		
	Hawaii	U.S.	Hawaii	U.S.	Dollars		Hawaii as percent of U.S. average
					Hawaii	U.S.	
1969	3,643	791,229	743,000	201,298,000	4,903	3,931	124.7
1970	4,225	855,525	762,920	203,798,722	5,538	4,198	131.9
1971	4,584	924,613	791,580	206,817,509	5,791	4,471	129.5
1972	5,048	1,016,408	818,104	209,274,882	6,170	4,857	127.0
1973	5,593	1,133,468	841,851	211,349,205	6,643	5,363	123.9
1974	6,361	1,244,912	858,121	213,333,635	7,412	5,836	127.0
1975	6,919	1,362,505	875,052	215,456,585	7,907	6,324	125.0
1976	7,466	1,495,704	892,335	217,553,859	8,367	6,875	121.7
1977	8,084	1,651,632	915,749	219,760,875	8,828	7,516	117.5
1978	8,954	1,855,849	928,816	222,098,244	9,640	8,356	115.4
1979	10,043	2,073,257	950,050	224,568,579	10,571	9,232	114.5
1980	11,484	2,313,160	967,710	227,224,719	11,867	10,180	116.6
1981	12,434	2,592,915	978,195	229,465,744	12,711	11,300	112.5
1982	13,166	2,779,794	993,780	231,664,432	13,249	11,999	110.4
1983	14,443	2,968,676	1,012,717	233,792,014	14,262	12,698	112.3
1984	15,473	3,279,488	1,027,922	235,824,907	15,052	13,906	108.2
1985	16,453	3,510,471	1,039,698	237,923,734	15,824	14,755	107.2
1986	17,458	3,719,647	1,051,762	240,132,831	16,599	15,490	107.2
1987	18,619	3,946,593	1,067,917	242,288,936	17,435	16,289	107.0
1988	20,478	4,267,813	1,079,827	244,499,004	18,964	17,455	108.6
1989	22,874	4,609,667	1,094,588	246,819,222	20,897	18,676	111.9
1990	24,979	4,897,821	1,113,491	249,622,814	22,433	19,621	114.3
1991	26,433	5,067,291	1,136,754	252,980,941	23,253	20,030	116.1
1992	28,435	5,409,920	1,158,613	256,514,224	24,542	21,090	116.4
1993	29,477	5,648,732	1,172,838	259,918,588	25,133	21,733	115.6
1994	30,164	5,940,128	1,187,536	263,125,821	25,400	22,575	112.5
1995	30,864	6,286,143	1,196,854	266,278,393	25,788	23,607	109.2
1996	30,895	6,673,186	1,203,755	269,394,284	25,665	24,771	103.6
1997	31,908	7,086,935	1,211,640	272,646,925	26,334	25,993	101.3
1998	32,515	7,601,594	1,215,233	275,854,104	26,756	27,557	97.1
1999	33,608	8,006,585	1,210,300	279,040,168	27,768	28,693	96.8
2000	35,579	8,654,561	1,213,519	282,162,411	29,319	30,672	95.6

Continued on next page.

**Table 13.07-- TOTAL AND PER CAPITA PERSONAL INCOME FOR HAWAII AND THE UNITED STATES: 1969 TO 2022 -- 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	37,059	9,009,842	1,225,948	284,968,955	30,229	31,617	95.6
2002	38,747	9,157,682	1,239,613	287,625,193	31,257	31,839	98.2
2003	40,621	9,491,393	1,251,154	290,107,933	32,467	32,717	99.2
2004	43,655	10,037,313	1,273,569	292,805,298	34,277	34,280	100.0
2005	47,023	10,599,603	1,292,729	295,516,599	36,375	35,868	101.4
2006	50,399	11,374,142	1,309,731	298,379,912	38,480	38,120	100.9
2007	53,272	12,014,107	1,315,675	301,231,207	40,490	39,883	101.5
2008	55,911	12,475,898	1,332,213	304,093,966	41,969	41,026	102.3
2009	55,326	12,073,407	1,346,717	306,771,529	41,082	39,356	104.4
2010	56,751	12,586,509	1,365,064	309,378,433	41,574	40,683	102.2
2011	59,288	13,330,436	1,384,943	311,841,632	42,809	42,747	100.1
2012	61,557	14,003,346	1,405,024	314,344,331	43,812	44,548	98.3
2013	62,521	14,189,228	1,423,171	316,735,375	43,931	44,798	98.1
2014	66,037	14,969,527	1,434,212	319,270,047	46,044	46,887	98.2
2015	69,109	15,681,233	1,446,479	321,829,327	47,777	48,725	98.1
2016	71,572	16,092,713	1,457,008	324,367,742	49,122	49,613	99.0
2017	3/ 74,543	16,837,337	1,458,361	326,623,063	3/ 51,114	3/ 51,550	99.2
2018	3/ 76,168	17,671,054	1,460,183	328,542,157	3/ 52,164	3/ 53,786	3/ 97.0
2019	3/ 79,700	18,575,467	1,457,034	330,233,102	3/ 54,700	3/ 56,250	3/ 97.2
2020	3/ 83,110	3/ 19,812,171	3/ 1,451,043	331,511,512	3/ 57,276	3/ 59,763	3/ 95.8
2021	3/ 87,858	3/ 21,288,709	3/ 1,447,154	332,031,554	3/ 60,711	3/ 64,117	3/ 94.7
2022	88,104	21,804,788	1,440,196	333,287,557	61,175	65,423	93.5

1/ Census Bureau midyear population estimates through 2009. BEA produced intercensal annual state population statistics for 2010 to 2019 (tied to the Census Bureau decennial counts for 2010 and 2020) as the Census Bureau did not publish these data when they released state population data for 2020 and 2021. BEA statistics will be used until the Census Bureau releases its official intercensal population data.

2/ Per capita personal income is total personal income divided by total midyear population.

3/ Revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, State Personal Income Summary SAINC1 (March 31, 2023) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed June 23, 2023; 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: 1997 TO 2022**

Year	Disposable personal income (millions of dollars)		Resident population 1/		Per capita disposable personal income 2/		Hawaii as percent of U.S. average
	Hawaii	U.S.	Hawaii	U.S.	Dollars		
					Hawaii	U.S.	
1997	28,229	6,156,053	1,211,640	272,646,925	23,298	22,579	103.2
1998	28,650	6,570,164	1,215,233	275,854,104	23,576	23,818	99.0
1999	29,573	6,895,701	1,210,300	279,040,168	24,434	24,712	98.9
2000	31,233	7,419,311	1,213,519	282,162,411	25,738	26,294	97.9
2001	32,589	7,771,915	1,225,948	284,968,955	26,583	27,273	97.5
2002	34,701	8,106,499	1,239,613	287,625,193	27,993	28,184	99.3
2003	36,621	8,488,947	1,251,154	290,107,933	29,269	29,261	100.0
2004	39,338	8,989,689	1,273,569	292,805,298	30,888	30,702	100.6
2005	41,905	9,388,418	1,292,729	295,516,599	32,416	31,770	102.0
2006	44,826	10,018,674	1,309,731	298,379,912	34,225	33,577	101.9
2007	47,363	10,523,276	1,315,675	301,231,207	35,999	34,934	103.0
2008	49,987	10,970,087	1,332,213	304,093,966	37,522	36,075	104.0
2009	50,552	10,922,500	1,346,717	306,771,529	37,537	35,605	105.4
2010	51,981	11,350,505	1,365,064	309,378,433	38,080	36,688	103.8
2011	53,846	11,878,781	1,384,943	311,841,632	38,880	38,092	102.1
2012	55,883	12,495,876	1,405,024	314,344,331	39,774	39,752	100.1
2013	56,154	12,515,000	1,423,171	316,735,375	39,457	39,512	99.9
2014	59,272	13,187,189	1,434,212	319,270,047	41,327	41,304	100.1
2015	61,526	13,743,790	1,446,479	321,829,327	42,535	42,705	99.6
2016	63,643	14,136,149	1,457,008	324,367,742	43,680	43,581	100.2
2017	3/ 66,326	3/ 14,790,170	1,458,361	326,623,063	3/ 45,480	3/ 45,282	3/ 100.4
2018	3/ 68,042	3/ 15,598,091	1,460,183	328,542,157	3/ 46,598	3/ 47,477	98.1
2019	3/ 70,982	3/ 16,379,175	1,457,034	330,233,102	3/ 48,717	3/ 49,599	3/ 98.2
2020 3/	74,141	17,577,865	1,451,043	331,511,512	51,095	53,023	96.4
2021 3/	77,268	18,629,289	1,447,154	332,031,554	53,393	56,107	95.2
2022 3/	75,632	18,608,077	1,440,196	333,287,557	52,515	55,832	94.1

1/ Census Bureau midyear population estimates through 2009. BEA produced intercensal annual state population statistics for 2010 to 2019 (tied to the Census Bureau decennial counts for 2010 and 2020) as the Census Bureau did not publish these data when they released state population data for 2020 and 2021. BEA statistics will be used until the Census Bureau releases its official intercensal population data.

2/ Per capita personal income is total personal income divided by total midyear population.

3/ Revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, State Personal Income Summary SAINC51 (March 23, 2023) <<https://apps.bea.gov/itable/?ReqID=70&step=1>> accessed June 23, 2023; and calculations by the 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]

Item	1996	1997	1998	1999	2000	2001
Personal income	30,894,933	31,907,547	32,514,628	33,608,141	35,579,023	37,058,606
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	7,300,700	7,349,818	7,745,100	7,592,949
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						
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 23, 2021) "SAINC5S Personal Income by Major Component and Earnings by SIC Industry" <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed June 23, 2022; and calculations by Hawaii State Department of Business, Economic Development & Tourism.



**Table 13.10-- PERSONAL INCOME BY MAJOR SOURCE, BY NAICS  
INDUSTRY: 2019 TO 2022**

[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. 2019 to 2021 revised from previous *Data Book*]

Item	2019	2020	2021	2022
Personal income	79,699,710	83,109,524	87,857,663	88,103,649
Earnings by place of work	57,266,561	53,939,388	57,921,085	61,631,259
Less: Contrib. for gov't social ins. 1/	6,539,137	6,237,416	6,623,962	7,149,855
Employee and self-employed	3,462,743	3,295,044	3,494,112	3,752,662
Employer	3,076,394	2,942,372	3,129,850	3,397,193
Net earnings by place of residence	50,727,424	47,701,972	51,297,123	54,481,404
Dividends, interest, and rent 2/	16,267,699	16,077,824	16,367,252	17,135,467
Personal current transfer receipts	12,704,587	19,329,728	20,193,288	16,486,778
Wages and salaries	39,274,486	36,709,625	39,663,860	42,949,779
Supp. to wages & sal.- emp'er contrib.	11,147,584	11,141,936	11,691,722	12,080,302
For employee pension & ins. funds 3/	8,071,190	8,199,564	8,561,872	8,683,109
For government social insurance	3,076,394	2,942,372	3,129,850	3,397,193
Proprietors' income 4/	6,844,491	6,087,827	6,565,503	6,601,178
Farm proprietors' income	-7,177	-12,188	-29,714	-36,152
Nonfarm proprietors' income	6,851,668	6,100,015	6,595,217	6,637,330
Farm earnings	199,618	205,730	204,924	220,317
Nonfarm earnings	57,066,943	53,733,658	57,716,161	61,410,942
Private earnings	41,060,476	37,163,414	40,639,902	44,342,442
Forestry, fishing, rel. activ., & other	82,656	84,850	(D)	(D)
Mining, quarrying, oil & gas extraction	28,502	29,903	29,898	32,804
Utilities	597,888	634,740	617,187	664,896
Construction	4,614,054	4,594,454	4,676,401	4,791,595
Manufacturing	1,013,857	947,207	(D)	(D)
Wholesale trade	1,478,873	1,422,728	1,496,632	1,631,113
Retail trade	3,324,068	3,054,362	3,323,729	3,617,353
Transportation and warehousing	2,665,064	2,223,653	2,397,440	2,876,781
Information	873,598	780,000	983,624	1,111,129
Finance and insurance	1,773,001	1,877,783	2,005,530	1,916,454
Real estate and rental and leasing	2,126,508	1,922,127	2,046,162	2,097,601
Prof., scientific, & tech. services	3,198,600	3,250,837	3,535,247	3,820,100
Mgt of companies & enterprises	1,070,946	969,434	1,008,892	1,110,508
Admin. & supp. & waste mgt. & remed.	2,266,417	2,135,171	2,170,618	2,506,616
Educational services	846,727	839,126	916,236	952,472
Health care and social assistance	5,895,803	6,259,180	6,502,605	6,611,628

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**Table 13.10-- PERSONAL INCOME BY MAJOR SOURCE, BY NAICS INDUSTRY: 2019 TO 2022 -- Con.**

Item	2019	2020	2021	2022
Arts, entertainment, and recreation	811,912	569,328	713,026	856,968
Accommodation & food services	6,062,083	3,440,278	4,983,792	6,253,567
Accommodation	3,163,892	1,611,326	2,244,809	(NA)
Food services and drinking places	2,898,191	1,828,952	2,738,983	(NA)
Other services (exc. gov't & gov't ent.)	2,329,919	2,128,253	2,208,217	2,397,809
Gov't and gov't enterprises	16,006,467	16,570,244	17,076,259	17,068,500
Federal	8,538,434	8,843,121	9,348,008	9,421,815
Civilian	4,021,420	4,177,414	4,332,559	4,419,794
Military	4,517,014	4,665,707	5,015,449	5,002,021
State and local	7,468,033	7,727,123	7,728,251	7,646,685
State	5,504,802	5,669,678	5,706,686	(NA)
Local	1,963,231	2,057,445	2,021,565	(NA)

D Not shown to avoid disclosure of confidential information; estimates are included in higher-level totals.

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 31, 2023)

<<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1>> accessed July 9, 2023; and calculations by Hawaii Department of Business, Economic Development & Tourism.

**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, FOR THE UNITED STATES AND BY STATE: 2013 TO 2021**

[U.S. Bureau of Economic Analysis revised 2010 to 2020, see source for earlier data. Real personal income 2017 to 2020 and real per capita personal income 2012 to 2019 revised from previous *Data Book*]

State	2013	2014	2015	2016	2017	2018	2019	2020	2021
Real personal income (millions of chained 2012 dollars) 1/									
United States	13,999,660	14,549,526	15,207,440	15,451,718	15,876,254	16,314,205	16,897,074	17,825,584	18,412,541
Alabama	190,336	193,661	203,544	203,119	209,349	219,469	223,627	239,485	246,874
Alaska	37,517	38,786	39,587	38,321	38,217	38,939	39,946	41,162	40,052
Arizona	243,833	255,373	268,726	274,245	289,284	300,700	316,996	341,319	362,114
Arkansas	118,709	124,219	128,393	130,467	134,180	137,987	138,378	145,094	148,569
California	1,694,852	1,779,398	1,889,769	1,966,518	1,976,276	2,010,957	2,108,670	2,250,420	2,332,658
Colorado	239,355	258,427	269,350	272,578	284,014	306,574	317,157	328,502	346,082
Connecticut	209,364	216,508	222,029	223,770	222,844	234,057	239,456	243,003	253,920
Delaware	41,092	41,848	44,484	45,113	46,479	47,744	49,097	52,230	53,406
Dist. of Col.	38,122	40,156	43,487	45,796	46,757	46,973	48,433	50,237	50,398
Florida	785,342	829,812	880,226	904,603	958,599	1,002,848	1,063,735	1,107,489	1,160,014
Georgia	390,998	411,246	436,653	447,344	465,347	481,891	504,913	533,033	545,636
<b>Hawaii</b>	<b>55,296</b>	<b>58,021</b>	<b>60,244</b>	<b>62,241</b>	<b>63,795</b>	<b>63,590</b>	<b>65,081</b>	<b>66,554</b>	<b>67,312</b>
Idaho	61,764	63,856	67,351	70,499	71,901	77,145	81,848	90,743	94,097
Illinois	598,684	621,834	653,428	649,493	651,755	670,528	687,638	712,987	728,883
Indiana	276,740	283,522	297,867	303,410	312,858	314,992	323,719	348,012	359,702
Iowa	145,254	147,481	156,301	155,386	158,139	157,170	159,421	169,973	176,780
Kansas	141,342	141,649	143,875	143,914	146,990	148,692	152,426	160,786	164,557
Kentucky	171,809	177,771	186,364	188,248	191,800	195,792	200,945	216,980	225,019
Louisiana	200,831	206,650	208,112	203,910	210,982	219,337	222,219	234,480	238,269
Maine	54,930	58,380	59,183	60,828	60,582	61,629	66,175	69,103	71,622
Maryland	284,549	291,425	304,566	315,508	319,906	323,451	332,934	343,877	351,519
Massachusetts	368,116	375,209	398,072	397,806	408,731	419,097	436,144	455,315	475,687
Michigan	408,993	418,732	449,114	458,546	468,965	468,570	473,797	513,048	522,601

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**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, FOR THE UNITED STATES AND BY STATE: 2013 TO 2021 -- Con.**

State	2013	2014	2015	2016	2017	2018	2019	2020	2021
Minnesota	262,148	269,626	285,582	289,275	297,105	296,401	306,558	327,803	333,418
Mississippi	112,625	113,045	115,541	116,002	118,694	121,168	123,432	132,800	135,580
Missouri	259,029	262,215	275,106	281,512	284,753	290,482	296,463	313,874	321,702
Montana	43,476	44,558	45,784	47,082	48,922	50,877	52,337	57,877	59,578
Nebraska	93,011	96,914	101,382	99,551	102,155	101,837	104,518	109,953	113,636
Nevada	108,795	115,167	125,180	130,456	132,698	143,943	148,906	160,354	171,884
New Hampshire	65,826	67,658	69,663	70,119	70,958	74,066	77,808	80,981	86,042
New Jersey	447,072	460,439	478,605	487,675	495,477	498,849	519,259	541,200	567,509
New Mexico	76,124	79,539	82,002	83,256	81,867	87,512	90,283	97,530	102,712
New York	958,855	989,795	1,024,650	1,046,174	1,092,841	1,107,483	1,133,230	1,182,584	1,207,419
North Carolina	394,675	411,076	433,712	441,340	460,384	474,749	501,343	535,676	548,117
North Dakota	42,367	44,594	43,116	41,744	42,964	43,346	43,298	46,389	47,613
Ohio	507,550	521,061	545,499	549,630	562,914	565,879	576,409	618,686	628,660
Oklahoma	181,077	189,721	184,799	173,959	181,160	187,869	195,244	201,107	206,387
Oregon	154,612	164,332	174,142	182,638	185,312	187,108	194,953	211,001	220,212
Pennsylvania	599,373	619,150	636,541	650,345	647,288	673,436	687,678	727,607	750,119
Rhode Island	47,494	49,590	50,500	50,846	51,014	52,025	54,394	58,170	59,937
South Carolina	180,702	190,225	201,425	206,062	216,054	222,456	235,951	249,793	252,155
South Dakota	42,034	43,294	45,656	45,636	47,069	46,229	48,422	53,347	55,542
Tennessee	271,149	279,173	293,408	296,180	307,072	329,541	338,398	361,140	376,695
Texas	1,188,512	1,256,278	1,277,568	1,267,264	1,346,399	1,402,410	1,443,764	1,484,887	1,556,765
Utah	106,428	112,154	120,717	127,334	129,352	140,263	147,396	162,511	171,487
Vermont	28,647	29,896	30,168	30,537	30,585	30,977	32,615	33,687	35,127
Virginia	382,951	393,883	410,329	420,119	434,725	438,592	462,258	479,242	486,026
Washington	322,943	338,857	358,067	368,815	375,135	392,478	413,716	441,321	454,854
West Virginia	72,005	73,012	73,846	72,981	75,920	77,526	79,811	83,651	82,629
Wisconsin	260,445	266,920	280,214	282,116	287,595	293,687	300,040	321,085	326,703
Wyoming	31,911	33,389	33,514	31,411	32,095	34,887	35,841	37,498	38,264

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**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, FOR THE UNITED STATES AND BY STATE: 2013 TO 2021 -- Con.**

State	2013	2014	2015	2016	2017	2018	2019	2020	2021
Real per capita personal income (chained (2012) dollars) 1/									
United States	44,200	45,571	47,253	47,636	48,607	49,656	51,167	53,772	55,477
Alabama	39,128	39,629	41,471	41,196	42,274	44,102	44,695	47,661	48,984
Alaska	50,832	52,581	53,559	51,547	51,509	52,783	54,361	56,198	54,666
Arizona	37,151	38,470	40,023	40,321	42,048	43,142	44,834	47,551	49,766
Arkansas	40,177	41,949	43,225	43,772	44,864	46,038	46,061	48,168	49,099
California	44,262	46,055	48,498	50,137	50,129	50,864	53,319	56,973	59,449
Colorado	45,474	48,367	49,493	49,298	50,715	54,000	55,293	56,792	59,545
Connecticut	57,990	59,897	61,470	62,026	61,770	64,812	66,384	67,496	70,424
Delaware	44,395	44,750	47,093	47,336	48,341	49,166	50,033	52,657	53,226
Dist. of Col.	59,126	61,348	65,332	67,963	68,665	68,510	70,457	72,798	75,216
Florida	40,258	41,919	43,693	44,045	45,928	47,453	49,813	51,344	53,258
Georgia	39,176	40,808	42,845	43,355	44,623	45,753	47,441	49,696	50,524
<b>Hawaii</b>	<b>38,854</b>	<b>40,455</b>	<b>41,649</b>	<b>42,718</b>	<b>43,744</b>	<b>43,549</b>	<b>44,666</b>	<b>45,839</b>	<b>46,694</b>
Idaho	38,172	38,933	40,514	41,565	41,465	43,618	45,269	49,109	49,501
Illinois	46,191	47,943	50,400	50,167	50,428	52,025	53,512	55,766	57,522
Indiana	42,051	42,894	44,937	45,568	46,794	46,834	47,875	51,286	52,851
Iowa	46,822	47,245	49,839	49,338	50,002	49,558	50,072	53,305	55,364
Kansas	48,711	48,651	49,227	49,164	50,212	50,721	51,956	54,766	56,075
Kentucky	38,908	40,141	41,940	42,231	42,853	43,633	44,673	48,175	49,900
Louisiana	43,393	44,452	44,558	43,518	45,095	46,967	47,640	50,413	51,528
Maine	41,220	43,681	44,310	45,388	45,047	45,633	48,748	50,726	52,193
Maryland	47,724	48,498	50,347	51,896	52,333	52,690	54,016	55,709	57,017
Massachusetts	54,483	55,020	57,983	57,582	58,739	59,922	62,159	64,839	68,104
Michigan	41,116	41,980	44,969	45,777	46,664	46,528	47,012	50,960	51,996
Minnesota	48,274	49,262	51,832	52,063	53,003	52,459	53,908	57,437	58,419
Mississippi	37,710	37,838	38,708	38,871	39,785	40,734	41,574	44,912	45,960
Missouri	42,857	43,267	45,270	46,200	46,576	47,398	48,257	50,999	52,155
Montana	42,794	43,471	44,261	45,026	46,241	47,703	48,664	53,284	53,952

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**Table 13.11-- PERSONAL INCOME, TOTAL AND PER CAPITA, IN CONSTANT DOLLARS, FOR THE UNITED STATES AND BY STATE: 2013 TO 2021 -- Con.**

State	2013	2014	2015	2016	2017	2018	2019	2020	2021
Nebraska	49,649	51,280	53,234	51,813	52,811	52,348	53,464	56,057	57,869
Nevada	39,276	40,988	43,815	44,898	44,897	47,796	48,520	51,493	54,671
New Hampshire	49,454	50,521	51,846	51,900	52,214	54,265	56,718	58,774	61,946
New Jersey	49,759	50,968	52,730	53,474	54,004	54,112	56,083	58,321	61,239
New Mexico	36,310	37,966	39,123	39,653	38,965	41,611	42,785	46,058	48,544
New York	48,203	49,485	51,006	51,917	54,127	54,764	56,039	58,675	60,870
North Carolina	40,259	41,606	43,519	43,801	45,245	46,201	48,343	51,226	51,948
North Dakota	58,246	59,907	56,531	54,593	56,040	56,190	55,759	59,552	61,441
Ohio	43,710	44,732	46,727	46,969	47,958	48,107	48,896	52,473	53,367
Oklahoma	47,056	49,003	47,372	44,413	46,209	47,822	49,507	50,759	51,770
Oregon	39,401	41,442	43,335	44,620	44,684	44,726	46,241	49,746	51,862
Pennsylvania	46,656	48,069	49,349	50,343	50,002	51,879	52,933	56,014	57,861
Rhode Island	44,463	46,215	46,874	46,982	47,021	47,653	49,696	53,064	54,707
South Carolina	38,120	39,694	41,508	41,961	43,509	44,305	46,469	48,686	48,578
South Dakota	49,969	51,076	53,578	53,025	54,092	52,815	54,869	60,137	62,032
Tennessee	41,666	42,565	44,369	44,389	45,563	48,415	49,312	52,187	54,005
Texas	44,954	46,688	46,628	45,536	47,758	49,189	50,030	50,822	52,722
Utah	36,597	38,010	40,251	41,571	41,382	44,096	45,595	49,521	51,375
Vermont	45,269	47,167	47,443	47,988	47,860	48,351	50,815	52,432	54,412
Virginia	46,308	47,265	48,908	49,750	51,129	51,315	53,768	55,519	56,238
Washington	46,306	47,942	49,867	50,413	50,375	51,994	54,161	57,175	58,777
West Virginia	38,782	39,402	39,996	39,750	41,651	42,818	44,329	46,738	46,344
Wisconsin	45,238	46,193	48,362	48,537	49,276	50,128	51,026	54,492	55,412
Wyoming	54,931	57,474	57,422	53,973	55,697	60,694	62,295	64,958	66,108

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 based on the 2010 Census. BEA will incorporate midyear population estimates based on the 2020 census results when they become available.

Source: U.S. Bureau of Economic Analysis, Real Personal Income and Real Personal Consumption Expenditures (PCE) by State (December 15, 2022) <<https://apps.bea.gov/itable/?ReqID=70&step=1>> accessed December 15, 2022. See also "Real Personal Consumption Expenditures and Personal Income by State, 2021" (December 15, 2022) <<https://www.bea.gov/sites/default/files/2022-12/rpp1222.pdf>> accessed December 15, 2022.

**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND POPULATION BY COUNTY: 1998 TO 2021**

Year	State total	Honolulu	Hawaii	Kauai	Maui 1/
Total (\$1,000)					
1998	32,514,628	25,421,927	2,916,774	1,309,267	2,866,660
1999	33,608,141	26,099,952	3,060,181	1,362,096	3,085,912
2000	35,579,023	27,515,821	3,303,662	1,461,302	3,298,238
2001	37,058,606	28,541,660	3,481,263	1,525,975	3,509,708
2002	38,747,097	29,765,716	3,691,133	1,583,392	3,706,856
2003	40,621,407	31,070,400	3,912,723	1,689,550	3,948,734
2004	43,654,661	33,151,860	4,338,376	1,867,778	4,296,647
2005	47,022,853	35,540,543	4,813,559	2,006,057	4,662,694
2006	50,399,032	38,035,708	5,198,773	2,141,585	5,022,966
2007	53,272,076	40,054,918	5,567,223	2,295,185	5,354,750
2008	55,911,098	41,991,801	5,912,161	2,403,273	5,603,863
2009	55,325,988	42,110,349	5,623,017	2,307,004	5,285,618
2010	56,751,099	43,057,340	5,825,856	2,361,601	5,506,302
2011	59,288,116	45,039,612	6,026,177	2,447,357	5,774,970
2012	61,557,042	46,559,802	6,237,995	2,549,930	6,209,315
2013	62,521,242	47,265,815	6,335,657	2,664,488	6,255,282
2014	66,036,681	2/ 49,771,299	2/ 6,765,712	2/ 2,846,364	2/ 6,653,306
2015	69,109,054	2/ 51,812,228	2/ 7,259,506	2/ 3,006,209	2/ 7,031,111
2016	71,571,666	2/ 53,542,985	2/ 7,556,314	2/ 3,135,037	2/ 7,337,330
2017 2/	74,542,815	55,508,669	8,015,055	3,306,715	7,712,376
2018 2/	76,168,302	56,408,435	8,265,485	3,497,176	7,997,206
2019 2/	79,699,710	58,640,919	8,713,255	3,721,267	8,624,269
2020 2/	83,109,524	60,909,073	9,448,614	3,924,186	8,827,651
2021	87,857,663	63,968,618	10,152,965	4,120,992	9,615,088
Per capita (dollars) 3/					
1998	26,756	28,664	20,001	22,635	22,998
1999	27,768	29,696	20,822	23,378	24,460
2000	29,319	31,388	22,136	24,951	25,552
2001	30,229	32,332	22,950	25,831	26,503
2002	31,257	33,427	23,879	26,398	27,543
2003	32,467	34,742	24,695	27,786	28,698
2004	34,277	36,511	26,640	30,079	30,554
2005	36,375	38,708	28,612	31,912	32,504
2006	38,480	41,033	29,958	33,744	34,457
2007	40,490	43,287	31,324	35,590	36,152

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**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND POPULATION BY COUNTY: 1998 TO 2021 -- Con.**

Year	State total	Honolulu	Hawaii	Kauai	Maui 1/
Per capita (dollars) 3/ (con.)					
2008	41,969	44,975	32,573	36,634	37,008
2009	41,082	44,647	30,622	34,682	34,458
2010 2/	41,574	44,969	31,440	35,123	35,515
2011 2/	42,809	46,270	32,259	35,966	36,858
2012 2/	43,812	47,075	33,065	36,977	39,215
2013 2/	43,931	47,161	33,217	38,030	39,058
2014 2/	46,044	49,343	35,095	40,168	41,098
2015 2/	47,777	50,923	37,261	41,908	43,282
2016 2/	49,122	52,296	38,348	43,305	44,813
2017 2/	51,114	54,279	40,354	45,421	46,943
2018 2/	52,164	55,214	41,278	47,643	48,496
2019 2/	54,700	57,560	43,585	50,670	52,301
2020 2/	57,241	60,114	47,068	53,608	53,586
2021	60,947	63,912	50,038	56,103	58,520
Population 4/					
1998	1,215,233	886,909	145,833	57,843	124,648
1999	1,210,300	878,906	146,970	58,264	126,160
2000	1,213,519	876,629	149,244	58,568	129,078
2001	1,225,948	882,755	151,690	59,075	132,428
2002	1,239,613	890,473	154,576	59,981	134,583
2003	1,251,154	894,311	158,442	60,805	137,596
2004	1,273,569	907,997	162,852	62,095	140,625
2005	1,292,729	918,181	168,237	62,863	143,448
2006	1,309,731	926,954	173,536	63,465	145,776
2007	1,315,675	925,335	177,733	64,490	148,117
2008	1,332,213	933,680	181,506	65,603	151,424
2009	1,346,717	943,177	183,629	66,518	153,393
2010 2/	1,365,064	957,482	185,303	67,238	155,041
2011 2/	1,384,943	973,408	186,807	68,047	156,681
2012 2/	1,405,024	989,064	188,661	68,959	158,340
2013 2/	1,423,171	1,002,219	190,737	70,062	160,153
2014 2/	1,434,212	1,008,682	192,782	70,861	161,887
2015 2/	1,446,479	1,017,472	194,827	71,733	162,447
2016 2/	1,457,008	1,023,837	197,045	72,395	163,731
2017 2/	1,458,361	1,022,650	198,619	72,801	164,291
2018 2/	1,460,183	1,021,634	200,241	73,404	164,904
2019 2/	1,457,034	1,018,784	199,912	73,441	164,897
2020 2/	1,451,911	1,013,227	200,746	73,201	164,737
2021	1,441,553	1,000,890	202,906	73,454	164,303

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**Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND  
POPULATION BY COUNTY: 1998 TO 2021 -- Con.**

1/ Includes Kalawao County.

2/ Revised from previous *Data Book*.

3/ Per capita personal income was computed using Census Bureau midyear population estimates.

4/ Census Bureau midyear population estimates. Estimates for 2010-2020 reflect county population estimates available as of March 2021. These estimates are based on the 2010 census. BEA will incorporate Census Bureau midyear population estimates based on the 2020 census results when they become available.

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&acrdrn=7#reqid=70&step=1&isuri=1>> accessed November 16, 2022. See also "Personal Income by County and Metropolitan Area, 2021" (November 16, 2022) <<https://www.bea.gov/sites/default/files/2022-11/lapi1122.pdf>> accessed November 16, 2022.

**Table 13.13-- PERFORMANCE RANKINGS FOR METROPOLITAN STATISTICAL AREAS: 2022 AND 2023**

Category and year	Period	Rank 1/			
		Large cities		Small cities	
		Urban Honolulu	Provo, Utah	Kahului, Maui	Logan, Utah-Idaho
2022					
Overall	2022	191	1	188	1
Job growth (5-year)	2015 to 2020	200	1	201	8
Job growth (1-year)	2019 to 2020	200	2	201	5
Wage growth (5-year)	2015 to 2020	189	1	160	5
Wage growth (1-year)	2019 to 2020	199	9	199	2
Short-term job growth	Nov.: 2020 to 2021	2	32	1	21
High tech GDP growth (5-year)	2015 to 2020	142	8	60	29
High tech GDP growth (1-year)	2019 to 2020	152	25	176	32
High-tech GDP concentration 2/	2020	162	13	171	16
Number of high-tech GDP industries	2020	134	18	125	2
Households with broadband access	2020	187	44	185	15
Housing Affordability Index	2020	195	162	200	178
2023					
Overall	2023	152	1	101	1
Job growth (5-year)	2016 to 2021	200	1	197	3
Job growth (1-year)	2020 to 2021	114	2	1	9
Wage growth (5-year)	2016 to 2021	194	1	199	7
Wage growth (1-year)	2020 to 2021	112	9	45	27
Short-term job growth	Nov.: 2021 to 2022	43	34	7	58
High tech GDP growth (5-year)	2016 to 2021	103	12	16	31
High tech GDP growth (1-year)	2020 to 2021	21	48	3	77
High-tech GDP concentration 2/	2021	155	14	164	8
Number of high-tech GDP industries	2021	106	16	118	34
Households with broadband access	2021	51	18	153	10
Housing Affordability Index (4-year)	2017 to 2021	191	71	201	60
Housing Affordability Index (1-year)	2021	193	46	200	24

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 2022: Charting Economic Resilience and Opportunity* (March 28, 2022) <<https://milkeninstitute.org/reports/best-performing-cities-2022>> accessed May 11, 2022; and *Best-Performing Cities 2023: Thriving in a Changing Economic Landscape* (May 15, 2023) <<https://milkeninstitute.org/reports/best-performing-cities-2023>> accessed May 17, 2023.

**Table 13.14-- THE NEW ECONOMY INDEX, RANK AND SCORE FOR THE 50 STATES: 2008 TO 2020**

[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 25-29 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					
	2008	2010	2012	2014	2017	2020	2008	2010	2012	2014	2017	2020
Alabama	47	47	46	41	44	42	37.4	43.5	45.7	50.4	48.2	47.8
Alaska	32	31	28	32	42	43	50.8	52.1	58.7	56.8	49.4	46.9
Arizona	20	20	16	17	21	20	60.0	61.0	66.7	67.1	66.5	62.0
Arkansas	48	48	48	47	49	49	35.3	40.0	41.7	44.2	42.8	39.8
California	8	7	4	3	2	2	75.0	74.3	79.1	83.7	84.7	82.2
Colorado	10	9	7	6	7	8	70.4	72.8	76.8	81.4	78.3	72.4
Connecticut	6	5	9	8	10	9	76.1	76.6	76.0	77.6	76.4	71.5
Delaware	4	6	2	2	5	12	79.3	75.0	82.1	85.1	80.4	68.5
Florida	23	21	21	25	24	22	58.3	60.6	61.4	61.6	62.7	58.7
Georgia	21	19	18	21	18	16	60.0	62.6	64.8	64.3	66.8	64.4
<b>Hawaii</b>	<b>35</b>	<b>40</b>	<b>36</b>	<b>43</b>	<b>40</b>	<b>46</b>	<b>47.5</b>	<b>48.7</b>	<b>53.5</b>	<b>48.4</b>	<b>50.1</b>	<b>45.2</b>
Idaho	26	27	24	24	29	32	55.6	54.2	60.5	62.3	58.5	54.4
Illinois	16	15	20	16	16	13	62.6	65.1	64.3	67.1	69.2	68.1
Indiana	36	35	42	38	33	29	47.4	49.7	49.4	54.6	55.9	54.9
Iowa	42	38	38	37	37	35	44.5	49.5	52.9	54.8	54.8	52.3
Kansas	31	26	29	31	30	28	52.9	54.5	57.7	57.3	57.5	55.8
Kentucky	45	44	45	44	39	39	41.3	46.0	45.7	48.4	50.5	49.0
Louisiana	41	43	44	46	46	40	44.7	46.0	46.1	47.0	47.6	47.8
Maine	28	28	27	28	36	37	53.9	54.0	58.9	58.3	55.2	50.0
Maryland	3	3	5	5	6	4	80.0	76.9	79.1	81.5	78.9	75.8
Massachusetts	1	1	1	1	1	1	97.0	92.6	92.4	94.7	96.6	90.0
Michigan	17	17	19	18	15	17	62.2	63.4	64.5	67.0	70.6	63.5
Minnesota	14	13	13	13	12	11	66.0	67.5	69.7	71.7	72.6	69.4
Mississippi	50	50	50	50	50	50	29.9	35.3	37.4	38.0	37.9	37.1
Missouri	37	33	33	33	28	25	46.9	50.8	54.9	56.8	59.0	58.0
Montana	40	37	37	39	43	44	46.0	49.7	53.1	54.4	49.1	45.7

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**Table 13.14-- THE NEW ECONOMY INDEX, RANK AND SCORE FOR THE 50 STATES: 2008 TO 2020 -- Con.**

State	Rank 1/						Score					
	2008	2010	2012	2014	2017	2020	2008	2010	2012	2014	2017	2020
Nebraska	27	34	35	35	27	31	55.4	50.5	53.7	56.0	59.9	54.7
Nevada	25	30	26	27	31	25	56.7	52.5	59.0	58.7	57.4	57.0
New Hampshire	13	11	12	11	13	18	67.7	70.6	71.9	74.6	71.4	62.9
New Jersey	5	4	10	10	8	10	77.0	76.9	75.6	75.4	77.6	69.7
New Mexico	29	32	30	26	34	36	53.2	51.7	56.8	58.7	55.8	50.4
New York	9	10	11	12	11	7	74.4	71.3	72.5	73.0	74.5	72.8
North Carolina	24	24	25	23	22	19	57.4	57.1	60.2	63.1	65.6	62.1
North Dakota	39	36	34	36	38	38	46.5	49.7	54.1	55.8	51.8	49.4
Ohio	30	25	32	29	25	27	53.0	55.2	55.5	58.3	61.3	55.9
Oklahoma	43	42	47	48	45	48	43.2	47.2	45.5	44.1	47.9	44.0
Oregon	15	14	14	15	13	15	63.8	67.0	69.3	69.3	71.4	67.5
Pennsylvania	22	22	22	22	23	21	59.2	60.2	60.6	63.2	64.4	61.6
Rhode Island	11	16	23	19	20	23	67.7	63.6	60.5	66.8	66.7	58.2
South Carolina	34	39	40	34	35	34	48.7	49.3	49.8	56.6	55.3	53.2
South Dakota	44	45	43	42	41	41	42.9	45.1	48.0	49.0	49.5	47.8
Tennessee	38	41	39	40	32	30	46.7	48.5	52.2	51.3	56.9	54.8
Texas	18	18	17	20	17	14	62.1	63.0	65.7	65.2	67.5	67.9
Utah	12	12	8	9	9	3	67.7	69.1	76.4	77.0	77.3	77.7
Vermont	19	23	15	14	18	24	60.5	59.5	67.2	69.5	66.8	58.0
Virginia	7	8	6	7	4	6	75.6	73.7	77.9	80.9	81.7	74.9
Washington	2	2	3	4	3	5	81.9	77.5	79.5	82.5	84.5	75.2
West Virginia	49	49	49	49	48	47	31.9	38.1	37.9	39.8	44.1	44.7
Wisconsin	33	29	31	30	26	33	50.6	53.1	55.8	57.8	60.4	53.8
Wyoming	46	46	41	45	47	45	40.1	45.0	49.5	48.1	47.1	45.4

1/ Rank of 1 indicates most favorable.

Source: The Information Technology & Innovation Foundation <<http://www.itif.org/>> *The State New Economy Index: 2008*; <[http://www.itif.org/files/2008\\_State\\_New\\_Economy\\_Index.pdf](http://www.itif.org/files/2008_State_New_Economy_Index.pdf)>; Ibid. 2010 <<http://www.itif.org/files/2010-state-new-economy-index.pdf>> and Ibid. 2012 <<http://www2.itif.org/2012-state-new-economy-index.pdf>> accessed January 11, 2013; and Ibid 2014 <<http://www.itif.org/publications/2014-state-new-economy-index>> accessed June 19, 2014; Ibid. 2017 <<https://itif.org/publications/2017/11/06/2017-state-new-economy-index>> accessed January 17, 2018; and Ibid. 2020 <<https://itif.org/publications/2020/10/19/2020-state-new-economy-index>> accessed on April 22, 2022.

**Table 13.15-- THE NEW ECONOMY INDEX, RANK: 2012, 2014, 2017, AND 2020**

[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 25-26 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	2012	2014	2017	2020
Overall	36	43	40	46
Knowledge jobs	34	(NA)	(NA)	(NA)
Information technology jobs	44	44	47	46
Managerial, professional, and technical jobs	33	31	41	45
Workforce education	14	15	16	17
Immigration of knowledge workers	28	23	25	15
Internal migration of U.S. knowledge workers	5	10	17	32
Manufacturing value added	46	50	50	28
High-wage traded services	39	42	39	39
Globalization	30	(NA)	(NA)	(NA)
Export focus of manufacturing and services	40	50	41	50
Foreign direct investment	19	23	6	12
High-tech exports	(NA)	(NA)	49	49
Economic dynamism	48	(NA)	(NA)	(NA)
Job churning (Business churning in 2017)	33	31	33	29
Fast-growing firms	43	32	44	48
Initial public offerings	32	36	14	19
Entrepreneurial activity	46	26	(NA)	(NA)
Inventor patents	39	40	36	43
Digital economy	32	(NA)	(NA)	(NA)
Online population	34	(NA)	(NA)	(NA)
E-government	25	24	21	14
Online agriculture	26	26	28	31
Broadband telecommunications	26	40	36	30
Health IT	27	49	50	50
Innovation capacity	23	(NA)	(NA)	(NA)
High-tech jobs	40	41	48	44
Scientists and engineers	39	41	46	43
Patents	3	34	15	48
Industry investment in R&D	27	34	25	49
Non-Industry investment in R&D	17	19	14	28
Movement toward a green economy	16	37	3	41
Venture capital	45	47	43	40

NA Not available.

Source: The Information Technology & Innovation Foundation, *The State New Economy Index 2012*

"Indicator Scores by State" <<http://www.itif.org/files/2012-state-new-economy-index.pdf>> accessed January 11, 2013; Ibid 2014 <<http://www2.itif.org/2014-state-new-economy-index.pdf>> accessed June 19, 2014; Ibid. 2017 <<http://www2.itif.org/2017-state-new-economy-index.pdf>> accessed January 17, 2018; and Ibid. 2020 <<http://www2.itif.org/2020-state-new-economy-index.pdf>> accessed on April 22, 2022.

**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]

<b>Year 1/</b>	<b>Total personal income</b>	<b>Labor income</b>	<b>Dividends, interest and rent</b>	<b>Transfer income</b>	<b>Contrib. for gov't insurance</b>
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, BY SEX: 1949 TO 2021**

[In dollars. Based on censuses made in April of following year for 1949 to 1999 and American Community Survey beginning with 2009. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-ac-s-1-year-data.html>>]

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
2019	83,102	96,462	51,343	52,033	46,524
2021	84,857	100,890	49,452	61,812	49,816

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**Table 13.17-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES, UNRELATED INDIVIDUALS AND PERSONS, BY SEX: 1949 TO 2021 -- Con.**

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 <<https://www.census.gov/acs/www/data/data-tables-and-tools/>>.

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 Data Profile Hawaii "DP03 Selected Economic Characteristics" (annual) <<https://data.census.gov/cedsci/>> accessed January 10, 2023.

**Table 13.18-- MEDIAN INCOME OF FOUR-PERSON FAMILIES IN HAWAII AND THE UNITED STATES: 2005 TO 2021**

[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. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-acs-1-year-data.html>>]

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
2019	118,223	99,048	8	119.4
2021	116,313	105,901	14	109.8

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 10, 2023 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 2021 DOLLARS: 1984 TO 2021**

[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 2021 CPI-U-RS adjusted dollars. The CPI-U-RS is a price index of inflation that incorporates most of the improvements in methodology made to the current CPI-U since 1978 into a single, uniform series. The Census Bureau recommends using the ACS one-year estimates to examine the most recent state trends, and the CPS for examining historical trends (more than a few years) by state]

Year	Median income in current dollars					
	Hawaii			United States		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
1984	28,877	(NA)	1,216	22,415	(NA)	102
1985	28,961	0.3	1,446	23,618	5.4	128
1986	29,003	0.1	1,206	24,897	5.4	129
1987	35,022	20.8	1,074	26,061	4.7	127
1988	33,024	-5.7	1,482	27,225	4.5	139
1989	35,035	6.1	1,328	28,906	6.2	159
1990	38,921	11.1	1,414	29,943	3.6	153
1991	37,246	-4.3	1,630	30,126	0.6	144
1992	42,113	13.1	1,435	30,636	1.7	145
1993	42,662	1.3	1,759	31,241	2.0	146
1994	42,255	-1.0	2,423	32,264	3.3	147
1995	42,851	1.4	1,292	34,076	5.6	197
1996	41,772	-2.5	1,893	35,492	4.2	179
1997	40,934	-2.0	1,399	37,005	4.3	171
1998	40,827	-0.3	2,369	38,885	5.1	230
1999	44,504	9.0	1,832	40,696	4.7	190
2000	51,546	15.8	1,193	41,990	3.2	132
2001	47,439	-8.0	1,256	42,228	0.6	129
2002	47,303	-0.3	1,371	42,409	0.4	139
2003	51,834	9.6	1,332	43,318	2.1	188
2004	56,242	8.5	1,690	44,334	2.3	196
2005	59,586	5.9	1,212	46,326	4.5	155
2006	60,470	1.5	1,571	48,201	4.0	207
2007	64,022	5.9	2,125	50,233	4.2	140
2008	61,521	-3.9	1,481	50,303	0.1	137
2009	55,649	-9.5	2,023	49,777	-1.0	213
2010	59,539	7.0	2,731	49,276	-1.0	325
2011	59,047	-0.8	2,531	50,054	1.6	251

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**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII AND THE UNITED STATES, IN CURRENT AND CONSTANT 2021 DOLLARS: 1984 TO 2021 -- Con.**

Year	Median income in current dollars -- Con.					
	Hawaii			United States		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
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
2019	88,006	9.9	3,565	68,703	8.7	550
2020	80,825	-8.2	2,427	68,010	-1.0	535
2021	82,199	1.7	3,790	70,784	4.1	368
	Median income in constant (2021) dollars					
1984	71,922	(NA)	3,029	55,828	(NA)	254
1985	69,737	-3.0	3,482	56,871	1.9	308
1986	68,637	-1.6	2,854	58,920	3.6	305
1987	80,125	16.7	2,457	59,624	1.2	291
1988	72,920	-9.0	3,272	60,115	0.8	307
1989	74,120	1.6	2,810	61,153	1.7	336
1990	78,471	5.9	2,851	60,370	-1.3	308
1991	72,458	-7.7	3,171	58,607	-2.9	280
1992	79,939	10.3	2,724	58,153	-0.8	275
1993	78,989	-1.2	3,257	57,843	-0.5	270
1994	76,635	-3.0	4,394	58,515	1.2	267
1995	75,888	-1.0	2,288	60,348	3.1	349
1996	72,058	-5.0	3,265	61,225	1.5	309
1997	69,118	-4.1	2,362	62,484	2.1	289
1998	68,017	-1.6	3,947	64,781	3.7	383
1999	72,596	6.7	2,988	66,385	2.5	310
2000	81,324	12.0	1,882	66,248	-0.2	208
2001	72,773	-10.5	1,927	64,779	-2.2	198
2002	71,438	-1.8	2,071	64,047	-1.1	210
2003	76,542	7.1	1,967	63,967	-0.1	278
2004	80,867	5.7	2,430	63,745	-0.3	282

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**Table 13.19 -- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII AND THE UNITED STATES, IN CURRENT AND CONSTANT 2021 DOLLARS: 1984 TO 2021 -- Con.**

Year	Median income in constant (2021) dollars -- Con.					
	Hawaii			United States		
	Amount (dollars)	Percent change	Standard error	Amount (dollars)	Percent change	Standard error
2005	82,868	2.5	1,686	64,427	1.1	216
2006	81,457	-1.7	2,116	64,930	0.8	279
2007	83,863	3.0	2,784	65,801	1.3	183
2008	77,606	-7.5	1,868	63,455	-3.6	173
2009	70,444	-9.2	2,561	63,011	-0.7	270
2010	74,145	5.3	3,401	61,364	-2.6	405
2011	71,285	-3.9	3,056	60,428	-1.5	303
2012	66,515	-6.7	2,666	60,313	-0.2	247
2013 1/	74,831	12.5	4,564	62,425	3.5	762
2014	81,591	9.0	3,066	61,468	-1.5	449
2015	73,778	-9.6	3,248	64,631	5.1	367
2016	81,440	10.4	2,834	66,657	3.1	492
2017 2/	81,346	-0.1	2,600	67,571	1.4	356
2018	86,433	6.3	3,757	68,168	0.9	453
2019	93,265	7.9	3,778	72,808	6.8	583
2020	84,600	-9.3	2,540	71,186	-2.2	560
2021	82,199	-2.8	3,790	70,784	-0.6	368

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 2021 <<https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-income-households.html>> accessed March 16, 2023; 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 2021 DOLLARS: 1984 TO 2021**

[Based on small samples and subject to considerable sampling variation. Surveys conducted in March or April of following year. Median income in 2021 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	Hawaii			United States		
	Median income (dollars)	Percent change	Standard error	Median income (dollars)	Percent change	Standard error
1984-1985	70,830	(NA)	2,678	56,349	(NA)	231
1985-1986	69,187	-2.3	2,609	57,896	2.7	252
1986-1987	74,381	7.5	2,185	59,272	2.4	245
1987-1988	76,522	2.9	2,365	59,869	1.0	245
1988-1989	73,520	-3.9	2,502	60,634	1.3	264
1989-1990	76,295	3.8	2,325	60,762	0.2	265
1990-1991	75,465	-1.1	2,475	59,489	-2.1	242
1991-1992	76,198	1.0	2,425	58,380	-1.9	228
1992-1993	79,464	4.3	2,462	57,998	-0.7	224
1993-1994	77,812	-2.1	3,160	58,179	0.3	221
1994-1995	76,262	-2.0	2,810	59,431	2.2	254
1995-1996	73,973	-3.0	2,298	60,786	2.3	270
1996-1997	70,588	-4.6	2,326	61,854	1.8	246
1997-1998	68,567	-2.9	2,631	63,633	2.9	277
1998-1999	70,307	2.5	2,862	65,583	3.1	285
1999-2000	76,960	9.5	2,026	66,316	1.1	215
2000-2001	77,048	0.1	1,565	65,513	-1.2	167
2001-2002	72,105	-6.4	1,643	64,413	-1.7	168
2002-2003	73,990	2.6	1,659	64,007	-0.6	201
2003-2004	78,705	6.4	1,811	63,856	-0.2	230
2004-2005	81,867	4.0	1,704	64,086	0.4	205
2005-2006	82,162	0.4	1,567	64,678	0.9	204
2006-2007	82,660	0.6	2,022	65,365	1.1	192
2007-2008	80,735	-2.3	1,929	64,628	-1.1	146
2008-2009	74,025	-8.3	1,830	63,233	-2.2	184
2009-2010	72,393	-2.2	2,825	62,098	-1.8	358
2010-2011	72,715	0.4	2,608	60,896	-1.9	307
2011-2012	68,900	-5.2	2,201	60,371	-0.9	227
2012-2013 1/	69,027	0.2	1,880	60,411	0.1	213
2014-2015 1/	77,684	12.5	2,429	63,049	4.4	289

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**Table 13.20- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII AND THE UNITED STATES, 2-YEAR MOVING AVERAGES IN CONSTANT 2021 DOLLARS: 1984 TO 2021 -- Con.**

Year	Hawaii			United States		
	Median income (dollars)	Percent change	Standard error	Median income (dollars)	Percent change	Standard error
2015-2016	77,609	-0.1	2,211	65,644	4.1	311
2016-2017	81,380	4.9	2,052	67,245	2.4	340
2017-2018	83,890	3.1	2,448	67,870	0.9	344
2018-2019	89,849	7.1	2,981	70,488	3.9	417
2019-2020	89,038	-0.9	2,386	72,248	2.5	477
2020-2021	83,399	-6.3	2,450	70,985	-1.7	378

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 2021 Two-Year Moving Averages" <<https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-income-households.html>> accessed March 16, 2023; 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 2021 DOLLARS: 1984 TO 2021**

[Based on small samples and subject to considerable sampling variation. From surveys conducted in March or April of following year. Median income in 2021 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)	Rank 1/	Standard error	United States (dollars)	Rank btw. 1/	Standard error
1984-1986	70,099	5	2,206	57,206	22 & 23	204
1985-1987	72,833	5	2,059	58,472	23 & 24	211
1986-1988	73,894	6	1,984	59,553	24 & 25	210
1987-1989	75,721	5	2,019	60,297	22 & 23	218
1988-1990	75,170	6	2,076	60,546	21 & 22	223
1989-1991	75,016	6	2,055	60,043	20 & 21	216
1990-1992	76,956	3	2,054	59,043	23 & 24	201
1991-1993	77,129	3	2,117	58,201	23 & 24	192
1992-1994	78,521	2	2,440	58,170	23 & 24	189
1993-1995	77,171	2	2,409	58,902	22 & 23	206
1994-1996	74,860	3	2,297	60,029	22 & 23	218
1995-1997	72,355	5	1,889	61,352	22 & 23	221
1996-1998	69,731	14	2,205	62,830	22 & 23	227
1997-1999	69,910	16	2,233	64,550	22 & 23	233
1998-2000	73,979	10	2,115	65,805	21 & 22	215
1999-2001	75,564	9	1,587	65,804	20 & 21	168
2000-2002	75,178	10	1,369	65,024	24 & 25	143
2001-2003	73,584	11	1,395	64,264	24 & 25	160
2002-2004	76,282	8	1,500	63,920	20 & 21	181
2003-2005	80,092	4	1,446	64,046	21 & 22	183
2004-2006	81,731	3	1,437	64,367	22 & 23	179
2005-2007	82,729	4	1,552	65,053	20 & 21	162
2006-2008	80,976	5	1,615	64,729	22 & 23	149
2007-2009	77,305	7	1,660	64,089	21 & 22	146
2008-2010	73,637	10	1,649	62,680	26 & 27	167
2009-2011	72,024	9	2,416	61,541	26 & 27	299
2010-2012	70,649	11	2,151	60,702	24 & 25	249

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**Table 13.21-- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR HAWAII AND THE UNITED STATES, 3-YEAR MOVING AVERAGES IN CONSTANT 2021 DOLLARS: 1984 TO 2021 -- Con.**

Year	Median income, 3-year moving averages					
	Hawaii (dollars)	Rank 1/	Standard error	United States (dollars)	Rank btw. 1/	Standard error
2011-2013 2/	69,780	12	1,684	60,416	26 & 27	199
2013-2015 2/	76,733	6	2,295	62,841	25 & 26	325
2014-2016 2/	78,936	6	1,935	64,252	27 & 28	260
2015-2017 2/	78,846	10	1,672	66,373	25 & 26	266
2016-2018 2/	82,820	6	1,960	67,531	25 & 26	317
2017-2019 2/	87,015	5	2,243	69,516	26 & 27	336
2018-2020 2/	88,066	5	2,248	70,550	26 & 27	364
2019-2021 2/	86,759	8	2,064	71,760	26 & 27	370

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 2021 Three-Year Moving Averages" <<https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-income-households.html>> accessed March 16, 2023; 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): 2017-2021**

[Average of the 5-year period. Data are based on a sample and are subject to sampling variability]

Geographic area	Median income (dollars) 1/		Percent below poverty level 2/	
	Households	Families	Persons	Families
State	88,005	103,593	9.5	6.5
County: Hawaii	68,399	81,910	13.8	10.3
Honolulu	92,600	109,818	8.6	5.6
Kalawao	79,583	(3/)	20.9	40.0
Kauai	86,287	97,460	9.1	7.5
Maui	88,249	100,094	9.5	6.5
CDP: Hilo	70,356	87,016	16.1	12.2
East Honolulu	139,041	152,127	3.3	2.1
Kailua (Oahu)	133,327	148,852	4.3	2.0
Kaneohe	118,770	134,861	5.5	3.1
Pearl City	108,772	122,388	4.1	2.0
Urban Honolulu	76,495	98,425	11.0	7.2
Waipahu	83,671	88,341	10.8	9.5
Kahului	82,219	96,012	8.4	4.2
Lihue	83,872	102,212	5.0	2.5

1/ Inflation- adjusted 2021 dollars for 2017-2021.

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.

3/ The estimate could not be computed because there were an insufficient number of sample observations.

Source: Hawaii State Department of Business, Economic Development & Tourism, 2017-2021 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://data.census.gov/cedsci/>> accessed March 20, 2023.

**Table 13.23-- ESTIMATED MEDIAN HOUSEHOLD INCOME AND POVERTY STATUS, BY COUNTY: 2019 TO 2021**

[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 reliable is an estimate; 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
2019					
State total	83,734	124,650	9.0	33,038	11.2
Hawaii	64,929	26,071	13.1	7,959	18.8
Honolulu	86,946	74,282	7.9	18,533	9.2
Kauai	73,029	6,659	9.3	1,804	11.7
Maui 2/	77,375	17,638	10.7	4,743	13.4
2020					
State total	86,878	121,182	8.9	29,682	10.4
Hawaii	70,313	24,301	12.2	6,718	16.1
Honolulu	89,584	74,186	8.0	17,766	9.1
Kauai	80,517	7,005	9.9	1,516	10.1
Maui 2/	80,763	15,690	9.5	3,681	10.6
2021					
State total	85,547	152,656	10.9	38,291	12.9
Hawaii	67,896	29,361	14.7	8,309	19.8
Honolulu	90,176	96,646	10.0	23,042	11.2
Kauai	76,719	8,101	11.2	2,155	13.9
Maui 2/	75,421	18,548	11.4	4,786	13.9

1/ Based on Mainland poverty thresholds. Official Hawaii thresholds are about 15 percent higher. See following table.

2/ Includes Kalawao County.

Source: U.S. Census Bureau, Small Area Income and Poverty Estimates (SAIPE) for State and County <<https://www.census.gov/programs-surveys/saipe/data/datasets.All.html>> accessed March 16, 2023.

**Table 13.24-- INCOME OF HOUSEHOLDS AND FAMILIES: 2019 AND 2021**

[Data are based on a sample and are subject to sampling variability. The U.S. Census Bureau did not release its standard 1-year estimates American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-ac-s-1-year-data.html>>]

Income	Households		Families	
	Number	Percent	Number	Percent
2019 (in 2019 inflation-adjusted dollars)	465,299	100.0	316,206	100.0
Less than \$10,000	23,344	5.0	9,377	3.0
\$10,000 to \$14,999	12,238	2.6	3,827	1.2
\$15,000 to \$24,999	27,456	5.9	11,911	3.8
\$25,000 to \$34,999	29,598	6.4	15,537	4.9
\$35,000 to \$49,999	40,282	8.7	25,279	8.0
\$50,000 to \$74,999	78,291	16.8	51,523	16.3
\$75,000 to \$99,999	62,750	13.5	46,308	14.6
\$100,000 to \$149,999	92,806	19.9	73,057	23.1
\$150,000 to \$199,999	47,879	10.3	39,286	12.4
\$200,000 or more	50,655	10.9	40,101	12.7
Median income (dollars)	83,102	(X)	96,462	(X)
2021 (in 2021 inflation-adjusted dollars)	490,080	100.0	334,899	100.0
Less than \$10,000	26,535	5.4	10,038	3.0
\$10,000 to \$14,999	14,890	3.0	6,486	1.9
\$15,000 to \$24,999	28,789	5.9	14,014	4.2
\$25,000 to \$34,999	24,548	5.0	12,757	3.8
\$35,000 to \$49,999	45,306	9.2	25,270	7.5
\$50,000 to \$74,999	77,665	15.8	48,520	14.5
\$75,000 to \$99,999	66,805	13.6	48,495	14.5
\$100,000 to \$149,999	88,987	18.2	72,540	21.7
\$150,000 to \$199,999	51,453	10.5	42,501	12.7
\$200,000 or more	65,102	13.3	54,278	16.2
Median income (dollars)	84,857	(X)	100,890	(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 10, 2023.

**Table 13.25-- HOUSEHOLD INCOME TYPE AND PER CAPITA INCOME, BY COUNTY: 2017-2021**

[Average of 5-year periods. Data are based on a sample and are subject to sampling variability. In 2021 inflation-adjusted dollars]

Subject	State total	City & County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
With earnings (number)	384,677	270,739	52,874	27	17,687	43,350
Mean earnings (dollars)	105,999	110,587	86,170	81,337	96,867	105,271
With Social Security income (number)	173,269	113,088	29,859	3	9,385	20,934
Mean Social Security income (dollars)	21,968	22,167	21,752	(1/)	21,016	21,625
With retirement income (number)	133,988	93,972	19,514	2	6,191	14,309
Mean retirement income (dollars)	34,393	35,712	30,932	(1/)	32,388	31,324
With Supplemental Security income (number)	19,493	13,011	3,818	2	681	1,981
Mean Supplemental Security income (dollars)	10,548	10,339	10,869	(1/)	11,859	10,856
With cash public assistance income (number)	17,913	11,731	3,363	2	729	2,088
Mean cash public assistance income (dollars)	6,157	5,791	6,586	(1/)	6,936	7,258
With Food Stamp/SNAP benefits in the past 12 months	51,080	30,638	13,594	-	2,339	4,509
Per capita income (dollars)	39,045	40,339	33,913	49,700	35,351	38,956

1/ Number of sample cases is too small to show.

Source: U.S. Census Bureau, American Community Survey 5-Year Estimates 2017-2021, "DP03: Selected Economic Characteristics: Hawaii State, and Counties" <<https://data.census.gov/cedsci/>> accessed March 20, 2023.

**Table 13.26-- ANNUAL SELF-SUFFICIENCY FAMILY BUDGETS FOR SELECTED FAMILY TYPES: 2020**

[Economic self-sufficiency is the amount of money that individuals and families require to meet their basic needs without government and/or other subsidies, and that adults are working full-time (40-hour week), with one or more jobs. Self-Sufficiency Family Standard budgets vary by family size, type, location, and the age of children]

Category	Family type				
	One adult	Two adult family	One adult and one preschooler	One adult, one preschooler and one school-age	Two adults, one preschooler and one school-age
Annual self-sufficiency family budget (dollars)					
State	37,646	48,764	64,926	79,342	85,372
Honolulu	38,762	49,348	67,646	82,526	87,731
Hawaii	31,206	42,724	54,483	66,502	74,030
Maui	37,676	50,467	62,124	76,760	84,794
Kauai	40,830	54,031	64,535	79,012	87,171
Selected state benchmarks (dollars)					
Poverty threshold	14,680	19,830	19,830	24,980	30,130
Minimum wage	21,008	42,016	21,008	21,008	42,016
Median family income	44,505	99,100	61,500	34,400	108,500
Self-sufficiency income above or below (-) selected state benchmarks (percent)					
Poverty threshold	156.4	145.9	227.4	217.6	183.3
Minimum wage	79.2	16.1	209.1	277.7	103.2
Median family income	-15.4	-50.8	5.6	130.6	-21.3
Families with income below self-sufficiency level (percent) 1/					
State	43.1	18.2	50.0	80.0	34.7

1/ Based on U.S. Census Bureau, 2019 American Community Survey, Public Use Microdata Sample File (ACS-PUMS) and 2019 Current Population Survey (CPS) data. See report for methodology.

Source: Hawaii State Department of Business, Economic Development & Tourism, "Self-Sufficiency Income Standard, Estimates for Hawaii 2020" (December 2021) <[http://dbedt.hawaii.gov/economic/reports\\_studies/self-sufficiency-income-study/](http://dbedt.hawaii.gov/economic/reports_studies/self-sufficiency-income-study/)> accessed June 24, 2022.

**Table 13.27-- POVERTY STATUS OF PERSONS: 2000 TO 2021**

[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 population (1,000)	Number in poverty (1,000)	Margin of error 1/	Percent in poverty 2/	Margin of error 1/
2000	1,195	106	20	8.9	1.5
2001	1,205	138	21	11.4	1.8
2002	1,219	138	23	11.3	1.6
2003	1,250	117	20	9.3	1.5
2004	1,244	106	20	8.6	1.6
2005	1,274	110	20	8.6	1.0
2006	1,254	116	21	9.2	1.5
2007	1,264	94	20	7.5	1.5
2008	1,255	125	21	9.9	1.8
2009	1,250	156	23	12.5	2.0
2010	1,311	162	25	12.4	2.0
2011	1,337	162	30	12.1	2.3
2012	1,356	188	35	13.8	2.6
2013 3/	1,338	142	39	10.6	3.0
2014	1,365	147	26	10.8	1.8
2015	1,382	151	26	10.9	1.8
2016	1,392	129	28	9.3	2.0
2017 4/	1,402	149	28	10.6	2.0
2018	1,393	128	26	9.2	1.8
2019	1,365	115	28	8.4	2.1
2020	1,427	155	30	10.9	2.1
2021	1,427	156	29	10.9	2.0

1/ Census Bureau tables were restructured for the release of the 2021 estimates. Related estimates have been combined into single tables. The tables contain the same or more data as in previous years, though they may have updated titles or labels. The 'Standard Error' data in Table 19 have been replaced by 'Margin of Error'.

2/ For the United States, the poverty rate was 11.3 percent in 2000, 11.7 percent in 2001, 12.1 percent in 2002, 12.5 percent in 2003, 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, 11.8 percent in 2018, 10.5 percent in 2019, 11.5 percent in 2020, and 11.6 percent in 2021.

3/ The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of data for this table is the portion of the CPS ASEC sample which received the redesigned income questions, approximately 30,000 addresses.

4/ Reflects implementation of an updated CPS ASEC processing system.

Source: U.S. Bureau of the Census, Historical Poverty Tables, Tables 2, 19 and 20 <<https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-poverty-people.html>> accessed July 5, 2023.

**Table 13.28-- POVERTY STATUS, FOR THE STATE AND BY COUNTY: 2017-2021**

[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 2017-2021. Data in percent below poverty level]

Subject	State total	City & County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All families	6.5	5.6	10.3	40.0	7.5	6.5
With related children under 18 years	9.9	8.7	16.6	(1/)	11.0	8.4
With related children under 5 years only	8.9	7.6	16.8	(1/)	14.1	6.7
Married couple families	3.6	3.2	5.5	40.0	3.5	3.4
With related children under 18 years	3.9	3.7	6.2	(1/)	4.2	2.3
With related children under 5 years only	3.0	2.6	7.9	(1/)	5.3	0.7
Families with female householder, no husband present	17.0	15.0	25.3	(1/)	18.0	17.6
With related children under 18 years	26.8	25.3	36.0	(1/)	19.8	24.8
With related children under 5 years only	28.7	29.3	29.4	(1/)	26.7	25.6
All people	9.5	8.6	13.8	20.9	9.1	9.5
Under 18 years	12.0	11.0	18.3	(1/)	11.6	10.8
Related children under 18 years	11.5	10.5	17.6	(1/)	11.3	10.1
Related children under 5 years	13.1	11.8	20.7	(1/)	16.0	11.2
Related children 5 to 17 years	10.9	10.0	16.5	(1/)	9.6	9.7
18 years and over	8.8	8.0	12.6	20.9	8.5	9.1
18 to 64 years	8.9	7.9	13.7	18.9	8.5	9.4
65 years and over	8.3	8.0	9.6	33.3	8.4	8.0
People in families	6.5	5.8	10.1	50.0	6.5	6.2
Unrelated individuals 15 years and over	23.0	22.0	28.5	14.3	20.4	23.2

1/ Either there were no sample observations or too few sample observations were available to compute an estimate.

Source: U.S. Census Bureau, 2017-2021 American Community Survey 5-Year Estimates, "DP03: Selected Economic Characteristics: Hawaii State, and Counties" <<https://data.census.gov/>> accessed March 20, 2023.



**Table 13.29-- POVERTY INCOME GUIDELINES FOR HAWAII, THE 48 CONTIGUOUS STATES, AND ALASKA: 2016 TO 2023**

[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. 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. 13, 2021	14,820	20,040	25,260	30,480	35,700	40,920	46,140	51,360	5,220
Jan. 12, 2022	15,630	21,060	26,490	31,920	37,350	42,780	48,210	53,640	5,430
Jan. 12, 2023	16,770	22,680	28,590	34,500	40,410	46,320	52,230	58,140	5,910
Jan. 25, 2016									
U.S. 1/	11,880	16,020	20,160	24,300	28,440	32,580	36,730	40,890	4,160
Alaska	14,840	20,020	25,200	30,380	35,560	40,740	45,920	51,120	5,200
Jan. 26, 2017									
U.S. 1/	12,060	16,240	20,420	24,600	28,780	32,960	37,140	41,320	4,180
Alaska	15,060	20,290	25,520	30,750	35,980	41,210	46,440	51,670	5,230
Jan. 13, 2018									
U.S. 1/	12,140	16,460	20,780	25,100	29,420	33,740	38,060	42,380	4,320
Alaska	15,180	20,580	25,980	31,380	36,780	42,180	47,580	52,980	5,400
Jan. 11, 2019									
U.S. 1/	12,490	16,910	21,330	28,750	30,170	34,590	39,010	43,430	4,420
Alaska	15,600	21,130	26,660	32,190	37,720	43,250	48,780	54,310	5,530
Jan. 15, 2020									
U.S. 1/	12,760	17,240	21,720	26,200	30,680	35,160	39,640	44,120	4,480
Alaska	15,950	21,550	27,150	32,750	38,350	43,950	49,550	55,150	5,600
Jan. 13, 2021									
U.S. 1/	12,880	17,420	21,960	26,500	31,040	35,580	40,120	44,660	4,540
Alaska	16,090	21,770	27,450	33,130	38,810	44,490	50,170	55,850	5,680
Jan. 12, 2022									
U.S. 1/	13,590	18,310	23,030	27,750	32,470	37,190	41,910	46,630	4,720
Alaska	16,990	22,890	28,790	34,690	40,590	46,490	52,390	58,290	5,900
Jan. 12, 2023									
U.S. 1/	14,580	19,720	24,860	30,000	35,140	40,280	45,420	50,560	5,140
Alaska	18,210	24,640	31,070	37,500	43,930	50,360	56,790	63,220	6,430

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**Table 13.29-- POVERTY INCOME GUIDELINES FOR HAWAII, THE 48 CONTIGUOUS STATES, AND ALASKA: 2016 TO 2023 -- 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 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; for 2020 <<https://www.govinfo.gov/content/pkg/FR-2020-01-17/pdf/2020-00858.pdf>> accessed February 3, 2020; for 2021 <<https://www.govinfo.gov/content/pkg/FR-2021-02-01/pdf/2021-01969.pdf>> accessed February 1, 2021; for 2022 <<https://www.govinfo.gov/content/pkg/FR-2022-01-21/pdf/2022-01166.pdf>> accessed June 24, 2022; and for 2023 <<https://www.govinfo.gov/content/pkg/FR-2023-01-19/pdf/2023-00885.pdf>> accessed February 17, 2023.

**Table 13.30-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS,  
FOR HONOLULU METROPOLITAN STATISTICAL AREA: 2001-2002 TO 2004-2005 AND 2015-2016 TO 2020-2021**

[Annual averages for two-year periods. The Consumer Expenditure Survey (CES) for 2005-2006 was released by BLS on October 26, 2007 but excluded data for Honolulu MSA. BLS continued to release CES for averages of the two-year periods through 2014-2015 but Honolulu MSA was excluded. Honolulu MSA data were restored in the CES 2015-2016 and have been included ever since]

Item	2001- 2002	2002- 2003	2003- 2004	2004- 2005	2015- 2016	2016- 2017	2017- 2018	2018- 2019	2019- 2020	2020- 2021
Average annual expenditures	43,458	44,505	48,339	54,937	66,798	65,099	60,710	63,481	60,884	61,290
Food	6,418	5,819	6,666	8,089	10,303	10,036	10,985	11,969	9,953	9,289
Food at home	3,879	3,269	3,592	4,231	5,419	5,161	5,899	6,624	6,118	5,908
Cereals and bakery products	542	462	499	556	599	511	691	835	710	767
Meats, poultry, fish, and eggs	1,182	866	860	1,090	1,299	1,349	1,467	1,597	1,472	1,313
Dairy products	336	287	317	335	438	413	508	563	445	403
Fruits and vegetables	750	630	693	831	1,099	1,071	1,265	1,376	1,324	1,348
Other food at home	1,069	1,024	1,223	1,419	1,985	1,816	1,968	2,253	2,166	2,075
Food away from home	2,539	2,549	3,075	3,858	4,885	4,875	5,086	5,345	3,835	3,382
Alcoholic beverages	489	357	367	463	518	658	517	546	473	444
Housing	14,207	15,156	15,874	17,400	24,241	24,355	23,045	23,089	23,572	25,224
Shelter	9,470	10,067	10,324	10,887	16,359	16,502	14,710	15,165	16,007	16,869
Owned dwellings	4,810	5,367	5,629	6,516	6,714	6,982	7,376	7,901	7,797	8,222
Rented dwellings	4,030	3,971	4,160	3,960	8,833	8,769	6,949	6,704	7,633	8,282
Other lodging	630	728	535	411	811	751	385	561	577	366
Utilities, fuels, & public services	2,200	2,492	2,606	2,813	4,047	4,203	4,416	4,417	4,455	4,730
Household operations	569	707	770	692	1,240	1,441	1,263	944	938	1,086
Housekeeping supplies	567	480	593	817	715	716	838	871	721	817
Household furn. & equipment	1,402	1,410	1,582	2,191	1,880	1,492	1,817	1,692	1,452	1,723
Apparel and services	1,597	1,467	1,467	2,157	1,726	1,667	1,634	1,577	1,185	774
Transportation	7,230	8,023	8,778	9,921	9,486	7,391	6,611	8,403	8,213	7,580
Vehicle purchases (net outlay)	3,040	3,724	4,356	4,768	3,727	1,954	1,595	2,865	2,975	2,635
Gasoline and motor oil	1,124	1,142	1,277	1,658	1,924	1,794	1,800	1,851	1,670	1,756

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**Table 13.30-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS,  
FOR HONOLULU METROPOLITAN STATISTICAL AREA: 2001-2002 TO 2004-2005 AND 2015-2016 TO  
2020-2021 -- Con.**

Item	2001- 2002	2002- 2003	2003- 2004	2004- 2005	2015- 2016	2016- 2017	2017- 2018	2018- 2019	2019- 2020	2020- 2021
Transportation- con.										
Other vehicle expenses	2,194	2,208	2,218	2,427	2,414	2,156	2,202	2,543	2,627	2,741
Public transportation	873	948	927	1,069	1,421	1,488	1,014	1,143	942	448
Health care	2,365	2,617	2,668	2,600	3,576	3,977	4,134	4,233	3,909	4,009
Entertainment	2,249	2,276	2,941	3,126	2,997	3,285	2,665	2,307	1,967	1,878
Personal care products & services	594	542	649	772	746	705	798	755	583	605
Reading	161	170	149	128	138	77	53	30	55	111
Education	1,088	1,040	1,020	1,320	1,909	1,820	1,074	1,375	1,379	1,115
Tobacco prod. & smoking supplies	297	300	270	241	146	101	178	206	183	231
Miscellaneous	759	831	825	861	623	597	358	413	610	598
Cash contributions	1,278	1,226	1,218	1,112	3,338	3,512	1,456	952	799	814
Personal insurance and pensions	4,727	4,684	5,447	6,746	7,052	6,919	7,202	7,628	8,001	8,618
Life & other personal insurance	641	607	554	520	298	251	289	385	404	443
Pensions and Social Security	4,086	4,076	4,893	6,226	6,754	6,668	6,912	7,243	7,597	8,175
Number of consumer units (1,000)	276	275	273	278	499	532	537	562	609	582
Consumer unit characteristics										
Income before taxes 1/	56,000	59,114	64,082	70,104	89,019	93,672	94,905	95,375	95,678	101,761
Age of reference person	53.9	53.7	52.1	51.8	52.4	53.0	56.6	56.7	54.0	52.8
Average number in consumer unit 2/										
Persons	2.8	2.8	2.7	2.8	2.8	2.7	2.8	2.7	2.6	2.8
Children under 18	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.6
Persons 65 and over	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5
Earners	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.5
Vehicles	1.6	1.6	1.7	1.8	1.7	1.7	1.8	1.7	1.6	1.7
Percent homeowner	53.0	57.0	57.0	61.0	52.0	54.0	62.0	62.0	57.0	56.0

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**Table 13.30-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS,  
FOR HONOLULU METROPOLITAN STATISTICAL AREA: 2001-2002 TO 2004-2005 AND 2015-2016 TO  
2020-2021 -- Con.**

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.

2/ 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 September 8, 2022.

**Table 13.31-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR SELECTED WESTERN METROPOLITAN STATISTICAL AREAS: 2020-2021**

[Averages over two-year period. Number in units, unless otherwise specified. Expenditures in dollars]

Item	All consumer units in the West 1/	Honolulu	Los Angeles	San Francisco	San Diego	Seattle	Phoenix	Denver	Anchorage
Average annual expenditures	70,521	61,290	68,814	91,290	88,841	86,303	61,741	75,132	72,255
Food	8,689	9,289	8,773	10,819	10,563	10,253	7,054	8,377	10,541
Food at home	5,673	5,908	5,571	7,569	6,264	6,686	4,238	5,095	7,176
Cereals and bakery products	692	767	661	923	740	754	513	553	889
Meats, poultry, fish, and eggs	1,207	1,313	1,372	1,766	1,299	1,269	888	1,114	1,399
Dairy products	550	403	514	668	594	640	349	516	690
Fruits and vegetables	1,149	1,348	1,166	1,697	1,284	1,341	809	1,099	1,564
Other food at home	2,075	2,075	1,858	2,516	2,347	2,681	1,679	1,814	2,633
Food away from home	3,016	3,382	3,201	3,250	4,299	3,568	2,817	3,282	3,366
Alcoholic beverages	590	444	517	906	1,165	1,018	505	818	663
Housing	25,358	25,224	26,143	38,212	32,907	31,834	21,114	27,199	24,833
Shelter	15,809	16,869	17,276	26,561	21,941	20,851	13,076	16,197	14,619
Owned dwellings	8,428	8,222	8,149	14,443	11,779	11,583	6,756	9,386	8,675
Rented dwellings	6,528	8,282	8,487	10,867	9,221	7,711	5,509	5,819	5,091
Other lodging	853	366	640	1,251	941	1,558	811	992	852
Utilities, fuels, and public services	4,114	4,730	4,070	4,828	4,060	4,063	3,804	3,990	5,079
Household operations	1,691	1,086	1,690	2,442	2,052	2,081	1,421	2,344	1,535
Housekeeping supplies	881	817	781	1,036	1,371	1,005	701	1,141	747
Household furnishings and equip.	2,864	1,723	2,327	3,346	3,483	3,834	2,112	3,526	2,853
Apparel and services	1,734	774	1,810	1,933	3,212	2,479	1,743	1,380	1,623
Transportation	11,125	7,580	11,219	11,077	10,851	12,303	11,639	12,239	8,727
Vehicle purchases (net outlay)	4,846	2,635	4,564	4,653	3,085	5,691	6,318	5,705	2,518
Gasoline and motor oil	2,079	1,756	2,346	1,903	2,391	1,866	1,597	1,715	2,095
Other vehicle expenses	3,768	2,741	4,007	3,739	4,696	4,049	3,403	4,214	3,373
Public and other transportation	432	448	303	782	679	697	321	605	742

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**Table 13.31-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR SELECTED WESTERN METROPOLITAN STATISTICAL AREAS: 2020-2021 -- Con.**

Item	All consumer units in the West 1/	Honolulu	Los Angeles	San Francisco	San Diego	Seattle	Phoenix	Denver	Anchorage
Healthcare	5,185	4,009	4,487	5,798	5,104	4,771	5,156	5,626	5,295
Entertainment	3,806	1,878	2,978	3,535	5,608	4,752	2,955	4,134	4,537
Personal care products and services	813	605	857	965	890	1,090	824	926	642
Reading	133	111	110	133	135	241	106	187	102
Education	1,117	1,115	1,127	1,694	1,900	1,747	911	1,419	1,164
Tobacco products & smoking supplies	270	231	188	68	230	397	253	203	387
Miscellaneous	1,025	598	1,104	819	1,422	1,625	816	908	926
Cash contributions	2,548	814	1,527	3,198	2,446	3,174	1,758	2,684	2,900
Personal insurance and pensions	8,128	8,618	7,973	12,133	12,408	10,619	6,907	9,033	9,914
Life and other personal insurance	410	443	309	526	779	497	319	576	367
Pensions and Social Security	7,718	8,175	7,664	11,607	11,629	10,122	6,588	8,457	9,547
Number of consumer units (1,000's)	30,097	582	6,406	1,853	1,021	2,027	1,437	1,257	220
Consumer unit characteristics									
Income before taxes	93,329	101,761	96,088	154,091	114,419	117,721	79,957	103,708	93,893
Age of reference person	51.2	52.8	50.9	53.3	50.6	48.4	50.9	49.0	50.3
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	2.7	2.6	2.6	2.4	2.4	2.5	2.6
Children under 18	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.7
Adults 65 and older	0.4	0.5	0.4	0.5	0.4	0.3	0.4	0.3	0.3
Earners	1.4	1.5	1.4	1.5	1.5	1.3	1.2	1.4	1.4
Vehicles	2.0	1.7	1.7	1.7	2.0	1.9	1.7	1.9	2.5
Percent homeowner	60.0	56.0	54.0	61.0	58.0	57.0	61.0	66.0	65.0

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 2022) <<https://www.bls.gov/cex/tables.htm>> accessed September 8, 2022.

**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](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](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](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](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](http://files.hawaii.gov/dbedt/economic/reports/CE_Maui_Survey_Final.pdf)> accessed June 16, 2016. Ibid. *Hawaii County Consumer Spending: 2014* "Table 2. Share of expenditures for Honolulu and Hawaii County households: 2014" (June 2016) <[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Big\\_Island\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Big_Island_Survey_Final.pdf)> accessed June 27, 2016; Ibid. *Kauai County Consumer Spending: 2014* "Table 2. Share of expenditures for Honolulu and Kauai County households: 2014" (June 2016) <[http://files.hawaii.gov/dbedt/economic/reports/CE\\_Kauai\\_Survey\\_Final.pdf](http://files.hawaii.gov/dbedt/economic/reports/CE_Kauai_Survey_Final.pdf)> accessed June 27, 2016.

**Table 13.37-- PERSONAL CONSUMPTION EXPENDITURES, BY MAJOR TYPE OF PRODUCT: 2016 TO 2021**

[In millions of current dollars. Data revised 2017 to 2020]

Industry	2016	2017	2018	2019	2020	2021
Personal consumption expenditures (PCE)	58,783.7	61,184.9	64,529.5	66,957.1	64,031.5	70,859.4
Goods	17,285.4	17,949.2	18,941.0	19,416.8	19,828.8	22,394.0
Durable goods	4,804.7	4,985.0	5,279.4	5,322.2	5,785.1	7,066.6
Motor vehicles & parts	1,872.9	1,951.6	1,999.3	1,945.0	1,974.0	2,458.6
Furnishings & durable household equipment	1,313.9	1,385.7	1,493.6	1,513.7	1,822.7	2,087.7
Recreational goods & vehicles	831.8	835.4	896.1	957.9	1,190.8	1,575.6
Other durable goods	786.1	812.3	890.5	905.7	797.7	944.8
Nondurable goods	12,480.7	12,964.3	13,661.5	14,094.5	14,043.7	15,327.4
Food & beverages purchased for off-premises consumption	5,099.4	5,299.0	5,543.1	5,780.5	6,294.8	6,698.2
Clothing and footwear	1,898.2	1,958.3	2,078.2	2,087.6	1,516.6	1,906.0
Gasoline & other energy goods	773.4	874.2	996.3	924.0	621.2	875.6
Other nondurable goods	4,709.8	4,832.8	5,044.0	5,302.5	5,611.0	5,847.7
Services	41,498.3	43,235.7	45,588.5	47,540.3	44,202.7	48,465.4
Household consumption expenditures (for services)	38,801.5	40,514.4	42,637.0	44,560.4	40,815.4	45,297.9
Housing and utilities	12,512.5	12,928.0	13,333.0	13,935.2	14,630.3	15,459.6
Health care	8,846.2	9,227.8	9,781.8	10,398.9	9,965.7	10,738.4
Transportation services	1,836.4	1,996.0	2,160.9	2,318.4	1,371.4	1,882.1
Recreation services	2,559.2	2,567.0	2,683.1	2,662.2	1,692.8	2,111.5
Food services & accom.	4,377.7	4,714.2	4,966.3	5,216.7	3,514.5	4,807.8
Financial services & insurance	4,101.6	4,396.9	4,717.9	4,715.4	4,848.2	4,995.4
Other services	4,567.9	4,684.5	4,994.0	5,313.5	4,792.5	5,303.0
Final consumption expenditures of nonprofit institutions serving households (NPISHs)	2,696.9	2,721.2	2,951.5	2,979.9	3,387.3	3,167.5
Gross output of nonprofit institutions	7,695.6	7,868.9	8,420.3	8,803.2	8,887.5	9,802.5
Less: Receipts from sales of goods & serv. by nonprof. inst.	4,998.7	5,147.7	5,468.8	5,823.3	5,500.3	6,635.0

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP1 Total personal consumption expenditures (PCE) by state: 1997 to 2021

<<https://apps.bea.gov/iTable/iTable.cfm?reqid=70&step=1&acrdn=7#reqid=70&step=1&acrdn=7>> accessed October 6, 2022. See also "Personal Consumption Expenditures, By State: 2021" (October 6, 2022)

<<https://www.bea.gov/news/2021/personal-consumption-expenditures-state-2021>> accessed October 6, 2022.

**Table 13.38-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA,  
BY MAJOR TYPE OF PRODUCT: 2015 TO 2021**

[Per capita PCE estimates are in current dollars. BEA produced intercensal population figures for 2010 to 2019 that are tied to the Census Bureau decennial counts for 2010 and 2020. Per capita values are computed from unrounded data. Source revised 2010 to 2020 estimates]

Industry	2015	2016	2017	2018	2019	2020	2021
Personal consumption expend. (PCE) per cap.	39,445	40,346	41,955	44,193	45,954	44,102	49,155
Goods	11,663	11,864	12,308	12,972	13,326	13,657	15,535
Durable goods	3,215	3,298	3,418	3,616	3,653	3,984	4,902
Motor vehicles & parts	1,244	1,285	1,338	1,369	1,335	1,360	1,706
Furnishings & durable household equipment	864	902	950	1,023	1,039	1,255	1,448
Rec. goods & vehicles	573	571	573	614	657	820	1,093
Other durable goods	534	540	557	610	622	549	655
Nondurable goods	8,448	8,566	8,890	9,356	9,673	9,673	10,633
Food & bev. purchased for off-premises consumption	3,456	3,500	3,634	3,796	3,967	4,336	4,647
Clothing and footwear	1,281	1,303	1,343	1,423	1,433	1,045	1,322
Gasoline & other energy goods	552	531	599	682	634	428	607
Other nondurable goods	3,159	3,233	3,314	3,454	3,639	3,865	4,057
Services	27,782	28,482	29,647	31,221	32,628	30,445	33,620
Household consumption expend. (for services)	26,038	26,631	27,781	29,200	30,583	28,112	31,423
Housing and utilities	8,412	8,588	8,865	9,131	9,564	10,077	10,724
Health care	5,883	6,071	6,327	6,699	7,137	6,864	7,449
Transportation services	1,237	1,260	1,369	1,480	1,591	945	1,306
Recreation services	1,734	1,756	1,760	1,838	1,827	1,166	1,465
Food services & accom.	2,893	3,005	3,233	3,401	3,580	2,421	3,335
Financial serv. & insur.	2,777	2,815	3,015	3,231	3,236	3,339	3,465
Other services	3,102	3,135	3,212	3,420	3,647	3,301	3,679
Final cons. expend. of of nonprofit inst. serving households (NPISHs)	1,744	1,851	1,866	2,021	2,045	2,333	2,197
Gross output of nonprofit institutions	5,120	5,282	5,396	5,767	6,042	6,121	6,800
Less: Receipts from sales of goods & serv. by nonprof. inst.	3,376	3,431	3,530	3,745	3,997	3,788	4,603

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP2 Per capita personal consumption expenditures (PCE) by state, 1997-2021

<<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed October 6, 2022. See also "Personal Consumption Expenditures, By State: 2021" (October 6, 2022)

<[https://www.bea.gov/sites/default/files/2022-10/pce1022\\_0\\_0.pdf](https://www.bea.gov/sites/default/files/2022-10/pce1022_0_0.pdf)> accessed October 6, 2022.

**Table 13.39-- PERSONAL CONSUMPTION EXPENDITURES PER CAPITA  
FOR THE UNITED STATES AVERAGE, THE 50 STATES AND THE  
DISTRICT OF COLUMBIA: 2015 TO 2021**

[Per capita PCE estimates are in current dollars. BEA produced intercensal population figures for 2010 to 2019 that are tied to the Census Bureau decennial counts for 2010 and 2020. Per capita values are computed from unrounded data. Source revised 2010 to 2020 estimates]

State	2015	2016	2017	2018	2019	2020	2021
U.S. average	38,106	39,132	40,516	42,323	43,584	42,583	47,915
Hawaii	39,445	40,346	41,955	44,193	45,954	44,102	49,155
Hawaii as % of U.S.	103.5	103.1	103.6	104.4	105.4	103.6	102.6
Alabama	31,123	31,866	32,977	34,321	35,458	35,244	39,657
Alaska	45,319	46,029	47,486	49,666	51,364	48,921	54,331
Arizona	34,980	35,935	37,567	39,220	40,630	40,237	44,875
Arkansas	30,755	31,668	32,732	33,928	34,670	34,786	39,044
California	40,584	42,099	44,094	46,385	48,478	46,802	53,082
Colorado	40,643	42,226	44,024	45,758	47,559	47,072	53,374
Connecticut	45,966	47,095	48,502	50,248	51,243	50,018	55,803
Delaware	41,816	42,558	43,536	45,398	46,607	45,481	51,113
Dist. of Col.	62,416	64,021	66,116	69,463	71,454	69,170	78,809
Florida	39,862	40,728	41,883	43,862	45,155	44,269	50,689
Georgia	34,040	35,075	36,462	38,032	39,055	38,253	43,482
<b>Hawaii</b>	<b>39,445</b>	<b>40,346</b>	<b>41,955</b>	<b>44,193</b>	<b>45,954</b>	<b>44,102</b>	<b>49,155</b>
Idaho	30,724	31,664	33,051	34,699	35,364	35,232	39,739
Illinois	38,919	40,056	41,434	43,382	44,598	43,510	49,558
Indiana	33,629	34,594	36,226	37,720	38,412	38,113	42,697
Iowa	34,610	35,383	36,422	37,631	38,214	37,419	41,758
Kansas	34,840	35,457	36,582	38,006	39,038	38,651	43,147
Kentucky	32,259	33,327	34,431	35,822	36,633	36,444	40,816
Louisiana	33,688	34,270	35,335	36,705	37,735	37,388	42,294
Maine	39,934	40,926	42,811	44,474	45,686	45,050	50,559
Maryland	41,162	42,018	43,153	44,599	45,443	43,658	48,650
Massachusetts	47,657	48,923	50,391	52,093	53,622	51,342	58,532
Michigan	36,758	37,965	39,224	40,885	41,895	40,922	45,591
Minnesota	40,777	41,693	43,280	45,125	46,007	44,170	48,615
Mississippi	29,372	29,967	30,649	31,855	32,497	32,577	36,445
Missouri	36,365	37,186	38,450	39,931	40,955	40,131	44,990
Montana	37,655	38,195	39,483	41,239	42,304	42,370	47,887
Nebraska	36,944	37,876	39,015	40,406	41,213	40,816	46,190
Nevada	35,934	36,783	38,263	39,879	40,966	39,829	44,831
New Hampshire	45,795	47,136	48,901	50,916	52,399	51,625	56,727
New Jersey	44,232	45,222	46,135	48,080	49,386	48,244	54,700

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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: 2015 TO 2021 -- Con.**

State	2015	2016	2017	2018	2019	2020	2021
New Mexico	32,254	32,904	33,912	35,443	35,940	35,129	40,028
New York	42,777	44,048	45,826	48,246	49,963	47,930	53,255
North Carolina	33,909	34,792	36,118	37,788	39,244	38,979	43,959
North Dakota	43,524	42,959	43,066	44,210	44,800	43,417	48,182
Ohio	35,922	36,874	38,015	39,377	40,261	39,666	44,089
Oklahoma	31,791	32,241	33,048	34,613	35,199	34,832	38,650
Oregon	36,523	37,567	39,369	41,331	42,766	42,232	47,779
Pennsylvania	40,318	41,131	42,411	44,425	45,640	44,088	49,040
Rhode Island	38,716	39,485	40,614	42,036	42,976	41,548	46,909
South Carolina	34,009	34,984	36,093	37,546	38,665	38,355	43,305
South Dakota	37,108	38,118	39,532	41,258	42,486	42,246	47,740
Tennessee	33,252	34,249	35,416	36,805	37,910	37,481	42,469
Texas	35,984	36,798	37,965	39,553	40,600	40,003	45,114
Utah	31,585	32,658	34,003	35,744	37,034	37,320	42,653
Vermont	43,506	44,127	44,964	46,846	47,860	46,205	50,761
Virginia	39,392	40,263	41,257	42,883	43,822	42,831	48,249
Washington	40,584	41,939	43,739	45,989	47,385	46,198	51,751
West Virginia	32,997	33,949	35,022	36,770	37,764	37,176	41,153
Wisconsin	36,549	37,565	38,822	40,599	41,482	40,726	45,165
Wyoming	39,446	39,662	40,890	42,372	43,115	42,556	47,832

Source: U.S. Bureau of Economic Analysis, Interactive Tables: SAEXP2 Per capita personal consumption expenditures (PCE) by state, 1997-2021

<<https://www.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>> accessed October 6, 2022. See also "Personal Consumption Expenditures, By State: 2021" (October 6, 2022)

<[https://www.bea.gov/sites/default/files/2022-10/pce1022\\_0\\_0.pdf](https://www.bea.gov/sites/default/files/2022-10/pce1022_0_0.pdf)> accessed October 6, 2022; and calculations by Hawaii State Department of Business, Economic Development & Tourism.



**Table 13.40-- TOP WEALTHHOLDERS: 1962 TO 2019**

[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
Gross estate over \$5.45 million				
2016	956	14,014	677	13,337
Gross estate over \$11.4 million				
2019	272	12,128	236	11,892

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## Table 13.40-- TOP WEALTHHOLDERS: 1962 TO 2019 -- 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](http://www.irs.ustreas.gov/prod/tax_stats/soi/soi_bul.html)> and for 1995 <[http://www.irs.treas.gov/prod/tax\\_stats/soi/est\\_pw.html/95PWART.EXE](http://www.irs.treas.gov/prod/tax_stats/soi/est_pw.html/95PWART.EXE)> accessed July 26, 2002; and *Winter 2002-2003 Issue, Personal Wealth 1998*, table 6 <<http://www.irs.ustreas.gov/pub/irs-soi/98pwart.pdf>> accessed September 28, 2003 and IRS Tax Stats "Top Wealthholders with Net Worth of \$1 Million or more by State of Residence: 1998", table 7, and Ibid. 2001, Table 6 <<http://www.irs.gov/taxstats/article/0,,id=225455,00.html>> accessed September 18, 2006; Personal Wealth 2004, Table 6 <<http://www.irs.gov/taxstats/article/0,,id=225455,00.html>> accessed August 25, 2008; Personal Wealth 2007, Table 6 <<https://www.irs.gov/uac/soi-tax-stats-personal-wealth-statistics>> accessed March 5, 2012; Personal Wealth 2013, Table 6 <<https://www.irs.gov/uac/soi-tax-stats-personal-wealth-statistics>> accessed January 18, 2018; Personal Wealth 2016, Table 6 <<https://www.irs.gov/statistics/soi-tax-stats-top-wealthholders-by-state-of-residence>> accessed June 17, 2021; Personal Wealth 2019, Table 6 <<https://www.irs.gov/statistics/soi-tax-stats-personal-wealth-statistics>> accessed July 10, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.41--TOP WEALTHHOLDERS, FOR HAWAII AND THE UNITED STATES  
TOTAL: 2013, 2016, AND 2019**

[Data are estimates based on samples]

Category	Hawaii	United States	Hawaii as percent of U.S.
2013: Wealthholders above \$5.0 million			
Net worth: Number (1,000)	826	481,239	0.2
Amount (\$M.)	13,066	6,542,469	0.2
Total assets: Amount (\$M.)	13,379	6,852,453	0.2
Financial assets: Number (1,000)	826	475,622	0.2
Amount (\$M.)	5,841	4,289,063	0.1
All real estate: Number (1,000)	806	433,858	0.2
Amount (\$M.)	3,823	970,502	0.4
All other assets: Number (1,000)	799	450,420	0.2
Amount (\$M.)	3,715	1,592,888	0.2
2016: Wealthholders above \$5.45 million			
Net worth: Number (1,000)	956	582,823	0.2
Amount (\$M.)	13,337	8,864,341	0.2
Total assets: Number (1,000)	2,623	582,823	0.5
Amount (\$M.)	14,014	9,301,007	0.2
Financial assets: Number (1,000)	956	581,118	0.2
Amount (\$M.)	8,413	5,774,156	0.1
All real estate: Number (1,000)	901	502,735	0.2
Amount (\$M.)	3,942	1,224,670	0.3
All other assets: Number (1,000)	766	542,925	0.1
Amount (\$M.)	1,659	2,302,182	0.1
2019: Wealthholders above \$11.4 million			
Net worth: Number (1,000)	272	205,470	0.1
Amount (\$M.)	11,892	6,838,150	0.2
Gross assets: Number (1,000)	272	205,470	0.1
Amount (\$M.)	12,128	7,102,243	0.2
Financial assets: Number (1,000)	272	205,287	0.1
Amount (\$M.)	9,378	4,214,913	0.2
All real estate: Number (1,000)	262	180,965	0.1
Amount (\$M.)	425	766,110	0.1
All other assets: Number (1,000)	272	195,402	0.1
Amount (\$M.)	2,326	2,121,221	0.1

Source: U. S. Department of Treasury, Internal Revenue Service, IRS Tax Stats, Personal Wealth 2013, Table 6 <<https://www.irs.gov/uac/soi-tax-stats-personal-wealth-statistics>> accessed January 18, 2018; Personal Wealth 2016, Table 6 <<https://www.irs.gov/statistics/soi-tax-stats-top-wealthholders-by-state-of-residence>> accessed June 17, 2021; Personal Wealth 2019, Table 6 <<https://www.irs.gov/statistics/soi-tax-stats-personal-wealth-statistics>> accessed July 10, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.42-- NET WORTH OF RICHEST RESIDENTS: 2012 TO 2022**

Name	Residence	Age (yrs)	Net worth (million dollars)	Rank	Primary sources
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
2020 Omidyar, Pierre	Honolulu	53	17,200	26	eBay, PayPal
2021 Ellison, Larry	Lanai	77	117,300	7	Software, self made
Omidyar, Pierre	Honolulu	54	25,300	26	eBay, PayPal, self made
2022 Ellison, Larry	Lanai	78	101,000	4	Software, self made
Omidyar, Pierre	Honolulu	55	9,900	65	eBay, PayPal, self made

1/ Tied with Jan Koum of Santa Clara, California whose 'Primary source' is listed as 'WhatsApp'.

Source: *Forbes*, "The Forbes 400 Richest Americans, 2012" <<http://www.forbes.com/400richest/>> 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; for 2019 <<http://www.forbes.com/wealth/forbes-400/list>> accessed January 23, 2020; for 2020 accessed June 21, 2021; and for 2021 <<http://www.forbes.com/wealth/forbes-400/list>> accessed July 2, 2022; and for 2022 <<http://www.forbes.com/wealth/forbes-400/list>> accessed January 10, 2023.

**Table 13.43-- HOUSEHOLD DEBT PER CAPITA FOR HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2022**

[Fourth quarter of the year indicated. Data subject to sampling variation. Population for per capita calculations are those ages 18 years and older and with credit file with Equifax]

Year	Total 1/	Auto loan	Credit card	Mortgage	Student loan	Population
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
2020	74,550	3,790	3,680	57,580	3,700	1,126,400
2021	77,410	3,970	3,750	60,600	3,770	1,135,640
2022	82,650	4,130	4,260	64,110	3,910	1,141,440
U. S. average 2/						
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

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**Table 13.43-- HOUSEHOLD DEBT PER CAPITA FOR HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2022 -- Con.**

Year	Total 1/	Auto loan	Credit card	Mortgage	Student loan	Population
U. S. average 2/ (con.)						
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
2020	52,500	4,960	2,970	36,170	5,580	275,695,296
2021	55,480	5,210	3,060	38,830	5,640	278,741,920
2022	59,580	5,470	3,480	41,830	5,640	282,686,016

1/ Includes components not shown separately.

2/ 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.* 2003-2022 (March 2023)

<[https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area\\_report\\_by\\_year.xlsx](https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx)> accessed March 16, 2023.

**Table 13.44-- HOUSEHOLD DEBT DELINQUENCY PER CAPITA FOR HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2022**

[Fourth quarter of the year indicated. 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]

Year	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
2020	4.08	8.40	0.54	10.81
2021	3.19	7.27	0.38	8.46
2022	2.88	6.48	0.44	0.91
U. S. average 1/				
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)

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**Table 13.44-- HOUSEHOLD DEBT DELINQUENCY PER CAPITA FOR HAWAII AND THE UNITED STATES AVERAGE: 1999 TO 2022 -- Con.**

Year	Auto loan delinquency	Credit card delinquency	Mortgage delinquency	Student loan delinquency
U. S. average 1/ (con.)				
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)
2020	4.76	9.24	0.56	(NA)
2021	4.04	8.22	0.42	(NA)
2022	3.81	7.53	0.46	(NA)

NA Not available.

1/ 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.* 2003-2022 (March 2023)

<[https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area\\_report\\_by\\_year.xlsx](https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx)> accessed March 16, 2023.



**Table 13.45-- HOUSEHOLD DEBT PER CAPITA FOR EACH OF THE 50 STATES, THE DISTRICT OF COLUMBIA, AND THE UNITED STATES AVERAGE: 2022**

[For 2022 fourth quarter. Data subject to sampling variation. Population for per capita calculations are those ages 18 years and older and with credit file with Equifax]

State	Rank 1/	Total 2/	Auto loan	Credit card	Mortgage	Student loan
U. S. average 3/	Btw. 19-20	59,580	5,470	3,480	41,830	5,640
Dist. of Columbia	1	105,800	3,740	4,660	80,970	12,770
Colorado	2	89,170	5,410	3,940	69,750	6,280
California	3	84,730	5,260	3,870	67,980	4,700
<b>Hawaii</b>	<b>4</b>	<b>82,650</b>	<b>4,130</b>	<b>4,260</b>	<b>64,110</b>	<b>3,910</b>
Washington	5	82,300	4,850	3,750	65,490	4,350
Maryland	6	80,130	5,880	4,190	59,400	7,050
Utah	7	79,240	6,040	3,340	61,120	4,220
Massachusetts	8	74,260	4,150	3,770	56,370	6,360
Virginia	9	74,110	5,380	3,960	55,310	6,210
Alaska	10	67,670	5,660	4,430	50,310	3,910
Oregon	11	66,950	4,530	3,240	50,320	5,770
New Jersey	12	66,800	4,820	4,220	48,120	6,440
Nevada	13	66,020	6,030	3,860	48,750	4,670
Arizona	14	65,600	6,040	3,530	47,820	5,420
Connecticut	15	64,670	4,170	4,040	47,000	6,410
Idaho	16	64,140	5,520	3,060	46,260	4,840
New Hampshire	17	63,230	5,980	3,640	43,580	5,940
Minnesota	18	62,240	4,570	3,410	45,080	6,310
Delaware	19	61,490	5,600	3,590	43,030	6,440
Rhode Island	20	58,580	4,530	3,540	41,260	5,550
Georgia	21	57,570	6,360	3,630	36,680	7,690
Florida	22	56,600	6,370	3,940	37,710	5,300
New York	23	56,590	4,230	3,970	39,280	6,090
Montana	24	55,440	4,760	3,210	39,020	4,810
North Carolina	25	55,370	5,810	3,250	37,100	5,690
Texas	26	54,290	7,610	3,650	34,800	5,330
South Carolina	27	53,410	5,650	3,160	34,830	6,150
Wyoming	28	52,900	5,420	3,260	37,330	3,640
Illinois	29	52,580	4,740	3,490	35,850	6,050
North Dakota	30	51,360	5,930	3,410	33,250	5,470
Vermont	31	51,170	5,830	3,140	33,120	6,220
Tennessee	32	51,160	5,490	2,860	33,830	5,350

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**Table 13.45-- HOUSEHOLD DEBT PER CAPITA FOR EACH OF THE 50 STATES, THE DISTRICT OF COLUMBIA, AND THE UNITED STATES AVERAGE: 2022 -- Con.**

State	Rank 1/	Total 2/	Auto loan	Credit card	Mortgage	Student loan
South Dakota	33	50,150	5,150	2,960	32,740	5,330
Maine	34	49,740	5,410	2,950	32,310	5,530
Pennsylvania	35	48,300	4,780	3,330	30,170	6,540
Nebraska	36	47,580	4,820	3,050	31,830	5,200
Wisconsin	37	46,790	4,410	2,820	31,820	4,950
New Mexico	38	46,710	6,310	2,870	30,610	4,100
Missouri	39	45,910	4,870	2,890	29,750	5,610
Indiana	40	45,860	5,150	2,780	29,510	5,180
Louisiana	41	45,830	6,710	2,880	27,030	5,940
Iowa	42	45,720	5,030	2,760	30,000	5,210
Michigan	43	45,620	4,780	2,980	28,920	6,070
Alabama	44	44,440	5,900	2,690	26,840	5,480
Ohio	45	44,210	5,180	2,970	26,760	6,320
Kansas	46	43,440	4,580	3,020	27,990	5,600
Kentucky	47	40,290	4,700	2,590	24,500	5,190
Oklahoma	48	39,830	6,000	2,830	23,730	4,690
Arkansas	49	39,150	5,980	2,670	22,810	4,920
Mississippi	50	38,130	5,990	2,450	19,650	6,160
West Virginia	51	34,210	5,840	2,540	18,640	4,590

1/ Rank of 1 is assigned to the highest total per capita household debt.

2/ Includes components not shown separately.

3/ Data include Puerto Rico but exclude other U.S. Territories such as Guam and the U.S. Virgin Islands, as well as certain other areas.

Source: Federal Reserve Bank of New York, "State Level Household Debt Statistics 2003-2022" (March 2023) <[https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area\\_report\\_by\\_year.xlsx](https://www.newyorkfed.org/medialibrary/Interactives/householdcredit/data/xls/area_report_by_year.xlsx)> accessed March 16, 2023; 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

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<a href="#">14.25</a>	Top 11 Most Expensive and 10 Cheapest States to Live: 2023
<a href="#">14.26</a>	Cost of Living Allowance (COLA) and Locality Pay Rates for Federal Employees in Hawaii Relative to Washington, D.C., by County: 2009 to 2023
<a href="#">14.27</a>	Cost of Living Allowance Indexes for Military in Hawaii Relative to Continental United States, by Island: 2023
<a href="#">14.28</a>	Per Diem Rates for Military in Hawaii, by Island or Installation: 2023

## 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.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey 1-year estimates are comparable to 2008 to 2019 and are included in Section 14 tables.

**Table 14.01-- IMPLICIT PRICE DEFLATOR FOR GROSS DOMESTIC PRODUCT FOR HAWAII AND UNITED STATES: 1977 TO 2022**

[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 2022 (see Table 13.03) but Real (Chained- 2012 dollar) GDP is not available before 1977]

Year	Hawaii	United States	Year	Hawaii	United States
SIC 1997 = 100.000 1/			NAICS 2012 = 100.000 1/		
1977	39.869	43.908	1997	67.571	74.399
1978	42.709	47.070	1998	69.154	75.236
1979	45.917	50.709	1999	71.083	76.296
1980	50.001	55.286	2000	73.530	78.025
1981	54.925	60.636	2001	76.484	79.783
1982	58.586	64.520	2002	78.336	81.026
1983	61.794	67.291	2003	80.305	82.625
1984	66.022	70.255	2004	82.683	84.843
1985	69.135	72.345	2005	85.468	87.504
1986	72.403	74.497	2006	88.492	90.204
1987	74.971	76.506	2007	91.557	92.642
1988	77.483	78.970	2008	93.212	94.419
1989	80.308	82.050	2009	95.027	95.024
1990	83.047	85.140	2010	96.043	96.166
1991	86.420	88.154	2011	97.788	98.164
1992	88.478	90.322	2012	100.000	100.000
1993	91.482	92.824	2013	102.042	101.751
1994	93.343	94.848	2014	104.436	103.654
1995	95.477	96.820	2015	107.066	104.691
1996	97.425	98.453	2016	108.551	105.740
1997	100.000	100.000	2017 2/	110.475	107.749
			2018 2/	113.132	110.339
			2019 2/	116.032	112.318
			2020 2/	117.724	113.784
			2021 2/	122.199	118.895
			2022	130.232	127.224

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 2022.

2/ Revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, Gross Domestic Product by Industry (March 23, 2023) <<https://apps.bea.gov/itable/iTable.cfm?ReqID=70&step=1>> accessed July 5, 2023; 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: 2012 TO 2021**

[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. 2017 to 2020 revised from previous *Data Book*]

State	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Hawaii: All items	109.2	111.7	110.8	111.4	110.6	110.4	110.8	111.6	112.7	113.2
Goods	106.3	109.1	109.1	110.8	112.1	112.4	116.2	115.2	112.2	110.6
Services: housing	154.1	159.2	157.3	160.9	155.2	149.7	143.0	142.5	136.3	140.8
Services: utilities	135.1	126.0	120.3	110.7	101.6	174.0	198.3	205.2	192.8	184.7
Services: other	99.1	100.7	99.8	99.9	99.1	98.1	98.2	99.9	103.0	104.4
Alabama	91.2	90.9	91.0	90.3	91.1	89.9	87.2	88.3	87.5	88.1
Alaska	103.6	102.6	103.4	104.4	105.0	104.9	104.5	102.8	100.8	104.4
Arizona	98.4	98.8	98.1	97.9	99.0	97.8	97.5	97.8	99.3	96.7
Arkansas	90.0	90.2	89.9	89.8	89.8	88.3	87.2	87.7	88.4	89.4
California	108.5	108.3	108.3	109.3	108.5	110.9	111.9	111.0	111.9	111.8
Colorado	102.9	103.0	102.2	102.7	102.3	103.0	100.2	102.4	103.9	103.0
Connecticut	106.4	106.7	106.4	106.4	106.5	107.1	104.1	103.7	104.9	102.6
Delaware	99.5	98.8	100.1	98.7	99.1	98.6	99.2	98.8	96.5	97.7
Dist. of Columbia	110.7	113.2	113.4	112.4	110.7	110.1	111.7	109.5	111.3	111.3
Florida	101.3	101.0	101.0	101.5	101.5	101.0	100.5	99.8	100.7	101.4
Georgia	95.7	95.3	95.3	95.1	95.5	95.3	94.8	94.3	94.4	95.8
<b>Hawaii</b>	<b>109.2</b>	<b>111.7</b>	<b>110.8</b>	<b>111.4</b>	<b>110.6</b>	<b>110.4</b>	<b>110.8</b>	<b>111.6</b>	<b>112.7</b>	<b>113.2</b>
Idaho	93.6	93.4	94.2	94.4	92.8	94.5	91.7	92.5	91.0	91.8
Illinois	101.3	100.6	100.0	99.2	99.8	100.5	100.6	99.5	100.6	101.4
Indiana	93.2	93.4	93.5	92.2	92.2	90.9	92.8	92.8	91.9	92.7
Iowa	91.3	91.7	92.1	89.9	90.3	89.3	91.8	91.7	90.3	89.6
Kansas	94.0	93.7	94.1	93.4	92.6	91.6	92.4	92.8	92.2	91.2
Kentucky	90.8	91.6	91.3	90.9	90.6	89.9	89.0	89.5	89.0	89.1
Louisiana	94.3	94.2	94.3	94.0	94.5	92.3	90.7	91.2	91.0	91.3
Maine	96.2	96.7	93.1	95.7	94.8	97.3	97.6	94.9	97.7	97.2
Maryland	107.1	108.2	107.7	107.7	106.9	106.8	106.4	105.2	106.4	106.2
Massachusetts	103.7	102.7	104.2	104.5	107.4	107.3	107.6	107.4	109.1	106.6

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**Table 14.02-- REGIONAL PRICE PARITIES (RPPs), ALL ITEMS, BY STATE, AND FOR HAWAII,  
BY COMPONENT: 2012 TO 2021 -- Con.**

State	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Michigan	94.7	95.1	95.5	93.8	93.6	92.6	94.4	95.3	94.6	94.3
Minnesota	97.6	97.9	98.7	97.4	97.2	96.8	99.7	99.0	97.8	98.4
Mississippi	89.1	89.8	89.8	89.2	89.2	87.7	86.1	86.5	85.8	86.6
Missouri	92.9	93.5	94.4	93.0	92.5	91.8	91.9	92.6	92.2	92.0
Montana	93.9	93.9	95.1	96.4	94.2	94.1	92.4	94.2	91.6	91.6
Nebraska	93.1	92.8	92.9	92.3	91.7	89.8	91.8	92.4	92.5	91.8
Nevada	101.7	99.8	99.2	98.6	97.4	100.0	96.2	98.8	97.1	95.5
New Hampshire	101.9	101.6	101.4	102.5	104.4	105.7	103.7	104.1	105.3	102.5
New Jersey	109.3	108.8	109.0	109.0	108.9	109.3	111.0	111.2	110.7	109.1
New Mexico	96.5	95.5	95.4	94.6	94.1	95.7	91.7	92.7	91.6	89.9
New York	109.5	109.4	108.7	109.5	109.9	109.9	109.6	109.6	110.1	109.5
North Carolina	93.8	94.2	94.3	93.9	94.3	93.2	92.8	91.9	91.4	93.8
North Dakota	93.8	93.1	93.5	92.8	91.7	88.6	91.2	93.4	92.2	91.1
Ohio	93.2	93.3	93.2	92.4	92.6	91.9	93.0	93.3	92.1	92.5
Oklahoma	92.3	92.4	92.6	92.1	92.1	90.9	89.8	89.6	89.8	90.3
Oregon	100.4	99.8	99.0	100.2	99.2	101.5	104.6	103.9	103.4	103.0
Pennsylvania	98.1	97.9	97.3	98.3	97.8	99.1	98.2	98.1	97.8	96.4
Rhode Island	99.2	101.0	99.4	100.9	100.7	102.5	102.3	102.4	102.0	102.1
South Carolina	93.4	93.8	93.5	93.7	94.4	92.9	92.2	91.6	91.0	93.7
South Dakota	91.2	90.2	90.5	89.2	89.3	87.6	91.4	91.9	90.7	90.1
Tennessee	93.8	93.6	93.2	93.1	94.3	93.1	89.6	91.2	90.5	90.9
Texas	98.1	98.5	98.8	98.9	98.4	97.4	97.8	98.5	98.7	98.5
Utah	99.3	98.6	97.7	97.6	96.6	98.8	95.8	97.1	95.2	94.6
Vermont	99.4	99.9	98.3	100.1	99.5	100.3	100.3	99.5	102.1	98.7
Virginia	102.6	103.6	103.6	103.8	103.0	101.5	102.1	100.2	101.1	102.3
Washington	102.4	102.1	103.3	103.4	104.8	107.5	107.2	108.0	107.9	108.9
West Virginia	89.2	90.0	90.3	91.0	90.5	88.8	89.2	88.3	87.4	90.8
Wisconsin	94.2	94.0	94.2	93.5	93.6	93.5	94.0	94.5	92.7	93.3
Wyoming	97.1	96.7	97.8	97.9	97.7	97.0	92.2	93.8	91.4	91.4

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (December 15, 2022) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed July 5, 2023. See also "Real Personal Income for States and Metropolitan Areas, 2021" <[https://www.bea.gov/sites/default/files/2020-12/rpp1220\\_0.pdf](https://www.bea.gov/sites/default/files/2020-12/rpp1220_0.pdf)> accessed July 5, 2023.



**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE: 2012 TO 2021**

[Calculated as personal income divided by real personal income. Base year is 2012. 2017 to 2020 revised from previous *Data Book*]

State	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Alabama	91.2	92.2	93.6	93.1	94.9	95.4	94.4	97.1	97.2	101.9
Alaska	103.6	104.0	106.4	107.7	109.4	111.3	113.2	113.0	112.0	120.8
Arizona	98.4	100.1	100.9	101.0	103.1	103.7	105.6	107.6	110.4	111.8
Arkansas	90.0	91.4	92.5	92.6	93.6	93.6	94.5	96.4	98.2	103.4
California	108.5	109.7	111.5	112.7	113.0	117.6	121.2	122.0	124.4	129.3
Colorado	102.9	104.4	105.2	105.9	106.5	109.2	108.5	112.6	115.4	119.1
Connecticut	106.4	108.2	109.5	109.7	111.0	113.6	112.8	114.0	116.6	118.6
Delaware	99.5	100.2	103.0	101.8	103.2	104.6	107.5	108.6	107.3	112.9
Dist. of Col.	110.7	114.8	116.7	116.0	115.3	116.8	121.0	120.4	123.7	128.7
Florida	101.3	102.4	104.0	104.7	105.7	107.1	108.8	109.8	111.9	117.3
Georgia	95.7	96.6	98.1	98.1	99.5	101.1	102.6	103.7	104.9	110.7
<b>Hawaii</b>	<b>109.2</b>	<b>113.2</b>	<b>114.0</b>	<b>114.9</b>	<b>115.2</b>	<b>117.1</b>	<b>120.1</b>	<b>122.7</b>	<b>125.3</b>	<b>130.9</b>
Idaho	93.6	94.7	96.9	97.4	96.7	100.2	99.3	101.7	101.1	106.1
Illinois	101.3	102.0	102.8	102.2	103.9	106.6	108.9	109.4	111.8	117.3
Indiana	93.2	94.7	96.2	95.1	96.0	96.4	100.5	102.0	102.1	107.2
Iowa	91.3	92.9	94.7	92.7	94.0	94.7	99.4	100.8	100.3	103.6
Kansas	94.0	94.9	96.8	96.3	96.5	97.1	100.1	102.0	102.5	105.4
Kentucky	90.8	92.8	93.9	93.7	94.3	95.3	96.4	98.4	99.0	103.0
Louisiana	94.3	95.5	97.1	96.9	98.4	97.9	98.3	100.3	101.1	105.5
Maine	96.2	98.0	95.8	98.7	98.8	103.2	105.7	104.3	108.6	112.4
Maryland	107.1	109.6	110.8	111.1	111.3	113.3	115.2	115.6	118.3	122.8
Massachusetts	103.7	104.1	107.2	107.8	111.9	113.8	116.6	118.0	121.3	123.2
Michigan	94.7	96.4	98.3	96.7	97.5	98.2	102.2	104.8	105.1	109.0
Minnesota	97.6	99.2	101.6	100.5	101.2	102.6	108.0	108.8	108.7	113.8
Mississippi	89.1	91.0	92.4	92.0	92.9	93.0	93.3	95.1	95.4	100.1
Missouri	92.9	94.8	97.1	95.9	96.3	97.4	99.6	101.8	102.5	106.4
Montana	93.9	95.2	97.9	99.4	98.1	99.8	100.0	103.6	101.9	105.9

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**Table 14.03-- IMPLICIT REGIONAL PRICE DEFLATOR, BY STATE: 2012 TO 2021 -- Con.**

State	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Nebraska	93.1	94.1	95.6	95.1	95.5	95.2	99.4	101.6	102.8	106.1
Nevada	101.7	101.1	102.1	101.7	101.4	106.0	104.2	108.6	107.9	110.5
New Hampshire	101.9	103.0	104.3	105.7	108.7	112.0	112.4	114.4	117.0	118.5
New Jersey	109.3	110.3	112.1	112.4	113.4	116.0	120.2	122.3	123.0	126.1
New Mexico	96.5	96.8	98.2	97.6	98.0	101.5	99.3	102.0	101.8	104.0
New York	109.5	110.9	111.9	112.9	114.4	116.5	118.7	120.5	122.4	126.6
North Carolina	93.8	95.5	97.0	96.9	98.2	98.8	100.6	101.0	101.6	108.5
North Dakota	93.8	94.4	96.2	95.7	95.5	94.0	98.8	102.6	102.5	105.3
Ohio	93.2	94.5	95.9	95.3	96.5	97.5	100.7	102.5	102.4	106.9
Oklahoma	92.3	93.7	95.3	94.9	95.9	96.4	97.3	98.5	99.8	104.4
Oregon	100.4	101.1	101.8	103.3	103.3	107.6	113.3	114.2	115.0	119.1
Pennsylvania	98.1	99.2	100.1	101.3	101.9	105.1	106.3	107.8	108.7	111.4
Rhode Island	99.2	102.3	102.3	104.0	104.9	108.7	110.8	112.6	113.3	118.0
South Carolina	93.4	95.1	96.2	96.7	98.3	98.5	99.9	100.7	101.2	108.3
South Dakota	91.2	91.4	93.1	92.0	93.0	92.9	99.0	101.0	100.8	104.2
Tennessee	93.8	94.8	95.9	96.0	98.2	98.7	97.0	100.3	100.6	105.0
Texas	98.1	99.8	101.6	102.0	102.5	103.3	106.0	108.3	109.7	113.9
Utah	99.3	99.9	100.6	100.7	100.6	104.7	103.8	106.8	105.8	109.4
Vermont	99.4	101.2	101.1	103.2	103.6	106.3	108.6	109.3	113.4	114.1
Virginia	102.6	105.0	106.6	107.0	107.3	107.6	110.6	110.1	112.4	118.3
Washington	102.4	103.5	106.3	106.6	109.2	114.0	116.1	118.8	119.9	125.9
West Virginia	89.2	91.2	92.9	93.8	94.2	94.2	96.6	97.1	97.1	104.9
Wisconsin	94.2	95.3	96.9	96.4	97.5	99.2	101.8	103.9	103.0	107.9
Wyoming	97.1	98.0	100.6	100.9	101.8	102.9	99.9	103.1	101.6	105.7

Source: U.S. Bureau of Economic Analysis, State Real Personal Income (December 15, 2022) <<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>> accessed December 14, 2021. See also "Real Personal Income for States and Metropolitan Areas, 2020" <<https://www.bea.gov/sites/default/files/2022-12/rpp1222.pdf>> accessed December 15, 2022.

**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES: 1940 TO 2022**

[1982-1984 average = 100. Excludes rent before 1963]

Year	Urban Hawaii 1/		United States	
	Annual average	Percent chg. 2/	Annual average	Percent chg. 2/
1940	14.7	(X)	14.0	0.7
1941	15.5	5.4	14.7	5.0
1942	17.6	13.5	16.3	10.9
1943	18.9	7.4	17.3	6.1
1944	19.2	1.6	17.6	1.7
1945	19.7	2.6	18.0	2.3
1946	21.0	6.6	19.5	8.3
1947	24.4	16.2	22.3	14.4
1948	25.7	5.3	24.1	8.1
1949	25.2	-1.9	23.8	-1.2
1950	24.3	-3.6	24.1	1.3
1951	25.7	5.8	26.0	7.9
1952	26.5	3.1	26.5	1.9
1953	26.7	0.8	26.7	0.8
1954	26.9	0.7	26.9	0.7
1955	27.3	1.5	26.8	-0.4
1956	27.7	1.5	27.2	1.5
1957	28.6	3.2	28.1	3.3
1958	30.0	4.9	28.9	2.8
1959	30.5	1.7	29.1	0.7
1960	31.3	2.6	29.6	1.7
1961	32.1	2.6	29.9	1.0
1962	32.8	2.2	30.2	1.0
1963	33.5	2.1	30.6	1.3
1964	33.7	0.6	31.0	1.3
1965	34.4	2.1	31.5	1.6
1966	35.3	2.6	32.4	2.9
1967	36.3	2.8	33.4	3.1
1968	37.7	3.9	34.8	4.2
1969	39.4	4.5	36.7	5.5
1970	41.5	5.3	38.8	5.7
1971	43.2	4.1	40.5	4.4
1972	44.6	3.2	41.8	3.2
1973	46.6	4.5	44.4	6.2
1974	51.5	10.5	49.3	11.0
1975	56.3	9.3	53.8	9.1

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**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES: 1940 TO 2022 -- Con.**

Year	Urban Hawaii 1/		United States	
	Annual average	Percent chg. 2/	Annual average	Percent chg. 2/
1976	59.1	5.0	56.9	5.8
1977	62.1	5.1	60.6	6.5
1978	66.9	7.7	65.2	7.6
1979	74.3	11.1	72.6	11.3
1980	83.0	11.7	82.4	13.5
1981	91.7	10.5	90.9	10.3
1982	97.2	6.0	96.5	6.2
1983	99.3	2.2	99.6	3.2
1984	103.5	4.2	103.9	4.3
1985	106.8	3.2	107.6	3.6
1986	109.4	2.4	109.6	1.9
1987	114.9	5.0	113.6	3.6
1988	121.7	5.9	118.3	4.1
1989	128.7	5.8	124.0	4.8
1990	138.1	7.3	130.7	5.4
1991	148.0	7.2	136.2	4.2
1992	155.1	4.8	140.3	3.0
1993	160.1	3.2	144.5	3.0
1994	164.5	2.7	148.2	2.6
1995	168.1	2.2	152.4	2.8
1996	170.7	1.5	156.9	3.0
1997	171.9	0.7	160.5	2.3
1998	171.5	-0.2	163.0	1.6
1999	173.3	1.0	166.6	2.2
2000	176.3	1.7	172.2	3.4
2001	178.4	1.2	177.1	2.8
2002	180.3	1.1	179.9	1.6
2003	184.5	2.3	184.0	2.3
2004	190.6	3.3	188.9	2.7
2005	197.8	3.8	195.3	3.4
2006	209.4	5.9	201.6	3.2
2007	219.504	4.8	207.342	2.8
2008	228.861	4.3	215.303	3.8
2009	230.048	0.5	214.537	-0.4
2010	234.869	2.1	218.056	1.6
2011	243.622	3.7	224.939	3.2
2012	249.474	2.4	229.594	2.1
2013	253.924	1.8	232.957	1.5

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**Table 14.04-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR URBAN HAWAII AND UNITED STATES: 1940 TO 2022 -- Con.**

Year	Urban Hawaii 1/		United States	
	Annual average	Percent chg. 2/	Annual average	Percent chg. 2/
2014	257.589	1.4	236.736	1.6
2015	260.165	1.0	237.017	0.1
2016	265.283	2.0	240.007	1.3
2017	272.014	2.5	245.120	2.1
2018	277.078	1.9	251.107	2.4
2019	281.585	1.6	255.657	1.8
2020	286.008	1.6	258.811	1.2
2021	296.818	3.8	270.970	4.7
2022	316.076	6.5	292.655	8.0

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 12, 2023.

**Table 14.05-- CONSUMER PRICE INDEX- ALL ITEMS, BY TYPE OF CONSUMER, FOR URBAN HAWAII: SEMI-ANNUAL AND ANNUAL AVERAGE, 2007 TO 2022**

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
2020	286.008	285.086	286.931	283.176	282.315	284.037
2021	296.818	292.475	301.161	294.502	290.194	298.811
2022	316.076	312.137	320.016	314.319	310.117	318.521
Percent 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
2020	1.6	1.6	1.6	1.9	2.0	1.8
2021	3.8	2.6	5.0	4.0	2.8	5.2
2022	6.5	6.7	6.3	6.7	6.9	6.6

1/ From same period in previous year.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (CPI-U) and Consumer Price Index-Urban Wage Earners and Clerical Workers (CPI-W), All Items <<http://www.bls.gov/cpi/home.htm>> and, for 2009 to 2022, <[https://www.bls.gov/regions/west/data/cpi\\_tables.pdf](https://www.bls.gov/regions/west/data/cpi_tables.pdf)> accessed January 12, 2023.

**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, 2019 TO 2022**

[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	2019	2020	2021	2022
All items	281.585	286.008	296.818	316.076
Food and beverages	287.622	301.370	312.618	338.162
Food	288.541	302.024	313.001	340.549
Food at home	276.432	295.849	309.044	338.264
Cereals and bakery products	310.230	323.041	337.120	379.887
Meats, poultry, fish, and eggs	257.442	273.842	305.989	329.079
Dairy and related products	236.764	244.631	244.375	270.430
Fruits and vegetables	342.584	372.534	373.721	402.299
Other food at home	262.397	285.187	287.045	322.942
Food away from home	295.250	301.157	309.129	333.310
Nonalc. bev. & bev. materials 1/	344.405	372.005	408.597	434.429
Alcoholic beverages	270.301	(NA)	304.801	297.150
Housing	307.889	314.089	323.600	338.500
Shelter	335.875	344.244	354.402	363.820
Rent of primary residence	325.794	341.571	347.912	359.727
Owners' equiv. rent of residences 2/	349.297	354.081	362.730	370.464
Owners' equiv. rent of prim. res. 2/	349.297	354.081	362.730	370.464
Fuel and utilities	368.109	358.312	377.189	460.241
Household energy 3/	293.676	272.792	294.786	395.610
Energy services 4/	288.611	267.984	289.294	388.231
Electricity	285.442	265.360	285.240	384.208
Utility (piped) gas service	300.105	271.268	321.059	398.558
Household furnishings & operation	146.721	150.351	151.982	159.999
Household furn. and supplies 5/	83.947	85.154	85.289	90.489
Apparel	114.795	113.298	109.057	110.427
Transportation	223.689	212.767	237.344	272.141
Private transportation	223.651	215.510	243.452	282.283
Transp. comm. less motor fuel 5/	101.804	101.798	113.082	124.079
New and used motor vehicles 6/	104.538	102.827	114.220	125.961
New vehicles 1/	166.341	164.771	171.693	184.081
Used cars and trucks 1/	241.524	247.692	310.966	351.083
Motor fuel	262.456	240.369	303.780	402.030
Gasoline (all types)	269.292	246.639	311.824	412.564
Gasoline, unleaded regular 7/	280.961	255.269	322.823	428.798
Gasoline, unleaded midgrade 7/ 8/	225.556	217.791	260.461	341.948
Gasoline, unleaded premium 7/	246.794	232.371	295.717	385.103
Motor vehicle insurance 1/	484.605	450.955	457.720	(NA)

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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, 2019 TO 2022 -- Con.**

Group	2019	2020	2021	2022
Medical care	(NA)	(NA)	438.199	(NA)
Recreation 8/	130.977	135.660	138.901	141.639
Education and communication 6/	143.547	147.241	151.058	153.306
Educ. and comm. commodities 5	70.246	65.031	57.495	61.482
Educ. and comm. services 5/	119.749	124.168	128.474	129.637
Tuition, other sch. fees, & childcare 1/	1,773.925	1,805.277	1,851.118	1,909.116
Other goods and services	504.378	498.753	525.471	558.353
Other goods 5/	117.856	114.363	121.893	131.378
Other personal services 5/	131.774	132.098	(NA)	(NA)
Commodity and service group				
All items	281.585	286.008	296.818	316.076
Commodities	206.547	209.123	220.232	243.420
Commodities less food & bev.	157.421	153.792	164.568	185.610
Nondurables less food & bev.	199.496	192.360	205.909	239.395
Durables	111.732	111.044	118.770	129.626
Services	347.082	353.103	363.728	380.199
Special aggregate indexes				
All items less shelter	257.895	260.333	271.697	296.918
All items less medical care	273.841	278.061	289.176	307.373
All items less energy	283.781	289.805	298.626	312.836
All items less food and energy	284.780	289.337	297.788	309.736
Energy	274.053	253.187	297.749	397.282
Commodities less food	161.599	158.614	169.582	190.009
Nondurables less food	203.900	198.430	212.095	243.105
Nondurables	245.100	249.431	261.604	290.736
Services less rent of shelter 2/	359.254	361.245	372.396	400.461
Services less medical care services	339.015	344.333	355.236	370.598

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 January 12, 2023.



**Table 14.07-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), FOR HONOLULU AND THE UNITED STATES: DECEMBER 2021 AND 2022**

[Percent of all items. 2021 based on the 2019-2020 weights and 2022 based on the 2020-2021 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	2021 CPI-U		2022 CPI-U	
	Honolulu	United States	Honolulu	United States
Relative importance of area	0.458	100.000	0.409	100.000
Expenditure category				
All items	100.000	100.000	100.000	100.000
Food and beverages	14.614	14.259	14.702	14.376
Food	13.812	13.370	14.099	13.531
Food at home	8.443	8.165	8.300	8.728
Cereals and bakery products	(NA)	1.030	(NA)	1.164
Meats, poultry, fish, and eggs	(NA)	1.888	(NA)	1.847
Meats, poultry, and fish	(NA)	1.779	(NA)	1.681
Dairy and related products	(NA)	0.752	(NA)	0.818
Fruits and vegetables	(NA)	1.408	(NA)	1.512
Other food at home	(NA)	2.153	(NA)	2.347
Food away from home	5.369	5.205	5.799	4.803
Alcoholic beverages	0.802	0.889	0.604	0.845
Housing	50.375	42.363	51.153	44.384
Shelter	42.297	32.946	41.586	34.413
Rent of primary residence	11.706	7.398	11.420	7.528
Tenants' and household insurance	(NA)	0.383	(NA)	0.376
Owners' equivalent rent of residences	29.177	24.251	29.521	25.424
Owners' equivalent rent of primary res.	28.376	22.988	29.289	24.038
Lodging away from home	(NA)	0.914	(NA)	1.085
Fuels and utilities	4.838	4.637	6.131	4.702
Household energy	3.127	3.526	4.408	3.646
Fuel oil and other fuels	(NA)	0.192	(NA)	0.215
Fuel oil	(NA)	0.115	(NA)	0.150
Propane, kerosene, and firewood	(NA)	0.077	(NA)	0.065
Energy services 1/	3.069	3.334	4.257	3.431
Electricity	2.927	2.454	4.025	2.541
Utility (piped) gas service	0.142	0.879	0.232	0.890
Water & sewer & trash collection serv.	(NA)	1.111	(NA)	1.056
Household furnishings and operations	3.240	4.780	3.436	5.269

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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 2021 AND 2022 -- Con.**

Group	2021 CPI-U		2022 CPI-U	
	Honolulu	United States	Honolulu	United States
Expenditure category - Con.				
Apparel	1.591	2.458	1.138	2.479
Men's and boys' apparel	(NA)	0.625	(NA)	0.645
Women's and girls' apparel	(NA)	0.952	(NA)	1.008
Footwear	(NA)	0.610	(NA)	0.506
Infants' and toddlers' apparel	(NA)	0.113	(NA)	0.102
Jewelry and watches	(NA)	0.158	(NA)	0.219
Transportation	14.503	18.182	13.515	16.744
Private transportation	13.271	17.404	12.901	15.959
Motor fuel	3.487	3.822	3.761	3.275
Gasoline (all types)	3.477	3.748	3.689	3.172
Public transportation 2/	1.232	0.777	0.614	0.785
Medical care	6.831	8.487	7.768	8.108
Medical care commodities 3/	1.154	1.524	1.697	1.455
Medical care services 3/	5.677	6.962	6.071	6.653
Recreation	3.722	5.108	3.937	5.385
Education and communication	6.329	6.406	5.545	5.845
Other goods and services	2.034	2.737	2.241	2.677
Personal care	(NA)	2.211	(NA)	2.183
Commodity and service group 4/				
All items	100.000	100.000	100.000	100.000
Commodities	31.833	39.083	32.976	38.382
Commodities less food and beverages	17.218	24.824	18.274	24.006
Nondurables less food and beverages	8.839	11.767	9.903	11.360
Durables	8.379	13.057	8.371	12.646
Services	68.167	60.917	67.024	61.618

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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 2021 AND 2022 -- Con.**

Group	2021 CPI-U		2022 CPI-U	
	Honolulu	United States	Honolulu	United States
Special aggregate indexes 4/				
All items less shelter	57.703	67.054	58.414	65.587
All items less medical care	93.169	91.513	92.232	91.892
All items less energy	93.386	92.652	91.830	93.079
All items less food and energy	79.574	79.282	77.732	79.548
Energy	6.614	7.348	8.170	6.921
Commodities less food	18.020	25.713	18.877	24.851
Nondurables less food	9.641	12.656	10.507	12.205
Nondurables	23.453	26.027	24.605	25.737
Services less rent of shelter	26.154	28.354	25.779	27.581
Rent of shelter 5/	42.013	32.563	41.245	34.037
Services less medical care services	62.490	53.954	60.953	54.964

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 5, 2023.

**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 TERRITORY OF PUERTO RICO: 2021**

[Data based on sample. Rank of 1 indicates highest percentage. Areas sorted in order of highest rank in 2021. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021* nor *2022*. For more information on the experimental data, see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-acs-1-year-data.html>>]

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	1,191	30.6	(X)				
Florida	1,348	34.6	1	Washington	1,484	29.6	26
<b>Hawaii</b>	<b>1,774</b>	<b>33.7</b>	<b>2</b>	North Carolina	1,026	29.4	27
Louisiana	924	33.5	3	Rhode Island	1,142	29.4	27
California	1,750	33.1	4	Minnesota	1,113	29.3	29
Nevada	1,311	33.0	5	Tennessee	981	29.3	29
New York	1,409	31.8	6	Utah	1,208	29.3	29
Colorado	1,491	31.6	7	Illinois	1,106	29.2	32
Mississippi	831	31.3	8	Dist. of Columbia	1,668	29.1	33
Connecticut	1,277	31.2	9	Maine	945	29.1	33
Maryland	1,473	31.2	9	Pennsylvania	1,036	29.1	33
New Jersey	1,457	30.9	11	Wyoming	889	29.1	33
Oregon	1,282	30.9	11	Indiana	905	28.6	37
Puerto Rico	504	30.9	(X)	Idaho	1,035	28.5	38
Arizona	1,253	30.8	13	Oklahoma	855	28.5	38
Georgia	1,153	30.8	13	Nebraska	912	28.4	40
Massachusetts	1,487	30.8	13	Kentucky	830	28.3	41
South Carolina	976	30.5	16	New Hampshire	1,263	28.2	42
Texas	1,167	30.5	16	Missouri	882	28.1	43
Delaware	1,208	30.1	18	Arkansas	820	28.0	44
Michigan	969	30.1	18	Iowa	847	27.8	45
Alabama	861	30.0	20	Ohio	870	27.7	46
Vermont	1,115	30.0	20	Wisconsin	921	27.1	47
Alaska	1,259	29.9	22	Kansas	904	26.8	48
West Virginia	767	29.9	22	Montana	883	26.2	49
Virginia	1,331	29.8	24	North Dakota	839	25.1	50
New Mexico	906	29.6	25	South Dakota	830	25.1	50

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**Table 14.08-- MEDIAN GROSS RENT AMOUNT AND AS PERCENTAGE OF HOUSEHOLD INCOME FOR THE UNITED STATES, THE 50 STATES, THE DISTRICT OF COLUMBIA, AND TERRITORY OF PUERTO RICO: 2021 -- Con.**

X Not applicable.

Source: U.S. Census Bureau, 2021 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 March 6, 2023; 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: 2018, 2019 AND 2021**

[Data based on a sample. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021* or *Data Book 2022*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-acs-1-year-data.html>>]

Category and year	Hawaii	United States
Specified owner-occupied		
2018	265,364	77,708,394
2019	279,960	78,724,862
2021	306,653	83,396,988
Specified owner-occupied with a mortgage		
2018: Number	170,872	48,126,102
Percent	64.4	61.9
2019: Number	180,304	48,603,972
Percent	64.4	61.7
2021: Number	196,857	51,114,260
Percent	64.2	61.3
Specified owner-occupied without a mortgage		
2018: Number	94,492	29,582,292
Percent	35.6	38.1
2019: Number	99,656	30,120,890
Percent	35.6	38.3
2021: Number	109,796	32,282,728
Percent	35.8	38.7
Median selected monthly owner costs (in dollars)		
With a mortgage: 2018	2,354	1,566
2019	2,472	1,609
2021	2,584	1,672
Without a mortgage: 2017	497	475
2018	519	498
2019	542	505
2021	596	539
Median selected monthly owner costs as a percentage of household income		
With a mortgage: 2018	25.3	21.2
2019	26.4	20.8
2021	26.1	20.8
Without a mortgage: 2018	(1/)	11.5
2019	(1/)	10.8
2021	(1/)	11.0

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**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: 2018, 2019 AND 2021 -- Con.**

1/ The median falls in the lowest interval of an open-ended distribution.

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates for the United States and Hawaii, Universe: Owner-occupied housing units "B25081 Mortgage Status" (annual), "B25088 Median Selected Monthly Owner Costs (Dollars) by Mortgage Status" (annual), and "B25092 Median Selected Monthly Owner Costs as a Percentage of Household Income in the Past 12 Months" (annual) <<http://data.census.gov/>> accessed July 14, 2023; 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: 2019 AND 2021**

[In dollars and percent. Data based on a sample. The U.S. Census Bureau did not release its standard 1-year estimates from the 2020 American Community Survey (ACS) because of the impacts of the COVID-19 pandemic on data collection. The Census Bureau released selected experimental estimates developed from 2020 ACS 1-year that are not reflected in *Data Book 2021*. For more information on the experimental data, please see <<https://www.census.gov/newsroom/press-releases/2021/experimental-2020-acs-1-year-data.html>>]

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	
	2019	2021	2019	2021	2019	2021	2019	2021
United States	1,609	1,672	505	539	20.8	20.8	10.8	11.0
Alabama	1,172	1,223	362	379	18.9	18.9	(1/)	(1/)
Alaska	1,882	1,926	577	619	21.7	21.8	(1/)	(1/)
Arizona	1,457	1,544	421	440	20.6	20.6	(1/)	(1/)
Arkansas	1,094	1,147	348	372	18.7	18.7	(1/)	(1/)
California	2,421	2,523	622	694	24.7	24.7	10.5	11.2
Colorado	1,845	1,962	495	551	21.5	21.9	(1/)	(1/)
Connecticut	2,087	2,083	912	926	22.4	21.8	14.2	13.8
Delaware	1,557	1,585	463	463	20.2	20.5	(1/)	(1/)
Dist. Of Col.	2,684	2,639	720	748	21.0	20.5	(1/)	(1/)
Florida	1,530	1,616	512	548	22.7	22.8	11.5	11.9
Georgia	1,450	1,501	431	457	19.9	19.6	(1/)	(1/)
<b>Hawaii</b>	<b>2,472</b>	<b>2,584</b>	<b>542</b>	<b>596</b>	<b>26.4</b>	<b>26.1</b>	<b>(1/)</b>	<b>(1/)</b>
Idaho	1,306	1,425	380	419	20.2	20.4	(1/)	(1/)
Illinois	1,688	1,717	641	666	20.6	20.7	12.2	12.4
Indiana	1,146	1,195	416	437	18.0	18.0	(1/)	(1/)
Iowa	1,266	1,328	503	521	18.7	18.7	11.1	10.8
Kansas	1,387	1,446	513	534	19.0	19.3	11.1	11.2
Kentucky	1,179	1,227	372	405	18.9	19.0	(1/)	10.3
Louisiana	1,279	1,349	342	372	19.2	20.2	(1/)	(1/)
Maine	1,387	1,464	510	521	20.6	20.0	12.4	11.8
Maryland	2,015	2,013	613	638	21.0	20.3	(1/)	10.0
Massachusetts	2,276	2,323	828	871	22.1	21.8	13.2	13.3
Michigan	1,285	1,348	487	521	19.2	19.2	11.3	11.7
Minnesota	1,595	1,667	552	590	19.3	19.6	10.4	10.4

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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: 2019 AND 2021 -- 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	
	2019	2021	2019	2021	2019	2021	2019	2021
Mississippi	1,149	1,200	352	356	19.7	19.7	10.0	(1/)
Missouri	1,271	1,316	446	465	19.0	18.9	10.5	10.3
Montana	1,466	1,558	450	476	21.8	21.3	10.5	10.6
Nebraska	1,427	1,491	535	562	19.4	19.5	11.2	11.3
Nevada	1,589	1,625	423	456	21.8	21.9	(1/)	(1/)
New Hampshire	1,963	2,004	819	860	22.1	21.3	14.3	14.0
New Jersey	2,413	2,458	1,043	1,081	23.3	23.4	15.0	15.0
New Mexico	1,269	1,354	350	386	21.1	20.8	(1/)	(1/)
New York	2,156	2,199	781	813	22.1	22.5	12.8	13.4
North Carolina	1,318	1,387	398	420	19.3	19.3	(1/)	(1/)
North Dakota	1,430	1,488	489	494	18.4	19.3	(1/)	(1/)
Ohio	1,250	1,293	478	503	18.5	18.5	10.9	11.0
Oklahoma	1,231	1,295	403	431	18.9	19.4	(1/)	10.0
Oregon	1,750	1,835	557	595	22.4	22.5	11.6	11.9
Pennsylvania	1,477	1,505	534	544	19.6	19.0	11.6	11.4
Rhode Island	1,837	1,932	736	762	22.4	22.3	12.8	13.4
South Carolina	1,250	1,289	372	382	19.2	19.4	(1/)	(1/)
South Dakota	1,371	1,415	490	525	19.7	20.5	10.5	10.3
Tennessee	1,264	1,333	387	398	19.4	19.6	(1/)	10.0-
Texas	1,675	1,765	527	567	20.9	21.5	11.0	11.4
Utah	1,605	1,671	431	480	20.7	20.2	(1/)	(1/)
Vermont	1,606	1,664	668	729	22.0	21.7	14.0	13.9
Virginia	1,792	1,818	478	494	20.5	20.1	(1/)	(1/)
Washington	1,951	2,110	604	667	22.4	22.2	10.6	11.0
West Virginia	1,052	1,071	321	338	17.8	17.4	(1/)	(1/)
Wisconsin	1,412	1,464	545	574	19.4	19.5	11.4	11.6
Wyoming	1,417	1,490	419	456	19.5	21.1	(1/)	(1/)
Puerto Rico	828	823	142	148	26.4	24.9	(1/)	(1/)

1/ The median falls in the lowest interval of an open-ended distribution.

Source: U.S. Census Bureau, American Community Survey 1-Year Estimates for the United States and Hawaii, Universe: Owner-occupied housing units "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 14, 2023.

**Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: ONE-YEAR, FIVE-YEAR, AND 1991 TO 2022**

[In percent change from previous period and number. Period ending 2022 4th quarter unless otherwise indicated. The House Price Index (HPI) 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/	8.41	(X)	58.44	289.08
Florida	15.22	1	85.08	428.15
North Carolina	13.38	2	75.67	296.06
South Carolina	12.92	3	71.21	290.54
<b>Hawaii</b>	<b>12.81</b>	<b>4</b>	<b>56.10</b>	<b>286.04</b>
Maine	12.21	5	76.87	318.71
Tennessee	11.96	6	79.15	340.04
Montana	11.94	7	79.13	570.41
Delaware	11.90	8	56.46	205.29
Georgia	11.35	9	72.99	283.73
Arkansas	10.64	10	56.22	229.70
New Mexico	10.44	11	56.16	264.44
Kentucky	10.27	12	54.17	250.63
Alabama	10.25	13	61.58	237.16
South Dakota	10.14	14	59.59	350.76
Wisconsin	10.03	15	58.75	284.54
Oklahoma	9.83	16	51.82	249.79
Virginia	9.77	17	52.58	272.23
Texas	9.71	18	58.72	332.09
Indiana	9.54	19	61.76	218.31
Iowa	9.50	20	42.71	235.28
Nebraska	9.47	21	54.37	285.55
Connecticut	9.42	22	48.79	149.58
New Hampshire	9.22	23	66.24	296.31
West Virginia	9.08	24	41.66	191.93
Missouri	8.92	25	57.36	250.01
New York	8.78	26	51.57	249.90
Ohio	8.70	27	58.43	198.79
Vermont	8.58	28	55.18	260.28
New Jersey	8.27	29	52.44	245.35
Pennsylvania	8.12	30	50.24	220.84
Mississippi	7.75	31	48.74	190.26

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**Table 14.11-- SINGLE-FAMILY HOME PRICE APPRECIATION FOR THE UNITED STATES, THE 50 STATES, AND THE DISTRICT OF COLUMBIA: ONE-YEAR, FIVE-YEAR, AND 1991 TO 2022 -- Con.**

State	One-year 1/ (percent)	Rank 2/	Five-year (percent)	Since 1991, 1st quarter (percent)
Kansas	7.58	32	51.73	249.36
Wyoming	7.34	33	50.15	390.21
Illinois	7.05	34	38.01	168.19
Michigan	6.74	35	55.67	229.33
Maryland	6.55	36	37.71	232.31
Arizona	6.32	37	82.32	436.80
North Dakota	6.18	38	31.08	297.64
Louisiana	6.01	39	31.30	255.94
Rhode Island	5.98	40	59.22	246.18
Colorado	5.71	41	58.55	574.42
Alaska	5.63	42	34.86	236.84
Massachusetts	5.49	43	50.80	308.93
Minnesota	4.98	44	45.30	292.34
Nevada	4.25	45	64.58	291.08
Utah	4.14	46	82.56	587.96
Washington	3.70	47	66.39	456.75
Oregon	3.56	48	53.86	511.75
Idaho	3.11	49	103.98	505.38
California	2.26	50	50.11	300.01
District of Columbia	-0.78	51	23.84	524.68

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 8.4 Percent over the Last Year; Up 0.3 Percent from the Third Quarter" pp. 16-17 (February 28, 2023)

<<https://www.fhfa.gov/DataTools/Downloads/Pages/House-Price-Index.aspx>> accessed March 6, 2023.

**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: 2021 TO 2023**

[The CNBC survey scored all 50 states on as many as 88 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. No report issued for 2020. Sorted for highest 2023 category weights]

Category	2021			2022			2023		
	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank	Category wt. 1/	Score	Rank
Overall	2,500	1,011	49	2,500	1,055	46	2,500	1,032	47
Workforce	325	194	18	410	229	19	400	188	40
Infrastructure 2/	375	162	39	380	165	39	390	154	43
Economy	250	51	49	325	102	48	360	145	41
Life, health, & inclusion	375	284	2	325	262	3	350	263	5
Cost of doing business	400	65	50	345	41	50	290	36	50
Tech. & innovation 3/	175	54	41	250	89	40	270	105	39
Business friendliness	200	84	36	200	84	35	215	74	36
Education	150	74	31	165	74	38	125	60	36
Access to capital	175	41	41	50	8	49	50	5	50
Cost of living	75	2	50	50	1	50	50	2	50

1/ Weighting reevaluated for each study. See "America's Top States for Business: Our methodology and sources" for 2021 <<https://www.cnbc.com/2021/06/17/how-we-chose-americas-top-states-for-business-top-states-for-business-in-2021.html>> accessed July 15, 2021; for 2022 <<https://www.cnbc.com/2022/06/13/how-we-are-choosing-americas-top-states-for-business-in-2022.html>> accessed July 13, 2022; and for 2023 <<https://www.cnbc.com/2023/06/15/how-we-are-choosing-americas-top-states-for-business-in-2023.html>> accessed July 14, 2023.

2/ Is variously 'Infrastructure' or 'Infrastructure & transportation'.

3/ The 2022 category expanded on the former 'Quality of Life' to assess additional livability factors, i.e. availability of child care; and to 'Technology & Innovation' had been added metrics on how friendly the states are toward emerging industries including cryptocurrency and cannabis.

Source: CNBC "America's Top Ten States for Business: 2021 (July 13, 2021) <<https://www.cnbc.com/americas-top-states-for-business/>> and "Hawaii" <<https://www.cnbc.com/2021/07/13/top-states-for-business-hawaii.html>> accessed July 15, 2021; for 2022 (July 13, 2022) <<https://www.cnbc.com/2022/07/13/americas-top-states-for-business-2022-the-full-rankings.html>> and "Hawaii" <<https://www.cnbc.com/2022/07/13/top-states-for-business-2022-hawaii.html>> accessed July 13, 2022; and for 2023 (July 11, 2023) <<https://www.cnbc.com/2023/07/11/americas-top-states-for-business-2023-the-full-rankings.html>> and "Hawaii" <<https://www.cnbc.com/2023/07/11/top-states-for-business-hawaii.html>> accessed July 13, 2023.

**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE, BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA: 2021**

[Data collected during Child Care Aware of America's January 2022 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/	7,800	7,280	4,536	7,280	7,020	4,500
Alaska	11,760	9,600	6,143	9,624	8,364	5,400
Arizona 2/	12,405	9,129	4,183	8,224	7,737	3,993
Arkansas	7,431	6,014	2,484	6,032	5,463	2,588
California 2/	18,201	12,740	15,075	12,268	11,491	14,112
Colorado 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Connecticut	16,276	13,416	6,500	12,584	11,804	6,552
Delaware	13,130	10,634	4,570	8,876	7,952	3,554
Dist. of Columbia 2/	25,523	20,117	9,920	19,291	11,850	7,716
Florida	10,774	7,907	3,491	8,843	7,199	3,496
Georgia	9,227	7,899	3,254	7,284	6,594	3,097
<b>Hawaii</b>	<b>18,044</b>	<b>11,058</b>	<b>4,521</b>	<b>9,716</b>	<b>9,416</b>	<b>6,894</b>
Idaho	8,750	7,817	6,762	7,636	6,808	6,662
Illinois	15,600	11,440	(NA)	10,761	9,360	(NA)
Indiana	11,544	8,748	4,190	7,762	6,884	3,921
Iowa	11,459	9,356	3,405	7,636	7,269	2,605
Kansas	15,089	9,518	2,909	7,981	7,185	2,292
Kentucky	9,685	8,525	5,460	7,345	6,500	4,875
Louisiana 2/	8,580	7,800	4,956	6,825	6,500	4,425
Maine	11,960	8,580	5,460	8,580	7,800	4,875
Maryland	17,889	12,437	5,354	11,800	9,792	4,246
Massachusetts	21,269	15,768	4,409	12,999	11,789	6,868
Michigan 2/	13,458	11,315	(NA)	8,778	8,320	(NA)
Minnesota	17,056	13,416	(NA)	8,944	8,164	(NA)
Mississippi 2/	7,280	6,500	4,500	5,980	4,680	3,420
Missouri	10,555	7,465	4,933	5,949	5,432	4,159
Montana	11,700	10,400	4,446	9,100	9,100	3,861
Nebraska	16,640	14,560	5,850	11,440	10,400	4,950
Nevada 2/	13,420	11,090	(NA)	10,390	9,621	(NA)
New Hampshire	14,245	11,487	4,369	10,028	9,546	3,916
New Jersey 2/	17,460	15,120	5,175	10,800	9,600	6,876
New Mexico 2/	12,024	8,436	5,196	10,284	10,284	5,712
New York	18,574	15,371	11,144	15,766	15,080	10,120

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**Table 14.14-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE, BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA: 2021 -- Con.**

Area	Child care center			Family child care		
	Infant	4-year-old	School-age 1/	Infant	4-year-old	School-age 1/
North Carolina	11,202	9,359	4,369	9,027	8,258	4,392
North Dakota	9,925	8,952	(NA)	8,238	7,875	(NA)
Ohio	10,118	7,966	4,453	8,130	6,769	4,626
Oklahoma 2/	11,523	9,396	4,993	7,483	6,890	3,919
Oregon	15,786	10,800	(NA)	9,600	8,400	(NA)
Pennsylvania 2/	12,152	10,150	6,469	8,960	7,894	5,131
Rhode Island	13,780	11,700	6,240	11,700	9,750	6,446
South Carolina	10,631	9,941	9,781	7,972	7,410	6,500
South Dakota	7,426	6,677	4,867	5,491	5,304	4,040
Tennessee	10,780	8,759	2,937	7,518	6,722	3,040
Texas 2/	11,596	9,880	6,444	10,088	9,100	5,580
Utah	11,232	8,268	(NA)	8,400	7,200	(NA)
Vermont 2/	15,080	14,300	5,348	10,400	9,880	4,875
Virginia	15,288	11,804	5,421	11,492	9,880	3,666
Washington 2/	19,200	14,844	7,668	14,628	12,228	6,642
West Virginia	10,140	9,100	5,940	8,580	8,060	5,490
Wisconsin	13,511	10,972	10,036	10,840	9,600	9,026
Wyoming 2/	10,060	8,623	5,621	9,091	8,504	5,731

NA Not available or not reported.

1/ Based on a before-/after-school for 9-month school year.

2/ State did not report prices on 2022 survey; data reported from state's most recent Market Rate Survey.

3/ Colorado Market Rate Survey in progress as of September 2022.

Source: Child Care Aware of America, "Price of Care: 2021 Child Care Affordability Analysis"

Appendix I: "2021 Average Annual Price of Full-Time Center-Based Child Care by State"

(p. 3 ) and Appendix II: "2021 Average Annual Price of Full-Time Family Child Care by State" (p. 5)

<<http://usa.childcareaware.org/>> accessed May 11, 2023.

**Table 14.15-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,  
BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA: 2022**

[Data collected during Child Care Aware of America's February 2023 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/	7,800	7,280	4,914	7,280	7,020	4,875
Alaska	11,760	9,600	6,143	9,624	8,364	5,400
Arizona 2/	14,040	10,920	4,500	8,840	7,800	3,600
Arkansas	8,021	6,443	2,659	6,577	6,037	2,749
California	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Colorado	19,573	13,809	7,736	12,750	11,970	7,527
Connecticut	16,588	13,468	4,602	12,792	11,960	5,109
Delaware	14,290	11,514	4,980	9,646	8,614	3,891
Dist. of Columbia 2/	24,417	15,987	(NA)	18,143	11,227	(NA)
Florida 2/	11,440	7,904	(NA)	9,360	7,540	(NA)
Georgia	9,227	7,899	3,254	7,284	6,594	3,097
<b>Hawaii</b>	<b>20,647</b>	<b>13,640</b>	<b>5,066</b>	<b>10,369</b>	<b>10,001</b>	<b>7,258</b>
Idaho	9,708	8,160	7,632	7,308	6,744	6,648
Illinois	14,560	10,660	3,080	10,397	9,100	2,200
Indiana	11,897	8,322	3,923	8,104	7,198	4,213
Iowa	11,129	9,169	3,953	7,769	7,528	2,333
Kansas	14,223	9,559	2,783	8,148	7,177	2,385
Kentucky	9,685	8,525	5,460	7,345	6,500	4,875
Louisiana 2/	8,580	7,800	5,040	6,825	6,500	4,500
Maine	11,960	8,580	5,460	8,580	7,800	4,875
Maryland	18,156	12,587	5,450	11,986	9,943	4,301
Massachusetts	24,472	18,646	7,463	14,873	14,739	7,589
Michigan	12,238	10,151	5,531	8,859	8,406	5,717
Minnesota	17,441	13,331	(NA)	8,982	8,183	(NA)
Mississippi 2/	7,280	6,500	4,875	5,980	6,240	3,705
Missouri	11,059	7,912	3,748	6,297	5,567	3,140
Montana	11,700	10,400	4,446	9,100	9,100	3,861
Nebraska	12,220	10,400	(NA)	7,800	7,800	(NA)
Nevada	13,383	11,015	(NA)	10,362	9,595	(NA)
New Hampshire 2/	15,340	13,000	(NA)	10,140	9,750	(NA)
New Jersey 2/	17,460	15,120	5,175	10,800	9,600	6,876
New Mexico 2/	12,024	8,436	5,196	10,284	10,284	5,712
New York	21,826	18,460	(NA)	18,200	16,960	(NA)

Continued on next page.



**Table 14.15-- AVERAGE ANNUAL COST OF FULL-TIME CHILD CARE,  
BY PROVIDER, BY STATE AND THE DISTRICT OF COLUMBIA:  
2022 -- Con.**

Area	Child care center			Family child care		
	Infant	4-year-old	School-age 1/	Infant	4-year-old	School-age 1/
North Carolina	11,833	9,998	4,781	9,375	8,578	4,737
North Dakota	9,984	8,930	8,197	8,240	7,929	7,853
Ohio	11,438	8,580	5,564	8,919	7,977	5,078
Oklahoma	9,176	7,709	4,350	7,816	7,180	4,554
Oregon	15,786	10,800	(NA)	9,600	8,400	(NA)
Pennsylvania 2/	12,152	10,150	6,469	8,960	7,894	5,132
Rhode Island 2/	15,028	13,000	6,513	13,000	12,415	7,800
South Carolina	9,048	8,372	7,150	6,890	6,237	5,200
South Dakota	7,862	7,218	4,898	5,824	5,658	4,758
Tennessee	11,511	9,978	4,184	7,707	7,677	4,751
Texas 2/	10,348	9,204	6,084	9,204	8,528	5,652
Utah	11,232	8,268	5,220	8,400	7,200	5,175
Vermont 2/	15,080	14,300	5,348	10,400	9,880	4,875
Virginia	15,450	12,105	5,343	11,945	11,256	3,978
Washington 2/	16,380	12,600	(NA)	12,672	11,184	(NA)
West Virginia	7,680	6,720	3,480	6,000	5,280	3,480
Wisconsin 2/	13,572	11,128	7,683	10,400	9,360	6,825
Wyoming 2/	10,637	9,360	3,845	9,100	7,800	3,938

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 2022 survey. Data reported from state's most recent Market Rate Survey.

Source: Child Care Aware of America, "Price of Care: 2022 Child Care Affordability Analysis" Appendix I: "2022 Average Annual Price of Full-Time Center-Based Child Care by State" (p. 2 ) and Appendix II: "2022 Average Annual Price of Full-Time Family Child Care by State" (p. 4) <<http://usa.childcareaware.org/>> accessed May 11, 2023.

**Table 14.16-- 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
<b>14</b>	<b>Honolulu</b>	<b>HI</b>	<b>1,202,219</b>	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 14.17-- AVERAGE GASOLINE PRICE FOR THE UNITED STATES AND FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JULY 12, 2023**

[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	4.701	4.910	5.178	5.678
Hawaii rank	3	3	3	1
U. S. average	3.541	3.975	4.304	3.849
Hawaii as percent of U.S. average	132.8	123.5	120.3	147.5
Alabama	3.095	3.493	3.867	3.625
Alaska	4.304	4.482	4.670	4.182
Arizona	3.764	4.062	4.352	3.996
Arkansas	3.128	3.515	3.881	3.620
California	4.891	5.100	5.252	5.092
Colorado	3.828	4.195	4.499	3.936
Connecticut	3.617	4.108	4.497	4.074
Delaware	3.457	3.924	4.164	3.709
District of Columbia	3.699	4.268	4.641	4.209
Florida	3.451	3.843	4.151	3.667
Georgia	3.277	3.688	4.060	3.748
<b>Hawaii</b>	<b>4.701</b>	<b>4.910</b>	<b>5.178</b>	<b>5.678</b>
Idaho	3.923	4.130	4.386	3.925
Illinois	3.825	4.339	4.756	3.847
Indiana	3.280	3.772	4.228	3.883
Iowa	3.328	3.601	4.074	3.588
Kansas	3.257	3.568	3.871	3.556
Kentucky	3.196	3.668	4.074	3.679
Louisiana	3.103	3.492	3.861	3.503
Maine	3.621	4.033	4.432	4.129
Maryland	3.570	4.081	4.326	3.797
Massachusetts	3.552	4.070	4.404	4.179
Michigan	3.445	3.904	4.382	3.835
Minnesota	3.416	3.724	4.106	3.722
Mississippi	2.983	3.366	3.728	3.499
Missouri	3.236	3.571	3.885	3.467
Montana	3.722	4.025	4.317	4.050
Nebraska	3.311	3.519	3.965	3.553
Nevada	4.234	4.494	4.720	4.183
New Hampshire	3.487	3.913	4.325	4.076
New Jersey	3.511	4.034	4.291	3.710
New Mexico	3.491	3.849	4.131	3.834
New York	3.674	4.129	4.488	4.380

Continued on next page.

**Table 14.17-- AVERAGE GASOLINE PRICE FOR THE UNITED STATES AND FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: JULY 12, 2023 -- Con.**

Item	Regular	Mid-grade	Premium	Diesel
North Carolina	3.249	3.643	4.002	3.686
North Dakota	3.470	3.763	4.059	3.794
Ohio	3.190	3.655	4.101	3.715
Oklahoma	3.179	3.504	3.759	3.451
Oregon	4.615	4.829	5.050	4.429
Pennsylvania	3.641	4.029	4.333	4.260
Rhode Island	3.502	4.100	4.441	4.180
South Carolina	3.154	3.558	3.912	3.599
South Dakota	3.489	3.646	4.137	3.670
Tennessee	3.099	3.506	3.859	3.593
Texas	3.180	3.582	3.909	3.367
Utah	3.829	4.063	4.277	3.672
Vermont	3.600	4.015	4.436	3.922
Virginia	3.347	3.764	4.096	3.711
Washington	4.953	5.176	5.384	4.938
West Virginia	3.348	3.671	3.994	3.769
Wisconsin	3.349	3.792	4.221	3.566
Wyoming	3.606	3.879	4.149	4.096

Source: AAA's Daily Gas Prices, National Average, State Prices and Compare Prices <<http://gasprices.aaa.com/>> accessed July 12, 2023; and calculations by the Hawaii Department of Business, Economic Development & Tourism.

**Table 14.18-- PARKING GARAGES DOWNTOWN HONOLULU, PARKING RATES, 2019, AND NUMBER OF SPACES AND RANK: 2019 TO 2022**

[Ranked according to highest number of parking spaces in 2022]

Parking garage	2019			2020 and 2021		2022	
	Rank	No. of spaces	Range of monthly rates (\$)	Rank	No. of spaces	Rank	No. of spaces
Waterfront Plaza	1	1,255	(1/)	1	1,255	1	1,255
Bishop Square - ASB/Pauahi Tower	2	1,146	(NA)	2	1,146	2	1,146
Harbor Court 2/	3	1,048	> 220	3	1,048	3	1,048
Topa Financial Center	4	920	283-450	4	920	4	920
801 South St., Bldg. A 3/	5	915	(NA)	5	915	5	915
Executive Centre	6	864	265	6	864	6	864
Kukui Plaza	7	852	(NA)	7	852	7	852
801 South St., Bldg. B	8	788	(NA)	8	788	8	788
Pacific Guardian Center	9	771	8	9	771	9	771
Alii Place	10	718	267-382	10	718	10	718
Kauhale Kakaako	11	698	135	11	698	11	698
Hale Pauahi	12	593	90	12	593	12	593
Bishop Place 2/	13	564	< 415	13	564	13	564
Pacific Park Plaza	14	557	204-272	14	557	14	557
South Street Garage 5/	15	550	50	15	550	15	550
Davies Pacific Center	16	495	356	16	495	16	495
Harbor Square	16	495	260	16	495	16	495
215 N. King St.	18	448	120-145	18	448	18	448
Walmart	19	418	(NA)	19	418	19	418
Marin Tower	20	414	125	20	414	20	414
Hale Pawaā	(4/)	(NA)	(NA)	(4/)	(NA)	21	411
Chinatown Cultural Plaza	21	400	160	21	400	22	400
Century Square	22	364	(NA)	22	364	23	364
City Financial Tower	23	343	(NA)	23	343	23	364
Kawaiahao Plaza	24	314	(NA)	24	314	25	314
Mark's Garage	25	285	240-350	25	285	(4/)	(4/)
Keauhou Lane	(4/)	(4/)	(4/)	(4/)	(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 2019" (April 24, 2020), Ibid. "2020" (April 16, 2021); Ibid. "2021" (April 15, 2022), and Ibid. "2022" (April 14, 2023).

**Table 14.19-- TOP 50 MOST EXPENSIVE CAR RENTAL DESTINATIONS  
IN THE UNITED STATES: SUMMER 2021**

[The table is based on a survey which compared rental car rates at the top 100 U.S. airports according to traffic for August 2021. Prices shown reflect average weekly rates (from Sunday to Saturday) for the most affordable rental cars, August 1 to 31, 2021. Only rental car companies located directly at a destination's airport or at the airport's rental car center have been considered for the survey. Rank of 1 assigned to the highest car rental rate]

Rank	City	Rate (dollars) 1/	Rank	City	Rate (dollars) 1/
1	Anchorage	1,451	26	Little Rock	556
<b>2</b>	<b>Lihue</b>	<b>1,065</b>	27	Hartford	550
3	Portland, Oregon	965	28	Detroit	549
<b>4</b>	<b>Kona</b>	<b>948</b>	29	Knoxville	544
<b>5</b>	<b>Honolulu</b>	<b>937</b>	30	Columbus	540
<b>6</b>	<b>Kahului</b>	<b>895</b>	31	Des Moines	520
7	Portland, Maine	840	32	Chicago (ORD) 2/	519
8	Seattle	746	33	Newark	515
9	Boise	701	34	Pittsburgh	502
10	Minneapolis	690	35	Madison	495
11	Myrtle Beach	659	36	Austin	495
12	Savannah	676	37	Philadelphia	491
13	Spokane	629	38	Sacramento	491
14	Reno	627	39	Chicago (MDW) 2/	489
15	Albany	623	40	Greenboro	488
16	Charleston	617	41	New Orleans	487
17	Fresno	606	42	Cincinnati	483
18	San Juan	599	43	Syracuse	483
19	Fayetteville	589	44	Jacksonville	480
20	Grand Rapids	587	45	Sarasota	477
21	Richmond	579	46	Wichita	469
22	Providence	576	47	Birmingham	465
23	Greenville	570	48	Charlotte	461
24	Boston	568	49	Raleigh	460
25	Omaha	562	50	Milwaukee	460

1/ Rank is as reported in source although not all cities with same rate shown are given same rank.

2/ Chicago has 2 airports in the top 50: Rank 32 is O'Hare International Airport (ORD) and Rank 39 is Midway International Airport (MDW).

Source: CheapCarRental "A comparison of car rental rates in the USA - Summer 2021" (August 3, 2021) <<https://www.cheapcarrental.net/press.html>> accessed April 8, 2022.

**Table 14.20-- CAR RENTAL RATES FOR 50 MAJOR UNITED STATES CITIES:  
CHRISTMAS PREMIUM 2021**

[The survey compared the rates at 50 popular U.S. destinations over the December 21 to December 27, 2021 period for the cheapest available rental car to the average car rental prices for January 2022. Rates were established on December 15, 2021 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)	Rank	City	Rate (dollars)	'Holiday' premium (percent)
1	Honolulu	754	64	26	Seattle	390	41
2	Boston	718	192	27	Kansas City	383	-5
3	Fort Lauderdale	709	111	28	Portland	380	27
4	Charleston	677	15	29	San Diego	374	10
5	Sarasota	646	49	30	Salt Lake City	371	-37
6	Orlando	631	84	31	Charlotte	366	-16
7	Tampa	580	52	32	Memphis	358	-19
8	San Francisco	561	89	33	Philadelphia	357	27
9	Los Angeles	539	33	34	Wichita	353	-10
10	Atlanta	511	89	35	Milwaukee	352	27
11	Las Vegas	511	61	36	Buffalo	351	70
12	Pittsburgh	506	48	37	Detroit	350	36
13	Richmond	483	80	38	Phoenix	345	-11
14	San Antonio	471	2	39	Tucson	341	5
15	New Orleans	468	-1	40	Denver	335	-18
16	New York City	461	47	41	Louisville	315	27
17	Albuquerque	455	10	42	Washington D.C.	308	12
18	Houston	434	34	43	Cincinnati	305	-19
19	Sacramento	433	41	44	Indianapolis	300	39
20	Minneapolis	427	14	45	Chicago	296	12
21	Miami	416	6	46	Baltimore	291	31
22	Fresno	410	411	47	Dallas 1/	288	-2
23	Nashville	407	11	48	Cleveland	287	49
24	Dallas 1/	401	6	49	Savannah	255	-31
25	St Louis	396	5	50	Anchorage	224	-33

1/ The source has Dallas ranked 24 and 47 but no identification as to the specific airports. Clarification as been requested from source.

Source: CheapCarRental "The most expensive car rental destinations over the Christmas holidays" (December 16, 2021) <<https://www.cheapcarrental.net/press.html>> accessed April 8, 2022.

**Table 14.21-- AVERAGE ANNUAL AUTO INSURANCE RATES AS PERCENT OF MEDIAN ANNUAL HOUSEHOLD INCOME FOR THE UNITED STATES AVERAGE AND EACH OF THE 50 STATES: 2018**

[Data are for the Insurance Research Council's affordability index based on average auto insurance expenditures published by the National Association of Insurance Commissioners (NAIC) and median household income from the U.S. Census Bureau. Ranking based on car insurance as highest percent of household income]

Rank	State	Percent	Rank	State	Percent
(X)	U. S. average	1.67	26	California	1.47
			27	Oregon	1.43
1	Louisiana	3.09	28	Montana	1.43
2	Florida	2.61	29	Maryland	1.41
3	Michigan	2.43	30	Alaska	1.40
4	Mississippi	2.27	31	North Carolina	1.38
5	Georgia	2.17	32	Massachusetts	1.35
6	Rhode Island	2.14	33	Illinois	1.31
7	New York	2.12	34	Washington	1.30
8	Nevada	2.04	35	Ohio	1.29
9	Delaware	1.99	36	Indiana	1.28
10	Texas	1.93	37	Kansas	1.26
11	New Mexico	1.90	38	Idaho	1.23
12	South Carolina	1.90	39	Minnesota	1.22
13	New Jersey	1.87	40	Utah	1.22
14	West Virginia	1.86	41	Wyoming	1.22
15	Arkansas	1.81	42	Wisconsin	1.21
16	Alabama	1.81	43	South Dakota	1.21
17	Kentucky	1.72	44	Nebraska	1.18
18	Arizona	1.68	45	Maine	1.17
19	Oklahoma	1.68	46	Virginia	1.11
20	Dist. of Columbia	1.67	47	Vermont	1.11
21	Connecticut	1.67	48	<b>Hawaii</b>	<b>1.04</b>
22	Colorado	1.55	49	New Hampshire	1.04
23	Pennsylvania	1.54	50	North Dakota	1.03
24	Tennessee	1.53	51	Iowa	1.02
25	Missouri	1.48			

X Not applicable.

Source: Insurance Information Institute "Average Auto Insurance Expenditures as a Percent of Median Household Income, 2018" <<https://www.iii.org/fact-statistic/facts-statistics-auto-insurance>> accessed July 7, 2022.



**Table 14.22-- AVERAGE ANNUAL AUTO INSURANCE COSTS FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2023**

[Data compiled by Bankrate showing the average rates in each state. “Minimum coverage requirements” signify the amount of required coverage for bodily injury liability coverage (per person)(BIPP)/bodily injury liability coverage (per accident)(BIPA)/property damage coverage (PD). The numbers under the two ‘Average cost of coverage’ columns are the average amounts of money drivers in that state pay for that car insurance on an annual basis. The policy purchased is a 100/300/50. Full coverage includes collision and comprehensive coverage]

State or District	Minimum coverage requirements (BIPP/BIPA/PD) (in \$1,000)	Average cost of full coverage (\$)	Average cost of minimum coverage (\$)
Alabama	25/50/25	1,843	441
Alaska	50/100/25	1,946	421
Arizona	25/50/15	1,810	587
Arkansas	25/50/25	1,907	443
California	15/30/5	2,291	636
Colorado	25/50/15	2,121	500
Connecticut	25/50/25	1,553	620
Delaware	25/50/10	2,103	801
Florida 1/ 2/	10/20/10	3,183	1,128
Georgia	25/50/25	2,085	639
<b>Hawaii 2/</b>	<b>20/40/10</b>	<b>1,275</b>	<b>344</b>
Idaho	25/50/15	1,133	267
Illinois	25/50/20	1,806	552
Indiana	25/50/25	1,295	327
Iowa	20/40/15	1,315	223
Kansas 2/	25/50/25	1,878	416
Kentucky 2/	25/50/25	2,124	678
Louisiana	15/30/25	2,909	805
Maine	50/100/25	941	225
Maryland	30/60/15	1,971	815
Massachusetts 2/	20/40/5	1,262	429
Michigan 2/	50/100/10	2,691	1,104
Minnesota 2/	30/60/10	1,760	585
Mississippi	25/50/25	1,771	446
Missouri	25/50/25	1,943	490
Montana	25/50/20	1,889	310
Nebraska	25/50/25	1,624	359
Nevada	25/50/20	2,779	973
New Hampshire	25/50/25	1,262	319
New Jersey 2/	25/50/25	1,754	782
New Mexico	25/50/10	1,591	346
New York 2/	25/50/10	3,139	1,371

Continued on next page.

**Table 14.22-- AVERAGE ANNUAL AUTO INSURANCE COSTS FOR THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2023 -- Con.**

<b>State or District</b>	<b>Minimum coverage requirements (BIPP/BIPA/PD) (in \$1,000)</b>	<b>Average cost of full coverage (\$)</b>	<b>Average cost of minimum coverage (\$)</b>
North Carolina	30/60/25	1,446	432
North Dakota 2/	25/50/25	1,302	269
Ohio	25/50/25	1,266	338
Oklahoma	25/50/25	1,998	406
Oregon	25/50/20	1,415	616
Pennsylvania 2/	15/30/5	2,040	428
Rhode Island	25/50/25	1,886	551
South Carolina	25/50/25	1,532	524
South Dakota	25/50/25	1,553	276
Tennessee	25/50/25	1,429	371
Texas	30/60/25	2,019	565
Utah 2/	25/65/15	1,510	539
Vermont	25/50/10	1,061	238
Virginia	30/60/20	1,439	494
Washington	25/50/10	1,410	515
Washington, D.C.	25/50/10	2,072	607
West Virginia	25/50/25	1,580	421
Wisconsin	25/50/10	1,292	358
Wyoming	25/50/20	1,582	263

1/ Florida also requires personal injury protection (PIP) and property damage liability (PDL).

2/ No-fault states. Each party files a claim with their own car insurance for medical expenses after an accident, regardless of who caused the crash.

Source: Bankrate "Car Insurance Rates By State 2023" (January 25, 2023) <<https://www.bankrate.com/insurance/car/states/>> accessed June 9, 2023.

**Table 14.23-- AVERAGE ANNUAL CAR INSURANCE PREMIUMS FOR EACH OF THE 50 STATES AND THE DISTRICT OF COLUMBIA: 2023**

[According to a Business Insider compilation of the average annual car insurance premiums based on 2019 data from S&P Global Market Intelligence. 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]

State	Dollars	State	Dollars
Alabama	1,336	Montana	1,285
Alaska	1,408	Nebraska	1,243
Arizona	1,320	Nevada	1,316
Arkansas	1,318	New Hampshire	1,561
California	1,397	New Jersey	1,579
Colorado	1,380	New Mexico	1,262
Connecticut	1,561	New York	1,499
Delaware	1,417	North Carolina	1,374
District of Columbia	1,431	North Dakota	1,245
Florida	1,369	Ohio	1,217
Georgia	1,406	Oklahoma	1,341
<b>Hawaii</b>	<b>1,408</b>	Oregon	1,341
Idaho	1,309	Pennsylvania	1,479
Illinois	1,265	Rhode Island	1,476
Indiana	1,230	South Carolina	1,366
Iowa	1,235	South Dakota	1,218
Kansas	1,233	Tennessee	1,361
Kentucky	1,335	Texas	1,409
Louisiana	1,316	Utah	1,421
Maine	1,452	Vermont	1,473
Maryland	1,512	Virginia	1,462
Massachusetts	1,570	Washington	1,395
Michigan	1,237	West Virginia	1,296
Minnesota	1,293	Wisconsin	1,244
Mississippi	1,308	Wyoming	1,305
Missouri	1,215		

Source: Business Insider "The average cost of car insurance in the U.S." (January 4, 2023)  
 <<https://www.businessinsider.com/personal-finance/average-cost-of-car-insurance>> accessed June 9, 2023.

**Table 14.24-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2012 TO 2023**

[The survey, conducted in March, included more than 400 cities worldwide and measures the comparative cost of more than 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/											
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Atlanta, GA	(NA)	(NA)	147	103	78	83	95	69	60	72	42	29
Boston, MA	(NA)	123	109	64	47	51	70	49	41	50	30	21
Chicago, IL	(NA)	(NA)	85	42	34	31	51	37	30	45	36	24
Cleveland, OH	(NA)	(NA)	167	133	110	100	125	106	93	112	112	88
Dallas, TX	(NA)	(NA)	125	77	62	62	85	62	52	69	75	53
Detroit, MI	(NA)	(NA)	160	122	103	95	116	90	80	101	107	80
<b>Honolulu, HI</b>	<b>(NA)</b>	<b>117</b>	<b>97</b>	<b>52</b>	<b>37</b>	<b>35</b>	<b>54</b>	<b>38</b>	<b>28</b>	<b>43</b>	<b>20</b>	<b>15</b>
Houston, TX	(NA)	(NA)	143	92	75	74	86	59	51	75	85	61
Los Angeles, CA	(NA)	(NA)	62	36	27	23	35	18	17	20	17	11
Miami, FL	(NA)	114	98	56	45	41	60	44	37	48	32	22
Minneapolis, MN	(NA)	(NA)	156	115	91	86	102	78	69	86	83	67
Morristown, NJ	(NA)	(NA)	132	88	71	81	97	70	62	75	(NA)	(NA)
New York City, NY	33	24	16	16	11	9	13	9	6	14	7	6
Philadelphia, PA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	70	50
Pittsburgh, PA	(NA)	(NA)	162	130	112	107	125	97	91	110	82	65
Portland, OR	(NA)	(NA)	166	135	117	115	130	107	92	106	91	72
San Francisco, CA	(NA)	92	74	37	26	21	28	16	16	25	19	14
Seattle, WA	(NA)	(NA)	153	106	83	76	90	64	55	67	45	31
St. Louis, MO	(NA)	(NA)	161	130	108	100	122	94	83	103	101	78
Washington, DC	(NA)	(NA)	92	50	38	39	56	42	32	51	29	23
White Plains, NY	(NA)	(NA)	81	71	61	64	79	56	48	65	(NA)	(NA)
Winston Salem, NC	(NA)	(NA)	182	157	147	140	161	138	132	151	(NA)	(NA)

Continued on next page.

**Table 14.24-- COST OF LIVING GLOBAL RANK FOR SELECTED MAJOR CITIES IN THE UNITED STATES: 2012 TO 2023 -- 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 2012 - City rankings" (June 12, 2012) <[http://www.mercer.com/costoflivingpr#City\\_rankings](http://www.mercer.com/costoflivingpr#City_rankings)> accessed July 9, 2012; Ibid. 2013 "African, European, and Asian Cities Dominate the Top 10 Most Expensive Locations for Expatriates" (July 23, 2013) <[http://www.mercer.com/costoflivingpr#City\\_rankings](http://www.mercer.com/costoflivingpr#City_rankings)> accessed July 30, 2013; Ibid. 2014 (July 10, 2014) <[http://www.mercer.com/newsroom/cost-of-living-survey.html#City\\_rankings](http://www.mercer.com/newsroom/cost-of-living-survey.html#City_rankings)> accessed July 10, 2014; "2015 Cost of Living Rankings" (June 17, 2015) <<http://www.mercer.com/newsroom/cost-of-living-survey.html>> accessed July 2, 2015; Ibid. 2016 "Continued Demand for Mobility in the Global Workforce Challenged by Cost of Expatriate Packages" (June 22, 2016) <<http://www.mercer.com/newsroom/continued-demand-for-mobility-in-the-global-workforce-challenged-by-cost-of-expatriate-packages.html>> accessed July 12, 2016; 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; "COVID-19 Disruptions Compel Companies to Re-evaluate Their Approach to Mobility" (June 22, 2021) <<https://www.mercer.com/>> accessed July 14, 2021; "Mercer's Global Report 2022 Cost of Living City Ranking" <<https://www.mercer.com/our-thinking/career/cost-of-living.html>> accessed July 6, 2022; and "Cost of Living City Ranking 2023" <<https://www.mercer.com/insights/total-rewards/talent-mobility-insights/cost-of-living/>> accessed June 16, 2023.

**Table 14.25-- TOP 11 MOST EXPENSIVE AND 10 CHEAPEST STATES TO LIVE: 2023**

[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 2021 Cost of Living Index. See also <<http://coli.org/About/>>]

Rank	State	Metro area 1/	2023 COL Score 2/	Housing affordability 3/	Average home price	Half gallon of milk	Monthly energy bill	CPI (percent chg.) 4/
<b>Most expensive</b>								
1	Hawaii	Honolulu	2	0.42	1,605,915	4.32	309.47	2.0
2	California	San Francisco	4	0.46	1,502,557	3.38	267.64	3.5
3	Oregon	Portland	6	0.45	661,664	2.88	157.38	3.5
4	Massachusetts	Boston	7	0.54	921,897	3.13	257.12	2.2
5	New York	Manhattan	9	0.56	2,434,977	3.04	183.24	2.2
6	Montana	Bozeman	10	0.42	719,461	2.24	140.00	3.5
7	Washington	Seattle	11	0.51	940,665	2.97	188.83	3.5
8	Rhode Island	Providence	12	0.52	462,061	2.42	251.32	2.2
9	New Hampshire	Manchester	13	0.57	441,922	2.66	225.85	2.2
9	Idaho	Boise	13	0.42	576,971	2.79	126.17	3.5
9	Arizona	Lake Havasu City	13	0.51	1,004,158	2.09	264.56	3.5
<b>Cheapest</b>								
1	Iowa	Burlington	47	0.93	270,071	2.32	214.78	2.4
2	Kansas	Wichita	46	0.88	314,516	2.05	165.13	2.4
3	Indiana	Fort Wayne	45	0.90	296,241	2.46	170.38	2.4
3	Ohio	Lima	45	1.00	285,688	2.20	160.09	2.4
5	Oklahoma	Muskogee	44	0.81	258,517	2.16	158.83	3.3
5	West Virginia	Charleston	44	0.90	233,481	2.01	178.74	3.3
7	Michigan	Kalamazoo	43	0.93	259,015	2.02	172.32	2.4
7	Missouri	Joplin	43	0.85	272,606	2.29	169.33	2.4
9	Illinois	Decatur	41	0.92	271,518	2.04	157.85	2.4
9	Mississippi	Tupelo	41	0.73	300,097	2.14	142.63	3.3

1/ Average home price applies to indicated Metro area.

2/ COL = Cost of Living. Score is of the 50 points maximum. See also "Methodology How we are choosing America's Top States for Business in 2023" <<https://www.cnbc.com/2023/07/13/how-we-are-choosing-americas-top-states-for-business-in-2023.html>> accessed July 14, 2023.

3/ Score is out of 2.00.

4/ U.S. Bureau of Labor Statistics Consumer Price Index (CPI) for June 2023, exception is May 2023 for Hawaii (CPI for Honolulu). If not exact CPI Metro match, most appropriate area CPI used. See source for details.

Source: CNBC, "America's Top States for Business - America's 10 most expensive states to live in 2023" (July 12, 2023) <<https://www.cnbc.com/2023/07/12/these-are-americas-10-most-expensive-states-to-live-in.html>> accessed July 14, 2023; and "These states are the cheapest places to live in America in 2023 (July 12, 2023) <<https://www.cnbc.com/2023/07/12/these-are-americas-10-cheapest-states-to-live-in.html>> accessed July 14, 2023.

**Table 14.26-- COST OF LIVING ALLOWANCE (COLA) AND LOCALITY PAY RATES FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTY: 2009 TO 2023**

[As of March 28, 2023. Maui includes Kalawao]

Effective date	Category 1/	Honolulu	Hawaii	Maui	Kauai
January 1, 2009	COLA	25.00	18.00	25.00	25.00
	Locality rate	0.00	0.00	0.00	0.00
January 1, 2010	COLA	20.94	14.26	20.94	20.94
	Payable locality rate	4.72	4.72	4.72	4.72
	Full locality rate	14.16	14.16	14.16	14.16
January 1, 2011	COLA	16.07	9.76	16.07	16.07
	Payable locality rate	11.01	11.01	11.01	11.01
	Full locality rate	16.51	16.51	16.51	16.51
January 1, 2012	COLA	12.25	6.24	12.25	12.25
	Payable locality rate	16.51	16.51	16.51	16.51
	Full locality rate	16.51	16.51	16.51	16.51
January 1, 2016	COLA	12.05	6.05	12.05	12.05
	Locality rate	16.81	16.81	16.81	16.81
January 1, 2017	COLA	11.32	5.39	11.32	11.32
	Locality rate	17.92	17.92	17.92	17.92
January 1, 2018	COLA	10.99	5.08	10.99	10.99
	Locality rate	18.43	18.43	18.43	18.43
January 1, 2019	COLA	10.64	4.76	10.64	10.64
	Locality rate	18.98	18.98	18.98	18.98
January 1, 2020	COLA	10.28	4.42	10.28	10.28
	Locality rate	19.56	19.56	19.56	19.56
January 1, 2021	COLA	10.28	4.42	10.28	10.28
	Locality rate	19.56	19.56	19.56	19.56
January 1, 2022	COLA	9.75	3.94	9.75	9.75
	Locality rate 2/	20.40	20.40	20.40	20.40
January 1, 2023	COLA	9.28	3.50	9.28	9.28
	Locality rate 2/	21.17	21.17	21.17	21.17

Continued on next page.

**Table 14.26-- COST OF LIVING ALLOWANCE (COLA) AND LOCALITY PAY RATES FOR FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C., BY COUNTY: 2009 TO 2023 -- Con.**

1/ 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.

2/ The EX-IV cap (\$176,300 in 2022 and \$183,500 in 2023) on General Schedule locality rates affects certain employees.

Source: U.S. Office of Personnel Management, *Federal Register Online* via GPO Access "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; Ibid. "2016" accessed June 6, 2016; Ibid. "2017" accessed April 18, 2017; Ibid. "2018" accessed April 19, 2018; Ibid. "2019" accessed April 25, 2019; Ibid. "2020" accessed June 4, 2020; Ibid. "2021" accessed June 10, 2021; Ibid. "2022" accessed April 20, 2022 and Ibid. "2023" accessed March 28, 2023.



**Table 14.27-- COST OF LIVING ALLOWANCE INDEXES FOR MILITARY IN HAWAII RELATIVE TO CONTINENTAL UNITED STATES, BY ISLAND: 2023**

[As of July 1, 2023. Index number continental United States=100]

Effective date	Locality	Locality code 1/	Index
May 16, 2023	Hawaii (island)	HI001	120
May 16, 2023	Kauai	HI003	119
May 16, 2023	Maui	HI005	119
May 16, 2023	Molokai	HI007	119
May 16, 2023	Oahu	HI009	112
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 16 May 2023, Table III - Cost-of-Living Allowance (COLA) Indexes", p.5 <<https://www.travel.dod.mil/Allowances/Overseas-Cost-of-Living-Allowance/Overseas-COLA-Tables/>> accessed May 19, 2023.

**Table 14.28-- PER DIEM RATES FOR MILITARY IN HAWAII, BY ISLAND OR INSTALLATION: 2023**

[As of July 1, 2023. 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. The standard onbase incidental rate is \$3.50 OCONUS wide. 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 in 2023
Camp H.M. Smith	359	202	126	72	31	February 1
CNI NAVMAG Pearl Harbor-Hickam	359	202	126	72	31	February 1
Ft. DeRussey	359	202	126	72	31	February 1
Ft. Shafter	359	202	126	72	31	February 1
Hickam Air Force Base	359	202	126	72	31	February 1
Honolulu	359	202	126	72	31	February 1
Isle of Hawaii: Hilo	345	199	117	68	29	February 1
Isle of Hawaii: Other than Hilo	402	229	138	78	35	February 1
Isle of Kauai	490	325	132	75	33	March 1
Island of Lanai	386	229	126	72	31	February 1
Isle of Maui	507	354	122	70	31	February 1
Island of Molokai	386	229	126	72	31	February 1
Isle of Oahu	359	202	126	72	31	February 1
Joint Base Pearl Harbor- Hickam	359	202	126	72	31	February 1
Kapolei	359	202	126	72	31	February 1
Kekaha Pacific Missile Range Facility	490	325	132	75	33	March 1
Kilauea Military Camp	345	199	117	68	29	February 1
Lihue (Island of Kauai)	490	325	132	75	33	March 1
Marine Corps Base Hawaii	359	202	126	72	31	February 1
Wahiawa NCTAMS PAC 2/	359	202	126	72	31	February 1
NOSC Pearl Harbor 3/	359	202	126	72	31	February 1
Pearl Harbor	359	202	126	72	31	February 1
PMRF Barking Sands (Kauai)	490	325	132	75	33	March 1
Schofield Barracks	359	202	126	72	31	February 1
Tripler Army Medical Center	359	202	126	72	31	February 1
Wheeler Army Airfield	359	202	126	72	31	February 1
Other 4/	386	229	126	72	31	February 1

1/ For reimbursement of subsistence expenses incurred during official OCONUS (Outside Continental United States) travel.

2/ Wahiawa Naval Computer and Telecommunications Area Master Station, Pacific (NCTAMS PAC).

3/ Naval Operations Support Center Pearl Harbor (NOSC Pearl Harbor).

4/ 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 2023"

<<http://www.defensetravel.dod.mil/site/perdiem.cfm>> accessed July 4, 2023.

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

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

Narrative

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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*.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey estimates were not disrupted and are included in this release.

**Table 15.01-- NUMBER OF STATE CHARTERED FINANCIAL INSTITUTIONS:  
1995 TO 2022**

[As of December 31, Includes only state chartered FDIC-insured institutions]

Year	State charter institutions		Commercial banks		Savings insitutions	
	Number	Employees	Number	Employees	Number	Employees
1995	15	8,352	13	8,036	2	316
1996	15	8,549	13	8,224	2	325
1997	15	8,719	13	8,392	2	327
1998	13	8,380	11	8,040	2	340
1999	11	7,706	9	7,377	2	329
2000	8	7,257	7	7,101	1	156
2001	8	6,667	7	6,506	1	161
2002	6	6,142	6	6,142	-	-
2003	5	6,025	5	6,025	-	-
2004	5	5,793	5	5,793	-	-
2005	4	5,775	4	5,775	-	-
2006	6	5,916	6	5,916	-	-
2007	6	6,007	6	6,007	-	-
2008	6	6,058	6	6,058	-	-
2009	6	5,763	6	5,763	-	-
2010	6	5,585	6	5,585	-	-
2011	6	5,554	6	5,554	-	-
2012	6	5,455	6	5,455	-	-
2013	6	5,355	6	5,355	-	-
2014	7	5,573	6	5,305	1	268
2015	6	5,550	5	5,275	1	275
2016	6	5,490	5	5,219	1	271
2017	6	5,580	5	5,304	1	276
2018	6	5,510	5	5,233	1	277
2019	6	5,453	5	5,180	1	273
2020	6	5,349	5	5,076	1	273
2021	5	5,264	4	4,998	1	266
2022	5	5,271	4	5,014	1	257

Source: Federal Deposit Insurance Corporation, Division of Insurance and Research, "FDIC State Tables"  
<<https://state-tables.fdic.gov/>> accessed June 9, 2023.

**Table 15.02-- FINANCE AND INSURANCE SECTOR (NAICS 52): 2021**

[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)
52	Total	1,541	20,627	1,771,542
522	Credit intermediation and related activities	671	10,745	901,420
5221	Depository credit intermediation	423	9,483	728,515
52211	Commercial banking	209	5,459	443,465
52212	Savings institutions	76	1,659	144,074
52213	Credit unions	138	2,365	140,976
5222	Nondepository credit intermediation	152	824	117,859
52229	Other nondepository credit intermediation	149	803	116,214
522291	Consumer lending	28	84	6,459
522292	Real estate credit	106	666	108,167
522298	All other nondepository credit intermediation	15	53	1,588
5223	Activities related to credit intermediation	96	438	55,046
52231	Mortgage and nonmortgage loan brokers	57	287	45,055
52232	Financial transactions processing, reserve, and clearinghouse activities	11	77	7,496
52239	Other activities related to credit intermediation	28	74	2,495
523	Securities, commodity contracts, and other financial investments and related activities	254	992	166,501
5231	Securities and commodity contracts intermediation and brokerage	42	279	56,201
52311	Investment banking and securities dealing	4	5	2,400
52312	Securities brokerage	32	266	53,277
52313	Commodity contracts dealing	4	5	104
5239	Other financial investment activities	212	713	110,300
52391	Miscellaneous intermediation	20	78	9,092
52392	Portfolio management	125	468	84,013
52393	Investment advice	63	142	14,699
52399	All other financial investment activities	4	25	2,496
523991	Trust, fiduciary, and custody activities	4	25	2,496

Continued on next page.

**Table 15.02-- FINANCE AND INSURANCE SECTOR (NAICS 52): 2021 -- Con.**

<b>NAICS code</b>	<b>Major group</b>	<b>Number of establishments 1/</b>	<b>Number of employees 2/</b>	<b>Annual payroll (\$1,000)</b>
524	Insurance carriers and related activities	615	8,885	703,297
5241	Insurance carriers	172	5,775	475,507
52411	Direct life, health, and medical insurance carriers	74	4,120	296,989
524113	Direct life insurance carriers	37	674	55,251
524114	Direct health and medical insurance carriers	37	3,446	241,738
52412	Direct insurance (except life, health, and medical) carriers	97	1,655	178,235
524126	Direct property and casualty insurance carriers	36	1,106	104,416
524127	Direct title insurance carriers	59	531	72,778
5242	Agencies, brokerages, and other insurance related activities	443	3,110	227,790
52421	Insurance agencies and brokerages	385	2,015	136,456
52429	Other insurance related activities	58	1,095	91,334
524291	Claims adjusting	9	99	6,427
524292	Third party administration of insurance and pension funds	45	970	83,130
524298	All other insurance related activities	4	26	1,777

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *2021 County Business Patterns* <<https://data.census.gov/table?q=CBP2021.CB2100CBP&g=040XX00US15&n=52:N0300.52:N0400.52:N0500.52:N0600.52&tid=CBP2021.CB2100CBP&nkd=EMPSZES~001,LFO~001>> accessed May 17, 2023.



**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
5221	Depository credit intermediation	450	(2/)	594,635	8,824
52211	Commercial banking	213	(3/)	378,959	5,198
5222	Nondepository credit intermediation	129	159,902	58,973	671
52222	Sales financing	5	16,832	1,607	23
5223	Activities related to credit intermediation	96	77,664	23,463	380
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
523	Securities, commodity contracts, and other financial investments and related activities	247	309,687	122,313	1,014
5231	Securities and commodity contracts intermediation and brokerage	38	103,904	44,351	300
52312	Securities brokerage	30	101,497	43,379	276
5239	Other financial investment activities	209	205,783	77,962	714
52392	Portfolio management	120	120,769	60,738	500
52393	Investment advice	61	27,292	8,482	105
524	Insurance carriers and related activities	560	(2/)	634,856	8,829
5241	Insurance carriers	152	(3/)	431,752	5,819
52412	Direct insurance (except life, health, and medical) carriers	(D)	(3/)	125,273	(4/)
5242	Agencies, brokerages, and other insurance related activities	408	635,049	203,104	3,010
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: 2017 <<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: 2019 TO 2022**

[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/	2019	2020	2021	2022
Number of institutions reporting	6	6	5	5
Total employees (full-time equivalent)	5,345	5,240	5,154	5,153
Aggregate condition and income data (In millions of dollars)				
Net income (year-to-date)	589	384	619	585
Total assets	45,675	51,397	56,623	57,020
Total loans and leases	29,713	31,355	31,163	34,149
Total deposits	38,680	44,664	50,123	50,330
Equity capital	4,566	4,815	5,012	4,199
Performance ratios (year-to-date, percent)				
Yield on earning assets	3.77	3.16	2.68	2.98
Net charge-offs to loans and leases	0.15	0.14	0.06	0.06
Return on assets	1.30	0.78	1.13	1.03
Return on equity	13.03	8.19	12.67	13.34
Condition ratios (percent)				
Net loans and losses to assets	64.38	59.98	54.33	59.24
Loss allowances to				
Loans and leases	1.03	1.68	1.29	1.09
Noncurrent loans and leases	582.86	951.63	825.38	867.74
Noncurrent loans and leases to total loans and leases	0.18	0.18	0.16	0.13

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, "FDIC State Tables"  
<<https://state-tables.fdic.gov/>> accessed June 7, 2023.

**Table 15.05-- CREDIT UNIONS: 1999 TO 2022**

[As of December 31]

<b>Year</b>	<b>Number of credit unions</b>	<b>Assets (dollars)</b>	<b>Shares (dollars)</b>	<b>Loans (dollars)</b>	<b>Number of credit union members</b>
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	53	11,161,324,522	9,783,958,886	5,731,008,313	838,873
2019	52	11,716,219,243	10,196,144,780	6,152,383,733	854,600
2020	51	13,554,455,478	11,977,653,091	6,130,467,193	863,191
2021	48	14,885,888,903	13,302,873,930	6,226,531,749	861,458
2022	48	14,869,675,664	13,447,778,400	7,263,194,474	862,275

Source: Hawaii Credit Union League, records.

**Table 15.06-- INSURANCE BUSINESS TRANSACTED IN HAWAII:  
1998 TO 2021**

[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	4,463,398	9,571,228
2019	1,064	5,575,678	4,915,286	8,584,882
2020	1,072	5,733,425	4,815,144	10,473,115
2021	1,080	6,146,799	5,127,125	9,674,708

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 May 31, 2023.

**Table 15.07-- LIFE INSURANCE BUSINESS TRANSACTED IN HAWAII:  
1998 TO 2021**

[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	10,098,822	135,978,198	796,510	2,066,415
2018	409	11,004,265	141,708,891	849,091	2,262,783
2019	407	21,083,278	146,490,384	864,303	2,302,296
2020	406	10,448,177	155,019,688	840,998	2,240,373
2021	403	10,898,387	157,586,913	918,093	2,467,202

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 March 13, 2023; and records.

**Table 15.08-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF INSURANCE: 2021**

[In dollars]

<b>Class of insurance</b>	<b>Premiums</b>	<b>Losses, claims, and benefits paid</b>
All classes 1/	6,146,799,490	5,127,125,399
Life 2/	907,412,297	2,459,037,244
Fraternal 2/	10,680,457	8,164,413
Fire, marine, casualty, and miscellaneous		
Accident and health 3/	2,114,832,846	1,592,839,935
Fire	87,979,780	10,983,727
Allied lines	74,520,852	27,400,693
Multiple peril crop	1,865,565	1,864,811
Federal flood	91,808,213	2,852,780
Private flood	7,720,736	934,588
Farmowners multiple peril	25	-
Homeowners multiple peril	418,778,098	153,876,359
Commercial multiple peril (non-liability portion)	129,528,056	38,890,618
Commercial multiple peril (liability portion)	57,670,015	18,198,681
Mortgage guaranty	19,557,921	1,710,788
Ocean marine	21,595,676	9,155,125
Inland marine	113,630,491	33,680,752
Financial guaranty	3,749,479	-
Medical malpractice	18,476,838	8,859,099
Earthquake	12,929,227	-
Workers' compensation	278,001,271	145,546,619
Other liability - occurrence	143,006,916	79,432,224
Other liability - claims-made	64,941,117	24,625,508
Excess workers' compensation	6,547,831	3,654,398
Products liability	5,299,005	1,774,594
Private passenger auto no-fault	76,655,648	30,079,952
Other private passenger auto liability	362,450,046	186,400,552
Commercial auto no-fault	5,690,827	1,345,307
Other commercial auto liability	86,154,981	33,471,464
Private passenger auto physical damage	367,041,866	210,141,700
Commercial auto physical damage	28,123,713	13,412,696
Aircraft (all perils)	11,815,219	15,054,005
Fidelity	4,813,096	-169,020
Surety	50,461,801	-4,277,331
Burglary and theft	909,523	797,075
Boiler and machinery	5,755,814	609,068
Credit	6,735,635	3,259,951
Warranty	3,360,385	1,998,944
Title	153,423,833	1,824,052
All other	2,534,631	640,084
Foreign risk retention group	13,276,772	9,053,944
Surplus lines (net of reinsurance)	377,062,988	(NA)

Continued on next page.

**Table 15.08-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF INSURANCE: 2021 -- 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, 2022* <<https://cca.hawaii.gov/ins/reports/>> accessed May 31, 2023.

**Table 15.09-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY LOCATION OF HOME OFFICE: 2021**

[As of December 31. In millions of dollars unless otherwise specified. For all insurance companies, life and property and casualty, licensed to do business in Hawaii]

Subject	All companies	Domestic companies 1/	Foreign companies 2/	Alien companies 3/
Number of companies	1,080	28	1,042	10
Life (incl. fraternal benefit societies) and health companies	403	13	385	5
All other companies	677	15	657	5
Financial condition				
Assets	10,502,164	2,914	10,470,547	28,703
Liabilities exc. capital and surplus	9,001,446	1,788	8,972,538	27,120
Policyholders' surplus incl. capital	1,500,717	1,125	1,498,009	1,583
Capital	6,429	60	6,365	5
Net income or loss	100,581	31	100,564	-14
Hawaii business				
Direct premiums written	7,365	739	6,608	18
Life	918	17	893	9
Annuities	1,608	(4/)	1,608	(4/)
Fire, casualty, and miscellaneous	4,838	722	4,107	9
Claims and benefits paid	5,557	327	5,215	15
Life	2,467	15	2,439	14
Annuities	439	(4/)	439	(4/)
Fire, casualty, and miscellaneous	2,651	312	2,337	1
Investments in Hawaii	9,675	1,130	8,544	-
Mortgage loans (principal indebtedness)	1,826	51	1,775	-
Collateral loans (amount loaned)	92	-	92	-
State and county bonds 5/	2,186	6	2,180	-
Utilities stocks and bonds 5/	890	-	890	-
Industrial and miscellaneous stocks and bonds 5/	3,920	716	3,204	-
Real estate 6/	761	358	403	-
Balances in Hawaii banks	795	742	52	-

Continued on next page.



**Table 15.09-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY  
LOCATION OF HOME OFFICE: 2021 -- 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/ Rounds to 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, 2022*, pp. 16-48 <[cca.hawaii.gov/ins/reports/](http://cca.hawaii.gov/ins/reports/)> accessed May 31, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 15.10-- HEALTH PLANS: 2018 TO 2022**

Subject	2018	2019	2020	2021	2022
Hawaii Medical Service Association					
Persons covered, Dec. 31 1/	724,008	727,287	741,911	765,716	779,833
Membership dues 2/ (\$1,000)	3,539,809	3,507,439	3,666,479	3,827,151	4,010,212
Kaiser Foundation Health Plan					
Persons covered, annual aver. 1/	253,449	253,608	256,418	259,624	265,572
Persons covered, Dec. 31 1/	251,659	254,288	257,456	262,280	267,544
Membership dues 2/ (\$1,000)	1,223,561	1,274,891	1,357,680	1,354,136	1,405,921
University Health Alliance 3/					
Persons covered, Dec. 31 1/	61,932	61,353	57,002	56,664	57,678
Membership dues 2/ (\$1,000)	327,882	333,460	322,374	325,677	337,764
Commercial carrier premiums for accident & health insurance (\$1,000)	1,885,160	1,866,791	2,065,597	2,114,833	(NA)

NA Not available.

1/ Subscribers and dependents, whether on a group or individual basis.

2/ Includes both employers' and employees' contributions.

3/ Excludes data relating to the Hawaii Health Connector.

Source: Hawaii Medical Service Association, Kaiser Foundation Health Plan, Inc., University Health Alliance, and Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner* (annual) <<https://cca.hawaii.gov/ins/reports/>> accessed May 31, 2023.

**Table 15.11-- PERCENT OF PERSONS NOT COVERED BY HEALTH INSURANCE, FOR HAWAII AND THE UNITED STATES: 2012 TO 2021**

[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
2019	4.2	0.4	4	9.2	0.1
2020	(5/)	(5/)	(5/)	(5/)	(5/)
2021	3.9	0.4	4	8.6	0.1
5-year average 6/					
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	7/ 3	9.4	0.1
2015-2019	3.9	0.1	3	8.8	0.1
2016-2020	3.9	0.2	3	8.7	0.1
2017-2021	4.0	0.2	3	8.8	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.

3/ Tied with the District of Columbia.

4/ Tied with Rhode Island.

5/ 2020 data not available because of disruption to the survey caused by COVID-19 pandemic.

6/ 5-year averages aren't comparable for overlapping years.

7/ 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/table?q=S2701&g=010XX00US\\_040XX00US15&tid=ACSST1Y2021.S2701](https://data.census.gov/table?q=S2701&g=010XX00US_040XX00US15&tid=ACSST1Y2021.S2701)> accessed June 8, 2023.

**Table 15.12-- HEALTH INSURANCE OFFER, ELIGIBILITY AND TAKE UP RATES FOR PRIVATE-SECTOR ESTABLISHMENTS AND EMPLOYEES: 2021**

[In percent]

Subject	Hawaii			United States
	State	Urban Honolulu	Remainder of state	
Establishments that offer health insurance	81.9	84.6	76.5	49.2
Employees in establishments that offer health insurance	97.2	97.8	95.5	85.7
Employees eligible for health insurance in establishments that offer health insurance	79.2	79.0	79.8	80.3
Employees eligible for health insurance that are enrolled in health insurance at establishments that offer health insurance	79.1	81.2	73.3	69.8
Employees that are enrolled in health insurance at establishments that offer health insurance	62.6	64.1	58.5	56.0

Source: U.S. Department of Health & Human Services, Agency for Healthcare Research and Quality, Medical Expenditure Panel Survey Insurance Component <[https://meps.ahrq.gov/mepsweb/data\\_stats/publications.jsp](https://meps.ahrq.gov/mepsweb/data_stats/publications.jsp)> accessed June 9, 2023.

**Table 15.13-- HEALTH INSURANCE PREMIUMS AND OTHER COSTS FOR PRIVATE-SECTOR ESTABLISHMENTS AND EMPLOYEES: 2021**

Subject	Unit	Hawaii	United States
Premium and contribution			
Single coverage			
Average total single premium per enrolled employee	Dollars	6,573	7,380
Percent of total premiums contributed by employees	Percent	14.8	22.3
Family coverage			
Average total family premium	Dollars	18,539	21,381
Percent of total premiums contributed by employees	Percent	32.1	28.9
Employee-plus-one coverage			
Average total employee-plus-one premium per enrolled employee	Dollars	12,733	14,634
Percent of total premiums contributed by employees	Percent	29.3	28.7
Deductible			
Percent of employees enrolled in a plan that had a deductible	Percent	35.5	88.5
Average individual deductible per employee enrolled with single coverage plan that had a deductible	Dollars	1,232	2,004
Average family deductible per employee enrolled with family coverage plan that had a deductible	Dollars	2,570	3,868
Copayment			
Percent of employees enrolled in a plan that had a copayment for an office visit to a physician	Percent	61.6	56.8
Average copayment for an office visit to a physician per employee enrolled in a plan that had a physician copayment	Dollars	18.69	27.41

Continued on next page.

**Table 15.13-- HEALTH INSURANCE PREMIUMS AND OTHER COSTS FOR PRIVATE-SECTOR ESTABLISHMENTS AND EMPLOYEES: 2021 -- Con.**

Subject	Unit	Hawaii	United States
Coinsurance			
Percent of employees enrolled in a plan that had a coinsurance payment for an office visit to a physician	Percent	35.9	38.3
Average coinsurance for an office visit to a physician per employee enrolled in a plan that had coinsurance payment for an office visit	Percent	13.8	20.8
Maximum out-of-pocket			
Percent of employees enrolled with single coverage plan that had an individual maximum out-of-pocket	Percent	68.9	93.5
Percent of employees enrolled with family coverage plan that had a family maximum out-of-pocket	Percent	64.4	89.6
Average individual out-of-pocket maximum per employee enrolled with single coverage plan that had a maximum out-of-pocket	Dollars	3,200	4,688
Average family maximum out-of-pocket per employee enrolled with family coverage plan that had a maximum out-of-pocket	Dollars	8,193	8,983

Source: U.S. Department of Health & Human Services, Agency for Healthcare Research and Quality, Medical Expenditure Panel Survey Insurance Component <[https://meps.ahrq.gov/mepsweb/data\\_stats/publications.jsp](https://meps.ahrq.gov/mepsweb/data_stats/publications.jsp)> accessed June 9, 2023.

**Table 15.14-- UNINSURED PERSONS BY SELECTED AGE GROUP,  
BY COUNTY: 2020**

[The Small Area Health Insurance Estimates (SAHIE) program models health insurance coverage by combining survey data with population estimates and administrative records]

<b>Age group and subject</b>	<b>State total 1/</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kauai</b>	<b>Maui</b>
Under age 65					
Number in population group	1,153,478	163,859	790,837	58,676	140,106
Number uninsured	54,122	8,933	33,782	3,301	8,106
Percent uninsured	4.7	5.5	4.3	5.6	5.8
Under 19 years old					
Number in population group	319,044	46,687	216,817	16,666	38,874
Number uninsured	9,314	1,356	5,901	622	1,435
Percent uninsured	2.9	2.9	2.7	3.7	3.7
18 to 64 years old					
Number in population group	847,611	119,281	582,712	42,715	102,903
Number uninsured	45,566	7,673	28,367	2,733	6,793
Percent uninsured	5.4	6.4	4.9	6.4	6.6
21 to 64 years old					
Number in population group	808,086	113,454	555,964	40,662	98,006
Number uninsured	43,076	7,340	26,743	2,575	6,418
Percent uninsured	5.3	6.5	4.8	6.3	6.5
40 to 64 years old					
Number in population group	448,263	67,536	298,375	24,075	58,277
Number uninsured	20,475	3,759	11,892	1,337	3,487
Percent uninsured	4.6	5.6	4.0	5.6	6.0
50 to 64 years old					
Number in population group	271,924	42,475	178,747	14,867	35,835
Number uninsured	11,245	2,230	6,392	818	1,805
Percent uninsured	4.1	5.3	3.6	5.5	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](https://census.gov/data-tools/demo/sahie/#/?s_statefips=15&s_agecat=0)> accessed June 13, 2023.

**Table 15.15-- FIRES, DEATHS, AND LOSSES, BY COUNTY: 2012 TO 2022**

[Fiscal year ending June 30]

Subject and year	State total	Honolulu	Hawaii	Kauai	Maui
<b>Number of fires</b>					
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	3,980	2,235	752	270	723
2019	4,274	2,361	858	324	731
2020	4,486	2,521	1,012	303	650
2021	4,490	2,579	1,009	394	508
2022	5,019	2,721	1,051	607	640
<b>Fire deaths</b>					
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	5	3	1	1	-
2019	7	6	1	-	-
2020	9	5	4	-	-
2021	5	3	2	-	-
2022	4	4	-	-	-
<b>Fire losses (\$1,000)</b>					
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	55,877	40,537	6,382	2,589	6,369
2019	42,138	26,823	6,098	5,391	3,826
2020	33,953	21,834	4,933	3,478	3,708
2021	32,365	24,889	4,184	1,697	1,595
2022	52,322	34,749	10,537	4,378	2,658

Source: County fire departments.



**Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS:  
2011 TO 2021**

[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 2010-2016, for 2017-2021 based on the 2017 North American Industry Classification System (NAICS)]

Year	Number of employees 1/	Payroll (\$1,000)		Number of establishments by employment-size class 2/		
		First quarter	Annual	Total	1 to 4	5 to 9
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
2018	551,681	6,292,044	25,119,473	32,952	17,109	6,227
2019	553,206	6,431,107	25,838,555	32,889	17,090	6,305
2020	549,375	6,669,058	23,755,861	32,627	17,127	6,269
2021	469,179	5,803,115	25,513,923	32,488	18,331	5,885

Year	Number of establishments by employment-size class 2/--Con.						
	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 or more
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
2018	4,487	3,164	1,180	536	146	70	33
2019	4,369	3,170	1,164	541	146	72	32
2020	4,191	3,106	1,150	529	148	74	33
2021	3,869	2,831	925	436	136	51	24

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/table?q=CB2100CBP&g=040XX00US15,15\\$0500000&tid=CBP2021.CB2100CBP&nkd=EMPSZES~001,LFO~001](https://data.census.gov/table?q=CB2100CBP&g=040XX00US15,15$0500000&tid=CBP2021.CB2100CBP&nkd=EMPSZES~001,LFO~001)> accessed June 13, 2023.

**Table 15.17-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,  
BY COUNTY: 2019 TO 2021**

[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
2019				
State total	32,889	553,206	6,431,107	25,838,555
Hawaii	4,196	56,111	560,632	2,293,618
Honolulu	21,420	368,904	4,512,309	17,932,403
Kauai	2,196	28,272	289,161	1,193,178
Maui	4,838	67,706	729,900	2,992,576
2020				
State total	32,627	549,375	6,669,058	23,755,861
Hawaii	4,178	55,669	584,591	2,107,376
Honolulu	21,237	364,092	4,652,754	16,853,715
Kauai	2,143	27,104	283,404	918,901
Maui	4,798	67,107	749,628	2,403,335
2021				
State total	32,488	469,179	5,803,115	25,513,923
Hawaii	4,251	49,112	528,223	2,348,586
Honolulu	20,973	311,947	4,117,157	17,596,708
Kauai	2,149	22,166	210,173	1,078,799
Maui	4,818	54,884	579,351	2,770,031

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/table?q=CB2100CBP&g=040XX00US15,15\\$0500000&tid=CBP2021.CB2100CBP&nkd=EMPSZES~001,LFO~001](https://data.census.gov/table?q=CB2100CBP&g=040XX00US15,15$0500000&tid=CBP2021.CB2100CBP&nkd=EMPSZES~001,LFO~001)> accessed June 13, 2023.

**Table 15.18-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS, BY MAJOR GROUP: 2021**

[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)]

<b>NAICS code</b>	<b>Major group</b>	<b>Number of establishments 1/</b>	<b>Number of employees 2/</b>	<b>Annual payroll (\$1,000)</b>
	Total	32,488	469,179	25,513,923
11	Agriculture, forestry, fishing and hunting	43	201	9,857
114	Fishing, hunting and trapping	22	41	1,349
115	Support activities for agriculture and forestry	19	155	8,304
21	Mining, quarrying, and oil and gas extraction	6	145	10,470
212	Mining (except oil and gas)	3	113	8,631
213	Support activities for mining	3	32	1,839
22	Utilities	78	3,558	395,267
23	Construction	2,944	30,890	2,435,642
236	Construction of buildings	1,007	8,566	731,368
237	Heavy and civil engineering construction	131	2,786	267,867
238	Specialty trade contractors	1,806	19,538	1,436,407
31-33	Manufacturing	735	10,719	516,577
311	Food manufacturing	245	4,375	165,130
312	Beverage and tobacco product manufacturing	40	1,175	50,412
314	Textile product mills	18	82	3,358
315	Apparel manufacturing	34	202	6,337
321	Wood product manufacturing	25	302	12,009
323	Printing and related support activities	79	721	27,499
324	Petroleum and coal products manufacturing	3	296	28,907
325	Chemical manufacturing	27	352	19,804
326	Plastics and rubber products manufacturing	12	167	8,177
327	Nonmetallic mineral product manufacturing	39	934	73,401
332	Fabricated metal product manufacturing	38	347	25,942
333	Machinery manufacturing	8	84	5,481
334	Computer and electronic product manufacturing	7	73	6,897
336	Transportation equipment manufacturing	17	694	41,617
337	Furniture and related product manufacturing	39	235	11,523
339	Miscellaneous manufacturing	99	620	28,107

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**Table 15.18-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,  
BY MAJOR GROUP: 2021 -- Con.**

<b>NAICS code</b>	<b>Major group</b>	<b>Number of establishments 1/</b>	<b>Number of employees 2/</b>	<b>Annual payroll (\$1,000)</b>
42	Wholesale trade	1,460	16,324	999,789
423	Merchant wholesalers, durable goods	691	6,330	452,274
424	Merchant wholesalers, nondurable goods	672	9,569	523,781
425	Wholesale electronic markets and agents and brokers	97	425	23,734
44-45	Retail trade	4,384	61,474	2,272,324
441	Motor vehicle and parts dealers	323	6,128	400,276
442	Furniture and home furnishings stores	166	1,034	47,375
443	Electronics and appliance stores	77	893	39,605
444	Building material and garden equipment and supplies dealers	226	5,173	175,811
445	Food and beverage stores	596	13,919	437,430
446	Health and personal care stores	394	3,936	150,833
447	Gasoline stations	253	2,369	88,578
448	Clothing and clothing accessories stores	1,110	10,693	300,188
451	Sporting goods, hobby, musical instrument and book stores	204	1,246	37,572
452	General merchandise stores	83	10,994	395,996
453	Miscellaneous store retailers	637	4,117	141,987
454	Nonstore retailers	315	972	56,673
48-49	Transportation and warehousing	953	25,832	1,495,111
481	Air transportation	61	8,875	570,539
483	Water transportation	17	831	79,613
484	Truck transportation	230	3,698	201,361
485	Transit and ground passenger transportation	109	3,492	170,301
487	Scenic and sightseeing transportation	223	2,413	132,884
488	Support activities for transportation	197	3,413	205,830
492	Couriers and messengers	56	2,305	91,434
493	Warehousing and storage	59	796	42,138
51	Information	582	6,285	486,601
511	Publishing industries (except internet)	103	750	58,462
512	Motion picture and sound recording industries	99	539	15,726
515	Broadcasting (except internet)	51	758	49,476
517	Telecommunications	248	3,600	314,484
518	Data processing, hosting and related services	52	577	43,475
519	Other information services	29	61	4,978
52	Finance and insurance	1,541	20,627	1,771,542
522	Credit intermediation and related activities	671	10,745	901,420

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**Table 15.18-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,  
BY MAJOR GROUP: 2021 -- Con.**

NAICS code	Major group	Number of establishments 1/	Number of employees 2/	Annual payroll (\$1,000)
523	Securities, commodity contracts and other financial investments	254	992	166,501
524	Insurance carriers and related activities	615	8,885	703,297
53	Real estate and rental and leasing	2,040	11,467	749,542
531	Real estate	1,666	9,209	624,159
532	Rental and leasing services	368	2,189	118,617
533	Lessors of nonfinancial intangible assets (except copyrighted works)	6	69	6,766
54	Professional, scientific and technical services	3,414	23,313	1,803,330
55	Management of companies and enterprises	230	7,033	634,415
56	Administrative and support and waste management and remediation services	1,845	58,599	2,713,810
561	Administrative and support services	1,728	56,944	2,609,463
562	Waste management and remediation services	117	1,655	104,347
61	Educational services	557	14,836	691,330
62	Health care and social assistance	3,746	71,022	4,622,599
621	Ambulatory health care services	2,787	29,946	2,140,731
622	Hospitals	29	21,017	1,782,489
623	Nursing and residential care facilities	183	8,478	340,298
624	Social assistance	747	11,581	359,081
71	Arts, entertainment and recreation	538	7,619	300,739
711	Performing arts, spectator sports and related industries	196	1,176	61,591
712	Museums, historical sites and similar institutions	54	1,303	54,542
713	Amusement, gambling and recreation industries	288	5,140	184,606
72	Accommodation and food services	3,799	78,153	2,794,001
721	Accommodation	333	27,066	1,396,695
722	Food services and drinking places	3,466	51,087	1,397,306
81	Other services (except public administration)	3,552	21,016	807,924
811	Repair and maintenance	665	3,030	152,055
812	Personal and laundry services	1,036	5,882	179,357
813	Religious, grantmaking, civic, professional and similar organizations	1,851	12,104	476,512
99	Industries not classified	41	66	3,053

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *2021 County Business Patterns* <<https://data.census.gov/table?q=CB2100CBP&g=040XX00US15&n=N0200.00:N0300.00&tid=CBP2021.CB2100CBP&nkd=EMPSZES~001,LFO~001>> accessed June 14, 2023.

**Table 15.19-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,  
BY EMPLOYMENT-SIZE CLASS: 2020 AND 2021**

[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)	
	2020	2021	2020	2021	2020	2021
Total	32,627	32,488	549,375	469,179	23,755,861	25,513,923
1 to 4	17,127	18,331	30,004	30,302	1,459,578	1,794,829
5 to 9	6,269	5,885	41,420	38,808	1,644,437	1,853,202
10 to 19	4,191	3,869	56,612	52,358	2,277,166	2,541,939
20 to 49	3,106	2,831	92,544	84,017	3,675,253	4,164,362
50 to 99	1,150	925	78,903	62,900	3,275,343	3,316,060
100 to 249	529	436	79,544	64,691	3,228,277	3,423,936
250 to 499	148	136	49,418	45,873	2,176,487	2,529,792
500 to 999	74	51	50,195	35,927	2,427,676	2,299,131
1,000 or more	33	24	70,735	54,303	3,591,644	3,590,672

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/table?q=CB2100CBP&g=040XX00US15&n=N0200.00:N0300.00&tid=CBP2021.CB2100CBP&nkd=EMPSZES~001:210:220:230:241:242:251:252:254:260:262:263:271:273,LFO~001>> accessed June 14, 2023.

**Table 15.20-- REGISTERED CORPORATIONS AND PARTNERSHIPS:  
2018 TO 2022**

[Fiscal year ending June 30. Excludes nonprofit corporations]

Subject	2018	2019	2020	2021	2022
Domestic (Hawaii) corporations					
Formed	1,924	1,631	1,612	1,939	1,394
Dissolved or merged 1/	1,938	2,186	2,325	1,996	1,977
On record, June 30 2/	29,281	28,738	28,033	28,016	27,455
Foreign (non-Hawaii) corporations					
Qualified	1,238	1,398	1,335	1,529	1,599
Withdrawn, merged, or cancelled	804	902	986	957	986
On record, June 30	13,803	14,299	14,644	15,219	15,829
Partnerships					
Registered	277	310	359	444	386
Dissolved or cancelled	371	444	441	375	367
On record, June 30	4,226	4,091	3,999	4,057	4,070
Domestic (Hawaii) Limited liability companies					
Formed	11,372	12,039	12,955	18,091	18,418
Dissolved or merged	6,240	7,795	8,729	8,160	8,341
On record, June 30	74,240	78,525	82,748	92,806	102,952
Foreign (non-Hawaii) Limited liability companies					
Qualified	1,518	1,698	1,646	2,039	2,090
Withdrawn or merged	640	856	854	834	913
On record, June 30	10,338	11,181	11,971	13,176	14,354
Domestic (Hawaii) Limited liability partnerships					
Formed	64	69	72	102	72
Dissolved or merged	69	80	71	76	63
On record, June 30	476	465	466	492	501
Foreign (non-Hawaii) Limited liability partnerships					
Qualified	14	15	9	21	17
Withdrawn or cancelled	8	6	7	5	7
On record, June 30	114	123	125	140	151

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.

Source: Hawaii State Department of Commerce and Consumer Affairs, Business Registration Division, records.

**Table 15.21-- CHARACTERISTICS OF C AND S CORPORATIONS, FINANCIAL CORPORATIONS, PARTNERSHIPS, AND PROPRIETORSHIPS: 2020**

[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	195,698	16,489	17,524	233	10,749	95,820	54,883
Percent	100.0	8.4	9.0	0.1	5.5	49.0	28.0
Number of businesses by taxation district							
First (Oahu)	130,962	14,291	11,645	224	8,604	58,168	38,030
Second (Maui, Molokai, Lanai)	26,836	892	2,795	(D)	907	14,637	7,603
Third (Hawaii)	27,078	1,029	2,028	(D)	863	16,982	6,171
Fourth (Kauai, Niihau)	10,822	277	1,056	(D)	375	6,033	3,079
Business receipts	120,740	71,924	22,294	3,756	14,807	5,902	2,058
Percent	100.0	59.6	18.5	3.1	12.3	4.9	1.7
Business with \$1 million or more in business receipts	9,245	3,984	3,060	101	1,389	668	43
Percent	100.0	64.5	17.7	3.4	12.7	1.6	0.1
Amount	108,058	69,702	19,085	3,718	13,768	1,689	96
Business with net profit	22,504	5,961	11,261	168	5,114	(NA)	(NA)
Amount of net profit	7,941	3,162	1,999	908	1,872	(NA)	(NA)
Amount of net loss	6,973	2,994	641	105	3,232	(NA)	(NA)

D Data were suppressed to avoid potential disclosure of confidential taxpayer information but included in total.

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 2020* (October 2022) <[http://tax.hawaii.gov/stats/a5\\_1annual/a5\\_6bus\\_inc/](http://tax.hawaii.gov/stats/a5_1annual/a5_6bus_inc/)> accessed June 14, 2023.



**Table 15.22-- 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]

Employment size of the enterprise 1/	Number (initial year)	Numerical change	Births 2/	Deaths 3/	Expansions	Contractions
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 or more employees	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 or more employees	252,337	-1,890	6,716	-3,474	15,865	-20,997

1/ 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.

2/ Establishments that have zero employment in the first quarter of the initial year and positive employment in the first quarter of the subsequent year.

3/ Establishments that have positive employment in the first quarter of the initial year and zero employment in the first quarter of the subsequent year.

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 15.23--TOP INDUSTRIES FOR EMPLOYMENT: 2012 AND 2017**

[Ranking based on 2017 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 15.24-- TOP 10 PRIVATE INDUSTRIES EMPLOYMENT AND EARNINGS, BY COUNTY: 2021-2022**

[Data averaged for 3rd quarter of 2021 through 2nd quarter of 2022. 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	486,309	4,986
1	722	Food services and drinking places	57,971	2,774
2	721	Accommodation	34,455	4,952
3	561	Administrative and support services	34,388	3,750
4	621	Ambulatory health care services	32,139	6,601
5	541	Prof., scientific, & technical services	25,902	7,584
6	238	Specialty trade contractors	21,437	6,083
7	622	Hospitals	16,898	7,325
8	445	Food and beverage stores	15,187	3,108
9	624	Social assistance	14,178	3,120
10	452	General merchandise stores	13,206	3,097
		Hawaii County	52,511	4,334
1	722	Food services and drinking places	5,743	2,749
2	721	Accommodation	5,413	4,693
3	561	Administrative and support services	4,136	3,457
4	621	Ambulatory health care services	3,815	5,226
5	445	Food and beverage stores	2,241	2,882
6	452	General merchandise stores	2,089	3,046
7	624	Social assistance	2,061	2,811
8	238	Specialty trade contractors	1,839	4,906
9	541	Prof., scientific, & technical services	1,636	6,508
10	111	Crop production	1,499	3,420
		City & County of Honolulu	346,304	5,178
1	722	Food services and drinking places	40,097	2,653
2	561	Administrative and support services	24,052	3,842
3	621	Ambulatory health care services	23,646	6,858
4	541	Prof., scientific, & technical services	21,746	7,759
5	238	Specialty trade contractors	16,236	6,362
6	721	Accommodation	14,585	4,906
7	622	Hospitals	14,328	7,539
8	624	Social assistance	10,043	3,201
9	445	Food and beverage stores	9,835	3,130
10	611	Education services	9,608	4,556

Continued on next page.

**Table 15.24-- TOP 10 PRIVATE INDUSTRIES EMPLOYMENT AND EARNINGS, BY COUNTY: 2021-2022 -- Con.**

Rank	NAICS code	State/county and industry 1/	Average quarterly employment	Average monthly earnings (\$)
		Kauai County	22,826	4,395
1	722	Food services and drinking places	3,458	2,842
2	721	Accommodation	3,310	4,679
3	561	Administrative and support services	1,591	3,648
4	621	Ambulatory health care services	1,036	5,947
5	238	Specialty trade contractors	973	5,454
6	236	Construction of buildings	806	6,293
7	541	Prof., scientific, & technical services	762	6,619
8	713	Amusement, gambling and recreation industries	721	3,930
9	445	Food and beverage stores	717	2,940
10	622	Hospitals	605	5,779
		Maui County	64,667	4,685
1	721	Accommodation	11,146	5,219
2	722	Food services and drinking places	8,673	3,341
3	561	Administrative and support services	4,608	3,578
4	621	Ambulatory health care services	3,641	6,577
5	445	Food and beverage stores	2,393	3,267
6	238	Specialty trade contractors	2,387	5,335
7	541	Prof., scientific, & technical services	1,757	6,852
8	452	General merchandise stores	1,735	3,306
9	624	Social assistance	1,602	3,016
10	813	Religious, grantmaking, civic, professional & similar organizations	1,583	3,725

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 14, 2023.

**Table 15.25-- LARGEST PUBLIC AND PRIVATE COMPANIES: 2021**

[Highest gross sales in 2021 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	Matson, Inc.	1882	3,925.0	2,441
2	Hawaii Medical Service Assn. (HMSA)	1938	3,827.2	1,564
3	Servco Pacific Inc.	1919	3,103.0	2,121
4	Hawaiian Electric Industries, Inc. 2/	1891/1983	2,850.4	3,597
5	Par Hawaii	2012	2,763.8	636
6	Kaiser Permanente Hawaii	1958	1,882.4	2,749
7	University of Hawaii	1907	1,760.8	7,896
8	Hawaiian Telcom	1883	1,693.1	1,100
9	The Queen's Health Systems 2/	1859/1985	1,607.9	6,394
10	Hawaiian Airlines	1929	1,596.6	5,667

1/ Information on "Year founded" was obtained from previous *Hawaii Business* issues and Internet search, year founded information was no longer provided in *Hawaii Business* ranking table.

2/ The first year is the founding date of the original company and the second year is when it became a holding company, was sold, or legally changed its name or year of incorporation.

Source: *Hawaii Business*, "Hawaii's Top 250 Companies 2021" (October 4, 2021)  
 <<https://www.hawaiibusiness.com/hawaiis-top-250-companies-2021/>> accessed June 14, 2023 and various earlier issues.

**Table 15.26-- TOTAL GROSS ANNUAL SALES OF SELECTED COMPANIES: 2020 AND 2021**

[Includes companies with a percentage increase of over 100 percent. Rank based on percentage increase in gross annual sales between 2020 and 2021]

Rank	Company	2020 1/	2021 1/	Percent change
1	Alana Investment Group LLC.	0.9	6.5	651.0
2	Malama Solar	1.9	12.6	569.0
3	Hawaiian Telcom 2/	334.4	1,693.1	406.3
4	Pleasant Holidays LLC.	6.6	32.9	398.5
5	Catholic Charities Hawaii	31.0	118.6	282.3
6	Pacific Fleet Submarine Memorial Assoc.	1.9	6.9	273.0
7	Century 21 Iproperties Hawaii	4.1	14.5	250.8
8	USS Missouri Memorial	4.8	14.1	192.7
9	Coconut Condos	1.9	5.4	186.2
10	Kualoa Ranch Hawaii Inc.	17.7	50.5	185.6
11	Kawailoa Development LLP.	36.6	104.5	185.5
12	Tanaka of Tokyo Restaurants Ltd.	4.2	11.0	162.7
13	Kona Coast Property Management LLC.	1.7	4.5	159.1
14	Alaska Airlines	185.2	456.7	146.6
15	Aloha Harvest	1.6	3.7	137.7
16	Layton Construction	81.7	191.3	134.2
17	Na Hoku	40.0	93.0	132.5
18	The Polynesian Cultural Center	17.7	39.0	120.3
19	Kyo-Ya Hotels & Resorts LP.	184.5	405.3	119.7
20	Pearl Harbor Aviation Museum	1.8	3.8	105.7

1/ Gross annual sales in million dollars.

2/ Hawaiian Telcom was acquired by Macquarie Infrastructure Partner V, an unlisted infrastructure fund managed by Macquarie Asset Management, in September 2021. Revenue recorded in the period prior to the acquisition totaled \$1,138.7 million and revenue recorded subsequent to the acquisition totaled \$554.4 million for combined revenue of 1,693.1 million which is considered a non-GAAP measure.

Source: *Hawaii Business*, "Hawaii's Top 250 Companies 2021" (October 4, 2021)  
<https://www.hawaiibusiness.com/hawaiis-top-250-companies-2021/> accessed June 14, 2023.

**Table 15.27-- NONEMPLOYER STATISTICS, FOR HAWAII AND THE UNITED STATES: 2004 TO 2019**

[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
2019 3/	116,783	5,887,228	27,104,006	1,341,361,655

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**Table 15.27-- NONEMPLOYER STATISTICS, FOR HAWAII AND THE UNITED STATES: 2004 TO 2019 -- Con.**

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; 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](https://data.census.gov/cedsci/table?q=NS1800NONEMP&g=0400000US15_0100000US&hidePreview=true&tid=NONEMP2018.NS1800NONEMP&vintage=2018&n=00)> accessed July 3, 2020. NS1900NONEMP "All Sectors: Nonemployer Statistics by Legal Form of Organization and Receipts Size Class for the U.S., States, and Selected Geographies: 2019" <[https://data.census.gov/table?q=NS1900NONEMP&g=040XX00US15\\_010XX00US&n=00&tid=NONEMP2019.NS1900NONEMP&nkd=LFO~001,RCPSZES~001](https://data.census.gov/table?q=NS1900NONEMP&g=040XX00US15_010XX00US&n=00&tid=NONEMP2019.NS1900NONEMP&nkd=LFO~001,RCPSZES~001)> accessed June 14, 2023.



**Table 15.28-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,  
BY MAJOR GROUP: 2018 AND 2019**

[Data 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. Based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Major group	2018		2019	
		Number of firms 1/	Receipts 2/ (\$1,000)	Number of firms 1/	Receipts 2/ (\$1,000)
	Total	112,589	5,556,071	116,783	5,887,228
11	Agriculture, forestry, fishing & hunting	1,904	78,985	1,987	86,757
21	Mining, quarrying, & oil & gas extraction	16	2,361	16	1,793
22	Utilities	206	16,659	202	17,891
23	Construction	8,784	581,068	9,172	599,659
31-33	Manufacturing	2,033	93,474	1,950	95,374
42	Wholesale trade	2,395	190,450	2,324	190,278
44-45	Retail trade	10,347	455,773	10,602	459,777
48-49	Transportation and warehousing	8,179	199,863	9,266	244,529
51	Information	1,267	44,914	1,304	50,460
52	Finance and insurance	2,984	232,994	3,034	299,885
53	Real estate and rental and leasing	13,166	1,281,216	13,424	1,299,735
54	Professional, scientific, & tech. services	16,104	717,929	16,664	776,812
56	Admin. & support & waste mgt. & remediation services	11,305	329,304	11,901	366,370
61	Educational services	3,252	61,754	3,912	73,963
62	Health care and social assistance	8,516	447,797	8,648	463,885
71	Arts, entertainment, and recreation	6,945	218,182	7,475	237,042
72	Accommodation and food services	2,530	148,385	2,683	153,365
81	Other services (except public admin.)	12,656	454,963	12,219	469,653
99	Industries not classified	(X)	(X)	(X)	(X)

Continued on next page.

**Table 15.28-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,  
BY MAJOR GROUP: 2018 AND 2019 -- 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.

Source: U.S. Census Bureau, "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: 2018" NS1800NONEMP <<https://data.census.gov/cedsci/table?q=Nonemployer%20Statistics&g=0400000US15&n=N0200.00&tid=NONEMP2018.NS1800NONEMP&nkd=LFO~002>> accessed June 2, 2022 and "All Sectors: Nonemployer Statistics by Legal Form of Organization and Receipts Size Class for the U.S., States, and Selected Geographies: 2019" NS1900NONEMP <<https://data.census.gov/table?q=NS1900NONEMP&g=040XX00US15&n=N0200.00&tid=NONEMP2019.NS1900NONEMP&nkd=LFO~001>> accessed June 14, 2023.

**Table 15.29-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,  
BY MAJOR GROUP: 2019**

[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 (\$1,000)
	Total	116,783	5,887,228
11	Agriculture, forestry, fishing and hunting	1,987	86,757
113	Forestry and logging	65	2,195
114	Fishing, hunting and trapping	1,130	66,115
115	Support activities for agriculture and forestry	792	18,447
21	Mining, quarrying, and oil and gas extraction	16	1,793
212	Mining (except oil and gas)	10	1,598
213	Support activities for mining	6	195
22	Utilities	202	17,891
23	Construction	9,172	599,659
236	Construction of buildings	3,439	246,843
237	Heavy and civil engineering construction	94	8,825
238	Specialty trade contractors	5,639	343,991
31-33	Manufacturing	1,950	95,374
311	Food manufacturing	349	18,439
312	Beverage and tobacco product manufacturing	13	2,324
313	Textile mills	24	1,347
314	Textile product mills	15	393
315	Apparel manufacturing	312	11,447
316	Leather and allied product manufacturing	10	308
321	Wood product manufacturing	176	8,376
322	Paper manufacturing	4	83
323	Printing and related support activities	130	8,604
324	Petroleum and coal products manufacturing	5	169
325	Chemical manufacturing	55	3,217
326	Plastics and rubber products manufacturing	14	1,374
327	Nonmetallic mineral product manufacturing	59	2,325
331	Primary metal manufacturing	10	347
332	Fabricated metal product manufacturing	81	4,824
333	Machinery manufacturing	27	1,184
334	Computer and electronic product manufacturing	25	1,138
335	Electrical equipment, appliance, and component manufacturing	11	637
336	Transportation equipment manufacturing	15	367
337	Furniture and related product manufacturing	93	5,782
339	Miscellaneous manufacturing	522	22,689

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**Table 15.29-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,  
BY MAJOR GROUP: 2019 -- Con.**

<b>2017 NAICS code</b>	<b>Major group 1/</b>	<b>Number of firms 2/</b>	<b>Receipts (\$1,000)</b>
42	Wholesale trade	2,324	190,278
423	Merchant wholesalers, durable goods	990	83,478
424	Merchant wholesalers, nondurable goods	1,023	90,441
425	Wholesale electronic markets and agents and brokers	311	16,359
44-45	Retail trade	10,602	459,777
441	Motor vehicle and parts dealers	342	27,191
442	Furniture and home furnishings stores	101	8,309
443	Electronics and appliance stores	64	3,058
444	Building material and garden equipment and supplies dealers	159	10,424
445	Food and beverage stores	535	44,431
446	Health and personal care stores	715	22,701
447	Gasoline stations	11	1,366
448	Clothing and clothing accessories stores	1,057	62,863
451	Sporting goods, hobby, musical instrument, and book stores	489	22,969
452	General merchandise stores	146	9,349
453	Miscellaneous store retailers	1,385	93,944
454	Nonstore retailers	5,598	153,172
48-49	Transportation and warehousing	9,266	244,529
481	Air transportation	82	3,054
483	Water transportation	42	1,371
484	Truck transportation	342	29,547
485	Transit and ground passenger transportation	7,435	167,342
487	Scenic and sightseeing transportation	201	12,245
488	Support activities for transportation	284	16,156
492	Couriers and messengers	828	12,525
493	Warehousing and storage	51	2,286
51	Information	1,304	50,460
511	Publishing industries (except internet)	187	6,706
512	Motion picture and sound recording industries	642	26,736
515	Broadcasting (except internet)	57	1,825
517	Telecommunications	48	2,049
518	Data processing, hosting, and related services	156	5,523
519	Other information services	214	7,621
52	Finance and insurance	3,034	299,885
522	Credit intermediation and related activities	184	14,564
523	Securities, commodity contracts, and other financial investments and related activities	855	168,772
524	Insurance carriers and related activities	1,995	116,549

Continued on next page.

**Table 15.29-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,  
BY MAJOR GROUP: 2019 -- Con.**

<b>2017 NAICS code</b>	<b>Major group 1/</b>	<b>Number of firms 2/</b>	<b>Receipts (\$1,000)</b>
53	Real estate and rental and leasing	13,424	1,299,735
531	Real estate	12,735	1,254,444
532	Rental and leasing services	680	44,496
533	Lessors of nonfinancial intangible assets (except copyrighted works)	9	795
54	Professional, scientific, and technical services	16,664	776,812
56	Administrative and support and waste management and remediation services	11,901	366,370
561	Administrative and support services	11,824	357,032
562	Waste management and remediation services	77	9,338
61	Educational services	3,912	73,963
62	Health care and social assistance	8,648	463,885
621	Ambulatory health care services	5,841	367,525
623	Nursing and residential care facilities	1,086	54,708
624	Social assistance	1,721	41,652
71	Arts, entertainment, and recreation	7,475	237,042
711	Performing arts, spectator sports, and related industries	6,422	166,762
712	Museums, historical sites, and similar institutions	36	1,705
713	Amusement, gambling, and recreation industries	1,017	68,575
72	Accommodation and food services	2,683	153,365
721	Accommodation	786	43,765
722	Food services and drinking places	1,897	109,600
81	Other services (except public administration)	12,219	469,653
811	Repair and maintenance	2,333	117,082
812	Personal and laundry services	9,158	337,699
813	Religious, grantmaking, civic, professional, and similar organizations	728	14,872

Continued on next page.

**Table 15.29-- CHARACTERISTICS OF NONEMPLOYER BUSINESSES,  
BY MAJOR GROUP: 2019 -- 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.

Source: U.S. Census Bureau, Nonemployer Statistics 2019 <<https://data.census.gov/table?q=NS1900NONEMP&g=040XX00US15&n=N0200.00:N0300.00&tid=NONEMP2019.NS1900NONEMP&nkd=LFO~001>> accessed June 14, 2023.

**Table 15.30-- SELECTED MINORITY-OWNED BUSINESSES: 2020**

[Includes Hawaii firms with paid operating during 2020 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]

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
Firms with paid employees				
Number	23,811	11,045	1,218	722
Sales, receipts, value of shipments (\$1,000)	(2/)	(2/)	(3/)	(3/)
Employees 4/	532,890	93,940	9,038	5,636
Annual payroll (\$1,000)	22,468,192	3,157,674	252,165	162,869

1/ Business ownership is defined as having 51 percent or more of the stock or equity in the business.

2/ 5 billion dollars or more.

3/ 500 million to less than 1 billion dollars.

4/ For pay period including March 12.

Source: U.S. Census Bureau, Annual Business Survey: Statistics for Employer Firms by Industry, Sex, Ethnicity, Race, and Veteran Status for the U.S., States, and Metro Areas: 2020 <<https://data.census.gov/table?t=Owner+Race+and+Ethnicity&g=040XX00US15&tid=ABSCS2020.AB2000CSA01>> accessed June 30, 2023.

**Table 15.31-- ASIAN-OWNED BUSINESSES BY SELECTED BUSINESS SECTOR: 2021**

[Includes Hawaii firms with paid operating during 2020 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 are counted in each geographic area and industry in which they operate, but only once in the U.S. total. Asian business ownership is defined as having 51 percent or more of the stock or equity in the business]

<b>Business sector</b>	<b>Number of employer firms</b>	<b>Number of employees 1/</b>	<b>Annual payroll (\$1,000)</b>
Total	11,045	93,940	3,157,674
Utilities	2	7	1,085
Construction	1,406	11,683	850,396
Manufacturing	274	3,628	110,959
Retail trade	1,307	9,976	228,770
Transportation and warehousing	271	2,611	99,495
Information	117	489	24,587
Real estate and rental and leasing	662	1,979	75,660
Professional, scientific, and technical services	1,250	6,039	402,342
Management of companies and enterprises	12	188	15,829
Administrative and support and waste management and remediation services	621	9,852	186,832
Health care and social assistance	1,377	7,572	275,007
Arts, entertainment, and recreation	65	910	4,071
Accommodation and food services	1,905	27,430	472,711
Industries not classified	14	18	301

1/ For pay period including March 12.

Source: U.S. Census Bureau, Annual Business Survey: Statistics for Employer Firms by Industry, Sex, Ethnicity, Race, and Veteran Status for the U.S., States, and Metro Areas: 2020 <<https://data.census.gov/table?t=Owner+Race+and+Ethnicity&g=040XX00US15&tid=ABSCS2020.AB2000CSA01>> accessed June 30, 2023.



**Table 15.32-- NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER-OWNED BUSINESSES BY SELECTED BUSINESS SECTOR: 2020**

[Includes Hawaii firms with paid operating during 2020 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 are counted in each geographic area and industry in which they operate, but only once in the U.S. total. Native Hawaiian and Other Pacific Islander (NHOPI) business ownership is defined as having 51 percent or more of the stock or equity in the business]

<b>Business sector</b>	<b>Number of employer firms</b>	<b>Number of employees 1/</b>	<b>Annual payroll (\$1,000)</b>
Total	1,218	9,038	252,165
Utilities	2	5	98
Construction	221	491	22,675
Manufacturing	23	193	5,923
Transportation and warehousing	52	544	19,828
Information	8	24	356
Professional, scientific, and technical services	135	682	38,867
Health care and social assistance	1	110	5,124
Industries not classified	2	2	52

1/ For pay period including March 12.

Source: U.S. Census Bureau, Annual Business Survey: Statistics for Employer Firms by Industry, Sex, Ethnicity, Race, and Veteran Status for the U.S., States, and Metro Areas: 2020 <<https://data.census.gov/table?t=Owner+Race+and+Ethnicity&g=040XX00US15&tid=ABSCS2020.AB2000CSA01>> accessed June 30, 2023.

**Table 15.33-- WOMEN-OWNED BUSINESSES BY SELECTED BUSINESS SECTOR: 2020**

[Includes Hawaii firms with paid operating during 2020 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]

Subject	Number of employer firms 1/	Women-owned firms 2/	Percent women-owned
Total for all sectors			
Number	23,811	5,353	22.5
Employees 3/	532,890	52,227	9.8
Annual payroll (\$1,000)	22,468,192	1,662,680	7.4
Manufacturing			
Number	755	129	17.1
Employees 3/	12,367	1,162	9.4
Annual payroll (\$1,000)	492,037	35,439	7.2
Retail trade			
Number	2,739	600	21.9
Employees 3/	77,637	4,769	6.1
Annual payroll (\$1,000)	2,528,271	81,384	3.2
Administrative and support and waste management and remediation services			
Number	1,882	470	25.0
Employees 3/	74,613	5,680	7.6
Annual payroll (\$1,000)	2,407,594	146,834	6.1
Health care and social assistance			
Number	2,958	869	29.4
Employees 3/	65,270	5,371	8.2
Annual payroll (\$1,000)	3,862,503	163,413	4.2

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, Annual Business Survey: Statistics for Employer Firms by Industry, Sex, Ethnicity, Race, and Veteran Status for the U.S., States, and Metro Areas: 2020 <<https://data.census.gov/table?t=Owner+Race+and+Ethnicity&g=040XX00US15&tid=ABSCS2020.AB2000CSA01>> accessed June 30, 2023 and calculation by the Department of Business, Economic Development and Tourism.

**Table 15.34-- BUSINESS INQUIRIES AND COMPLAINTS THROUGH THE BETTER BUSINESS BUREAU, BY TYPE OF INDUSTRY: 2022**

Type of industry 1/	Number of inquiries	Type of industry 1/	Number of complaints	Average settlement per complaint (dollars)
General contractor	23,660	Airlines	170	(NA)
Home improvement	16,891	New car dealers 2/	98	(NA)
Plumber	16,705	Used car dealers	64	(NA)
Roofing contractors	13,066	Travel club	63	(NA)
Real estate	11,437	Property management	54	(NA)
Online retailer	10,701	Bank	45	(NA)
Property management	9,691	Hotels	40	(NA)
Electrician	8,083	Towing company	40	(NA)
Moving companies	7,485	Internet marketing services	37	(NA)
Construction services	7,154	Sightseeing tours	32	(NA)
Travel agency	6,513	Restaurants	31	(NA)
Painting contractors	6,413	Real estate	27	(NA)
Solar energy contractors	6,370	Hospital supplies	26	(NA)
Vacation rentals	6,290	Plumber	25	(NA)
Auto repair	5,986	Moving companies	22	(NA)
Handyman	5,865	Vacation rentals	20	(NA)
Pest control	5,540	Solar energy contractors	19	(NA)
Air conditioning contractor	5,261	Insurance services office	17	(NA)
Used car dealers	4,962	Tour operators	16	(NA)
Lawyers	4,932	Car upholstery cleaning	16	(NA)
Jewelry stores	4,754	Medical lab	14	(NA)
New car dealers	4,677	Jewelry stores	13	(NA)
Towing company	4,298	Auto repair	12	(NA)
Electrical contractors	3,955	Clothing	12	(NA)
Skin care	3,935	Dentist	12	(NA)
		Affiliate marketing	12	(NA)

NA Not available.

1/ Industries listed are those with the highest number of inquiries or complaints.

2/ Includes new car repair issues.

Source: Better Business Bureau Great West & Pacific records.

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

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

Narrative

<a href="#">16.01</a>	Information Industry Establishments (NAICS 51): 2021
<a href="#">16.02</a>	Information (NAICS 51), by Kind of Business: 2017
<a href="#">16.03</a>	Information (NAICS 51), by County and Selected Economic Place: 2017
<a href="#">16.04</a>	Number of U.S. Post Offices and Stations, by Island: 2020
<a href="#">16.05</a>	U.S. Postal Service: 2000 to 2020
<a href="#">16.06</a>	Telephone Statistical Summary: 2005 to 2021
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<a href="#">16.08</a>	Status of Wireless-Only Telephone Usage of Household Population: 2007 to 2020
<a href="#">16.09</a>	Presence and Types of Internet Subscriptions in Households: 2021
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<a href="#">16.12</a>	Cable Television Systems, Subscribers, and Revenues, by County: 2004 to 2022
<a href="#">16.13</a>	Radio and Television Broadcasting Stations in Operation, 1955 to 2023, and by County, 2023
<a href="#">16.14</a>	Average Circulation of Daily, Weekly, and Sunday English-Language Print Newspapers: 2023
<a href="#">16.15</a>	U.S. Postage Rates and Newspaper Prices, for Honolulu: 2000 to 2023
<a href="#">16.16</a>	Books and Scholarly Journals Published by the University of Hawaii Press: 1991 to 2020

## Section 16

# INFORMATION AND COMMUNICATIONS

This section presents statistics on the usage, finances, and operations of the Postal Service and of various information and communications media: telephone, radio, television, newspapers, periodicals, and books. Sections 12 and 15 contain employment and payroll data for communications establishments.

The major sources for statistics on information and communications are the reports and records of the U.S. Postal Service, Federal Communications Commission, Hawaii State Department of Commerce and Consumer Affairs, and the U.S. Census Bureau, including the 2017 Economic Census. Earlier figures appear in *Historical Statistics of Hawaii*, Section 18.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey estimates were not disrupted and are included in this release.

**Table 16.01-- INFORMATION INDUSTRY ESTABLISHMENTS (NAICS 51): 2021**

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

<b>NAICS code</b>	<b>Year and industry</b>	<b>No. of establishments</b>	<b>No. of paid employees for pay period including March 12</b>	<b>Annual payroll (\$1,000)</b>
51	Information	582	6,285	126,764
511	Publishing industries (except internet)	103	750	13,903
5111	Newspaper, periodical, book, directory pub.	56	564	7,495
5112	Software publishers	47	186	6,408
512	Motion picture & sound recording industries	99	539	2,774
5121	Motion picture & video industries	85	512	2,437
5122	Sound recording industries	14	27	337
515	Broadcasting (except internet)	51	758	12,283
5151	Radio & television broadcasting	42	679	10,907
5152	Cable and other subscription programming	9	79	1,376
517	Telecommunications	248	3,600	86,374
5173	Wired and wireless telecommunication carriers	234	3,540	85,029
5174	Satellite telecommunications	5	33	624
5179	Other telecommunications	9	27	721
518	Data processing, hosting and related services	52	577	10,226
519	Other information services	29	61	1,204

Source: U.S. Census Bureau, *2021 County Business Patterns* <<http://data.census.gov>> accessed April 27, 2023.

**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]

<b>Geographic area</b>	<b>Establishments</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees 1/</b>
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)

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**Table 16.03-- INFORMATION (NAICS 51), BY COUNTY AND SELECTED ECONOMIC PLACE: 2017 -- Con.**

<b>Geographic area</b>	<b>Establishments</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees 1/</b>
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: 2020**

[As of September 30]

Island	Total	Cost Ascertainment Group (CAG) 1/				Stations	
		A-G	H-J	K	L	Classified 2/	Contract 3/
2020							
State total	71	34	26	10	1	23	13
Hawaii	25	9	11	5	-	2	5
Maui	10	8	2	-	-	1	-
Lanai	1	-	1	-	-	-	-
Molokai	6	1	1	3	1	-	-
Oahu	16	11	4	1	-	18	7
Kauai	13	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 2020**

[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
2020	71	36	270,893	479

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 2021**

Subject	Number or percent
Telecommunications revenues 1/ (\$ million)	
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
2018	551
2019	478
2020	406
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
2019	95.0
2020	98.5
2021	98.3

1/ Only end-user revenues are included since 2008. Carrier revenues are excluded.

2/ Annual average percentage of households with telephone service.

Source: Federal Communications Commission, *Trends in Telephone Service* <[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-301823A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-301823A1.pdf)> accessed June 29, 2012; *Telephone Subscribership in the United States* <[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-311523A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-311523A1.pdf)> accessed July 17, 2013; and *Universal Service Monitoring Report* (annual) <<https://www.fcc.gov/general/federal-state-joint-board-monitoring-reports>> accessed March 1, 2023.

**Table 16.07-- STATUS OF TELEPHONE USAGE OF HOUSEHOLD  
POPULATION: 2019 AND 2020**

[Percent of persons living in household. Based on a sample and subject to sampling variability]

Usage status	2019		2020	
	Adults aged 18 years and over	Children under age 18 years	Adults aged 18 years and over	Children under age 18 years
Wireless-only	52.9	68.1	54.2	(NA)
Wireless-mostly	21.5	(NA)	22.9	(NA)
Dual-use	16.0	31.1	14.7	(NA)
Landline-mostly	4.3	(NA)	4.3	(NA)
Landline-only	3.8	(1/)	3.4	(NA)
No telephone service 2/	1.4	0.8	0.7	(NA)

NA Not available.

1/ More than zero but less than 0.05 percent.

2/ The proportion of children and adults living in households with no telephone service was not modeled. Other proportions were adjusted so that this estimate agreed with the American Community Survey estimates for this proportion.

Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics, *National Health Statistics Reports, Wireless Substitution: State-level Estimates From the National Health Interview Survey Early Release Program* (annual)

<<https://www.cdc.gov/nchs/nhis/erwirelessubs.htm>> accessed January 26, 2023.

**Table 16.08-- STATUS OF WIRELESS-ONLY TELEPHONE USAGE OF HOUSEHOLD POPULATION: 2007 TO 2020**

[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
2019	52.9	68.1
2020	54.2	(NA)

NA Not available.

1/ Estimate has a relative standard error greater than 30 percent 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 January 26, 2023.

**Table 16.09-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS IN HOUSEHOLDS: 2021**

[Based on a sample and subject to sampling variability]

Subject 1/	Hawaii	United States
Total households	490,080	127,544,730
With an internet subscription	449,288	115,170,078
Dial-up with no other type of internet subscription	1,653	205,873
Broadband of any type	447,635	114,964,205
Cellular data plan	424,619	107,013,159
With no other type of internet subscription	48,753	13,858,841
Broadband such as cable, fiber optic or DSL	388,053	96,252,898
With no other type of internet subscription	21,522	6,911,468
Satellite internet service	23,589	8,518,411
With no other type of internet subscription	749	551,521
Other service with no other type of internet subscription	83	94,119
Internet access without a subscription	11,991	2,928,593
No internet access	28,801	9,446,059
Percent of total households	100.0	100.0
With an internet subscription	91.7	90.3
Dial-up with no other type of internet subscription	0.3	0.2
Broadband of any type	91.3	90.1
Cellular data plan	86.6	83.9
With no other type of internet subscription	9.9	10.9
Broadband such as cable, fiber optic or DSL	79.2	75.5
With no other type of internet subscription	4.4	5.4
Satellite internet service	4.8	6.7
With no other type of internet subscription	0.2	0.4
Other service with no other type of internet subscription	0.0	0.1
Internet access without a subscription	2.4	2.3
No internet access	5.9	7.4

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 percent.

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table B28002 <<https://data.census.gov>> accessed February 1, 2023; 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: 2021**

[Based on a sample and subject to sampling variability]

<b>Subject</b>	<b>Total</b>	<b>With dial-up internet subscription</b>	<b>With a broadband internet subscription</b>	<b>Without an internet subscription</b>
Households				
All income groups	490,080	1,653	447,635	40,792
Less than \$10,000	26,535	21	21,370	5,144
\$10,000 to \$19,999	28,693	-	21,848	6,845
\$20,000 to \$34,999	39,534	57	32,823	6,654
\$35,000 to \$49,999	45,306	117	40,115	5,074
\$50,000 to \$74,999	77,665	574	70,229	6,862
\$75,000 or more	272,347	884	261,250	10,213
Percent				
All income groups	100.0	0.3	91.3	8.3
Less than \$10,000	100.0	0.1	80.5	19.4
\$10,000 to \$19,999	100.0	0.0	76.1	23.9
\$20,000 to \$34,999	100.0	0.1	83.0	16.8
\$35,000 to \$49,999	100.0	0.3	88.5	11.2
\$50,000 to \$74,999	100.0	0.7	90.4	8.8
\$75,000 or more	100.0	0.3	95.9	3.7

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table B28004 <<https://data.census.gov>> accessed February 1, 2023; 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: 2021**

[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	1,399,417	100.0	324,132,886	100.0
Has a computer	1,363,844	97.5	314,286,390	97.0
With dial-up internet subscription alone	3,805	0.3	375,938	0.1
With a broadband internet subscription	1,316,282	94.1	299,509,501	92.4
Without an internet subscription	43,757	3.1	14,400,951	4.4
No computer	35,573	2.5	9,846,496	3.0
Under 18 years	302,625	100.0	73,296,872	100.0
Has a computer	300,672	99.4	72,384,592	98.8
With dial-up internet subscription alone	837	0.3	40,789	0.1
With a broadband internet subscription	294,490	97.3	69,883,652	95.3
Without an Internet subscription	5,345	1.8	2,460,151	3.4
No computer	1,953	0.6	912,280	1.2
18 to 64 years	820,392	100.0	196,355,391	100.0
Has a computer	808,596	98.6	192,714,043	98.1
With dial-up internet subscription alone	2,141	0.3	140,576	0.1
With a broadband internet subscription	783,733	95.5	184,353,744	93.9
Without an internet subscription	22,722	2.8	8,219,723	4.2
No computer	11,796	1.4	3,641,348	1.9
65 years and over	276,400	100.0	54,480,623	100.0
Has a computer	254,576	92.1	49,187,755	90.3
With dial-up internet subscription alone	827	0.3	194,573	0.4
With a broadband internet subscription	238,059	86.1	45,272,105	83.1
Without an internet subscription	15,690	5.7	3,721,077	6.8
No computer	21,824	7.9	5,292,868	9.7

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Table B28005 <<https://data.census.gov>> accessed February 1, 2023; 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 2022**

[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
2020	4/ 6	1	2	2	1
2021	4/ 6	1	2	2	1
2022	4/ 6	1	2	2	1

Continued on next page.

**Table 16.12-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS,  
AND REVENUES, BY COUNTY: 2004 TO 2022 -- Con.**

Category and year	State total	Hawaii County	Maui County	City & County of Honolulu	Kauai County
Subscribers 5/					
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
Basic service revenue 5/ (\$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

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.

Hawaiian Telcom Services Co. has 1 system.

5/ Starting in 2012 for subscriber data and 2013 for basic service revenue data, cable operators have submitted their data with the "Confidential" designation.

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 2023, AND BY COUNTY, 2023**

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
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
2021: April 14	42	56	23	4	22	4
2022: April 5	41	56	23	3	29	4
2023: April 5	25	56	23	2	28	4
COUNTY: 2023						
Hawaii	2	17	6	1	8	-
Honolulu	17	19	12	-	5	3
Kauai	1	9	-	-	5	-
Maui	5	11	5	1	10	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 5, 2023.

**Table 16.14-- AVERAGE CIRCULATION OF DAILY, WEEKLY, AND SUNDAY ENGLISH-LANGUAGE PRINT NEWSPAPERS: 2023**

Newspaper	Average circulation
<b>Daily</b>	
<i>Honolulu Star-Advertiser</i> 1/	138,576
<i>Hawaii Tribune-Herald</i> (Hilo) 1/	9,834
<i>West Hawaii Today</i> (Kailua-Kona) 1/	4,997
<i>Maui News</i> (Wailuku)	(NA)
<i>Garden Island</i> (Lihue) 1/	6,807
<i>USA Today Hawaii Edition</i>	2,519
<b>Sunday</b>	
<i>Honolulu Star-Advertiser</i> 1/	150,327
<i>Hawaii Tribune-Herald</i> (Hilo) 1/	11,425
<i>West Hawaii Today</i> (Kailua-Kona) 1/	6,227
<i>Maui News</i> (Wailuku)	(NA)
<i>Garden Island</i> (Lihue) 1/	-
<b>Weekly</b>	
<i>MidWeek</i> (Oahu and Kauai) 2/	276,422
<i>MidWeek</i> (Hawaii Island) 2/	40,273

NA Not available.

1/ Print and digital.

2/ Reported for average distribution, not circulation.

Source: *Star-Advertiser Consolidated Media Portfolio*

<[https://www.oahupublications.com/opi/Star-Advertiser\\_CM\\_060823.pdf](https://www.oahupublications.com/opi/Star-Advertiser_CM_060823.pdf)> accessed July 7, 2023.

**Table 16.15-- U.S. POSTAGE RATES AND NEWSPAPER PRICES, FOR HONOLULU: 2000 TO 2023**

[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)
2021	55	13/ 20	36	150	300	(X)	(X)
2022	58	14/ 20	40	150	300	(X)	(X)
2023	15/ 66	16/ 24	15/ 51	150	300	(X)	(X)

Continued on next page.

**Table 16.15-- U.S. POSTAGE RATES AND NEWSPAPER PRICES, FOR HONOLULU: 2000 TO 2023 -- 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.

13/ For weight not over 2 ounces \$0.75, for weight not over 3 ounces \$0.95, for weight not over 3.5 ounces \$1.15, and for items over 3.5 ounces, large envelope or package prices are used.

14/ For weight not over 2 ounces \$0.78, for weight not over 3 ounces \$0.98, for weight not over 3.5 ounces \$1.18, and for items over 3.5 ounces, large envelope or package prices are used.

15/ Price increase went into effect on July 9, 2023.

16/ Price increase went into effect on July 9, 2023. For weight not over 2 ounces \$0.90, for weight not over 3 ounces \$1.14, for weight not over 3.5 ounces \$1.38, 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 12, 2023; Newspaper rates from *The Honolulu Star-Advertiser* <<https://www.staradvertiser.com/>> accessed July 12, 2023.

**Table 16.16-- BOOKS AND SCHOLARLY JOURNALS PUBLISHED BY THE UNIVERSITY OF HAWAII PRESS: 1991 TO 2020**

Year	Published titles 1/				New books and journals published 3/		Volumes sold 3/	Book sales revenues 3/ (dollars)
	Cumulative total 2/		In print		Books	Scholarly journals		
	Paper or cloth based	Digital editions	Paper or cloth based	Digital editions				
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
2020	3,805	3,227	3,245	3,223	57	19	184,093	3,107,602

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**  
**Number**   **Table Name**

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

Narrative

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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): 1985 TO 2021**

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/
1985	46	2	40,006	86	-
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
2008	840	3	42,397	84	930
2009	791	3	42,472	113	1,065
2010	803	3	46,356	70	804
2011	783	3	47,367	93	933
2012	803	3	46,173	115	847
2013	753	3	46,470	78	874
2014	831	3	44,785	94	948
2015	747	3	45,635	121	1,147
2016	787	3	45,280	91	1,152
2017	759	3	47,091	66	1,162
2018	734	3	46,978	97	1,131
2019	717	3	47,435	95	1,158
2020	670	2	33,806	99	913
2021	634	3	40,205	115	1,042

1/ Includes supplemental gaseous fuels.

2/ Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.

3/ Includes denaturant.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) "State Energy Consumption Estimates, Selected Years, 1960-2020, Hawaii CT1" (June 2022) <[https://www.eia.gov/state/seds/sep\\_use/notes/use\\_print.pdf](https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf)> accessed June 30, 2022; and State Energy Data System (SEDS): 2021 <<https://www.eia.gov/state/seds/seds-data-fuel.php?sid=US>> accessed June 16, 2023.

**Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1985 TO 2021**

[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/
1985	7/ 248.5	1.1	-	232.1	0.9	14.2	0.2	-	-	2.7	39.9
1990	321.4	0.7	-	292.8	0.8	25.9	(8/)	0.9	0.3	3.0	45.5
1995	296.8	19.9	-	252.3	1.0	19.8	2.4	1.2	0.2	2.9	49.0
2000	7/ 273.5	17.7	0.1	235.2	1.1	15.2	2.7	1.3	0.2	3.0	48.3
2005	324.7	16.5	0.2	293.8	1.0	9.6	2.2	1.3	0.1	2.9	57.0
2006	7/ 327.4	16.1	0.2	295.5	1.2	10.1	2.1	1.4	0.8	2.9	59.8
2007	337.8	17.1	0.2	303.5	0.9	9.9	2.3	1.5	2.4	3.0	58.3
2008	7/ 276.6	18.1	0.1	239.1	0.8	12.0	2.3	1.8	2.4	2.8	54.5
2009	7/ 276.0	17.1	0.2	238.9	1.1	12.5	1.6	2.1	2.5	2.7	55.1
2010	7/ 297.5	17.1	0.2	262.0	0.7	10.7	2.0	2.3	2.5	2.7	50.6
2011	7/ 302.6	16.1	0.2	265.8	0.9	11.2	2.2	2.9	3.3	2.7	56.4
2012	297.4	16.6	0.2	259.0	1.1	10.0	2.5	4.4	3.6	2.8	53.6
2013	7/ 301.8	15.3	0.2	260.4	0.7	11.7	2.6	6.1	4.8	2.9	54.4
2014	295.2	17.2	0.2	249.8	0.9	11.6	2.4	7.6	5.5	2.8	54.8
2015	299.0	15.6	0.2	253.7	1.1	12.1	2.2	8.4	5.7	2.9	55.9
2016	7/ 300.3	16.4	0.2	251.4	0.8	13.4	2.4	9.8	5.9	3.0	56.7
2017	308.4	14.9	0.2	261.3	0.6	10.9	3.0	12.6	4.9	3.0	56.4
2018	7/ 306.4	14.4	0.2	260.6	0.9	10.7	1.0	13.1	5.5	3.2	55.4
2019	7/ 307.7	14.2	0.2	263.5	0.8	10.0	(8/)	14.3	4.7	3.1	55.7
2020	7/ 232.6	13.3	0.2	187.6	0.9	8.4	0.1	16.9	5.2	2.3	43.5
2021	270.5	12.6	0.1	227.2	1.0	4.6	1.6	17.6	5.8	2.6	49.3

Continued on next page.

## Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE: 1985 TO 2021 -- Con.

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, 1960-2020, Hawaii CT2" (June 2022) <[https://www.eia.gov/state/seds/sep\\_use/notes/use\\_print.pdf](https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf)> accessed June 30, 2022; and State Energy Data System (SEDS): 2021 <<https://www.eia.gov/state/seds/seds-data-fuel.php?sid=US>> accessed June 16, 2023.

**Table 17.03-- CONSUMPTION OF ENERGY, BY END-USE SECTOR:  
1960 TO 2021**

[Trillion Btu]

Year	Residential 1/	Commercial 1/ 2/ 3/	Industrial 1/ 2/	Transportation 3/	Electric power 1/
1960	7.1	5.3	20.6	61.8	17.6
1965	9.9	7.0	34.7	79.0	27.6
1970	15.5	12.5	43.6	125.3	43.2
1975	19.0	14.5	50.3	130.5	58.8
1980	21.0	20.1	74.5	146.7	69.7
1985	19.9	18.4	67.3	142.9	69.8
1990	30.7	37.2	98.9	154.5	105.9
1995	31.3	34.6	92.9	138.0	105.5
2000	33.0	37.3	77.9	125.1	108.5
2005	33.3	39.9	72.4	179.1	104.1
2006	33.7	40.7	71.6	181.4	104.7
2007	34.1	40.2	69.0	194.4	105.7
2008	33.4	40.9	65.8	136.5	102.8
2009	33.3	40.7	69.1	132.8	100.2
2010	32.7	40.1	68.1	156.7	98.7
2011	32.5	41.2	67.6	161.3	98.8
2012	31.5	39.3	65.1	161.5	94.8
2013	30.8	40.6	65.4	165.0	92.3
2014	31.4	41.1	64.6	158.1	92.1
2015	31.6	41.3	64.2	161.9	91.6
2016	32.5	41.5	63.1	163.3	91.8
2017	34.0	43.0	60.5	170.9	91.3
2018	34.2	42.7	56.3	173.1	89.7
2019	34.5	42.9	56.1	174.2	88.9
2020	36.8	39.4	47.3	109.0	85.5
2021	37.1	41.1	49.7	142.7	87.3

1/ 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.

2/ Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

3/ From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) "State Energy Consumption Estimates, Selected Years, 1960-2020, Hawaii CT4-CT8, (June 2022) and earlier editions <[https://www.eia.gov/state/seds/sep\\_use/notes/use\\_print.pdf](https://www.eia.gov/state/seds/sep_use/notes/use_print.pdf)> accessed June 30, 2022; and State Energy Data System (SEDS): 2021 <<https://www.eia.gov/state/seds/seds-data-fuel.php?sid=US#TotalEnergy>> accessed June 16, 2023.

**Table 17.04-- PRIMARY ENERGY CONSUMPTION AND ELECTRICITY SALES, TOTAL AND PER CAPITA: 1996 TO 2021**

Year	Primary energy consumption		Electricity sales by utilities	
	Total (billion Btu) 1/	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	273,388	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	270,122	220.3	9,785	7,982
2002	284,663	229.6	9,892	7,980
2003	300,914	240.5	10,391	8,305
2004	314,720	247.1	10,732	8,427
2005	324,737	251.2	10,539	8,153
2006	327,288	249.9	10,568	8,069
2007	337,829	256.8	10,585	8,045
2008	276,654	207.7	10,390	7,799
2009	275,928	204.9	10,126	7,519
2010	297,491	218.2	10,017	7,344
2011	302,442	219.3	9,962	7,221
2012	297,182	213.2	9,639	6,909
2013	301,931	214.3	9,503	6,745
2014	295,243	208.6	9,475	6,695
2015	298,984	210.1	9,511	6,684
2016	300,382	210.2	9,445	6,610
2017	308,366	216.3	9,324	6,540
2018	306,328	215.3	9,337	6,561
2019	307,983	217.4	9,453	6,678
2020	232,453	160.2	8,797	6,252
2021	270,210	186.7	8,936	5,731

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, 2023 and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.05-- PRIMARY ENERGY CONSUMPTION, BY SOURCE: 2006 TO 2021**

[Billion Btu. Components may not sum to totals due to rounding. Revised from previous *Data Book*]

Year	Total	Petroleum	Coal	Natural gas	Renewable
2006	327,288	295,474	16,102	179	15,534
2007	337,829	303,540	17,107	173	17,009
2008	276,654	239,055	18,095	148	19,356
2009	275,928	238,944	17,083	167	19,734
2010	297,491	264,993	17,117	161	18,177
2011	302,442	269,611	16,080	158	20,402
2012	297,182	262,327	16,572	187	21,430
2013	301,931	263,998	15,306	197	25,989
2014	295,243	253,751	17,241	167	27,996
2015	298,984	258,584	15,632	196	29,420
2016	300,382	256,648	16,431	162	32,368
2017	308,366	266,774	14,948	163	32,003
2018	306,328	265,984	14,367	192	31,126
2019	307,983	268,797	14,179	228	29,839
2020	232,453	191,501	13,281	199	31,467
2021	270,210	227,240	12,566	133	35,105
Year	Biomass	Solar	Wind	Geothermal	Hydro
2006	10,054	1,385	790	2,114	1,191
2007	9,936	1,526	2,354	2,280	913
2008	12,030	1,813	2,365	2,316	831
2009	12,482	2,055	2,454	1,643	1,099
2010	10,700	2,278	2,547	1,964	687
2011	11,187	2,816	3,311	2,183	905
2012	10,026	4,223	3,599	2,491	1,090
2013	11,720	6,090	4,802	2,630	747
2014	11,624	7,553	5,503	2,422	895
2015	12,075	8,356	5,710	2,154	1,129
2016	13,414	9,810	5,900	2,409	839
2017	10,944	12,573	4,902	2,980	609
2018	10,700	13,062	5,480	1/ 1,010	879
2019	9,971	14,308	4,714	1/ 8	842
2020	8,428	16,888	5,196	1/ 92	867
2021	9,041	17,596	5,818	1,633	1,017

1/ In May 2018, the Puna Geothermal Venture facility shut down due to a volcanic eruption and reopened in October 2020. Residual fuel was used during the closure period.

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, 2023 and calculations by Hawaii State Department of Business, Economic Development and Tourism.



**Table 17.06-- ELECTRICITY GENERATION, BY SOURCE: 2008 TO 2021**

[Millions of kWh generated]

Year	Total	Petroleum	Coal	Wind	Biomass 1/
2008	11,376.384	8,669.934	1,647.592	240.023	302.423
2009	11,010.534	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	10,469.268	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	10,119.500	7,023.150	1,337.412	612.772	320.941
2016	9,948.846	6,640.316	1,497.380	639.127	359.466
2017	9,812.968	6,633.596	1,375.724	532.055	292.762
2018	9,796.773	6,748.947	1,311.203	601.934	305.513
2019	9,749.997	6,864.169	1,301.946	529.310	291.542
2020	9,079.019	6,149.205	1,165.147	592.238	256.221
2021	9,182.190	6,155.207	1,084.555	657.891	282.637
Year	Geothermal	Hydro	Other gases 2/	Solar	Others 3/
2008	234.333	84.343	38.572	0.018	159.146
2009	167.591	112.649	22.345	1.390	381.432
2010	200.595	70.423	21.915	1.770	363.880
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	230.340	121.170	50.155	54.397	369.163
2016	260.102	90.849	51.006	88.511	322.089
2017	322.592	66.075	52.022	175.019	363.123
2018	110.089	96.520	55.722	184.576	382.269
2019	(4/)	94.542	5.624	268.138	394.726
2020	9.640	98.820	2.874	484.030	320.844
2021	183.751	114.971	-	507.234	195.944

1/ Biomass includes biogenic municipal solid waste, other biomass liquid (biofuel), other biomass solids agricultural by-products, and wood and wood waste.

2/ Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

3/ Others include other fuel, including but not limited to non-biogenic municipal solid waste and energy storage.

4/ In May 2018, the Puna Geothermal Venture facility shut down due to a volcanic eruption and reopened in October 2020. Residual fuel was used during the closure period.

Source: U.S. Department of Energy, Energy Information Administration, Form EIA-923 detailed data with previous form data (EIA-906/920) <<https://www.eia.gov/electricity/data/eia923/>> accessed June 26, 2023 and calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.07-- ELECTRICITY PRODUCTION, BY SOURCE AND BY ISLAND: 2021**

[Million kWh. Components may not sum to total due to rounding]

Island	Total	Petroleum	Coal	Wind	Biomass 1/
State total	9,182.19	6,155.21	1,084.56	657.89	282.64
Hawaii	1,074.17	679.04	-	120.76	47.49
Maui	1,032.16	753.06	-	266.02	-
Lanai	35.63	35.63	-	-	-
Molokai	31.80	31.80	-	-	-
Oahu	6,564.24	4,471.62	1,084.56	271.11	186.72
Kauai	442.96	184.06	-	-	48.43
Not specified	1.24	-	-	-	-
Island	Geothermal	Hydro	Other gases 2/	Solar	Others 3/
State total	183.75	114.97	-	507.23	201.51
Hawaii	183.75	43.13	-	-	-
Maui	-	0.63	-	12.64	0.19
Lanai	-	-	-	-	-
Molokai	-	-	-	-	-
Oahu	-	-	-	351.51	198.72
Kauai	-	71.21	-	141.85	2.59
Not specified	-	-	-	1.24	-

1/ Biomass includes biogenic municipal solid waste, other biomass liquid (biofuel), other biomass solids agricultural by-products, and wood and wood waste.

2/ Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

3/ Other includes other fuel, including but not limited to non-biogenic municipal solid waste and energy storage.

Source: U.S. Department of Energy, Energy Information Administration, Form EIA-923 detailed data with previous form data (EIA-906/920) <<https://www.eia.gov/electricity/data/eia923/>> accessed June 26, 2023 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 2021**

[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	1/ 732.4	1,017.7	1/ 285.3
1996	2,305.8	1,532.5	1/ 773.4	1,119.7	1/ 346.3
1997	2,272.6	1,455.8	1/ 816.7	1,152.7	1/ 336.0
1998	2,092.5	1,296.7	795.8	1,054.4	258.6
1999	2,163.2	1,379.8	783.4	1,106.5	323.1
2000	2,705.1	1,863.0	1/ 842.2	1,341.2	1/ 499.0
2001	2,779.2	1,891.1	1/ 888.2	1,353.4	1/ 465.2
2002	2,688.2	1,882.7	805.5	1,300.2	494.7
2003	3,335.9	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/ 1,104.6	1,897.8	1/ 793.2
2006	5,729.1	4,535.9	1,193.2	2,152.2	1/ 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/ 1,531.1	2,978.3	1/ 1,447.2
2009	4,804.8	3,540.0	1,264.8	2,111.7	846.9
2010	6,199.8	4,866.8	1,333.0	2,473.3	1,140.3
2011	8,067.9	6,569.5	1,498.4	3,090.5	1,592.1
2012	8,289.5	6,690.3	1,599.2	3,219.0	1,619.8
2013	8,214.8	6,543.6	1,671.2	3,153.6	1,482.4
2014	1/ 7,769.9	5,983.6	1,786.2	3,159.3	1/ 1,373.1
2015	1/ 5,906.4	4,207.6	1,698.7	2,474.9	1/ 776.2
2016	5,215.5	3,580.7	1,634.8	2,242.6	607.8
2017	5,843.1	4,194.4	1,648.8	2,416.2	1/ 767.4
2018	6,828.7	5,080.1	1,748.6	2,710.1	961.5
2019	1/ 6,731.5	1/ 4,942.6	1/ 1,788.9	2,700.5	1/ 911.6
2020	1/ 4,695.2	1/ 2,911.3	1,783.9	2,412.7	628.8
2021	6,346.8	4,548.3	1,798.5	2,696.6	898.1

1/ Revised from previous *Data Book*.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) <<http://www.eia.gov/state/seds/seds-data-fuel.cfm?sid=HI>> accessed June 26, 2023; and calculations by the Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.09-- ELECTRIC UTILITIES: 2011 TO 2022**

Year	Customers, Dec. 31			Power sold (1,000 kWh)		
	Total	Residential 1/	Other	Total	Residential 1/	Other
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	9,500,990	2,608,786	6,892,205
2014	492,358	426,862	65,496	9,406,166	2,538,865	6,867,301
2015	494,631	429,084	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	9,135,531	2,503,831	6,631,700
2018	500,794	436,545	64,249	9,139,886	2,585,508	6,554,378
2019	503,515	439,022	64,493	9,200,694	2,620,536	6,580,158
2020	506,484	442,170	64,314	8,535,501	2,702,575	5,832,926
2021	509,307	444,596	64,711	8,696,259	2,677,818	6,018,441
2022	508,566	443,737	64,829	8,814,222	2,607,153	6,207,069

Year	Average annual use (kWh) 2/		Average rate (dollars per kWh)		Revenues (\$1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
2011	7,004	109,336	0.34680	0.30304	3,146,910	1,015,685	2,131,225
2012	6,518	107,014	0.37343	0.32727	3,281,058	1,022,944	2,258,114
2013	6,163	105,749	0.36887	0.31787	3,153,166	962,308	2,190,858
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	0.32999	0.28000	2,688,400	853,198	1,835,202
2019	5,969	102,029	0.32612	0.27612	2,671,502	854,599	1,816,903
2020	6,112	90,694	0.31256	0.26807	2,408,354	844,710	1,563,644
2021	6,023	93,005	0.34032	0.29076	2,661,260	911,321	1,749,938
2022	5,875	95,745	0.43935	0.38605	3,541,686	1,145,440	2,396,246

1/ "Residential" refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy and records; Hawaii State Department of Business, Economic Development and Tourism, Strategic Industries Division and records; *Monthly Financial Reports* issued by utility companies (Hawaiian Electric Company, Maui Electric Company, Hawaii Electric Light Company and Kauai Island Utility Cooperative); calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.10-- ELECTRIC UTILITIES, BY ISLAND: 2022**

Island	Customers, Dec. 31			Net peak demand (mW)	Power sold (1,000 kWh)		
	Total	Residential 1/	Other		Total	Residential 1/	Other
State total	508,566	443,737	64,829	1,232.8	8,814,222	2,607,153	6,207,069
Oahu	306,978	273,352	33,626	847.9	6,213,010	1,583,392	4,629,618
Hawaii	88,757	77,214	11,543	126.4	1,053,833	434,187	619,646
Kauai	38,898	29,993	8,905	47.3	458,054	191,955	266,099
Lanai	1,748	1,485	263	6.0	34,745	8,615	26,129
Maui	68,910	58,963	9,947	199.4	1,025,930	377,600	648,330
Molokai	3,275	2,730	545	5.8	28,650	11,404	17,246
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	5,875	95,745	0.43935	0.38605	3,541,686	1,145,440	2,396,246
Oahu	5,793	137,680	0.43428	0.37468	2,422,232	687,629	1,734,603
Hawaii	5,623	53,682	0.47951	0.43794	479,563	208,195	271,368
Kauai	6,400	29,882	0.39314	0.37430	175,068	75,466	99,602
Lanai	5,802	99,351	0.54930	0.55180	19,151	4,732	14,418
Maui	6,404	65,178	0.43256	0.41236	430,676	163,333	267,343
Molokai	4,177	31,644	0.53346	0.51682	14,997	6,084	8,913

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: 2011 TO 2022**

[Excludes bottled gas]

Year	Customers, Dec. 31			Gas sold (million therms)		
	Total	Residential 1/	Other	Total	Residential 1/	Other
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
2020	35,990	32,137	3,853	27.4	4.4	23.1
2021	35,983	32,112	3,871	31.4	4.5	26.9
2022	35,925	31,987	3,938	33.7	4.3	29.4

Year	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues (\$1,000,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
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
2020	136	5,983	4.83	2.82	86.2	21.1	65.0
2021	140	6,960	5.70	3.63	123.3	25.6	97.7
2022	133	7,475	6.76	4.65	165.7	28.8	136.9

1/ 'Residential' refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy and records; Hawaii State Department of Business, Economic Development and Tourism, Strategic Industries Division and records; Hawaii Gas The Clean Energy Company, *Hawaii Gas Utility Monthly Financial Reports*; calculations by Hawaii State Department of Business, Economic Development and Tourism.

**Table 17.12-- GAS UTILITIES, BY ISLAND: 2022**

[Excludes bottled gas]

Island	Customers, December 31			Gas sold (1,000 therms)		
	Total	Residen- tial 1/	Other	Total	Residen- tial 1/	Other
State total	35,925	31,987	3,938	33,697	4,262	29,435
Oahu	31,850	28,377	3,473	29,790	3,506	26,284
Hawaii	2,042	1,709	333	2,569	428	2,141
Kauai	1,109	1,082	27	285	168	117
Lanai	25	25	-	17	17	-
Maui	817	712	105	1,024	131	893
Molokai	82	82	-	12	12	-

Island	Average annual use per customer (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	133	7,475	6.76	4.65	165,716	28,799	136,917
Oahu	124	7,568	7.17	4.87	152,999	25,123	127,876
Hawaii	250	6,429	4.76	2.85	8,141	2,038	6,103
Kauai	155	4,333	5.08	2.89	1,192	854	338
Lanai	680	-	4.53	(NA)	77	77	-
Maui	184	8,505	4.95	2.91	3,249	649	2,600
Molokai	146	-	4.83	(NA)	58	58	-

NA Not available.

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*; and Hawaii State Department of Business, Economic Development & Tourism, calculations and records.

**Table 17.13-- SERVICE PROVIDED BY HAWAIIAN ELECTRIC COMPANY, INC.  
ON OAHU: 1991 TO 2022**

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	Residential only					
1991	255,176	223,304	6,876,964	6,538,952	7,610	0.09354	1,440
1992	257,442	225,229	7,061,157	6,650,449	7,711	0.09925	1,666
1993	263,478	230,192	7,029,839	6,607,424	7,581	0.11414	1,669
1994	264,992	232,115	7,222,978	6,797,364	7,681	0.11342	1,669
1995	269,307	235,905	7,359,195	6,962,794	7,732	0.12302	1,669
1996	271,602	237,860	7,499,202	7,091,147	7,868	0.12944	1,669
1997	271,801	238,825	7,424,259	7,040,291	7,773	0.13360	1,669
1998	272,675	239,945	7,299,149	6,938,326	7,603	0.12556	1,669
1999	275,467	242,579	7,356,725	6,997,936	7,654	0.12741	1,669
2000	278,260	245,027	7,589,409	7,211,760	7,793	0.14477	1,669
2001	280,911	247,672	7,643,288	7,276,681	7,816	0.14255	1,669
2002	283,161	249,896	7,757,699	7,390,367	8,050	0.13859	1,669
2003	286,677	253,033	7,908,957	7,522,230	8,224	0.14888	1,669
2004	288,456	254,797	8,126,998	7,732,834	8,481	0.15690	1,669
2005	291,580	257,804	8,104,303	7,721,296	8,360	0.17673	1,712
2006	292,988	259,098	8,104,872	7,700,605	8,248	0.20063	1,722
2007	294,591	260,583	8,089,115	7,675,355	8,214	0.20519	1,727
2008	293,740	259,929	7,950,649	7,555,962	7,868	0.28892	1,727
2009	295,282	261,630	7,761,597	7,377,537	7,759	0.21533	1,847
2010	296,422	262,635	7,657,018	7,277,229	7,540	0.25474	1,817
2011	296,800	263,384	7,593,813	7,242,311	7,319	0.32041	1,817
2012	297,529	264,047	7,310,995	6,975,996	6,729	0.35101	1,817
2013	299,528	265,772	7,187,329	6,858,536	6,283	0.34625	1,840
2014	301,953	268,056	7,101,879	6,781,665	6,036	0.35479	1,848
2015	302,958	269,207	7,086,141	6,754,083	6,052	0.28019	1,735
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
2020	307,378	271,747	6,473,516	6,183,093	6,355	0.28763	1,794
2021	308,721	272,889	6,435,738	6,169,654	6,009	0.32493	1,794
2022	306,978	271,104	6,495,139	6,210,797	5,758	0.43452	1,614

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 2022**

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	31,828	28,442	32,549	3,748	132
2018	31,861	28,442	33,654	3,729	131
2019	31,880	28,447	33,268	3,564	125
2020	31,972	28,598	24,316	3,757	131
2021	31,930	28,540	27,808	3,727	131
2022	31,850	28,445	29,756	3,496	123

1/ Includes liquefied petroleum gas.

Source: The Gas Company LLC, formerly The Gas Company, Inc., records.

**Table 17.15-- LIQUID FUEL TAX BASE: 2010 TO 2022**

[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	
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	969,494	700,513	465,325	141,648	46,766	
2020	723,690	579,900	372,276	136,243	40,848	
2021	880,782	622,555	414,423	131,118	45,175	
2022	970,230	662,188	419,799	156,974	52,591	

Year reported	Liquefied petroleum gas		Aviation fuel	Small boats		Other fuel 1/
	Off hwy.	Hwy. use		Gasoline	Diesel oil	
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
2020	-	15	143,790	1,188	3,382	25,948
2021	-	20	258,228	744	5,000	26,074
2022	-	20	308,042	1,278	4,370	27,155

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*, Calendar Year 2022 (annual) <[https://tax.hawaii.gov/stats/a5\\_3txcolrpt/](https://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed June 21, 2023.

**Table 17.16-- LIQUID FUEL TAX BASE, BY COUNTY: 2021 AND 2022**

[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 and year	State total	Honolulu County	Maui County	Hawaii County	Kauai County
2021					
Total	880,782.4	423,884.9	208,267.6	183,715.3	64,914.7
Gasoline	414,423.4	248,815.6	61,299.7	77,508.1	26,800.1
Diesel oil, non-hwy.	131,118.3	43,809.4	50,080.3	31,893.2	5,335.4
Diesel oil, hwy. use	45,174.6	23,134.4	5,441.5	13,505.6	3,093.1
Liq. pet. gas, hwy. use	20.4	18.6	0.1	1.3	0.4
Small boats, gasoline	744.4	352.2	56.6	335.6	-
Small boats, diesel oil	4,999.8	4,999.8	-	-	-
Aviation fuel	258,227.6	101,383.8	91,162.6	47,147.0	18,534.2
Other fuel 1/	26,073.9	1,371.1	226.8	13,324.4	11,151.5
2022					
Total	970,229.5	471,232.0	225,807.8	189,874.0	83,315.8
Gasoline	419,799.4	244,605.5	63,690.5	82,204.4	29,298.9
Diesel oil, non-hwy.	156,974.4	61,939.6	54,016.4	32,579.3	8,439.2
Diesel oil, hwy. use	52,591.4	31,417.8	5,882.6	12,222.4	3,068.6
Liq. pet. gas, hwy. use	19.9	17.9	0.1	1.1	0.8
Small boats, gasoline	1,277.9	883.8	66.9	327.1	-
Small boats, diesel oil	4,369.8	4,369.8	-	-	-
Aviation fuel	308,041.5	126,789.7	101,879.3	49,710.6	29,662.0
Other fuel 1/	27,155.3	1,207.9	272.1	12,829.0	12,846.3

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*, Calendar Year, ending December 31, 2021 and 2022 <[https://tax.hawaii.gov/stats/a5\\_3txcolrpt/](https://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed June 23, 2023.

**Table 17.17-- GASOLINE STATIONS (NAICS 447), BY COUNTY: 1998 TO 2021**

[Statistics are based on the North American Industry Classification System (NAICS)]

<b>Year</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>
1998	350	219	67	19	45
1999	334	206	63	19	46
2000	328	207	61	20	40
2001	322	204	61	17	40
2002	321	200	62	19	40
2003	314	194	63	19	38
2004	294	181	60	18	35
2005	301	188	59	19	35
2006	305	190	63	17	35
2007	289	179	58	14	38
2008	281	177	57	14	33
2009	277	169	58	15	35
2010	283	168	58	17	40
2011	283	168	61	16	38
2012	283	174	58	14	37
2013	286	176	58	15	37
2014	284	171	57	17	39
2015	284	166	57	23	38
2016	264	153	54	20	37
2017	248	141	56	16	35
2018	244	139	55	16	34
2019	246	140	53	19	34
2020	248	144	52	16	36
2021	253	144	57	16	36

Source: U.S. Census Bureau, County Business Patterns, Table CB2000CBP <<http://data.census.gov/cedsci>> accessed April 28, 2023.

**Table 17.18-- BOILERS AND PRESSURE VESSELS, BY ISLAND: 2021 AND 2022**

[As of June 1. Data for 2021 revised from previous *Data Book*]

<b>Island and year</b>	<b>Total</b>	<b>Power boilers</b>	<b>Heating boilers</b>	<b>Pressure vessels</b>
2021				
State total	10,440	414	2,748	7,278
Hawaii	1,538	77	403	1,058
Maui	1,189	50	354	785
Lanai	64	3	23	38
Molokai	44	1	9	34
Oahu	7,029	258	1,791	4,980
Kauai	576	25	168	383
2022				
State total	10,398	412	2,764	7,222
Hawaii	1,535	75	430	1,030
Maui	1,158	50	344	764
Lanai	65	3	23	39
Molokai	43	1	9	33
Oahu	7,034	257	1,793	4,984
Kauai	563	26	165	372

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 2020**

[Millions of dollars. For fiscal year ending September 30]

<b>Year</b>	<b>Total</b>	<b>R&amp;D</b>	<b>R&amp;D plant</b>
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
2018	460.5	441.3	19.2
2019	436.2	411.9	24.3
2020	400.0	393.9	6.1

Source: National Science Foundation/Division of Science Resources Statistics, *Federal Funds for Research and Development*, tables 88, 208-209 <<https://ncesdata.nsf.gov/fedfunds>> accessed May 19, 2022.

**Table 17.20-- PRIVATE SECTOR TECHNOLOGY JOBS, 2015 TO 2021 AND AVERAGE EARNINGS, 2020**

[Jobs includes paid employees and proprietors]

	2015	2016	2017	2018	2019	2020	2021	Earnings in 2020 (\$M) 1/ 2/
Technology sector	23,943.3	23,558.7	23,574.6	24,225.0	24,020.8	24,029.6	24,826.6	2,216.4
Computer services	6,545.8	6,370.1	6,482.1	6,415.4	5,987.3	5,788.0	5,913.5	563.5
Engineering and related services	6,304.6	6,277.1	6,240.7	6,470.0	6,563.5	6,721.4	6,897.0	728.0
Technical consulting services	4,528.2	4,568.7	4,766.6	5,235.5	5,371.2	5,338.0	5,457.1	378.9
Research & development services	2,025.6	1,966.1	1,730.5	1,551.0	1,537.7	1,575.0	1,646.4	153.9
Research & devel. in biotech.	510.3	508.3	460.9	380.6	333.4	371.2	383.3	34.1
Information & telecoms tech.	1,411.1	1,375.1	1,424.1	1,456.4	1,370.6	1,445.0	1,593.7	118.3
Medical labs and imaging centers	1,789.1	1,774.2	1,730.7	1,805.5	1,806.9	1,796.6	1,903.3	129.6
Technology equipment distribution	756.8	683.0	683.4	859.2	855.4	855.4	893.0	105.0
Technology manufacturing	582.2	544.4	516.4	431.9	528.2	510.2	522.7	39.3
Alternate power generation	2.0	0.2	-	-	-	-	-	-
Chemical & pharm. manufacturing	104.8	55.1	80.9	44.4	71.1	52.3	37.1	3.8
Other technology manufacturing	108.8	81.7	88.6	56.3	91.8	54.9	62.4	7.2
Medical device manufacturing	366.7	407.5	346.9	331.2	365.3	403.0	423.2	28.2

1/ Average earnings include wages and salaries, supplements to wages and salaries, and proprietors' income.

2/ Earnings data for 2021 not available at the time of publication.

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/](http://dbedt.hawaii.gov/economic/reports_studies/emerging-industries/)>.

**Table 17.21-- TECHNOLOGY AND SCIENCE INDEX, BY STATE: 2022**

[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	86.08	1	1	4	1	6	4
California	80.00	2	6	2	5	2	5
Colorado	78.89	3	8	6	6	3	2
Maryland	77.67	4	2	26	2	7	3
Utah	76.84	5	3	3	12	1	10
Washington	74.97	6	12	8	13	4	1
Delaware	74.83	7	9	1	4	10	9
Virginia	69.59	8	5	19	14	5	8
Connecticut	69.38	9	4	9	8	14	11
New Hampshire	64.97	10	14	24	3	13	16
North Carolina	62.52	11	24	7	11	16	18
New Jersey	62.44	12	18	10	19	14	11
Minnesota	61.72	13	7	17	25	22	7
Oregon	59.74	14	16	22	22	25	6
Pennsylvania	59.05	15	12	16	7	33	17
Arizona	57.15	16	29	14	18	8	31
Michigan	56.67	17	19	36	10	26	13
Texas	56.12	18	36	11	31	9	22
New York	56.11	19	10	12	15	21	38
New Mexico	54.46	20	30	38	16	19	14
Illinois	52.60	21	11	15	17	28	35
Georgia	51.89	22	26	21	32	11	33
Rhode Island	50.77	23	15	29	9	44	28
Wisconsin	50.66	24	27	33	20	29	19
Idaho	50.42	25	38	18	35	12	24
Vermont	50.38	26	17	32	27	22	29
Alabama	48.30	27	35	41	24	24	21
Montana	48.03	28	32	25	26	37	22
Kansas	47.29	29	25	43	36	20	20
Ohio	46.83	30	33	28	23	39	25
Wyoming	46.16	31	34	23	30	30	29
Indiana	44.96	32	20	40	21	31	38
Iowa	44.52	33	23	35	29	45	26
Nebraska	44.46	34	21	20	38	38	32
Missouri	42.02	35	31	27	33	36	40
Alaska	41.73	36	37	50	34	27	15

Continued on next page.



**Table 17.21-- TECHNOLOGY AND SCIENCE INDEX, BY STATE: 2022 -- Con.**

State	Average score	Ranking					
		Overall	Human capital invest.	Risk capital & entrepreneurial infrast.	Research & dev't inputs	Tech. concentration & dynamism	Tech. & science workforce
<b>Hawaii</b>	<b>41.57</b>	<b>37</b>	<b>39</b>	<b>42</b>	<b>28</b>	<b>33</b>	<b>27</b>
Florida	40.99	38	42	13	41	17	46
Nevada	38.91	39	48	5	49	17	48
Tennessee	37.36	40	41	31	39	35	36
South Dakota	36.88	41	28	29	40	43	44
North Dakota	34.65	42	21	47	37	41	42
South Carolina	33.94	43	44	38	43	32	36
Maine	32.61	44	40	45	42	39	34
Kentucky	30.71	45	45	34	45	42	43
Oklahoma	27.38	46	50	44	44	45	41
West Virginia	24.53	47	43	49	47	48	45
Arkansas	23.19	48	49	37	50	45	50
Louisiana	22.34	49	46	46	46	49	47
Mississippi	17.49	50	46	48	48	50	49

Source: Milken Institute *State Technology and Science Index: Sustaining America's Innovation Economy 2022* <<http://statetechandscience.org/statetech.taf?page=state-ranking>> accessed June 20, 2023.

**Table 17.22-- RESEARCH AND NON-RESEARCH EXTRAMURAL FUNDING FOR THE UNIVERSITY OF HAWAII: 1992 TO 2022**

[Fiscal year ending June 30. 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]

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/	1,925	421,852,160	1,069	222,860,456	856	198,991,704
2020 1/	1,879	450,439,249	1,079	229,664,292	800	220,774,957
2021 1/	1,963	485,528,926	1,061	238,259,645	902	247,269,281
2022	1,931	505,019,134	1,017	269,968,449	914	235,050,685

1/ Data is revised from previous *Data Book*.

Source: University of Hawaii, Office of Research Services, *Executive Managerial Report* (for 1992 to 2018) <<http://http://www.ors.hawaii.edu/index.php/reports/annual-executive-managerial-reports/111-reports/annual-reports/391-2017-2018-annual-report>> accessed May 22, 2019; *Board of Regents Monthly Reports* (Q4 annual) <<https://research.hawaii.edu/reports/reports/>> accessed April 28, 2023 and records.

**Table 17.23-- RESEARCH AND DEVELOPMENT EXPENDITURES AT HIGHER EDUCATION INSTITUTIONS: 1996 TO 2021**

[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
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
2019 5/	301,419	186,601	20,297	1,967	13,150	77,733	1,671
2020 5/	298,285	184,034	19,383	2,802	13,022	77,557	1,487
2021 5/	294,913	178,662	20,848	2,826	11,595	79,701	1,281

NA Not available.

1/ Category titled '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, *Higher Education Research and Development Survey*: Fiscal Year (annual) <<https://www.nsf.gov/statistics/srvyherd/>> accessed April 28, 2023.

**Table 17.24-- PATENTS ISSUED TO HAWAII RESIDENTS: 1992 TO 2020**

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	2020	161
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](http://www.uspto.gov/web/offices/ac/ido/oeip/taf/cst_all.htm)> accessed May 8, 2017; and *Patent Counts by Origin and Type Calendar Year* (Annual) <[https://www.uspto.gov/web/offices/ac/ido/oeip/taf/reports\\_stco.htm](https://www.uspto.gov/web/offices/ac/ido/oeip/taf/reports_stco.htm)> accessed August 8, 2022; 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	Operational
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/ Ground-Based Electro-Optical Deep Space Surveillance (GEODSS)	250	26.3	117	1965
Faulkes 2-m Telescope	25	6.1	16	1983
Transportable Laser Ranging System (TLRS4)	10	0.6	2	2003
Panoramic Survey Telescope And Rapid Response System (Pan-STARRS)	1	0.8	5	2005
UH Haleakala Support Facilities	110	5.6	11	2009
Daniel K. Inouye Solar Telescope (DKIST)	9	1.2	15	1962/2008
	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/ DKIST was scheduled to be operational by 2020. However, data are not yet available.

Source: University of Hawaii at Manoa, Institute for Astronomy, records.

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

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[Narrative](#)

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**Table**  
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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.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey estimates were not disrupted and are included in this release.



**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES  
AND INTERSTATES: 2022**

Island and 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
64	Sand Island Parkway, Sand Island Access Rd.	2.61
65	Kaneohe Bay Dr, Mokapu Blvd., Mokapu Saddle Rd.	4.15
72	Kalaniana'ole Hwy.	18.43
80	Kamehameha Hwy.	1.89
83	Kamehameha Hwy., Kahekili Hwy., Likelike Hwy.	43.90
92	Nimitz Hwy., Ala Moana Blvd.	9.28
93	Farrington Hwy.	19.52
95	Malakole St.	2.70
98	Olomea St., Halona St., South Vineyard Blvd.	1.76
99	Kamehameha Hwy., Kamananui Rd., Wilikina Dr, Farrington Hwy.	23.84
750	Kunia Rd.	8.05
7110	Farrington Hwy.	0.60
7415	Middle St.	0.52
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-Paho Rd., Paho-Kalapana Rd., Kaimu-Chain of Craters Rd.	21.82
190	Mamalahoa Hwy., Palani Rd.	38.97
200	Saddle Rd.	45.62
240	Mamane St., Honokaa-Waipio Rd.	9.59
270	Kawaihae Rd., Akoni Pule Hwy.	27.00
1950	Waiianuenue Ave., Kaumana Dr	7.85

Continued on next page.

**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES  
AND INTERSTATES: 2022 -- Con.**

Island and route	Description	Miles
Maui		
State routes		
30	High St., Honoapiilani Hwy., Kahekili Hwy.	41.62
31	Piilani Hwy.	7.15
36	Hana Hwy.	16.21
36A	Haleakala Hwy., Keolani Pl.	0.51
37	Haleakala Hwy., Kula Hwy.	21.34
310	North Kihei Rd.	3.59
311	South Puunene Ave., Maui Veterans Hwy.	6.41
340	Kahekili Hwy.	13.82
377	Haleakala Hwy., Kekaulike Pl.	9.14
380	Dairy Rd., Kuihelani Hwy.	6.17
3800	Kahului Airport Access Rd.	1.16
Kauai		
State routes		
50	Kaumualii Hwy.	32.92
51	Wapaa Rd., Rice St., Kapule Hwy.	3.45
56	Kuhio Hwy.	28.12
58	Nawiliwili Rd.	2.05
570	Ahukini Rd.	1.12
580	Kuamoo Rd.	6.68
583	Maalo Rd.	0.92
Molokai		
State routes		
450	Kamehameha V Hwy.	27.50
460	Kaunakakai Pl. & Maunaloa Hwy.	16.55
Lanai		
State Routes		
440	Kaumalapau Hwy. & Manele Rd.	13.17

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: 2020 TO 2022**

[As of December 31. Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Interstates, freeways	Other	
2020, State total	4,501.03	88.49	4,238.73	173.81
Hawaii	1,508.47	-	1,448.47	60.00
Maui	658.98	-	601.88	57.10
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,703.97	88.49	1,607.26	8.22
Kauai	445.29	-	422.80	22.49
Niihau	-	-	-	-
2021, State total	4,515.03	88.49	1/ 4,253.42	1/ 173.11
Hawaii	1,515.69	-	1/ 1,455.69	1/ 60.00
Maui	658.98	-	602.28	56.70
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,710.55	88.49	1,614.13	7.92
Kauai	445.48	-	422.99	22.49
Niihau	-	-	-	-
2022, State total	4,523.54	88.49	4,261.16	173.89
Hawaii	1,516.63	-	1,456.63	60.00
Maui	661.95	-	604.68	57.27
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,715.16	88.49	1,618.53	8.13
Kauai	445.48	-	422.99	22.49
Niihau	-	-	-	-

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, Highway Performance Monitoring System (HPMS) database.

**Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2022**

Island	Number of bridges 1/	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
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 2022**

[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
2020	1,153	246	823	84	1,362,885	263,181	1,064,802	34,901
2021	1,162	265	810	87	1,375,035	268,221	1,072,343	34,472
2022	1,177	284	819	74	1,421,369	341,471	1,041,228	38,669

1/ This term is defined in accordance with the pavement and bridge condition performance measures final rule, published in January of 2017. Bridge deck area is determined by multiplying length (NBI Item 49) by width. If NBI Item 52 (deck width) is greater than zero, this value is used for width in the calculation. If item 52 is zero or null, as in cases where the roadway is on a fill over the structure and headwalls do not affect the flow of traffic, NBI Item 32 (approach roadway width) is used for width in the calculation. For data prior to 2018, only item 52 is used for width in the calculation, regardless of its value.

Source: U.S. Department of Transportation, Federal Highway Administration, Bridges and Structures, *Bridges Condition by Highway System* <<https://www.fhwa.dot.gov/bridge/nbi/condition.cfm>> accessed June 14, 2023.

**Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2022**

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: 2011 TO 2022**

[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
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
2019	1,308,344	1,279,843	1,038,642	101	2,146
2020	1,262,538	1,235,139	1,000,939	105	1,940
2021	1,259,773	1,233,657	1,000,511	109	1,847
2022	1,280,068	1,241,543	1,008,471	107	1,796
		<b>Motor vehicles -- con.</b>			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers
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
2019	194,263	1,723	3,831	39,137	28,501
2020	189,547	1,927	3,800	36,881	27,399
2021	187,927	2,059	3,780	37,424	26,116
2022	186,860	2,131	3,819	38,359	25,622

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/ Effective January 1, 2017 new mopeds were included in the motorcycles count, by December 31, 2017 all mopeds were included in the motorcycles count.

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.07-- MOTOR VEHICLES REGISTERED, BY COUNTY: 1995 TO 2022**

[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
2019	1,279,843	795,949	210,358	86,650	186,886
2020	1,235,139	769,543	204,983	82,656	177,957
2021	1,233,657	770,201	204,633	81,644	177,179
2022	1,254,446	776,485	210,791	84,104	183,066

Source: Hawaii State Department of Transportation, Safe Communities Program, records.



**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,  
BY COUNTY: 2022**

[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	1,280,068	787,908	218,014	87,217	186,929
Motor vehicles	1,254,446	776,485	210,791	84,104	183,066
Passenger vehicles 1/	1,021,374	646,091	166,128	62,846	146,309
Ambulances	107	48	26	14	19
Buses	1,796	1,329	245	82	140
Trucks 1/	186,860	98,683	38,681	18,193	31,303
Truck tractors	2,131	640	196	1,208	87
Truck cranes	3,819	3,414	210	81	114
Motorcycles, motorscooters	25,456	15,790	4,610	1,431	3,625
Mopeds	12,903	10,490	695	249	1,469
Trailers and semi-trailers	25,622	11,423	7,223	3,113	3,863

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.

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.09-- VEHICLE REGISTRATION, BY TAXATION STATUS,  
BY COUNTY: 2022**

[Includes vehicles registered but subsequently scrapped or shipped out of State]

<b>Taxation status</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
Total registered	1,280,068	787,908	218,014	87,217	186,929
Taxable vehicles	1,194,114	708,342	215,013	86,060	184,699
Exempt vehicles	85,954	79,566	3,001	1,157	2,230
Federal government	496	492	1	-	3
State government	8,408	8,389	17	-	2
County government	11,090	6,923	1,681	805	1,681
Fire department	411	79	150	101	81
Police department	1,865	1,287	402	39	137
Consulates	49	48	1	-	-
Disabled veterans	1,097	609	410	16	62
Military non-resident	56,774	56,574	29	114	57
Farm	188	79	91	2	16
Horseless carriage	46	40	1	5	-
National Guard	5,530	5,046	218	75	191

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,  
BY COUNTY: 2021**

[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 this threshold. Data are based on a sample and are subject to sampling variability]

<b>Vehicles available</b>	<b>State total</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kauai</b>	<b>Maui</b>
Occupied units	490,080	72,194	338,093	23,464	56,319
None	40,721	2,625	34,087	1,307	2,702
1	161,793	23,912	114,352	6,214	17,315
2	172,870	26,386	113,940	8,660	23,874
3	69,519	11,922	46,169	4,092	7,336
4 or more	45,177	7,349	29,545	3,191	5,092

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Household size by vehicles available, B08201 <[https://data.census.gov/table?q=household+size+vehicles+available&g=040XX00US15\\_050XX00US15001,15003,15007,15009&tid=ACSDT1Y2021.B08201](https://data.census.gov/table?q=household+size+vehicles+available&g=040XX00US15_050XX00US15001,15003,15007,15009&tid=ACSDT1Y2021.B08201)> accessed June 14, 2023.

**Table 18.11-- TRUCK CHARACTERISTICS: 1987 TO 2002**

Category	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 2021**

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	62,716
1995	41,083	2006	67,224	2017	62,457
1996	41,480	2007	54,492	2018	59,480
1997	42,487	2008	41,184	2019	57,323
1998	40,673	2009	32,878	2020	46,064
1999	45,054	2010	32,649	2021	57,851

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2022 *Q1* and previous editions.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY NAMEPLATE: 2020 AND 2021**

Nameplate	2020	2021
Total	46,064	57,851
Acura	569	659
Audi	464	492
BMW	1,307	1,661
Buick	102	110
Cadillac	122	124
Chevrolet	2,448	2,414
Chrysler/Dodge/Jeep/Ram	3,023	3,815
Fiat	24	3
Ford	3,493	3,514
GMC	512	584
Honda	6,123	8,040
Hyundai	1,445	1,936
Infiniti	185	162
Jaguar	53	36
Kia	1,709	2,643
Land Rover	195	206
Lexus	1,313	1,723
Lincoln	46	77
Mazda	1,034	1,119
Mercedes	1,124	1,114
MINI	309	355
Mitsubishi	74	95
Nissan	3,554	4,304
Porsche	244	309
Subaru	2,099	2,750
Telsa	1,762	3,206
Toyota	11,436	14,720
Volkswagen	932	1,157
Volvo	275	297
All others	88	226

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2022 Q1.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS: 2020 AND 2021**

<b>Type and place of manufacture</b>	<b>2020</b>	<b>2021</b>
Total	46,064	57,851
Car	12,508	14,236
Light truck	33,556	43,615
Domestic brand	11,508	13,847
European brand	4,976	5,694
Japanese brand	26,387	33,574
Korean brand	3,193	4,736

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2022 Q1.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:  
1991 TO 2022**

[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
2020	916,949	602,938	136,564	56,223	121,224
2021	930,861	612,712	137,414	57,110	123,625
2022	943,872	619,906	142,016	57,355	124,595

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.



**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE AND SEX:  
2021 AND 2022**

[As of December 31]

Years of age	Total		Male		Female		Gender X 1/	
	2021	2022	2021	2022	2021	2022	2021	2022
Total	930,861	943,872	472,873	478,433	457,787	465,076	201	363
15 to 19	22,054	23,908	11,407	12,485	10,639	11,388	8	35
20 to 24	57,157	58,104	29,037	29,502	28,090	28,538	30	64
25 to 29	66,421	65,558	33,399	32,756	32,980	32,738	42	64
30 to 34	81,839	81,522	41,025	40,787	40,787	40,684	27	51
35 to 39	83,974	83,362	42,139	41,678	41,813	41,650	22	34
40 to 44	80,886	82,997	40,585	41,588	40,281	41,370	20	39
45 to 49	74,837	75,448	37,904	37,965	36,918	37,465	15	18
50 to 54	79,579	79,895	40,737	40,922	38,831	38,950	11	23
55 to 59	81,661	80,181	41,786	40,817	39,866	39,352	9	12
60 to 64	83,032	83,710	42,334	42,777	40,694	40,928	4	5
65 to 69	78,884	80,335	40,074	40,681	38,804	39,643	6	11
70 to 74	66,060	68,748	34,016	35,252	32,039	33,490	5	6
75 to 79	41,274	44,986	21,227	23,037	20,045	21,948	2	1
80 to 84	19,931	21,513	10,260	11,065	9,671	10,448	-	-
85 to 89	9,385	9,589	4,818	4,948	4,567	4,641	-	-
90 to 94	3,361	3,440	1,810	1,843	1,551	1,597	-	-
95 to 99	526	576	315	330	211	246	-	-

1/ Effective July 1, 2020, an applicant can now choose “X” or “Not Specified” in the gender category instead of the binary “M” (Male) or “F” (Female).

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1997 TO 2022, AND BY COUNTY, 2021 AND 2022**

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/
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
2020	439,087	355	11,140.9	9,020
2021	3/ 485,692	394	11,124.2	9,017
2022	499,566	400	11,251.4	9,017
County 2021				
Honolulu	273,340	355	6,701.6	8,706
Hawaii	104,339	510	1,983.6	9,704
Kauai	41,045	493	867.2	10,420
Maui	66,968	380	1,571.9	8,917
County 2022				
Honolulu	277,249	357	6,754.4	8,705
Hawaii	107,257	516	2,017.5	9,703
Kauai	45,215	539	874.9	10,424
Maui	69,845	388	1,604.6	8,913

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**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1997 TO 2022, AND BY COUNTY, 2021 AND 2022 -- Con.**

1/ Includes gasoline, diesel oil, and butanol.

2/ Based on motor vehicle total by county of inspection; includes both taxable and nontaxable vehicles, and all military nonresident exempt vehicles. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

3/ Derived from 2021 monthly liquid fuel tax base and tax collection reports.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2020 TO 2022**

[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	2020	2021	2022
Oahu					
H-1 east of Kualakai Pkwy. overpass	H-1	3.43	77,000	87,900	88,500
H-1 west of Paiwa St. (Waikele interchange)	H-1	7.00	130,000	145,700	147,900
H-1 west of Kaonohi St. overpass	H-1	11.74	201,400	223,800	227,700
H-1 at Halawa Stream Bridge	H-1	13.54	81,900	92,200	96,900
H-1 at airport off-ramp	H-1	16.22	69,200	77,800	84,400
H-1 east of Keehi interchange	H-1	17.09	61,500	64,300	62,500
H-1 west of King St. tunnel	H-1	18.77	46,100	55,700	60,600
H-1 at Kalihi interchange	H-1	19.27	140,800	164,600	172,900
H-1 at Kapalama drainage canal Bridge	H-1	20.22	155,000	178,800	186,100
H-1 west of Nuuanu Stream Bridge	H-1	21.07	147,100	172,700	183,100
H-1 west of Ward Ave. overpass	H-1	22.10	135,500	162,900	172,500
H-1 east of Keeaumoku St. overpass	H-1	22.94	147,200	172,400	179,500
H-1 at McCully St. overpass	H-1	23.55	108,800	125,600	129,800
H-1 at Manoa-Palolo drainage canal	H-1	24.58	87,500	100,600	99,800
H-2 south of Pineapple Rd. overpass	H-2	4.02	80,900	88,900	89,400
H-3 west of North Halawa Valley Bridge	H-3	1.28	41,700	46,400	46,700
H-3 west of Kamehameha Hwy. interchange	H-3	10.37	23,300	25,800	25,800
Moanalua Freeway west of Kahuapaani St. overpass	H-201	0.20	40,100	48,100	50,300
Moanalua Freeway west of Moanalua St. Bridge	H-201	3.19	88,500	106,400	110,200
Pali Hwy. at tunnels	61	5.69	27,800	34,200	34,600
Likelike Hwy. before Kalihi St. off-ramp	63	1.30	32,400	37,100	38,500
Likelike Hwy. north of Valley View Drive	63	2.96	26,000	29,700	31,100
Sand Island Parkway north of Bascule Bridge	64	1.41	15,700	12,100	11,800
Mokapu Saddle Rd. east of John A. Burns Fwy. on/off-ramp	65	2.54	17,700	19,700	19,900

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**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2020 TO 2022 -- Con.**

Island and site	Route	Milepoint	2020	2021	2022
Oahu - Con.					
Kalaniana'ole Hwy. east of Hawaii-Kai Marina Bridge	72	13.91	27,400	32,100	32,300
Kalaniana'ole Hwy. east of Ainakoa Ave.	72	18.32	66,500	76,500	77,500
Kamehameha Hwy. at Wilson Bridge	80	0.01	47,900	53,500	(NA)
Kamehameha Hwy. at South Fork Kaukonahua Stream	80	0.89	22,000	24,600	23,400
Joseph P Leong Hwy. north of Kamehameha Hwy. on/off-ramp	83	0.16	9,600	11,600	11,400
Kamehameha Hwy. 1.6 miles northeast of Johnson Rd.	83	30.59	10,000	12,100	12,300
Kamehameha Hwy./Nimitz Hwy. east of Aolele St.	92	1.61	21,200	23,500	23,700
Kamehameha Hwy./Nimitz Hwy. west of Kalihi Stream Bridge	92	3.66	8,600	9,500	9,800
Nimitz Hwy. east of Kalihi Stream Bridge	92	3.80	52,000	62,300	66,000
Nimitz Hwy. east of Sand Island Access Rd.	92	4.04	39,900	46,300	44,500
Nimitz Hwy. west of Halekauwila St. off-ramp	92	6.58	34,400	43,900	45,600
Farrington Hwy east of Hakimo Rd.	92	6.82	(NA)	39,200	39,300
Farrington Hwy. at Makaha Bridge #2	93	12.50	1/ 16,400	1/ 2/ 15,500	17,800
Kalaeloa Blvd. south of H-1 on-ramp	95	0.20	31,900	34,200	34,900
South Vineyard Blvd. west of Maunakea St.	98	0.86	14,900	17,000	17,900
South Vineyard Blvd south of Punchbowl St.	98	1.36	1/ 10,000	10,900	(NA)
Kamehameha Hwy. south of Kipapa Stream	99	14.54	23,300	27,000	28,100
Kamehameha Hwy. at Kaluaao Bridge	99	20.67	1/ 37,300	40,600	44,200
Kunia Rd near Kunia Dr.	750	4.81	12,100	13,000	12,100
Fort Barrette Rd. north of Roosevelt	901	0.07	(NA)	(NA)	12,400
Farrington Hwy west of Old Fort Weaver Rd.	7110	0.37	6,500	6,700	7,500
Middle St. across from the Bus Transit Center	7415	0.18	10,300	11,000	11,200

Continued on next page.

**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2020 TO 2022 -- Con.**

Island and site	Route	Milepoint	2020	2021	2022
Hawaii					
Kanoiehua Ave. near Pohaku St.	11	1.30	29,600	34,200	34,700
Volcano Rd. near Ikaika St.	11	5.29	39,400	44,800	45,400
Volcano Rd. at Glenwood Park	11	19.66	5,600	7,000	7,600
Mamalahoa Hwy. at State's Hwys. South Kona baseyard	11	104.14	6,100	7,600	7,900
Queen Kaahumanu Hwy. near Hualalai Rd.	11	120.98	21,100	24,300	24,700
Hawaii Belt Rd. north of Kalaoa Bridge	19	8.01	8,700	9,700	9,900
Kawaihae Rd. near Waiaka St.	19	58.90	7,800	9,700	10,000
Queen Kaahumanu Hwy. near Kaupulehu Dr.	19	83.60	9,700	14,100	15,100
Queen Kaahumanu Hwy. north of OTEC access Rd.	19	93.74	20,500	27,300	29,700
Keaau-Pahoa Rd. south of waste station Rd.	130	1.83	28,400	30,900	31,800
Hawaii Belt Rd. south of Lalamilo Farm Rd.	190	1.07	5,500	6,100	6,100
Saddle Rd. near Lava Rd.	200	33.04	4,000	5,600	6,200
Mamane St. near middle of route	240	4.98	1,200	1,500	1,400
Kawaihae Rd. next to Kawaihae Military Reservation	270	0.76	5,900	7,000	7,200
Kaumana Dr. after Puainako St.	1950	5.98	2,000	2,200	2,200
Maui					
Honoapiilani Hwy. near Keanu St.	30	0.50	11,200	12,400	12,700
Honoapiilani Hwy south of Waihuali St	30	4.05	11,200	13,500	14,000
Honoapiilani Hwy. near Ukumehame Park	30	12.14	17,200	25,900	27,600
Honoapiilani Hwy south of Hokiokio	30	19.48	1/ 11,660	10,700	11,300
Honoapiilani Hwy. south of Kaanapali Pkwy.	30	23.58	25,300	40,700	43,100
Honoapiilani Hwy. south of Maiha St.	30	29.57	6,000	7,700	8,700
Piilani Hwy. north of Wailea Ike Dr.	31	6.97	22,600	31,600	32,800
Hana Hwy. near Central Power Plant Rd.	36	1.70	30,500	35,000	35,700
Hana Hwy. near Baldwin Park	36	6.28	15,200	18,500	19,200
Hana Hwy. near Hookipa Park	36	8.72	11,200	13,400	13,600
Hana Hwy near North Holokai Rd	36	15.78	1/ 2,500	4,900	5,200

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**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2020 TO 2022 -- Con.**

Island and site	Route	Milepoint	2020	2021	2022
Maui - Con.					
Keolani Pl. near Palapala Dr.	36A	0.51	2,900	4,100	5,000
Kaleakala Hwy. near North Firebreak Rd.	37	0.60	26,600	30,200	31,000
Haleakala Hwy. west of Old Haleakala Hwy.	37	5.22	24,200	27,300	28,300
North Kihei Hwy. near 9th St.	310	0.86	11,900	16,500	17,200
Mokulele Hwy. near Nakii Rd.	311	2.38	25,800	33,100	34,600
Kahekili Hwy. south of Akakuu St.	340	0.55	5,900	6,600	6,500
Kekaulike Ave. north of Wahelani Rd.	377	7.38	920	1,000	960
Kuihelani Hwy. near Mauilani Pkwy.	380	1.52	20,000	26,500	28,000
Kahului Airport Access Rd. west of Hana Hwy. intersection	3800	0.78	11,100	17,200	19,300
Kauai					
Kaumualii Hwy. near Nani St.	50	1.51	21,200	25,300	27,400
Kaumualii Hwy. at Puneo Rd.	50	8.35	13,700	14,300	14,800
Kaumualii Hwy. at entrance to Russian Fort Elizabeth State Park	50	22.37	9,000	10,500	11,300
Rice St. near Mokoi St.	51	0.79	9,900	11,900	13,200
Kuhio Hwy. near Huilei Rd.	56	2.40	11,400	13,300	14,700
Kuhio Hwy. northwest of Kolo Rd. and Kalamania Rd.	56	23.53	10,800	10,200	9,900
Nawiliwili Rd. near Kanani St.	58	1.44	9,600	11,400	12,600
Akuhuni Rd. near Palai St.	570	0.31	10,600	13,000	14,300
Kuamoo Rd. across Ohelo Rd.	580	2.28	7,800	8,300	8,200
Maalo Rd. next to Kauai Memorial Gardens	583	0.47	570	850	1,200
Lanai					
Kaumalapau Hwy. west of Miki Rd.	440	4.07	820	1,000	1,100

1/ Annual Daily Traffic (ADT) counts.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, Highway Performance Monitoring System (HPMS) database.

**Table 18.19-- ROADWAY CONGESTION FOR URBAN HONOLULU: 2017 TO 2020**

Subject	2017	2018	2019	2020
Population (1,000s)	850	850	850	850
Auto commuters (1,000s) 1/	384	384	384	384
Daily vehicle-miles of travel (1,000s)				
Freeway	6,488	6,545	6,559	4,670
Arterial streets	3,267	3,344	3,314	2,360
Cost components				
Value of time (\$/hour)	18.12	18.71	19.14	20.17
Commercial value of time (\$/hour)	52.14	54.71	49.49	55.24
Gasoline (\$/gallon)	3.07	3.84	3.66	3.54
Diesel (\$/gallon)	4.04	4.21	4.26	4.16
Annual excess fuel consumed 2/				
Total fuel (1,000 gallons)	15,689	15,819	16,276	5,645
Fuel per auto commuter (gallons)	29	29	30	10
Annual delay 3/				
Total delay (1,000s of person-hours)	36,378	37,464	38,532	13,365
Delay per auto commuter (person-hours) 4/	64	66	68	24
Congestion cost				
Total cost (\$ million)	5/ 794	833	850	308
Cost per auto commuter (\$)	5/ 1,449	1,522	1,552	562

1/ Number of travelers who begin a trip during the morning or evening peak travel periods (6 to 10 a.m. and 3 to 7 p.m.).

2/ Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

3/ The overall size of the congestion problem. Measured by the total travel time above that needed to complete a trip at free-flow speeds.

4/ A yearly sum of all the per-trip delays for those persons who travel in the peak period (6 to 10 a.m. and 3 to 7 p.m.). This measure illustrates the effect of the per-mile congestion as well as the length of each trip.

5/ Revised from previous *Data Book*.

Source: Texas Transportation Institute, *2021 Urban Mobility Report* <<http://mobility.tamu.edu/ums/report/>> accessed June 2, 2022.



**Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 2002 TO 2021, AND BY COUNTY, 2020 AND 2021**

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal 2/	Injured only	Killed 2/
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/	10,404	95	6,920	95
2015 3/	10,358	85	6,798	93
2016 3/	9,452	109	6,800	120
2017 3/	9,074	96	6,664	107
2018 3/	8,406	110	6,429	117
2019 3/	8,004	102	6,211	108
2020 3/	5,257	81	3,989	85
2021 3/	5,966	94	4,758	94
County 2020 3/				
Honolulu	3,654	49	2,679	53
Hawaii	626	15	468	15
Kauai	362	7	241	7
Maui	615	10	601	10
County 2021 3/				
Honolulu	4,129	50	3,226	50
Hawaii	832	26	653	26
Kauai	381	16	231	16
Maui	624	2	648	2

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.

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: 2018 TO 2020**

[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
2018, State total	156	105	67	51	33	12	8	39	25
Hawaii	48	33	69	15	31	5	9	10	21
Honolulu	80	54	68	26	32	5	7	20	25
Kauai	8	6	70	2	30	1	15	1	15
Maui	20	12	60	8	40	1	5	7	36
2019, State total	146	103	1/ 71	43	1/ 29	1/ 8	6	35	24
Hawaii	36	24	1/ 68	1/ 11	1/ 32	1/ 2	7	1/ 9	1/ 25
Honolulu	68	53	78	15	22	2	3	13	1/ 20
Kauai	14	1/ 9	1/ 65	5	1/ 35	(NA)	1/ 1	1/ 5	1/ 32
Maui	28	17	60	11	40	4	13	8	1/ 28
2020, State total	114	81	71	33	29	8	7	25	22
Hawaii	24	19	78	5	23	(NA)	1	5	22
Honolulu	65	46	71	19	29	5	7	14	22
Kauai	10	5	53	5	47	(NA)	2	5	45
Maui	15	11	73	4	27	3	20	1	7

NA Not available.

1/ Data 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 June 14, 2023.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY COUNTY:  
2020 TO 2022**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2020	2021	2022	2020	2021	2021
Hawaii	170	145	170	5,850	4,480	3,657
Maui	233	(NA)	(NA)	4,487	(NA)	(NA)
Oahu	(3/)	(3/)	(3/)	571,223	(NA)	(NA)
Kauai 4/	-	-	-	4/ 128	(4/)	(4/)

NA Not available.

1/ Taxicabs are licensed annually, except in Kauai County where registration is not required. 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](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: 2022**

[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	1,362	6,082	119,747	5,971	25,219
Hawaii	215	1,020	19,786	1,316	5,171
Maui	153	1,343	28,453	1,040	4,012
Honolulu	901	3,224	58,373	3,010	13,863
Kauai	93	495	13,135	605	2,173

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 2022**

[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
2020 6/	543	21,881,186	48,536,030	44,318,132
2021	540	20,143,347	27,814,569	25,110,510
2022	461	19,881,153	34,753,527	31,888,794

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 include additional shuttle service.

6/ Kalaeloa shuttle service ended in August 2019.

Source: City and County of Honolulu, Department of Transportation Services, Transportation Mobility Division, records.

**Table 18.26-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 2023**

[As of January 1, 2023. 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/ 7/	2.75	1.25	70.00	35.00
July 1, 2022 8/	3.00	1.50	80.00	40.00
January 1, 2023 8/	3.00	1.50	80.00	40.00

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 student 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.

7/ As of June 20, 2021 paper bus pass sales have been discontinued, being replaced with HOLO card. Effective July 1, 2021 HOLO fare capping which is maximum amount charged for the time specified: adult, daily \$5.50; monthly \$70.00; youth, daily \$2.50; monthly \$35.00.

8/ Other fares: annual pass, adult \$880.00; youth \$440.00. HOLO fare capping which is maximum amount charged for the time specified: adult, daily \$7.50; monthly \$80.00; youth, daily \$3.75; monthly \$40.00.

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 June 14, 2023.

**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 2021**

[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
2019	324,579	9,804,277	(NA)
2020	222,451	5,104,712	(NA)
2021	246,518	4,559,074	(NA)

NA Not available.

1/ Includes itinerant air carrier and air taxi only.

2/ Includes air carrier, commuter and international.

3/ Ranking of top 100 FAA towers by total enplanements, 1 for highest number of passengers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *Terminal Area Forecast Summary* (annual) <[https://www.faa.gov/data\\_research/aviation/taf/](https://www.faa.gov/data_research/aviation/taf/)> accessed June 3, 2022; and for 2021, Query Data <<https://taf.faa.gov/>> accessed June 15, 2023.

**Table 18.29-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2020 TO 2022**

[An FAA directive dated December 8, 1987, requires all aircraft with 60 seats or less to be designated as air taxis, even if such aircraft are operated by a designated air carrier. This reclassification especially affects the data for Molokai Airport]

<b>Airport</b>	<b>Total operations</b>	<b>Air carrier</b>	<b>Air taxi</b>	<b>General aviation</b>	<b>Military</b>
2020					
Daniel K. Inouye International	186,985	96,211	44,831	33,952	11,991
Kahului	79,346	26,825	26,360	24,692	1,469
Ellison Onizuka Kona Int'l	92,849	17,320	8,278	61,056	6,195
Lihue	41,740	13,764	16,309	9,410	2,257
Hilo International	25,891	11,299	2,849	8,682	3,061
Molokai	26,354	3	20,566	4,724	1,061
Kalaeloa	177,991	-	13	158,025	19,953
2021					
Daniel K. Inouye International	274,785	125,025	89,871	46,103	13,786
Kahului	138,693	54,081	56,838	26,206	1,568
Ellison Onizuka Kona Int'l	96,395	30,398	11,869	48,001	6,127
Lihue	82,201	22,347	45,428	12,534	1,892
Hilo International	36,526	13,123	9,377	10,873	3,153
Molokai	25,702	-	21,065	4,168	469
Kalaeloa	167,430	-	-	146,106	21,324
2022					
Daniel K. Inouye International	316,732	145,511	102,365	52,306	16,550
Kahului	149,589	61,801	64,354	22,119	1,315
Ellison Onizuka Kona Int'l	103,579	34,009	11,756	52,596	5,218
Lihue	123,025	30,639	73,013	17,591	1,782
Hilo International	47,039	14,372	17,807	10,521	4,339
Molokai	33,365	-	28,759	4,044	562
Kalaeloa	183,683	-	-	162,283	21,400

Source: Federal Aviation Administration, Air Traffic Activity System, Airport Operations: Standard Report <<https://aspm.faa.gov/opsnet/sys/main.asp>> accessed on June 15, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.30-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:  
1991 TO 2022**

[An aircraft operation is an aircraft arrival or departure]

Year	Daniel K. Inouye International Airport	Hilo International Airport	Ellison Onizuka Kona International Airport	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
2020	186,985	25,891	92,849	79,346	41,740	26,354
2021	274,785	36,526	96,395	138,693	82,201	25,702
2022	316,732	47,039	103,579	149,589	123,025	33,365

Source: For 1991 to 2015, Hawaii State Department of Transportation, Airports Division, records; For 2016 to 2022, Federal Aviation Administration, Air Traffic Activity System, Airport Operations: Standard Report <<https://aspm.faa.gov/opsnet/sys/main.asp>> accessed on June 15, 2023.

**Table 18.31-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS SERVING HAWAII: 2011 TO 2022**

[Includes both scheduled and nonscheduled service, and also commuter lines and other air taxi service]

<b>Service</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
All carriers	37	38	36	36	36	35
Transpacific only	26	28	26	27	28	27
Domestic	12	16	14	14	14	13
Foreign	14	12	12	13	14	14
Transpacific and interisland	1	1	1	1	1	1
Interisland only	10	9	9	8	7	7
Passenger carriers	6	6	6	5	4	4
Cargo and mail only	4	3	3	3	3	3
<b>Service</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
All carriers	42	38	39	34	30	34
Transpacific only	35	31	32	24	19	24
Domestic	19	15	16	11	11	9
Foreign	16	16	16	13	8	15
Transpacific and interisland	1	1	2	6	7	8
Interisland only	6	6	5	4	4	2
Passenger carriers	3	2	2	2	2	1
Cargo and mail only	3	4	3	2	2	1

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: 2020 TO 2022**

[Non-stop flights only]

<b>Airport</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
State of Hawaii	5,318,667	10,735,084	12,745,630
Daniel K. Inouye International	3,370,122	5,491,101	6,910,186
Kahului	1,102,166	3,020,388	3,290,742
Ellison Onizuka Kona International	514,422	1,363,124	1,350,934
Hilo International	8,964	38,756	47,433
Lihue	322,993	821,715	1,146,335
Domestic	4,293,258	10,281,269	11,091,248
International	1,025,409	453,815	1,654,382

Source: Hawaii State, Department of Business, Economic Development and Tourism, Hawaii Tourism Authority, Tourism Research, Monthly Visitors Statistics, December 2021 and 2022  
<<https://www.hawaiitourismauthority.org/research/monthly-visitor-statistics/>> accessed June 15, 2023.

**Table 18.33-- CIVIL AIRMEN: 2018 TO 2022**

[As of December 31]

Item	2018	2019	2020	2021	2022
Estimated active personnel, total					
Pilots, except instructors	3,421	3,701	3,894	4,067	4,370
Commercial 1/	709	722	741	771	798
Flight instructors	760	797	782	802	858
Nonpilot airmen 2/ 3/	7,292	7,532	7,607	7,682	7,710
Flight attendant	4,514	4,618	4,672	4,695	4,675
Estimated active women personnel					
Pilots, except instructors	425	501	551	612	707
Commercial 1/	72	90	101	109	121
Flight instructors	80	92	97	104	119
Nonpilot airmen 2/ 3/	3,413	3,503	3,548	3,573	3,572
Flight attendant	3,236	3,317	3,359	3,379	3,367

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/](https://www.faa.gov/data_research/aviation_data_statistics/civil_airmen_statistics/)> accessed on June 15, 2023.

**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 2022**

[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
2020	3,283,322	3,357,384	75,203	2,219,641
2021	7,868,506	7,768,442	129,202	4,007,303
2022	10,944,255	10,998,206	188,759	6,949,089

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 2017-2022, Hawaii State Department of Business, Economic, Development & Tourism and U.S. Department of Transportation, Bureau of Transportation Statistics <[https://www.transtats.bts.gov/Fields.asp?gnoyr\\_VQ=FMF](https://www.transtats.bts.gov/Fields.asp?gnoyr_VQ=FMF)> accessed on June 16, 2023.

**Table 18.37-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2022**

Airport location	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
<b>OVERSEAS</b>						
Total	10,998,206	10,944,255	232,083	406,779	11,202	22,200
Honolulu	6,139,675	6,088,993	216,718	371,029	11,202	22,199
Kahului	2,729,914	2,716,416	3,474	17,657	-	1
Kona	1,146,672	1,151,607	9,562	16,343	(2/)	-
Lihue	942,182	946,324	2,327	1,750	-	-
Hilo	39,763	40,915	1	-	-	-
<b>INTERISLAND</b>						
Total	6,949,089	6,949,089	101,899	101,899	12,746	12,746
Honolulu	3,040,940	3,041,681	66,262	25,499	10,872	1,874
Kahului	1,433,788	1,447,048	8,640	24,351	1,111	3,534
Kona	880,403	855,680	11,400	21,791	667	3,613
Lihue	838,917	834,341	7,718	18,692	96	3,172
Hilo	597,726	608,721	7,548	10,351	-	553
Molokai	98,223	100,641	104	362	-	-
Lanai	37,717	37,348	70	214	-	-
Kapalua	8,099	8,780	158	640	-	-
Waimea-Kohala	4,352	4,321	-	-	-	-
Kalaupapa	6,362	7,987	-	-	-	-
Kalaeloa	-	-	-	-	-	-
Hana	2,562	2,541	-	-	-	-

1/ Revenue and non-revenue passengers, excluding passengers in transit and Military Airlift Command (MAC).

2/ Rounds to less than zero.

Source: Hawaii State Department of Business, Economic, Development & Tourism; and U.S. Department of Transportation, Bureau of Transportation Statistics <[https://www.transtats.bts.gov/Fields.asp?gnoyr\\_VQ=FMF](https://www.transtats.bts.gov/Fields.asp?gnoyr_VQ=FMF)> accessed on June 16, 2023.

**Table 18.38-- AIR CARGO AND AIRMAIL: 1990 TO 2022**

[In thousands of pounds]

Year	Overseas air cargo		Overseas airmail		Interisland	
	Outgoing	Incoming	Outgoing	Incoming	Air cargo: outgoing & incoming	Airmail: outgoing & incoming
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
2020 1/	347,261	642,416	17,079	14,363	172,575	37,406
2021 1/	420,126	773,114	24,611	31,455	201,570	37,775
2022 1/	468,913	819,081	22,404	44,400	203,799	25,491

1/ Data 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 1990 to 2016, Hawaii State Department of Transportation, Airports Division, records and for 2017 to 2022, Hawaii State Department of Business, Economic, Development & Tourism; and U.S. Department of Transportation, Bureau of Transportation Statistics, <[https://www.transtats.bts.gov/Fields.asp?gnoyr\\_VQ=FMF](https://www.transtats.bts.gov/Fields.asp?gnoyr_VQ=FMF)> accessed on June 16, 2023.

**Table 18.39-- NONSTOP FLIGHTS TO DEPART THE STATE OF HAWAII,  
BY DESTINATION: JULY 2022**

[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	5,563		
U.S.	5,045	Canada	
West		Vancouver	124
Denver	124	Japan	
Las Vegas	297	Osaka	7
Long Beach	124	Tokyo - Haneda	64
Los Angeles	1,300	Tokyo - Narita	77
Oakland	310	Other Asia	
Ontario	31	Seoul	77
Orange County	31	Oceania	
Phoenix	279	Auckland	25
Portland	124	Melbourne	9
Sacramento	129	Sydney	59
Salt Lake City	31	Other	
San Diego	248	Guam	31
San Francisco	676	Majuro	8
San Jose	372	Manila	19
Seattle	533	Nadi	5
East		Pago Pago	8
Atlanta	31	Tahiti	5
Austin	13		
Boston	17		
Chicago	67		
Dallas / Fort Worth	124		
Houston	31		
Minneapolis	23		
New York	31		
Newark	54		
Orlando	14		
Washington-Dulles	31		

Source: Diio - Mi<sup>®</sup>, Department of Business, Economic Development and Tourism, Hawaii Tourism Authority, Tourism Research, records.

**Table 18.40-- NONSTOP FLIGHTS, DOMESTIC AND INTERNATIONAL TO HAWAII FOR AIRPORTS: 2004 TO 2022**

[Scheduled flights, excludes charter flights]

Year	State total	Daniel K. Inouye International Airport	Hilo International Airport	Ellison Onizuka Kona International Airport	Kahului Airport	Lihue Airport
<b>Total flights</b>						
2004	40,050	27,822	-	3,032	7,563	1,633
2005	42,971	29,275	-	2,973	8,947	1,776
2006	44,483	28,895	241	3,449	9,689	2,209
2007	42,548	28,279	278	3,012	9,035	1,944
2008	37,670	25,165	60	2,754	7,316	2,375
2009	35,673	23,468	-	3,071	6,790	2,344
2010	39,836	25,409	-	3,545	8,387	2,495
2011	42,074	27,029	236	3,229	8,663	2,917
2012	46,249	29,520	373	3,556	9,407	3,393
2013	47,983	31,134	313	3,434	9,638	3,464
2014	48,805	30,795	297	3,777	10,221	3,715
2015	51,248	31,423	284	4,426	11,279	3,836
2016	53,251	32,310	278	4,688	12,011	3,964
2017	54,106	32,217	294	5,338	12,003	4,254
2018	59,312	33,072	327	6,888	13,358	5,667
2019	61,493	33,830	284	6,945	14,697	5,737
2020	24,157	13,857	53	2,816	5,591	1,840
2021	51,666	24,068	219	7,288	15,495	4,596
2022	60,060	29,261	270	7,357	16,659	6,513
<b>Domestic flights</b>						
2004	30,842	19,189	-	2,648	7,372	1,633
2005	33,401	20,450	-	2,586	8,589	1,776
2006	35,344	20,723	241	3,063	9,108	2,209
2007	33,912	20,504	278	2,626	8,560	1,944
2008	29,831	18,268	60	2,335	6,793	2,375
2009	28,314	17,071	-	2,650	6,254	2,339
2010	31,731	18,395	-	3,180	7,705	2,451
2011	32,024	17,938	236	3,159	7,823	2,868
2012	34,497	18,903	373	3,432	8,495	3,294
2013	35,101	19,420	313	3,286	8,725	3,357
2014	35,884	19,193	297	3,572	9,289	3,533

Continued on next page.

**Table 18.40-- NONSTOP FLIGHTS, DOMESTIC AND INTERNATIONAL TO HAWAII FOR AIRPORTS: 2004 TO 2022 -- Con.**

Year	State Total	Daniel K. Inouye International Airport	Hilo International Airport	Ellison Onizuka Kona International Airport	Kahului Airport	Lihue Airport
Domestic flights - Con.						
2015	38,259	19,813	284	4,216	10,298	3,648
2016	39,667	20,081	278	4,494	11,014	3,800
2017	39,749	19,476	294	4,873	11,029	4,077
2018	44,445	20,212	327	6,139	12,290	5,477
2019	47,378	21,810	284	6,193	13,559	5,532
2020	20,376	10,725	53	2,629	5,212	1,757
2021	49,942	22,712	219	7,221	15,236	4,554
2022	53,464	24,147	270	7,099	15,582	6,366
International flights						
2004	9,208	8,633	-	384	191	-
2005	9,570	8,825	-	387	358	-
2006	9,139	8,172	-	386	581	-
2007	8,636	7,775	-	386	475	-
2008	7,839	6,897	-	419	523	-
2009	7,359	6,397	-	421	536	5
2010	8,105	7,014	-	365	682	44
2011	10,050	9,091	-	70	840	49
2012	11,752	10,617	-	124	912	99
2013	12,882	11,714	-	148	913	107
2014	12,921	11,602	-	205	932	182
2015	12,989	11,610	-	210	981	188
2016	13,584	12,229	-	194	997	164
2017	14,357	12,741	-	465	974	177
2018	14,867	12,860	-	749	1,068	190
2019	14,115	12,020	-	752	1,138	205
2020	3,781	3,132	-	187	379	83
2021	1,724	1,356	-	67	259	42
2022	6,596	5,114	-	258	1,077	147

Source: Hawaii State, Department of Business, Economic Development and Tourism, Hawaii Tourism Authority, Tourism Research, records.

**Table 18.41-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY HAWAIIAN AIRLINES: 2018 TO 2022**

[As of July 1. Includes all taxes]

<b>Category</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
Regular fare	189.28	189.17	193.40	189.00	194.01
Lowest capacity-controlled fare	70.29	70.19	58.40	77.00	84.00

Source: Hawaiian Airlines, records.

**Table 18.42-- ANNUAL AVERAGE ROUND TRIP AIRFARES BETWEEN HONOLULU AND SELECTED DESTINATIONS: 2002 TO 2022**

[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	494	508	550	442	494	892	858
2020	440	416	448	400	456	806	772
2021	413	471	440	439	472	794	786
2022	455	502	556	507	572	1,022	1,040

Source: United States Department of Transportation, Origin and Destination data from Diio - Mi<sup>®</sup>.



**Table 18.43-- STATE COMMERCIAL HARBORS**

[Data as of 2020]

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	723	9,289
Kapalama			3,500	1,100			
Kalaeloa							
Barbers Point	42	38	2,300	1,800	3,260	36	4/ 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/ Construction of Hilo Pier 4 (602 feet long) continued through 2015.
  - 3/ In 2015 Hilo Harbor, Pier 1 had 40 percent of its shed demolished.
  - 4/ Yard area includes unpaved areas.
  - 5/ Honolulu Harbor Pier 12 rebuilt, completed in 2016.
- Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.44-- HARBOR DEPTHS: 2020**

[In feet]

Harbor	Controlling depth		Project depth	
	Entrance channel	Basin	Entrance channel	Basin
Hilo	(NA)	(NA)	(NA)	(NA)
Kawaihae	(NA)	(NA)	(NA)	(NA)
Kahului	(NA)	(NA)	(NA)	(NA)
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/ 41 feet in outer and inner channel.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022.

**Table 18.45-- SMALL CRAFT MOORING FACILITIES, BY ISLAND:  
DECEMBER 31, 2022**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,838	1,672	214	182	1/ 539+	444
Hawaii	378	345	30	21	1/ 100+	94
Maui	188	187	-	-	150	105
Oahu	1,147	1,016	168	145	1/ 250+	231
Kauai	125	124	16	16	39	14

1/ '+' means equal to or greater than the number shown.

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, records.

**Table 18.46-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLAND**

[Includes all lights, day beacons, buoys, and similar aids to navigation in the Hawaiian Archipelago]

Island	Number of aids to navigation				Lighthouses	Greatest nominal range (naut. miles)	Highest above sea level (feet)	Highest structure height (feet)
	By control							
	Total	Federal	Other 1/					
Total	548	317	231	21	2/ 25	2/ 931	3/ 153	
Hawaii	65	52	13	8	24	156	153	
Mau	75	34	41	2	10	161	40	
Molokini	1	1	-	-	21	186	138	
Kahoolawe	1	1	-	-	7	120	20	
Lanai	16	8	8	1	8	91	37	
Molokai	19	10	9	1	21	321	8	
Oahu	242	156	86	5	25	931	25	
Kauai	45	28	17	4	24	174	10	
Niihau	-	-	-	-	-	-	-	
Lehua	1	1	-	-	7	704	10	
Midway	19	19	-	-	4	51	51	
At sea	64	7	57	-	-	-	-	

1/ State and private. Includes State-maintained fish aggregating buoys at sea.

2/ Kaena Point Light.

3/ Cape Kumukahi Light.

Source: United States Coast Guard, Fourteenth Coast Guard District, records.

**Table 18.47-- UNDOCUMENTED VESSEL REGISTRATION:  
DECEMBER 31, 2022**

Subject	Number	Subject	Number
Registered vessels	13,453		
Length		Type of vessel	
Under 16 feet	4,738	Aux. powered sailing vessel	667
16 to less than 26 feet	7,077	Cabin motorboat	2,331
26 to less than 40 feet	1,497	Open motorboat	7,079
40 to 65 feet	137	Runabout	173
Over 65 feet	4	Sail only	429
Hull material		Houseboat	3
Aluminum	577	Motor vessel over 65 feet in length	5
Fiberglass / plastic	11,818	Thrill craft	2,543
Rubber / fabric	471	Other	223
Wood	122	Uses	
Other	457	Pleasure	12,446
Steel	8	Charter fishing	14
Propulsion		Commercial fishing	88
Inboard	1,656	Commercial Passenger	252
Outboard	8,652	Livery	31
Inboard / outboard	488	Dealer	1
Sail / inboard	184	Manufacturer	2
Sail / outboard	187	Youth group - fee exempt	80
Sail only	414	Government - fee exempt	288
Manual	69	Other	251
Other	190	Island where vessel is kept	
Waterjet	1,613	Hawaii	2,606
Mooring location		Kauai	1,697
Moored on water	1,682	Lanai	48
Moored on land	11,771	Maui	1,528
		Molokai	248
		Oahu	7,326

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 18.48-- NUMBERED VESSELS REGISTERED IN HAWAII: 1998 TO 2022**

[As of December 31. 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]

Year	Number of vessels	Year	Number of vessels	Year	Number of vessels
1998	15,138	2007	15,094	2016	11,689
1999	15,481	2008	16,744	2017	11,658
2000	14,874	2009	15,709	2018	12,371
2001	14,273	2010	14,847	2019	12,595
2002	15,445	2011	14,073	2020	12,853
2003	15,587	2012	13,328	2021	11,343
2004	17,130	2013	13,928	2022	13,453
2005	15,302	2014	12,034		
2006	15,015	2015	11,230		

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *State of Hawaii Report of Undocumented Vessel Registration* (annual) and records.

**Table 18.49-- BOATING ACCIDENTS: 1991 TO 2022**

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 2/	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
2020	10	1	1	1	13	113
2021	18	4	5	8	19	76
2022	12	4	4	4	14	174

NA Not available.

1/ Only two are termed U.S. Coast Guard reportable.

2/ There were two known individuals killed and three disappearances resulting from boating accidents. The three disappearances are presumed but not confirmed dead, resulting in five fatalities.

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics* (annual); Hawaii State Department of Transportation, Harbors Division, Boating Branch, *Recreational Boating Accident Statistics (Reportable) 1989 to 1991*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Recreational Boating Accident Statistics* (annual) and records.

**Table 18.50-- VESSEL ARRIVALS, BY DRAFT: 2019 AND 2020**

[Excludes domestic fishing craft]

Harbor	2019			2020		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	536	364	172	422	349	73
Kawaihae	348	303	45	414	310	104
Kahului	677	522	155	665	548	117
Barbers Point	762	658	104	566	471	95
Honolulu	2,070	1,228	842	2,093	1,346	747
Nawiliwili	451	327	124	330	223	107
Kaunakakai	21	21	-	32	32	-
Kaumalapau	(NA)	(NA)	(NA)	75	75	-
Pearl Harbor	(NA)	(NA)	(NA)	4	2	2

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2019, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<https://ndclibrary.planusace.us/#/home>> accessed June 16, 2021; *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022.



**Table 18.51-- CARGO VOLUME FOR SPECIFIED HARBORS: 2002 TO 2022**

[Fiscal year ending June 30. In 1,000 short tons]

Year	State	Honolulu	Kalaeloa Barbers Point	Kahului	Hilo	Kawaihae	Nawiliwili	Port Allen	Kauna- kakai	Kauma- lapau 1/
2002	16,908	8,236	3,268	2,475	1,385	626	624	209	85	(X)
2003	19,365	9,262	3,565	2,938	1,665	805	799	218	113	(X)
2004	18,716	9,032	3,495	2,758	1,505	829	794	205	98	(X)
2005	20,182	9,593	3,889	3,038	1,545	1,011	807	196	103	(X)
2006	20,664	9,768	3,962	3,129	1,631	1,052	828	197	97	(X)
2007	21,526	10,213	4,292	3,143	1,735	1,028	906	102	107	(X)
2008	21,094	10,114	4,214	2,918	1,593	922	919	296	118	(X)
2009	18,339	8,957	3,914	2,430	1,331	756	701	150	100	(X)
2010	17,706	8,922	3,484	2,265	1,280	726	699	223	94	13
2011	18,817	9,840	3,759	2,232	1,274	750	638	180	99	45
2012	19,082	10,094	3,806	2,264	1,235	744	638	177	76	48
2013	19,842	10,926	3,620	2,294	1,182	813	690	175	83	59
2014	20,395	11,179	3,556	2,413	1,260	867	735	179	90	116
2015	20,871	11,191	3,742	2,472	1,323	1,000	779	159	92	113
2016	21,309	11,437	3,876	2,499	1,308	1,062	820	123	86	98
2017	20,844	11,087	3,727	2,503	1,376	1,027	837	109	82	96
2018	20,332	11,064	3,494	2,231	1,359	977	913	120	71	103
2019	21,475	11,529	3,946	2,315	1,414	990	941	117	76	147
2020	20,025	10,611	3,764	2,166	1,269	998	786	131	76	224
2021	18,344	9,596	3,717	1,833	1,163	1,068	723	88	83	73
2022	20,427	10,317	3,940	2,253	1,634	1,038	837	139	84	185

X Not applicable.

1/ Kaunalapau cargo volume records commenced on March 1, 2010.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.52-- CARGO TRAFFIC FOR HAWAII HARBORS: 2018 TO 2022**

[Fiscal years ending June 30. Cargo volume units in thousands unless otherwise noted.  
Revenue in thousand of dollars]

Year	2018	2019	2020	2021	2022
Cargo (wharfage)					
Containers 1/	1,590	1,191	1,544	1,557	1,733
Autos and trucks	275	279	210	169	167
General merchandise and bulk items 2/	3,956	4,061	3,679	3,439	3,437
Pipelines 3/	29,455	36,326	32,989	22,519	30,839
Other 4/	65	67	67	69	70
Passengers	1,082	1,167	813	(5/)	168
Revenue (wharfage)					
Containers	96,216	113,883	109,155	117,950	132,599
Autos and trucks	10,058	12,198	8,713	7,594	7,745
General merchandise and bulk items	11,843	14,619	13,174	13,157	13,752
Pipelines	5,002	7,366	6,888	4,730	6,820
Other	521	630	562	559	461
Passengers	8,164	9,046	6,298	(5/)	1,796

1/ Containers are expressed in twenty-foot equivalent units (TEU's) and include empty containers, loaded containers and auto and trucks in containers. The surcharge units for foreign cargo are excluded.

2/ Items are expressed in tons and include cement, molasses, sugar, explosives, lumber, scrap metal, vehicles, trucks and trailers.

3/ Petroleum and chemical products are expressed in barrels. Pipeline water is excluded from above data.

4/ Individual units are used for livestock and crates. Lumber is measured in linear foot.

5/ Due to the COVID-19 pandemic, there were no port visits to Hawaii harbors made by passenger cruise ships, in compliance with the regulations established by the United States Centers for Disease Control.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.53-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:  
1993 TO 2020**

[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/	1,469	655	2,216	9,357	10,595	1,283
1994 1/	1,455	736	2,368	9,022	11,672	1,151
1995 1/	1,354	873	2,586	8,233	11,545	1,130
1996 1/	1,442	969	2,828	8,745	12,010	1,203
1997 1/	1,489	980	2,895	10,513	10,353	1,091
1998 1/	1,630	886	2,851	6,658	13,723	938
1999 1/	1,701	1,090	3,513	8,707	12,259	1,348
2000 1/	1,651	1,310	3,477	6,778	15,501	1,581
2001 1/	1,680	1,378	3,695	6,079	16,562	1,478
2002 1/	1,765	1,645	3,458	5,990	16,636	1,619
2003 1/	1,850	1,801	3,778	5,930	17,836	1,721
2004 1/	1,850	2,277	3,901	6,086	19,085	1,757
2005 1/	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
2018	2,129	2,035	3,615	9,854	15,182	2,069
2019	2,264	2,041	3,694	8,538	14,348	2,002
2020	1,925	1,970	3,093	7,491	12,262	1,789

1/ Prior to 2006, crude oil imports offloading to the pipeline at Barbers Point were incorrectly credited to Honolulu Harbor.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022 and other annuals.

**Table 18.54-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,  
FOR SPECIFIED HARBORS: 2020**

[In 1,000 short tons. Categories may not sum to totals because of rounding]

<b>Category</b>	<b>Hilo</b>	<b>Kawaihae</b>	<b>Kahului</b>	<b>Barbers Point</b>	<b>Honolulu</b>	<b>Nawiliwili</b>
All freight traffic	1,925	1,970	3,093	7,491	12,262	1,789
Foreign						
Inbound	18	-	18	4,604	620	13
Outbound	-	-	-	155	217	-
Canadian						
Inbound	-	-	20	321	-	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	1,906	1,970	3,054	2,412	11,425	1,777
Receipts	1,325	1,263	1,996	1,103	5,980	1,170
Shipments	581	707	1,059	1,284	5,442	606
Internal, intra, downbound	-	-	-	25	3	-

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022.

**Table 18.55-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES, FOR SPECIFIED HARBORS: 2020**

[In 1,000 short tons. Categories may not sum to totals due to rounding]

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Hilo	1,925	18	-	-	-	1,906	1,325	581	-
Petroleum and petroleum products	389	18	-	-	-	371	371	-	-
Primary manufactured goods	21	-	-	-	-	21	19	2	-
Food and farm products	12	-	-	-	-	12	6	7	-
Manufactured equipment, machinery and products	1,483	-	-	-	-	1,483	911	572	-
Kawaihae	1,970	-	-	-	-	1,970	1,263	707	-
Petroleum and petroleum products	81	-	-	-	-	81	81	(2/)	-
Primary manufactured goods	31	-	-	-	-	31	30	1	-
Food and farm products	156	-	-	-	-	156	116	40	-
Manufactured equipment, machinery and products	1,642	-	-	-	-	1,642	994	648	-
Kahului	3,093	18	-	20	-	3,054	1,996	1,059	-
Petroleum and petroleum products	387	18	-	-	-	369	369	-	-
Primary manufactured goods	42	-	-	-	-	42	38	4	-
Food and farm products	110	-	-	-	-	110	104	6	-
Manufactured equipment, machinery and products	2,490	-	-	-	-	2,490	1,450	1,040	-
Barbers Point	7,491	4,604	155	321	-	2,412	1,103	1,284	25
Petroleum and petroleum products	5,720	3,410	23	58	-	2,229	1,040	1,165	25
Primary manufactured goods	488	401	-	-	-	87	-	87	-
Food and farm products	(2/)	-	-	(2/)	-	-	-	-	-
Manufactured equipment, machinery and products	23	(2/)	-	(2/)	-	23	23	-	-

Continued on next page.

**Table 18.55-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES, FOR SPECIFIED HARBORS: 2020 -- Con.**

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Honolulu	12,262	620	217	-	-	11,425	5,980	5,442	3
Petroleum and petroleum products	677	434	65	-	-	177	131	43	3
Primary manufactured goods	232	34	6	-	-	192	166	25	-
Food and farm products	1,159	52	30	-	-	1,077	659	418	-
Manufactured equipment, machinery and products	9,730	73	18	-	-	9,640	4,786	4,854	-
Nawiliwili	1,789	13	-	-	-	1,777	1,170	606	-
Petroleum and petroleum products	142	13	-	-	-	130	130	-	-
Primary manufactured goods	21	-	-	-	-	21	19	2	-
Food and farm products	35	-	-	-	-	35	32	3	-
Manufactured equipment, machinery and products	1,567	-	-	-	-	1,567	970	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 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022.

**Table 18.56-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED NAICS CODES: 2022**

[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	1,233	29,104	1,888,550	64,889
481	Air transportation	73	9,242	811,714	87,830
4811	Scheduled air transportation	44	8,889	788,681	88,728
4812	Nonscheduled air transportation	29	353	23,033	65,219
483	Water transportation	26	1,221	126,308	103,439
484	Truck transportation	271	3,241	177,843	54,866
4841	General freight trucking	134	1,852	105,228	56,821
4842	Specialized freight trucking	137	1,390	72,615	52,260
485	Transit & ground passenger transp.	138	3,773	93,404	24,759
4853	Taxi and limousine services	60	2,409	49,346	20,488
4854	School & employee bus transp.	15	833	25,784	30,971
487	Scenic & sightseeing transportation	282	3,679	169,706	46,135
4871	Scenic & sightseeing transp., land	49	1,054	45,192	42,884
4872	Scenic & sightseeing transp., water	207	2,111	90,248	42,758
4879	Scenic & sightseeing transp., other	27	514	34,266	66,665
488	Support activities for transportation	318	4,902	350,221	71,447
4881	Support activities for air transp.	99	2,066	94,769	45,880
4883	Support activities for water transp.	40	1,404	188,356	134,141
4884	Support activities for road transp.	92	760	25,455	33,482
492	Couriers & messengers	72	2,153	111,779	51,912
4921	Couriers & express delivery services	42	1,902	99,660	52,406
4922	Local messengers and local delivery	31	252	12,120	48,175

Source: U.S. Bureau of Labor Statistics, *Quarterly Census of Employment and Wages*  
 <[https://data.bls.gov/cew/apps/data\\_views/data\\_views.htm#tab=Tables](https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables)> accessed June 16, 2023.

**Table 18.57-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND DESTINATION: 2017**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	23,139	27,615	908
Destination			
Hawaii	22,202	27,493	481
California	323	(1/)	(1/)
Oregon	8	(2/)	1
Washington	32	(1/)	3
Mode of transportation			
Single modes	20,029	27,015	447
Truck	15,690	19,752	231
Water	460	(1/)	54
Air (includes truck and air)	1,312	122	(1/)
Pipeline	2,567	6,598	(1/)
Multiple modes	3,110	600	(1/)
Parcel, U.S. Postal Service or courier	1,913	64	17
Truck and water	1,195	533	(1/)
Distance shipped (miles)			
Less than 50	19,148	26,552	290
50 to 99	1,109	405	50
100 to 249	1,918	525	137
250 to 499	27	(1/)	(1/)
More than 2,000	937	(1/)	(1/)
Commodity			
Agricultural products	806	(1/)	37
Meat, poultry, fish, seafood, and their preparations	922	119	(1/)
Other prepared foodstuffs and fats and oils	1,809	887	(1/)
Alcoholic beverages	807	342	8
Gasoline and aviation turbine fuel	6,140	14,335	184
Fuel oils	742	1,596	39
Other coal and petroleum products, NEC	375	578	21
Pharmaceutical products	2,056	77	3
Wood products	317	275	11
Textiles, leather, and articles of textiles or leather	387	17	8
Machinery	347	45	2
Electronic and other electrical equipment and components and office equipment	783	48	6

1/ Withheld because estimate did not meet publication standards.

2/ Rounds to zero.

Source: U.S. Census Bureau, *2017 Economic Census, 2017 Commodity Flow Survey*, various tables  
<<https://www.census.gov/programs-surveys/cfs.html>> accessed June 6, 2021.



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

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

Narrative

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<a href="#">19.02</a>	Farms, Market Value and Value of Sales: 2007, 2012 and 2017
<a href="#">19.03</a>	Farms by Size, Land in Farms, and Value of Land, Buildings and Equipment, by County: 2017
<a href="#">19.04</a>	Farm Production Expenses: 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 2017 *United States Census of Agriculture*; 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](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](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						
Average per farm	\$1,000	371,436	176,664	85,318	36,990	72,464
	Dollars	50,701	41,883	92,036	47,852	51,466
Market value of agricultural products sold						
Average per farm	\$1,000	563,803	269,188	151,383	61,025	82,206
	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](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](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: 2018 TO 2021**[In thousands of dollars. 2018 to 2020 revised from previous *Data Book*]

Item	2018	2019	2020	2021
Cash receipts from marketings	575,563	535,265	495,124	500,546
Livestock and products	167,217	148,831	137,594	147,271
Crops	408,346	386,434	357,530	353,275
Other income	63,451	69,758	134,077	93,260
Government payments	11,913	13,154	80,735	39,134
Imputed and misc. income received 1/	51,538	56,604	53,342	54,126
Production expenses	615,015	636,973	670,659	651,955
Feed purchased	31,622	34,913	33,385	38,322
Livestock purchased	4,317	5,153	5,418	5,413
Seed purchased	12,372	11,976	12,993	12,598
Fertilizer, lime and agricultural chemicals	46,872	45,756	49,603	57,807
Petroleum products purchased	23,013	23,023	20,912	24,302
Hired farm labor expenses 2/	222,372	225,121	239,859	239,692
All other production expenses 3/	274,447	291,031	308,489	273,821
Value of inventory change	-1,068	-646	998	1,263
Livestock	-969	-579	975	1,153
Crops	-	-	-	-
Materials and supplies	-99	-67	23	110

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; depreciation, interest, rent and taxes; and other miscellaneous expenses including agricultural chemicals.

Source: U.S. Bureau of Economic Analysis, "Local Area Personal Income and Employment, Farm Income and Expenses" (CAINC45) <<https://apps.bea.gov/iTable/>> accessed March 30, 2023.

**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 2022**

Year	Number of farms 1/	Farm acreage (1,000) 2/	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	5,398	1,300	3,000	1,100	7,500
2003	5,500	1,300	(5/)	(5/)	7,300
2004	5,500	1,300	(5/)	(5/)	7,300
2005	5,500	1,300	(5/)	(5/)	7,000
2006	5,500	1,160	(5/)	(5/)	7,000
2007	7,521	1,121	(5/)	(5/)	6,500
2008	7,500	1,110	3,300	900	6,200
2009	7,500	1,110	3,500	1,000	6,200
2010	7,200	1,100	3,800	1,000	6,300
2011	7,100	1,130	(5/)	(5/)	7,000
2012	7,000	1,130	(5/)	(5/)	6,500
2013	7,100	1,100	(5/)	(5/)	6,500
2014	7,100	1,100	(5/)	(5/)	7,000
2015	7,200	1,100	(5/)	(5/)	6,500
2016	7,300	1,100	(5/)	(5/)	6,000
2017	7,300	1,100	(5/)	(5/)	6,000
2018	7,300	1,100	(5/)	(5/)	6,300
2019	7,300	1,100	(5/)	(5/)	4,500
2020	7,300	1,100	(5/)	(5/)	4,300
2021	7,300	1,100	(5/)	(5/)	5,000
2022	7,300	1,100	(5/)	(5/)	5,300

1/ Based on farm definition of \$1,000 or more of agricultural sales.

2/ Includes land not in crop and pasture, such as farm house lots, roads, woodlots, etc.

3/ Working 15 or more hours per week. Annual averages are based on survey data for January, April, July, October.

4/ Includes family members and others that worked 15 or more hours during the survey week.

5/ 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](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin)> accessed April 11, 2019; Quick Stats <<https://quickstats.nass.usda.gov/>> accessed April 28, 2023.

**Table 19.08-- FARM EMPLOYMENT: 1998 TO 2021**

[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	13,153	5,777	7,376
2015	12,625	5,891	6,734
2016	12,255	5,961	6,294
2017	12,011	5,961	6,050
2018	12,515	5,939	6,576
2019	10,783	5,940	4,843
2020	10,425	5,936	4,489
2021	11,374	5,939	5,435

1/ 'Total farm employment' is the number of workers engaged in the direct production of agricultural commodities, either livestock or crops; whether as a sole proprietor, partner, or hired laborer.

2/ Consists of sole proprietors and non-corporate partners in the farm industry.

3/ 'Farm wage and salary employment' is the number of hired laborers engaged in the direct production of agricultural commodities, either livestock or crops.

Source: Bureau of Economic Analysis, "Annual State Personal Income and Employment, Total Full-Time and Part-Time Employment by NAICS Industry" (SAEMP25N) (September 30, 2022) and "Full-Time and Part-Time Wage and Salary Employment by NAICS Industry" (SAEMP27N) (September 30, 2022) <<https://www.bea.gov/itable/>> accessed March 31, 2023.

**Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2006 TO 2021**

[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			
2006	11,304	4,513	6,791
2007	12,489	6,149	6,340
2008	11,661	6,006	5,655
2009	11,288	5,903	5,385
2010	11,510	5,848	5,662
2011	12,304	5,776	6,528
2012	11,735	5,636	6,099
2013	11,861	5,693	6,168
2014	13,153	5,777	7,376
2015	12,625	5,891	6,734
2016	12,255	5,961	6,294
2017	12,011	5,961	6,050
2018	12,515	5,939	6,576
2019	10,783	5,940	4,843
2020	10,425	5,936	4,489
2021	11,374	5,939	5,435
Hawaii County			
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	5,566	3,513	2,053
2014	6,153	3,558	2,595
2015	6,033	3,598	2,435
2016	5,965	3,630	2,335
2017 4/	6,076	3,621	2,455
2018	6,307	3,607	2,700
2019	5,535	3,608	1,927
2020 4/	5,428	3,604	1,824
2021	5,860	3,607	2,253

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**Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2006 TO 2021 -- Con.**

<b>County and year</b>	<b>Total farm employment 1/</b>	<b>Farm proprietors employment 2/</b>	<b>Farm wage and salary employment 3/</b>
Honolulu County			
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	2,703	764	1,939
2014	3,024	784	2,240
2015	2,910	822	2,088
2016	2,804	842	1,962
2017 4/	2,803	848	1,955
2018	2,999	845	2,154
2019 4/	2,448	845	1,603
2020 4/	2,296	845	1,451
2021	2,543	845	1,698
Maui County 5/			
2006	2,568	691	1,877
2007	2,874	941	1,933
2008	2,661	930	1,731
2009	2,463	925	1,538
2010	2,572	928	1,644
2011	2,790	929	1,861
2012	2,591	919	1,672
2013	2,594	931	1,663
2014	2,870	944	1,926
2015	2,606	971	1,635
2016	2,453	984	1,469
2017 4/	2,095	987	1,108
2018 4/	2,101	984	1,117
2019 4/	1,774	984	790
2020	1,732	984	748
2021	1,931	984	947

Continued on next page.

**Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2006 TO 2021 -- Con.**

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
Kauai County			
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	998	485	513
2014	1,106	491	615
2015	1,076	500	576
2016	1,033	505	528
2017 4/	1,037	505	532
2018 4/	1,108	503	605
2019 4/	1,026	503	523
2020	969	503	466
2021	1,040	503	537

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/ Revised from previous *Data Book*.

5/ 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 16, 2022) and "Annual State Personal Income and Employment, Total Full-Time and Part-Time Employment by NAICS Industry" (SAEMP25N) (September 30, 2022) <<https://www.bea.gov/itable/>> accessed March 31, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 19.10-- VALUE OF CROP, LIVESTOCK, AND AQUACULTURE SALES: 1995 TO 2021**

[Thousands of dollars]

Year	All crops, livestock, and aquaculture	Crops				Livestock	Aquaculture
		All crops 1/	Sugar (unprocessed 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	2/ 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	(3/)	(D)	(NA)	4/ 57,467	76,367
2018	(NA)	(NA)	(3/)	(D)	(NA)	4/ 59,350	2/ 78,429
2019	(NA)	(NA)	(3/)	(D)	(NA)	5/ 55,014	78,471
2020	(NA)	(NA)	(3/)	(D)	(NA)	5/ 44,338	6/ 66,602
2021	(NA)	(NA)	(3/)	(D)	(NA)	5/ 51,268	79,670

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**Table 19.10-- VALUE OF CROP, LIVESTOCK, AND AQUACULTURE SALES:  
1995 TO 2021 -- Con.**

D Data not shown separately to avoid disclosure of individual operations but combined and included in  
NA Not available.

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/ Data come from the *Census of Aquaculture* and may not be comparable with other years.

3/ Hawaii's last sugar operation closed at the end of 2016.

4/ Includes cattle, hogs, milk, and honey. See Table 19.18 for details.

5/ Includes cattle, hogs, and honey. See Table 19.18 for details.

6/ Revised from previous *Data Book*.

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/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/)> accessed July 26, 2017; Quick Stats <<https://quickstats.nass.usda.gov/>> accessed June 20, 2023; 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; Hawaii Aquaculture (annual) <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Livestock,\\_Poultry,\\_and\\_Dairy/Aquaculture/index.php](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Livestock,_Poultry,_and_Dairy/Aquaculture/index.php)> accessed June 20, 2023; USDA National Agricultural Statistics Service, *Census of Aquaculture* <[https://www.nass.usda.gov/Surveys/Guide\\_to\\_NASS\\_Surveys/Census\\_of\\_Aquaculture/index.php](https://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Census_of_Aquaculture/index.php)> accessed July 8, 2021, and records.

**Table 19.11-- CROPS, BY ACREAGE AND SALES: 2019 TO 2022**

Subject and crop	2019	2020	2021	2022
Acreage in crop (1,000 acres)				
Coffee (acres bearing)	1/ 7.1	1/ 6.9	6.8	7.2
Macadamia nuts (acres bearing)	16.9	17.0	17.0	16.2
Pineapples	(D)	(D)	(D)	(D)
Seed crops	2.4	2.2	(NA)	(NA)
Taro	(NA)	(NA)	0.4	(NA)
Vegetables and melons (harvested acreage)	5.2	4.3	5.1	5.2
Value of crop sales (\$1,000)				
Coffee 2/	1/ 50,160	1/ 54,298	48,383	61,947
Flowers and nursery products	1/ 89,206	81,556	(NA)	(NA)
Macadamia nuts (in shell)	48,840	49,600	65,067	33,176
Pineapples (fresh equivalent)	(D)	(D)	(D)	(D)
Seed crops	109,400	109,300	(NA)	(NA)
Taro	(NA)	(NA)	6,359	(NA)
Vegetables, ginger root, herbs, and melons 3/	54,580	49,815	64,860	72,980

D Data not shown separately to avoid disclosure of individual operations.

NA Not available.

1/ Revised from previous *Data Book*.

2/ Value is expressed in cherry basis.

3/ 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.

Source: USDA National Agricultural Statistics Service, *Hawaii Seed Crops* (May 2022) <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Seed%20Crops/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Seed%20Crops/)> accessed May 26, 2022; *Hawaii Floriculture and Nursery Products* (December 2021) <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Flowers\\_and\\_Nursery\\_Products/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Flowers_and_Nursery_Products/)> accessed May 26, 2022; Census of Horticulture (January 2021) <[https://www.nass.usda.gov/Publications/AgCensus/2017/Online\\_Resources/Census\\_of\\_Horticulture\\_Specialties/](https://www.nass.usda.gov/Publications/AgCensus/2017/Online_Resources/Census_of_Horticulture_Specialties/)> accessed May 26, 2023; Hawaii Vegetable and Melon Crops (February 2023) <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Vegetables/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Vegetables/)> accessed May 26, 2023; *Pacific Region - Hawaii Coffee: Final season estimates* (May 2023) and *Pacific Region - Hawaii Noncitrus Fruits* <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Fruits\\_and\\_Nuts/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Fruits_and_Nuts/)> accessed May 26, 2023; Quick Stats <<https://quickstats.nass.usda.gov/>> accessed May 26, 2023; Hawaii Department of Agriculture, Market Analysis and News Branch, *Taro Statistics 2021* (October 2021) <<https://hdoa.hawaii.gov/add/market-analysis-news-branch/>> accessed May 26, 2023.



**Table 19.12-- SEED CROPS, BY NUMBER OF FARMS, ACREAGE, OUTSHIPMENTS, AND VALUE: 2005/2006 TO 2021/2022**

[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	(NA)	2,790	4,195	116,000	112,500	3,500
2019/2020	(NA)	2,360	4,060	109,400	(D)	(D)
2020/2021	(NA)	2,240	3,600	109,300	(D)	(D)
2021/2022 2/	(NA)	2,235	3,190	107,470	(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/ Preliminary.

Source: USDA National Agricultural Statistics Service, *Hawaii Seed Crops* (annual)

<[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Seed%20Crops/index.php](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Seed%20Crops/index.php)> accessed June 20, 2023.

**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 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: 2021**

[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/ 2/	Price received (\$ per lb.) 3/	Utilized Production (1,000 lb.) 2/	Value of sales (\$1,000)
Specialty crops						
Coffee 4/	6,800	(NA)	3.5	2.13	22,715	48,383
Macadamia nuts 5/	17,000	(NA)	3.1	1.23	52,900	65,067
Seed crops	(NA)	(NA)	(X)	(X)	(X)	(NA)
Fruits						
Avocados	740	(NA)	1.6	1.13	1,080	1,217
Papayas	600	(NA)	22.3	0.69	12,330	8,460
Vegetables						
Beans, long	(NA)	45	3.9	1.80	175	315
Beans, snap	(NA)	125	2.6	1.94	330	640
Bittermelon	(NA)	15	3.3	2.00	50	100
Cabbage, Chinese	(NA)	190	15.3	1.11	2,900	3,230
Cabbage, mustard	(NA)	50	8.7	0.85	435	370
Daikon radish	(NA)	60	8.9	1.12	535	600
Eggplant	(NA)	95	11.3	1.15	1,070	1,230
Kale	(NA)	70	7.7	2.72	540	1,470
Lettuce, head	(NA)	100	9.3	2.46	930	2,290
Lettuce, leaf	(NA)	195	7.2	2.54	1,400	3,550
Lettuce, Romaine	(NA)	130	7.5	2.20	970	2,130
Onions, green	(NA)	95	11.5	2.70	1,090	2,940
Potatoes, sweet	(NA)	175	18.3	0.89	3,210	2,860
Pumpkins	(NA)	95	5.6	1.08	530	570

NA Not available.

X Not applicable.

1/ For vegetables, calculated as 'utilized production' divided by 'acreage harvested.' Avocados are converted from tons to pounds (1/2000). Some precision may be lost due to rounding in the source.

2/ For avocados, converted from tons to pounds (1/2000). Some precision is lost due to rounding in the source.

3/ For vegetables, calculated as 'value of sales' divided by 'utilized production.' Avocados are converted from tons to pounds (1/2000). Some precision may be lost due to rounding in the source.

4/ Valuation of coffee is in cherry basis.

5/ Valuation of macadamia nuts is in shells.

Source: USDA National Agricultural Statistics Service, *Hawaii Vegetable and Melon Crops* (February 2023) <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Vegetables/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Vegetables/)> accessed May 26, 2023; *Pacific Region - Hawaii Coffee: Final season estimates* (May 2023) and *Pacific Region - Hawaii Noncitrus Fruits* <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Fruits\\_and\\_Nuts/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Fruits_and_Nuts/)> accessed May 26, 2023; Quick Stats <<https://quickstats.nass.usda.gov/>> accessed May, 26, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 19.15-- SPECIALTY CROPS, FRUITS, AND VEGETABLES: 2022**

[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/ 2/	Price received (\$ per lb.) 3/	Utilized Production (1,000 lb.) 2/	Value of sales (\$1,000)
Specialty crops						
Coffee 4/	7,200	(NA)	4.0	2.26	27,410	61,947
Macadamia nuts 5/	16,200	(NA)	2.3	0.88	37,700	33,176
Seed crops	(NA)	(NA)	(X)	(X)	(X)	(NA)
Fruits						
Avocados	730	(NA)	1.0	1.35	600	807
Papayas	500	(NA)	16.7	0.64	7,020	4,462
Vegetables						
Beans, long	(NA)	50	1.5	2.20	75	165
Beans, snap	(NA)	120	2.4	2.41	290	700
Bittermelon	(NA)	20	2.5	2.50	50	125
Cabbage, Chinese	(NA)	190	12.2	1.31	2,320	3,050
Cabbage, mustard	(NA)	45	8.4	0.97	380	370
Daikon radish	(NA)	60	9.2	1.27	550	700
Eggplant	(NA)	60	16.0	1.27	960	1,220
Kale	(NA)	65	6.2	3.40	400	1,360
Lettuce, head	(NA)	120	12.7	2.89	1,520	4,400
Lettuce, leaf	(NA)	190	7.8	2.41	1,480	3,570
Lettuce, Romaine	(NA)	140	7.1	2.28	1,000	2,280
Onions, green	(NA)	95	16.0	2.59	1,520	3,930
Potatoes, sweet	(NA)	270	9.3	0.90	2,500	2,240
Pumpkins	(NA)	90	5.6	1.15	500	575

NA Not available.

X Not applicable.

1/ For vegetables, calculated as 'utilized production' divided by 'acreage harvested.' Avocados are converted from tons to pounds (1/2000). Some precision may be lost due to rounding in the source.

2/ For avocados, converted from tons to pounds (1/2000). Some precision is lost due to rounding in the source.

3/ For vegetables, calculated as 'value of sales' divided by 'utilized production.' Avocados are converted from tons to pounds (1/2000). Some precision may be lost due to rounding in the source.

4/ Valuation of coffee is in cherry basis.

5/ Valuation of macadamia nuts is in shells.

Source: USDA National Agricultural Statistics Service, *Hawaii Vegetable and Melon Crops* (February 2023) <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Vegetables/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Vegetables/)> accessed May 26, 2023; *Pacific Region - Hawaii Coffee: Final season estimates* (May 2023) and *Pacific Region - Hawaii Noncitrus Fruits* <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Fruits\\_and\\_Nuts/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Fruits_and_Nuts/)> accessed May 26, 2023; Quick Stats <<https://quickstats.nass.usda.gov/>> accessed May, 26, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 19.16-- TOP 20 AGRICULTURAL COMMODITIES: 2021**

Rank	Commodity	Value of production (\$1,000)	Rank	Commodity	Value of production (\$1,000)
1	Seed Crops	107,470	11	Lettuce	7,970
2	Macadamia Nuts	62,730	12	Cabbage	6,725
3	Coffee	61,947	13	Taro	6,359
4	Cattle	47,848	14	Bananas	5,631
5	Algae	36,716	15	Ornamental, aquaculture	3,616
6	Basil	29,360	16	Palms, potted	3,556
7	Food crops grown under protection	1/ 14,817	17	Honey	3,083
8	Potted orchids, total	11,954	18	Green Onions	2,940
9	Eggs	10,637	19	Sweet Potatoes	2,860
10	Papayas	8,460	20	Mushrooms	2,614

1/ Value listed is from 2020.

Source: State of Hawaii Department of Agriculture, *2021 State of Hawaii Top 20 Commodities Produced* <<https://hdoa.hawaii.gov/add/market-analysis-news-branch/>> accessed March 6, 2023.

**Table 19.17-- LIVESTOCK INVENTORY: 1991 TO 2022**

[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					Hogs	Chickens 2/	Bee colonies
	Total	Milk cows	Beef cows	Calves	Other cattle 1/			
1991	215	11.0	80.0	43.0	81.0	34.0	1,213	10.0
1992	200	10.0	77.0	53.0	60.0	35.0	1,109	9.0
1993	178	11.0	78.0	44.0	45.0	33.0	1,012	9.0
1994	165	11.0	78.0	39.0	37.0	35.0	981	9.0
1995	178	11.0	82.0	45.0	40.0	34.0	933	8.0
1996	174	10.0	81.0	44.0	39.0	28.0	876	8.0
1997	172	10.0	83.0	39.0	40.0	29.0	863	9.0
1998	180	9.0	88.0	40.0	43.0	29.0	747	8.0
1999	173	9.0	86.0	40.0	38.0	28.0	721	8.0
2000	164	9.0	84.0	35.0	36.0	26.0	722	7.0
2001	150	7.0	81.0	34.0	28.0	27.0	659	8.0
2002	152	7.0	78.0	35.0	32.0	24.0	625	7.0
2003	151	7.0	79.0	32.0	33.0	23.0	600	7.0
2004	156	6.0	82.0	36.0	32.0	22.0	598	8.0
2005	155	5.7	81.3	34.0	34.0	19.0	547	9.0
2006	161	4.6	87.4	35.0	34.0	16.0	470	10.0
2007	158	3.8	85.2	35.0	34.0	15.0	398	10.0
2008	152	2.3	82.7	34.0	33.0	13.0	375	10.0
2009	150	1.6	84.4	32.0	32.0	13.0	381	10.0
2010	151	1.8	81.2	36.0	32.0	12.5	366	10.0
2011	141	2.0	79.0	30.0	30.0	11.5	(NA)	9.0
2012	140	1.9	78.1	32.0	28.0	11.5	(NA)	10.0
2013	135	2.2	71.8	33.0	28.0	11.5	(NA)	13.0
2014	133	2.2	71.8	34.0	25.0	9.0	(NA)	15.0
2015	133	2.2	68.8	32.0	30.0	9.0	(NA)	16.0
2016	140	2.2	72.8	34.0	31.0	10.0	(NA)	18.0
2017	142	2.4	73.6	34.0	32.0	8.0	(NA)	19.0
2018	144	2.0	75.0	34.0	33.0	9.0	(NA)	17.0
2019	142	1.5	75.5	33.0	32.0	11.0	(NA)	16.0
2020	140	0.7	75.3	33.0	31.0	10.0	(NA)	15.0
2021	142	0.6	76.4	33.5	31.5	9.0	(NA)	3/ 20.0
2022	144	0.8	79.2	34.0	30.0	7.0	(NA)	(NA)

NA Not available

1/ Includes other heifers, bulls, and steers.

2/ Excluding broilers.

3/ Revised from previous *Data Book*.

Source: USDA National Agricultural Statistics Service, Quick Stats <<https://quickstats.nass.usda.gov/>> accessed May 2, 2023, records, and calculations by the Department of Business, Economic Development and Tourism.

**Table 19.18-- LIVESTOCK SALES, BY TYPE: 1990 TO 2022**

[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	45,983	485	9,464	3,362
2019	42,752	1,106	(NA)	1,664
2020	40,317	1,343	(D)	2,678
2021	45,667	1,381	(D)	3,083
2022	52,771	2,544	(D)	(D)

NA Not available.

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 June 20, 2023.

**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](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 2022**

Year	Number of farms	Growing area					Wholesale 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	3/ 77,550
2018	(NA)	2,562	2,280	17,149	(NA)	2,116	3/ 86,007
2019 4/	530	2,456	5,406	12,896	251	1,785	72,708
2020	(NA)	2,324	2,091	13,224	(NA)	1,973	3/ 5/ 81,555
2021	6/ 274	1,230	2,626	7,776	(NA)	991	7/ 51,322
2022	6/ 291	1,104	2,520	6,539	(NA)	896	7/ 47,108

NA Not available.

1/ Details may not sum to total due to rounding and categories not shown separately.

2/ Glass or glass substitute structure.

3/ Wholesale value is reported for operations with production and sales over \$10,000.

4/ Data are from the 2019 Census of Horticulture and are not comparable to other years.

5/ Revised from previous *Data Book*.

6/ Includes all commercial operations with \$10,000 or more in sales.

7/ Wholesale value is reported for operations with production and sales over \$100,000.

Source: USDA, National Agricultural Statistics Service, Hawaii Field Office, *Census of Horticulture* <[https://www.nass.usda.gov/Surveys/Guide\\_to\\_NASS\\_Surveys/Census\\_of\\_Horticultural\\_Specialties/index.php](https://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Census_of_Horticultural_Specialties/index.php)> accessed July 8, 2021; and *Hawaii Horticulture and Nursery Products* (annual) <<https://www.nass.usda.gov/>> Hawaii Department of Agriculture (HDOA), *Statistics on Floriculture, State of Hawaii, 2022* <<https://hdoa.hawaii.gov/add/market-analysis-news-branch/>> accessed June, 20, 2023; and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 19.21-- SELECTED FLORICULTURE AND NURSERY PRODUCTS,  
BY COMMODITY: 2021**

[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	28	1,000 stems	1,597	1,679
Proteas	16	1,000 stems	650	655
Orchids				
Cut, Dendrobiums	16	1,000 stems	660	642
Potted, Dendrobiums	46	1,000 pots	307	2,433
Potted, Phalaenopsis	27	1,000 pots	317	2,775
Foliage				
Potted, Palms	28	1,000 pots	(NA)	3,773
Potted flowering plants				
Anthuriums	22	1,000 pots	283	2,376
Poinsettias	18	1,000 pots	218	1,137
Plant rentals	27	(NA)	(NA)	1,708
Landscape Plant Materials 2/	117	(NA)	(NA)	20,593

NA Not available.

1/ Number of farms having sales during that year.

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, 2020 *Hawaii Horticulture and Nursery Products Annual Summary* <[https://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/Publications/Flowers\\_and\\_Nursery\\_Products/index.php](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Flowers_and_Nursery_Products/index.php)> accessed March 4, 2022.

**Table 19.22-- AQUACULTURE OPERATIONS, BY NUMBER OF WORKERS AND VALUE: 2016 TO 2021**

Subject	2016	2017	2018	2019	2020 1/	2021
Peak number of workers	500	462	(2/)	369	352	408
Value (\$1,000)	75,710	76,367	(2/)	78,741	66,602	79,670
Shellfish	(D)	(D)	(2/)	(D)	(D)	(D)
Finfish	(D)	(D)	(2/)	(D)	(D)	(D)
Algae	34,349	35,190	(2/)	32,652	32,753	36,716
Ornamental	(D)	(D)	(2/)	2,643	3,561	3,616
Other 3/	41,361	41,177	(2/)	43,176	30,288	39,338

D Withheld to avoid disclosing data for individual farms but included in 'Other'.

1/ Revised from previous *Data Book*.

2/ 2018 data were collected by the Census of Aquaculture. Numbers are not comparable.

3/ 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/](https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/)> accessed February 14, 2023.

**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 \$1,000	5,101 79,577	4,790 49,471
Manure used	Farms Acres on which used	634 5,165	622 4,748
Organic fertilizer used	Farms Acres on which used	(NA) (NA)	668 5,235
Commercial fertilizer, lime and soil conditioners used	Farms Acres on which used	3,450 109,503	2,979 100,104
Commercial fertilizer, lime and soil conditioners expenses	Farms \$1,000	4,428 46,584	4,196 31,787
Chemical expenses	Farms \$1,000	4,487 32,993	3,803 17,684
Acers treated to control-			
Insects	Farms Acres on which used	2,349 30,417	1,945 50,380
Nematodes	Farms Acres on which used	379 4,089	178 5,040
Diseases in crops and orchards	Farms Acres on which used	963 9,143	805 8,963
Weeds, grass, or brush	Farms Acres on which used	3,299 114,713	2,439 93,195
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate	Farms Acres on which used	338 19,000	228 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: 2021**

Subject	Farms	Acres	Amount (\$1,000)
Certified organic farms	144	(NA)	(X)
Certified organic acres operated	144	3,117	(X)
Cropland	139	2,563	(X)
Pastureland/rangeland	15	554	(X)
Land owned	106	1,723	(X)
Land rented from others	54	(D)	(X)
Land rented to others	2	(D)	(X)
Total value of certified organic agricultural products sold	144	(NA)	17,497
Crops, including nursery and greenhouse	139	(NA)	15,247
All vegetables	46	276	7,717
All citrus fruits	34	81	183
All berries and other fruits	79	894	3,693
All tree nuts	12	(D)	1,739
All field crops	10	60	107
Propagative materials	2	(D)	(D)
Crops under glass or other protection			
Mushrooms	2	(D)	(D)
Tomatoes	2	(D)	(D)
Other vegetables and fresh herbs	14	1/ 64,510	1,009
Livestock and poultry	7	(X)	-
Poultry products	2	(X)	(D)
Other livestock products 2/	5	(X)	2,237

NA Not available.

X Not applicable.

D Withheld to avoid disclosing data for individual farms.

1/ Area reported in square feet rather than acres.

2/ This category includes semen, embryos, manure, feathers, etc., that was sold.

Source: USDA National Agricultural Statistics Service, *2021 Certified Organic Survey* (December 2022)

<[https://www.nass.usda.gov/Surveys/Guide\\_to\\_NASS\\_Surveys/Organic\\_Production/](https://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Organic_Production/)>

accessed April 24, 2023.

**Table 19.25-- GENERAL EXCISE TAX BASE FOR PRODUCING: 1998 TO 2022**

[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]

<b>Year 1/</b>	<b>Amount</b>	<b>Year 1/</b>	<b>Amount</b>
1998	478,200,600	2011	399,078,200
1999	501,500,800	2012	401,495,600
2000	519,272,000	2013	392,735,360
2001	499,896,000	2014	336,674,800
2002	522,418,200	2015	337,701,600
2003	543,561,000	2016	283,553,400
2004	550,948,600	2017	346,652,600
2005	613,694,000	2018	317,715,400
2006	480,012,000	2019	307,818,400
2007	475,827,000	2020	290,948,400
2008	448,975,400	2021	391,775,000
2009	351,578,020	2022	394,563,800
2010	339,034,600		

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 Collections" (annual tabular release) <[http://tax.hawaii.gov/stats/a5\\_3txcolrptarchive/](http://tax.hawaii.gov/stats/a5_3txcolrptarchive/)> accessed June 20, 2023.

**Table 19.26-- AGRICULTURE THEFT AND CRIME COST BY COUNTY:  
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/ Does not meet NASS publication standards but included in State totals.

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](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

<a href="#">20.01</a>	Forest and Natural Area Acreage, by Island: June 30, 2022
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<a href="#">20.03</a>	Forest and Brushland Fires, by Cause of Fire: 2019 to 2022
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## 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 *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, 2022**

Island	Conservation district forest land		Natural areas	
	Forest reserve land 1/	Private forest land 2/	Number of areas	Acres
State total	694,720	212,617	23	126,454
Hawaii	483,563	97,455	9	97,232
Maui	68,118	30,096	5	18,543
Kahoolawe	-	-	-	-
Lanai	-	6,950	-	-
Molokai	11,595	20,449	2	2,950
Oahu	45,305	17,780	5	2,514
Kauai	86,139	39,887	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. The alien forest classification was excluded starting in 2018. Maui Island removed the alien forest classification in 2020. Therefore, data after 2018 may not be comparable to previous years.

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife 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 <<https://www.nass.usda.gov/Publications/AgCensus/2017/index.php>> accessed April 27, 2020.

**Table 20.03-- FOREST AND BRUSHLAND FIRES, BY CAUSE OF FIRE:  
2019 TO 2022**

Cause of fire	Number of fires				Acres burned			
	2019	2020	2021	2022	2019	2020	2021 1/	2022 1/
State total	31	7	13	19	32,124	5,275	46,045	19,533
Lightning	-	-	1	1	-	-	(2/)	1
Campfire	1	2	2	2	228	4,303	5	3
Smoking	-	-	1	-	-	-	250	-
Debris burning	-	-	-	1	-	-	-	(2/)
Arson	-	-	-	2	-	-	-	(2/)
Equipment	1	-	1	2	9,805	-	43,026	16,802
Railroads	-	-	-	-	-	-	-	-
Children	-	-	-	-	-	-	-	-
Miscellaneous	29	5	8	11	22,091	972	2,763	2,728

1/ Components may not sum to total due to rounding.

2/ Rounds down to zero.

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, Fire Management Program, records.

**Table 20.04-- COMMERCIAL FISHING: 2003 TO 2022**

[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. Data from are revised from previous *Data Book*]

Year	Number of commercial fishermen	Commercial fish catch		
		Pounds landed	Pounds sold	Value to primary producers (dollars)
2003	3,310	24,758,321	(1/)	(1/)
2004	3,244	23,301,663	(1/)	(1/)
2005	3,062	30,580,972	(1/)	(1/)
2006	3,187	28,904,852	(1/)	(1/)
2007	3,090	29,529,632	(1/)	(1/)
2008	3,177	34,503,241	(1/)	(1/)
2009	3,179	28,961,235	(1/)	(1/)
2010	3,486	29,791,203	(1/)	(1/)
2011	3,337	32,418,627	(1/)	(1/)
2012	3,662	31,179,261	(1/)	(1/)
2013	3,972	32,518,856	(1/)	(1/)
2014	3,921	34,736,450	(1/)	(1/)
2015	3,885	37,048,277	(1/)	(1/)
2016	3,759	37,530,672	(1/)	(1/)
2017	3,720	36,246,622	(1/)	(1/)
2018	3,685	37,499,036	(1/)	(1/)
2019	3,500	34,594,544	(1/)	(1/)
2020	3,429	30,460,726	(1/)	(1/)
2021	3,146	29,107,943	(1/)	(1/)
2022	3,175	28,638,516	(1/)	(1/)

1/ Information is collected from a fish-dealer reporting system. Only total landings reported by commercial fishers is available.

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: 2019 TO 2022**

[Fiscal year ending June 30. Measured in pounds landed, excludes pond catches. Data are revised from previous *Data Book*]

Species	2019	2020	2021	2022
Total catch	34,594,544	30,460,726	29,107,943	28,638,516
Tunas	23,059,997	21,584,863	21,848,027	21,535,574
Aku (Skipjack)	676,657	651,626	624,206	412,244
Tombo	268,499	227,369	205,066	415,454
Bigeye (Ahi)	16,271,371	15,983,126	15,053,213	14,388,688
Yellowfin (Ahi)	5,832,104	4,710,863	5,959,697	6,312,790
Billfishes	4,990,391	4,044,686	3,456,027	3,694,639
Blue marlin	1,994,288	1,882,107	1,184,603	1,209,473
Shortnose spearfish	495,553	313,108	289,288	278,138
Striped marlin	1,122,039	997,958	656,221	523,288
Swordfish	1,346,505	803,669	1,301,237	1,649,654
Miscellaneous pelagic species	5,419,929	3,821,495	2,856,523	2,512,976
Mahimahi	1,026,212	685,906	678,538	679,621
Monchong	751,758	563,459	419,259	397,207
Ono	1,342,153	1,070,973	1,015,147	857,816
Opah	2,009,692	1,267,671	609,683	406,864
Walu	282,873	229,120	130,463	167,206
Deep bottom fishes	300,795	271,216	272,729	297,003
Ehu	23,066	26,621	28,418	30,588
Hapuupuu	5,793	6,582	4,045	4,193
Opakapaka	70,069	63,964	57,160	81,950
Uku	80,949	63,431	54,655	55,572
Ulaula (Onaga)	58,755	43,040	43,255	47,687
Akule/Opelu	385,059	343,467	357,070	326,612
Akule	268,127	235,683	279,387	231,854
Opelu	111,198	105,174	71,841	85,216
Jacks	29,209	21,609	20,261	14,834
Inshore fishes	236,170	240,102	239,227	197,769
Sharks	104,915	62,637	4,989	5,290
Mako	95,767	55,464	1,656	2,540
Lobsters	5,324	4,611	2,308	1,862
Crabs	17,576	25,934	11,591	18,247
Shells	(NA)	(NA)	(NA)	(NA)
Shrimps	16,031	8,526	(1/)	3,741
Seaweeds	3,220	2,654	1,137	2,500
Unclassified / miscellaneous	25,928	28,927	28,025	27,470

NA Not available.

1/ Withheld to preserve confidentiality; low level of fishermen reporting.

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

**Table 20.06-- COMMERCIAL SEA LANDINGS, BY ISLAND: 2019 TO 2022**

[Fiscal year ending June 30. Measured in pounds landed. Data from 2019 to 2021 is revised from previous *Data Book*]

<b>Island</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
State total	34,594,544	30,460,726	29,107,943	28,638,516
Hawaii	2,261,956	1,734,222	1,790,675	1,875,266
Maui	622,576	477,347	386,085	473,665
Lanai	9,912	5,432	5,849	5,937
Molokai	19,387	10,171	11,281	14,708
Oahu	31,030,172	27,619,937	26,430,082	25,711,619
Kauai and Niihau	650,541	613,618	483,972	557,322

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

**Table 20.07-- COMMERCIAL SEA LANDINGS, BY FISHING METHOD:  
2019 TO 2022**

[Fiscal year ending June 30. Measured in pounds landed. Data are revised from previous *Data Book*]

<b>Fishing method</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
All methods	34,594,544	30,460,726	29,107,943	28,638,516
Aku pole and line	(1/)	(1/)	(1/)	(1/)
Longline	29,677,507	26,458,084	25,380,601	24,597,315
Handline	1,678,295	1,442,460	1,532,255	1,641,198
Trolling	2,638,425	1,982,179	1,593,846	1,882,386
Net	319,026	303,846	367,908	311,716
Trap	43,671	42,581	32,954	36,109
All other methods	237,620	231,576	200,380	169,794

1/ Due to low level of fishermen reporting and to preserve confidentiality, data are combined with "All other methods."

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



**Table 20.08-- MINERAL INDUSTRIES (NAICS 21): 1992 TO 2017**

[Includes establishments with payroll. Statistics in 1992 are based on the Standard Industrial Classification (SIC) system used in the Economic Census. Statistics in 1997 and on are based on the North American Industry Classification System (NAICS) which replaced the SIC system]

Subject	1992	1997	2002	2007	2012	2017
Number of establishments	7	7	8	8	7	(D)
With 20 employees or more	4	2	1	4	1	(D)
All employees						
Number (1,000) 1/	0.2	0.1	0.1	0.2	(2/)	(2/)
Annual payroll (million dollars)	9.4	5.6	7.3	9.6	(D)	(D)
Production, development, and exploration workers						
Number (1,000) 1/	0.2	0.1	0.1	0.1	(D)	(D)
Annual hours (millions)	0.4	0.2	0.2	0.3	(D)	(D)
Annual wages (million dollars)	8.1	4.7	5.1	7.9	(D)	(D)
Value added (million dollars)	27.3	22.0	20.7	49.0	(D)	(D)
Total cost of supplies (million dollars)	11.3	(D)	6.6	12.9	(D)	(D)
Total value of shipments and receipts for services (million dollars)	33.7	33.3	25.6	55.4	(D)	(D)
Capital expenditures (million dollars)	4.8	(D)	1.7	6.4	(NA)	(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, *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*; 2017 Economic Census, Table ECNTYPE2017 <<https://data.census.gov/>> accessed October 21, 2020.

**Table 20.09-- NONFUEL MINERAL PRODUCTION: 2015 TO 2018**

[Production as measured by mine shipments, sales, or marketable production (including consumption by producers). Data are rounded to no more than three significant digits; may not add to totals shown]

<b>Minerals</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Quantity (1,000 metric tons)				
Gemstones	(NA)	(NA)	(NA)	(NA)
Sand and gravel (construction)	459	357	449	378
Stone (crushed)	5,150	5,260	5,070	4,680
Value (\$1,000)				
Total	112,000	113,000	120,000	(NA)
Gemstones	103	69	12	(NA)
Sand and gravel (construction)	10,300	7,720	9,170	7,630
Stone (crushed)	101,000	105,000	111,000	107,000

NA Not available.

Source: U.S. Geological Survey, *2017 Minerals Yearbook*, Statistical Summary [Table-Release only] (May 2021) <<https://www.usgs.gov/centers/nmic/statistical-summary>> accessed June 21, 2022; and USGS, *Aggregates Time Series Data by State, Type, and End Use* (April 2021) <<https://www.usgs.gov/media/files/usgs-aggregates-time-series-data-state-type-and-end-use>> accessed June 9, 2022.

**Table 20.10--CRUSHED STONE SOLD OR USED: 2015 TO 2018**

[Quantity, value, and unit value totals are a result of calculations based on all crushed stone sold or used in the State. Components may not add to total because of rounding]

Type	2015	2016	2017	2018
Quantity (1,000 metric tons)	5,150	5,260	5,070	4,680
Traprock	4,760	4,780	4,600	4,210
Volcanic cinder and scoria	32	35	44	39
Miscellaneous stone	356	443	425	429
Value (\$1,000)	101,000	105,000	111,000	107,000
Traprock	93,800	95,800	101,000	97,400
Volcanic cinder and scoria	628	676	932	840
Miscellaneous stone	6,810	8,490	8,500	8,530
Unit value (dollars)	19.66	19.95	21.83	22.81
Traprock	19.71	20.03	22.00	23.12
Volcanic cinder and scoria	19.63	19.48	21.26	21.83
Miscellaneous stone	19.13	19.17	20.02	19.89

Source: USGS, *Aggregates Time Series Data by State, Type, and End Use* (April 2021)  
 <<https://www.usgs.gov/media/files/usgs-aggregates-time-series-data-state-type-and-end-use>> accessed June 9, 2022

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## Section 21

# CONSTRUCTION AND HOUSING

This section presents statistics on construction activity and costs, the size and composition of the housing inventory, occupancy of housing units and office buildings, home sales, and residential financing. Related series are included in Sections 6 (land use) and 14 (prices).

The principal sources for these data are the U.S. Census Bureau, various series compiled by state and county agencies primarily the Hawaii State Department of Business, Economic Development & Tourism; Hawaii State Department of Commerce and Consumer Affairs; Hawaii State Department of Taxation; the Hawaii Housing Finance and Development Corporation; the Hawaii Public Housing Authority; the Hawaii Bureau of Conveyances; and the four county building departments, local real estate companies, and Title Guaranty of Hawaii. 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: 2008 TO 2022**

Year	State total 1/	City and County of Honolulu	Hawaii County	Kauai County 1/	Maui County
Number issued 2/					
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
2020	19,424	15,182	3,042	161	1,039
2021	18,685	14,328	2,839	167	1,351
2022	19,895	13,824	4,813	158	1,100
Estimated value 2/ (\$1,000)					
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
2020	3,108,490	1,816,672	670,865	149,305	471,647
2021	3,747,106	2,254,312	727,067	130,159	635,569
2022	3,579,323	2,010,381	855,139	141,785	572,019

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 COUNTY AND BY TYPE:  
2020 TO 2022**

[In thousands of dollars]

<b>Category</b>	<b>State total 1/</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County 1/</b>	<b>Maui County</b>
<b>2020</b>					
Total	3,108,490	1,816,672	670,865	149,305	471,647
Residential	1,144,971	431,405	359,280	149,305	204,980
Hotel	139,652	-	82,744	(NA)	56,908
Non-residential	338,925	163,912	84,531	(NA)	90,481
Additions and alterations	1,484,943	1,221,355	144,310	(NA)	119,278
<b>2021</b>					
Total	3,747,106	2,254,312	727,067	130,159	635,569
Residential	1,994,753	1,043,432	425,926	130,159	395,237
Hotel	61,290	-	61,290	(NA)	-
Non-residential	364,876	110,353	127,349	(NA)	127,174
Additions and alterations	1,326,187	1,100,527	112,502	(NA)	113,158
<b>2022</b>					
Total	3,579,323	2,010,381	855,139	141,785	572,019
Residential	1,759,994	806,252	502,342	141,785	309,616
Hotel	38,830	-	-	(NA)	38,830
Non-residential	368,322	115,058	150,239	(NA)	103,024
Additions and alterations	1,412,176	1,089,070	202,558	(NA)	120,548

NA Not available.

1/ Totals do not include hotel, non-residential and additions/alterations data for Kauai County. Only Kauai County residential data were 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:  
2019 TO 2022**

[Excludes building permits for additions, alterations and repair. "Accepted value" is the cost of construction for which building permits are issued]

Type of structure	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
2019					
One-family	394,104	406,128	353,955	703,923	332,582
Two-family	453,271	506,858	(1/)	249,005	232,205
Multi-family	225,226	210,758	125,000	(1/)	338,293
2020					
One-family	457,265	465,542	418,490	936,786	436,323
Two-family	355,196	410,296	108,359	347,040	237,691
Multi-family	185,483	143,399	93,503	196,387	339,921
2021					
One-family	453,935	396,663	435,397	778,452	497,775
Two-family	361,054	390,917	200,000	415,429	117,587
Multi-family	314,726	296,114	211,117	(1/)	417,341
2022					
One-family	531,623	387,664	537,758	894,215	650,631
Two-family	321,280	453,984	(1/)	571,756	164,205
Multi-family	386,424	380,392	341,328	(1/)	433,496

1/ No permits were issued for this type of structure.

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 2022**

[Data are on a cash basis accounting. Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to income received in the 12-month period ending November 30. Taxation districts cover the same areas as counties]

Year	State total	Oahu	Maui	Hawaii	Kauai
1997	2,944,426,975	2,550,529,925	161,468,800	165,146,225	67,282,025
1998	3,015,976,700	2,570,586,400	193,365,375	180,875,700	71,149,225
1999	2,991,200,575	2,377,630,700	259,711,650	263,906,725	89,951,500
2000	3,613,485,025	2,800,712,550	326,777,275	367,672,100	118,323,100
2001	3,766,403,750	2,832,649,550	360,568,625	446,027,500	127,158,075
2002	4,274,955,575	3,266,988,350	364,438,350	501,577,600	141,951,275
2003	4,536,323,150	3,406,143,325	425,070,200	550,418,975	154,690,650
2004	4,921,512,300	3,754,257,925	452,890,850	533,308,625	181,054,900
2005	6,023,996,950	4,528,358,950	608,407,100	661,365,400	225,865,500
2006	7,223,333,825	5,405,648,475	728,682,550	789,189,250	299,813,550
2007	8,072,911,800	6,060,562,900	828,132,400	863,832,825	320,383,675
2008	7,987,126,150	6,108,692,775	750,457,450	785,465,450	342,510,475
2009	6,641,660,400	5,266,870,075	574,894,650	533,871,075	266,024,600
2010	5,589,766,225	4,435,203,750	500,098,600	439,744,725	214,719,150
2011	5,837,444,675	4,701,571,600	485,970,550	439,583,975	210,318,550
2012	7,006,133,075	5,727,310,125	584,092,725	474,661,300	220,068,925
2013	7,329,960,150	5,981,165,975	603,158,925	526,519,650	219,115,600
2014	7,024,043,900	5,611,443,525	662,255,275	546,117,525	204,227,575
2015	8,112,237,975	6,477,255,450	747,761,100	662,853,275	224,368,150
2016	8,288,207,150	6,571,972,725	801,753,300	665,740,700	248,740,425
2017	8,384,358,050	6,708,683,775	796,437,725	624,410,250	254,826,300
2018	9,455,622,425	(1/)	(1/)	(1/)	(1/)
2019	9,609,275,775	(1/)	(1/)	(1/)	(1/)
2020	9,757,216,700	(1/)	(1/)	(1/)	(1/)
2021	10,108,429,675	(1/)	(1/)	(1/)	(1/)
2022	10,787,077,675	(1/)	(1/)	(1/)	(1/)

1/ The Hawaii State Department of Taxation ceased publication of the district (county) detail reports as they were based on the address of the taxpayer and may not have accurately represented where the tax liabilities were actually incurred.

Source: Hawaii State Department of Taxation, General Excise and Use Tax Collections (annual calendar year summary) <[https://tax.hawaii.gov/stats/a5\\_3txcolrpt/](https://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed June 20, 2023.

**Table 21.05-- GENERAL CONSTRUCTION STATISTICS (NAICS 23): 2017**

[Includes establishments with payroll. Numbers in \$1,000 unless otherwise noted as a number. Statistics based on the 2017 North American Industry Classification System (NAICS)]

Measure	Amount
Number of establishments	2,877
Total number of employees	32,115
Construction workers	
Number in 1/	
March	23,956
June	25,274
September	25,028
December	25,077
Average	24,834
Other employees	
Number in 1/	
March	8,159
June	7,935
September	7,797
December	8,067
Average	7,990
Annual payroll	2,232,419
Total fringe benefits	703,466
Annual wages	
Construction workers	1,543,618
Other employees	688,801
Annual hours	
Construction workers	54,526
Total selected costs	5,765,559
Materials, components, and supplies	2,902,957
Construction work subcontracted out to others	2,575,460
Selected power, fuels, and lubricants	228,858
Purchased electricity	40,136
Natural gas and manufactured gas	10,978
Gasoline and diesel fuel	168,464
On-highway use of gasoline and diesel fuel	133,974
Off-highway use of gasoline and diesel fuel	34,490
All other fuels and lubricants	9,280
Value of business done	10,843,509
Construction work	10,777,888
Construction work on government owned projects	2,584,664
Federally owned projects	868,893
State & locally owned projects	1,715,771
Construction work on privately owned projects	8,193,224
Other business done	65,633

Continued on next page.

**Table 21.05-- GENERAL CONSTRUCTION STATISTICS (NAICS 23): 2017 -- Con.**

Measure	Amount
Value of construction work subcontracted in from others	2,035,221
Net value of construction work	8,202,428
Value added	5,077,950
Total capital expenditures	117,319
Total retirements of depreciable assets	63,197
Gross value of depreciable assets (acquisition costs), end-of-year	1,626,242
Total depreciation during year	139,136
Total rental payments or lease payments 2/	123,989
Buildings and other structures	63,002
Machinery and equipment rentals	60,987
Total other expenses	666,497
Temporary staff and leased employee expenses	28,746
Expensed computer hardware and other equipment	12,164
Expensed purchases of software	6,359
Data processing and other purchased computer services	6,685
Communication services	24,563
Repair and maintenance services of buildings and/or machinery	28,395
Refuse removal (including hazardous waste) services	10,446
Advertising and promotional services	24,378
Purchased professional and technical services	65,873
Taxes and license fees	122,854
All other operating expenses	336,034

1/ Pay period including the 12th of the month.

2/ The total rental payments are rental payment or lease payments for buildings, other structures, machinery, and equipment rentals. Includes operating leases. Includes all costs for renting or leasing space and buildings. Excludes costs under agreements that are in effect conditional sales contracts such as capital leases. Includes rental payments or lease payments for production, loading, and transportation machinery and equipment, furniture and vehicles. Excludes computer time-sharing charges for machinery and equipment rentals from computer service firms where the computer is not on site at the establishment.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1723BASIC <<https://data.census.gov/>> accessed October 21, 2020.

**Table 21.06-- CHARACTERISTICS OF THE CONSTRUCTION INDUSTRY (NAICS 23): 2017**

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

NAICS code	Kind of business	Establishments	No. of employees		Annual payroll - all employees (\$1,000)	Annual wages - construction workers (\$1,000)	Value of construction work (\$1,000)
			All 1/	Construction workers average 2/			
23	Total	2,877	32,115	23,956	2,232,419	1,543,618	2,035,221
236	Construction of buildings	(D)	8,693	5,765	640,968	379,037	184,759
236115	New single-family housing construction (except for-sale builders)	(D)	1,636	1,139	103,575	62,535	65,707
236116	New multifamily housing construction (except for-sale builders)	9	167	72	16,591	5,469	(D)
236117	New housing for-sale builders	(D)	709	128	42,186	7,881	(D)
236118	Residential remodelers	406	1,391	1,111	61,491	39,212	15,248
236210	Industrial building construction	(D)	39	23	3,108	2,354	-
236220	Commercial and institutional building construction	(D)	4,751	3,292	414,017	261,586	100,696
237	Heavy and civil engineering construction	(D)	2,441	1,729	205,049	139,361	138,462
237110	Water and sewer line and related structures construction	36	394	268	29,620	19,048	17,120
237120	Oil and gas pipeline and related structures construction	(D)	90	55	5,517	3,130	(D)
237130	Power and communication line and related structures construction	(D)	203	155	14,976	11,714	(D)
237210	Land subdivision	(D)	153	61	12,821	3,620	-
237310	Highway, street, & bridge construction	43	1,327	995	114,864	81,224	104,409
237990	Other heavy and civil engineering construction	(D)	274	195	27,251	20,625	(D)

Continued on next page.

**Table 21.06-- CHARACTERISTICS OF THE CONSTRUCTION INDUSTRY (NAICS 23): 2017 -- Con.**

NAICS code	Kind of business	Establishments	No. of employees		Annual payroll - all employees (\$1,000)	Annual wages - construction workers (\$1,000)	Value of construction work (\$1,000)
			All 1/	Construction workers average 2/			
238	Specialty trade contractors	1,792	20,981	16,462	1,386,402	1,025,220	1,712,000
238110	Pour concrete foundation and structure contractors	52	673	554	38,824	31,395	66,348
238120	Structural steel and precast concrete contractors	25	677	571	48,090	39,000	(D)
238130	Framing contractors	21	500	459	35,845	32,342	64,506
238140	Masonry contractors	67	402	358	18,203	15,369	8,245
238150	Glass and glazing contractors	41	402	233	24,951	14,939	24,444
238160	Roofing contractors	99	1,276	869	62,798	37,539	15,173
238170	Siding contractors	15	89	61	5,048	3,311	(D)
238190	Other foundation, structure & building exterior contractors	17	70	54	3,790	2,841	-
238210	Electrical contractors and other wiring installation contractors	352	4,318	3,489	306,904	233,748	399,054
238220	Plumbing, heating and air-conditioning contractors	376	4,289	3,211	312,832	224,096	523,150
238290	Other building equipment contractors	25	589	417	58,728	43,690	17,434
238310	Drywall and insulation contractors	69	1,489	1,282	96,882	75,327	74,126
238320	Painting and wall covering contractors	151	1,424	1,213	78,794	60,959	84,993
238330	Flooring contractors	73	508	351	21,859	13,516	29,968
238340	Tile and terrazzo contractors	70	568	491	36,410	26,612	110,459
238350	Finish carpentry contractors	111	973	705	56,885	38,831	34,090
238390	Other building finishing contractors	31	272	196	16,156	10,143	7,472
238910	Site preparation contractors	108	1,660	1,352	118,069	90,053	112,501
238990	All other specialty trade contractors	89	802	596	45,334	31,509	47,329

Continued on next page.

**Table 21.06-- CHARACTERISTICS OF THE CONSTRUCTION INDUSTRY (NAICS 23): 2017 -- Con.**

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.

Source: U.S. Census Bureau, 2017 Economic Census, Table EC1723BASIC <<https://data.census.gov/>> accessed October 21, 2020.

**Table 21.07-- PRIVATE RESIDENTIAL UNITS CONSTRUCTION AND DEMOLITION AUTHORIZED BY PERMITS, BY COUNTY: 2017 TO 2022**

Category and year authorized	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui
<b>New single family units</b>						
2017	2,506	864	1,642	764	384	494
2018	2,457	847	1,610	1,038	198	374
2019	1/ 2,293	830	1/ 1,463	1/ 778	171	514
2020	1/ 2,029	748	1/ 1,281	1/ 830	145	306
2021	2,368	839	1,529	953	181	395
2022	1,944	662	1,282	833	157	292
<b>New duplex units</b>						
2017	373	285	88	7	34	47
2018	385	334	51	7	16	28
2019	(NA)	303	(NA)	(NA)	5	8
2020	359	318	41	4	21	16
2021	1/ 321	282	1/ 39	1/ 2	18	19
2022	(NA)	157	(NA)	(NA)	6	54
<b>New apartment units</b>						
2017	1/ 2,146	1,589	1/ 557	1/ 16	137	404
2018	2,002	1,408	594	6	150	438
2019	1,314	1,173	141	6	3	132
2020	769	450	319	112	3	204
2021	3,293	2,704	589	49	14	526
2022	1,912	1,412	500	159	3	338
<b>Units demolished</b>						
2017	406	329	77	40	11	26
2018	(NA)	239	(NA)	754	(NA)	32
2019	373	266	107	41	25	41
2020	322	205	117	69	14	34
2021	248	187	61	33	8	20
2022	320	195	125	63	9	53

NA Not available.

1/ Revised from previous *Data Book*.

Source: City and County of Honolulu, Department of Planning and Permitting, "Calendar Year Bulletin - Building Permits" (annual) <<http://www4.honolulu.gov/docushare/dsweb/View/Collection-10368>> accessed March 15, 2023; and records, County of Hawaii, Department of Public Works, Building Division, Permit information "Permit Listing Reports" (annual databases) <<http://records.co.hawaii.hi.us/Weblink8/1/>> accessed March 15, 2023; and records, County of Kauai, Department of Public Works, Building Division, records; and County of Maui, Development Services Development Services, Document Center (annual) <<https://www.mauicounty.gov/DocumentCenter/Index/140>> accessed March 15, 2023.



**Table 21.08-- REVENUES OF TOP CONTRACTORS: 2019 TO 2022**

[In millions of dollars. Contractors with the highest Hawaii revenues based on 2022 survey responses.  
List represents only those companies that responded to requests for information]

Rank	Contractor	2019	2020	2021	2022
1	Hawaiian Dredging Construction Co. Inc.	514.0	587.0	608.0	573.0
2	Nan Inc.	388.0	415.3	438.8	465.8
3	Nordic PCL Construction Inc.	170.0	215.0	417.0	369.0
4	Hensel Phelps Construction Co.	379.2	429.3	264.0	367.0
5	Albert C. Kobayashi Inc.	163.0	312.0	316.3	309.0
6	Goodfellow Bros. LLC	(1/)	216.7	188.2	288.0
7	Swinerton Builders	158.8	144.0	143.0	219.0
8	Kiewit Infrastructure West Co.	298.5	219.1	183.3	210.4
9	Unlimited Construction Services Inc.	130.8	126.9	121.6	178.1
10	Frank V. Coluccio Construction Co. Inc.	(1/)	(1/)	(1/)	133.7
11	Dorvin D. Leis Co. Inc.	(1/)	(1/)	(1/)	123.7
12	Layton Construction Co. LLC	83.2	81.0	191.3	117.3
13	Moss & Associates	(1/)	(1/)	(1/)	112.1
14	Maryl Group Construction Inc.	74.0	104.0	73.6	107.0
15	Royal Contracting Co. Ltd.	96.8	130.7	136.3	106.4
16	Coastal Constructin Co. Inc.	60.0	60.6	101.2	103.2
17	Wasa Electrical Services Inc.	90.0	93.0	111.0	95.0
18	Allied Builders System	89.7	81.1	60.4	88.1
19	Alaka'i Mechanical Corp.	(1/)	(1/)	(1/)	78.7
20	Isemoto Contracting Co. Ltd.	63.8	52.8	60.3	73.2
21	Armstrong Builders LLC	(1/)	64.3	54.6	55.8
22	Ralph S. Inouye.co.Ltd.	56.1	62.3	67.4	49.5
23	Shioi Construction Inc.	59.0	48.0	57.6	47.0
24	Healy Tibbitts Builders Inc.	39.7	23.2	42.2	41.4
25	Group Builders Inc.	66.0	74.8	67.3	40.7
2/	Alan Shintani Inc.	26.0	35.2	28.3	36.8
2/	S&M Sakamoto Inc.	22.4	21.0	32.5	36.6
2/	Metzler Contracting Co. LLC	49.4	47.0	27.5	36.0
2/	Paradigm Construction LLC	(1/)	(1/)	(1/)	31.0
2/	Mira Image Construction LLC	(1/)	(1/)	(1/)	30.0
2/	Arita Poulson General Contracting LLC	(1/)	(1/)	(1/)	28.0
2/	Constructers Hawaii Inc.	36.5	32.8	20.7	19.3

1/ Not ranked.

2/ Noteworthy contenders and their previous revenues.

Source: *Building Industry*, "Hawaii's Top 25 Contractors 2020" (July 2020) p. 21 <<https://tradedemiahui.com/building-industry-hawaii/>> accessed July 29, 2020; and "Hawaii's Top 25 Contractors 2021" (July 2021) p.23 <<https://tradedemiahui.com/building-industry-hawaii/>> accessed July 7, 2021; and "Hawaii's Top 25 Contractors 2022" (July 2022) p. 33 <<https://tradedemiahui.com/building-industry-hawaii/>> accessed July 6, 2022; and "Hawaii's Top 25 Contractors 2023" (July 2023) p. 21 <<https://tradedemiahui.com/building-industry-hawaii/>> accessed July 10, 2023.

**Table 21.09-- HONOLULU CONSTRUCTION COST INDEXES: 1990 TO 2022**

[January 1992=100. Data are annual averages]

Year	Single-family residence			High-rise building		
	All components	Materials' prices	Labor 1/	All components	Materials' prices	Labor 1/
1990	95.1	96.2	93.9	95.4	98.0	92.9
1991	98.4	99.5	97.2	99.2	101.6	97.1
1992	102.7	103.8	101.4	99.5	97.1	101.5
1993	111.5	116.0	106.2	104.0	100.7	106.8
1994	121.2	129.4	111.7	109.9	107.0	112.5
1995	118.2	119.9	116.1	114.1	110.8	117.1
1996	125.6	129.1	121.3	116.9	110.9	122.1
1997	129.3	132.7	125.3	119.3	111.8	126.0
1998	129.2	131.4	126.5	119.4	111.4	127.4
1999	129.8	(NA)	(NA)	121.1	111.4	131.3
2000	135.2	(NA)	(NA)	126.6	(NA)	(NA)
2001	142.6	(NA)	(NA)	134.1	(NA)	(NA)
2002	149.9	(NA)	(NA)	139.5	(NA)	(NA)
2003	154.7	(NA)	(NA)	143.7	(NA)	(NA)
2004	163.1	(NA)	(NA)	151.6	(NA)	(NA)
2005	175.1	(NA)	(NA)	159.5	(NA)	(NA)
2006	192.4	(NA)	(NA)	174.2	(NA)	(NA)
2007	207.6	(NA)	(NA)	188.0	(NA)	(NA)
2008	219.2	(NA)	(NA)	199.1	(NA)	(NA)
2009	222.3	(NA)	(NA)	202.5	(NA)	(NA)
2010	221.6	(NA)	(NA)	201.9	(NA)	(NA)
2011	226.2	(NA)	(NA)	206.7	(NA)	(NA)
2012	232.2	(NA)	(NA)	213.1	(NA)	(NA)
2013	243.9	(NA)	(NA)	224.0	(NA)	(NA)
2014	260.3	(NA)	(NA)	239.3	(NA)	(NA)
2015	273.6	(NA)	(NA)	250.8	(NA)	(NA)
2016	278.6	(NA)	(NA)	254.4	(NA)	(NA)
2017	281.0	(NA)	(NA)	255.8	(NA)	(NA)
2018	282.1	(NA)	(NA)	257.1	(NA)	(NA)
2019	290.7	(NA)	(NA)	264.2	(NA)	(NA)
2020 2/	297.8	(NA)	(NA)	268.7	(NA)	(NA)
2021 2/	313.0	(NA)	(NA)	281.4	(NA)	(NA)
2022 2/	332.3	(NA)	(NA)	298.7	(NA)	(NA)

NA Not available.

1/ Wages and benefits.

2/ Preliminary.

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 2023* <<http://dbedt.hawaii.gov/economic/qser/>> accessed March 7, 2023; and records.

**Table 21.10-- CONDOMINIUM ASSOCIATIONS REGISTERED WITH THE STATE OF HAWAII AND APARTMENTS REPRESENTED: 1990 TO 2022**

[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	2007	1,565	145,124
1991	809	74,916	2008	1,601	151,238
1992	968	87,127	2009	1,629	153,856
1993	1,049	91,424	2010	1,634	154,625
1994	1,114	95,827	2011	1,670	156,511
1995	1,171	101,628	2012	1,649	156,846
1996	1,249	107,580	2013	1,668	158,294
1997	1,277	106,052	2014	1,591	151,320
1998 1/	1,339	112,832	2015	1,693	160,854
1999	1,361	114,449	2016	1,646	158,865
2000	1,389	116,750	2017	1,709	170,100
2001	1,419	118,209	2018	1,559	154,525
2002	1,439	133,276	2019	1,560	156,532
2003	1,456	134,444	2020	1,500	155,571
2004	1,469	135,708	2021	1,535	157,614
2005	1,501	138,334	2022	1,454	154,234
2006	1,546	142,171			

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) <<https://cca.hawaii.gov/reports/>> accessed May 3, 2023.

**Table 21.11-- CONDOMINIUM PROJECTS REGISTERED WITH THE STATE OF HAWAII: 1994 TO 2022**

[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	2009	347	6,504
1995	255	4,654	2010	272	7,210
1996	188	2,150	2011	250	5,347
1997	201	2,765	2012	210	5,827
1998	226	2,025	2013	234	8,464
1999	211	2,363	2014	261	6,715
2000	225	1,693	2015	253	10,652
2001	210	2,918	2016	277	7,322
2002	201	3,094	2017	232	7,971
2003	301	4,705	2018	251	4,673
2004	411	10,106	2019	359	9,092
2005	469	15,695	2020	255	6,786
2006	543	11,243	2021	244	5,624
2007	459	11,157	2022	235	6,225
2008	417	9,128			

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 February 13, 2023.

**Table 21.12-- NEW CONDOMINIUM PROJECTS, BY TYPE: 2017 TO 2022**

[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. 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]

Type of project	2017	2018	2019	2020	2021	2022
All types	139	141	175	125	133	138
Total residential 1/ Commercial and other Agricultural	116 4 19	110 4 27	108 9 58	74 7 44	102 4 27	92 8 38
New residential projects by size 2/ 2 units or fewer 3 to 15 units 16 to 50 units More than 50 units	116 30 39 15 32	130 33 17 45 35	108 37 35 7 29	70 23 19 10 18	102 43 24 16 19	91 30 26 16 19

NA Not available.

1/ Total residential projects may also reflect projects received that were eventually withdrawn or returned.

2/ Residential projects by size reflect only projects that were described in the developer's public report.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Branch, *2022 Annual Report Real Estate Commission* <<http://cca.hawaii.gov/reb/reports/>> accessed March 17, 2023.

**Table 21.13-- HOUSING UNITS CONVERTED TO CONDOMINIUM UNITS:  
1994 TO 2022**

[Fiscal year ending June 30]

Year	Projects	Individual units	Year	Projects	Individual units
1994	73	491	2009	112	1,592
1995	89	1,060	2010	89	618
1996	74	386	2011	79	575
1997	66	981	2012	64	219
1998	54	665	2013	75	553
1999	73	368	2014	75	633
2000	55	342	2015	71	596
2001	44	454	2016	76	365
2002	58	591	2017	62	332
2003	92	740	2018	91	481
2004	116	1,422	2019	110	1,532
2005	135	2,347	2020	75	386
2006	164	1,177	2021	59	331
2007	157	903	2022	68	456
2008	132	664			

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 February 13, 2023.

**Table 21.14-- TIMESHARE PROPERTIES AND UNITS, BY ISLAND:  
2018 TO 2022**

Subject	State total	Oahu	Hawaii	Kauai	Maui	Molokai	Lanai
2018							
Properties 1/	77	19	17	17	23	1	-
Registered units 2/	11,327	3,659	1,928	2,322	3,411	7	-
Operated units 3/	11,923	3,731	1,823	2,714	3,648	7	-
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 3/	12,090	3,782	1,893	2,753	3,655	7	-
2020							
Properties 1/	86	20	18	20	27	1	-
Registered units 2/	11,478	3,659	1,999	2,371	3,442	7	-
Operated units 3/	12,181	3,819	1,877	2,799	3,679	7	-
2021							
Properties 1/	86	19	19	20	27	1	-
Registered units 2/	11,423	3,659	1,999	2,316	3,442	7	-
Operated units 3/	12,127	3,819	1,878	2,744	3,679	7	-
2022							
Properties 1/	87	21	19	20	26	1	-
Registered units 2/	11,366	3,659	1,999	2,259	3,442	7	-
Operated units 3/	12,069	3,819	1,877	2,687	3,679	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/ 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). In some cases, the number of operating defined as number of salable keys units exceed the number of registered units for a given timeshare property.

Source: Hawaii Tourism Authority, Tourism Research, *Visitor Plant Inventory* (annual)  
<<https://www.hawaiitourismauthority.org/research/visitor-plant-inventory/>> accessed February 13, 2023.

**Table 21.15-- HOME EXEMPTIONS CLAIMED: 2017 TO 2023**

[Fiscal year ending June 30]

Tenure and county	2017	2018	2019	2020	2021	2022	2023
Total owner-occupied							
State total	218,805	220,618	223,713	225,997	228,935	231,895	232,422
Honolulu	142,015	143,280	145,446	146,892	147,910	149,198	149,180
Maui	25,310	25,053	24,726	25,082	25,758	26,563	26,730
Hawaii	38,749	39,432	40,588	40,877	41,908	42,638	43,248
Kauai	12,731	12,853	12,953	13,146	13,359	13,496	13,264
Fee simple							
State total	214,002	215,939	219,188	221,448	224,480	227,508	228,139
Honolulu	138,232	139,607	141,829	143,331	144,470	145,830	145,922
Maui	24,673	24,432	24,122	24,492	25,187	25,975	26,173
Hawaii	38,632	39,331	40,588	40,791	41,828	42,566	43,181
Kauai	12,465	12,569	12,649	12,834	12,995	13,137	12,863
Leasehold							
State total	4,803	4,679	4,525	4,549	4,455	4,387	4,283
Honolulu	3,783	3,673	3,617	3,561	3,440	3,368	3,258
Maui	637	621	604	590	571	588	557
Hawaii	117	101	-	86	80	72	67
Kauai	266	284	304	312	364	359	401

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/state-reports/>> accessed February 14, 2023; and records.



**Table 21.16-- SELECTED HOUSING CHARACTERISTICS, BY COUNTY: 2020**

<b>Subject</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County 1/</b>
Total households	490,267	336,412	73,021	24,712	56,122
Occupied housing units	490,267	336,412	73,021	24,712	56,122
Owner-occupied housing units	288,489	189,406	50,719	15,521	32,843
Renter-occupied housing units	201,778	147,006	22,302	9,191	23,279
Vacant housing units	70,799	34,253	15,670	5,445	15,431
For rent	18,691	11,413	2,400	1,440	3,438
Rented, not occupied	2,686	1,908	289	113	376
For sale only	3,956	2,342	1,022	171	421
Sold, not occupied	2,044	1,171	484	133	256
For seasonal, recreational, or occasional use	28,934	9,385	8,140	2,638	8,771
All other vacants	14,488	8,034	3,335	950	2,169
Homeowner vacancy rate (percent) 2/	1.3	1.2	2.0	1.1	34.6
Rental vacancy rate (percent) 3/	8.4	7.1	9.6	13.4	19.0
Married couple household	240,160	167,750	33,939	12,165	26,306
With own children under 18 4/	85,024	62,235	9,923	3,990	8,876
Cohabiting couple household	34,254	20,781	6,492	2,129	4,852
With own children under 18 4/	11,197	6,443	2,346	799	1,609
Male householder, no spouse or partner present	93,916	64,226	14,495	4,357	10,838
Living alone	58,092	39,974	9,131	2,549	6,438
65 years and over	20,950	13,100	4,192	1,134	2,524
With own children under 18 4/	7,752	4,997	1,243	371	1,141
Female householder, no spouse or partner present	121,937	83,655	18,095	6,061	14,126
Living alone	59,880	40,792	9,239	2,792	7,057
65 years and over	31,823	21,391	5,244	1,601	3,587
With own children under 18 4/	16,628	10,901	2,667	957	2,103
Households with individuals under 18 years	154,533	106,855	21,211	8,342	18,125
Households with individuals 65 years and over	194,142	128,283	32,497	10,893	22,469

Continued on next page.

**Table 21.16-- SELECTED HOUSING CHARACTERISTICS, BY COUNTY:  
2020 -- Con.**

1/ Maui County includes Kalawao County. Kalawao County had 59 housing units, 2 owner-occupied housing unit and 57 renter-occupied housing units.

2/ The homeowner vacancy rate is the proportion of the homeowner inventory that is vacant "for sale." It is computed by dividing the total number of vacant units "for sale only" by the sum of owner-occupied units, vacant units that are "for sale only," and vacant units that have been sold but not yet occupied; and then multiplying by 100.

3/ The rental vacancy rate is the proportion of the rental inventory that is vacant "for rent." It is computed by dividing the total number of vacant units "for rent" by the sum of the renter-occupied units, vacant units that are for rent, and vacant units that have been rented but not yet occupied; and then multiplying by 100.

4/ "Own children" includes biological, adopted, and stepchildren of the householder.

Source: U.S. Census Bureau, *2020 Census Profile of General Population and Housing Characteristics* (May 25, 2023) <[data.census.gov](http://data.census.gov)> accessed May 30, 2023; and calculations by the Hawaii State Department of Business Economic Development & Tourism.

**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS, BY COUNTY: 2017-2021**

[Based on a sample and subject to sampling variability. Average of the 5-year period 2017 to 2021]

Characteristic	State total	City and County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All housing units	556,937	367,126	88,259	87	30,147	71,318
Occupied	478,413	330,393	71,402	31	22,668	53,919
Vacant	78,524	36,733	16,857	56	7,479	17,399
Percent						
Homeowner vacancy rate	1.2	1.0	2.1	(X)	0.9	0.9
Renter vacancy rate	8.3	5.0	6.5	6.1	3.8	29.0
Units in structure						
1 unit, detached	296,348	165,336	68,191	82	20,782	41,957
1 unit, attached	51,312	41,332	3,130	1	1,952	4,897
2 units	12,137	7,663	1,820	-	876	1,778
3 or more units	195,467	152,090	14,603	2	6,416	22,356
Mobile home	1,336	650	293	2	121	270
Boat, RV, van, etc.	337	55	222	-	-	60
Tenure						
Owner-occupied	291,814	193,041	49,822	-	14,515	34,436
Renter-occupied	186,599	137,352	21,580	31	8,153	19,483
Average household size of unit						
Owner-occupied	3.06	3.12	2.74	(X)	3.23	3.15
Renter-occupied	2.77	2.75	2.82	1.23	3.14	2.73
Median number of rooms	4.7	4.6	4.9	2.4	4.9	4.3
Percent						
Structure built 2010 or later	6.3	6.8	5.4	0.0	4.4	5.8
Structure built 2000 to 2009	12.4	9.7	20.9	0.0	12.4	15.5
Structure built 1990 to 1999	13.6	11.8	17.5	9.2	18.9	16.2
Structure built 1940 to 1989	64.4	68.6	52.5	47.1	60.4	58.8
Structure built before 1940	3.3	3.1	3.8	43.7	3.7	3.7
Lacking complete plumbing	0.7	0.5	2.0	0.0	0.4	0.5
Lacking complete kitchen facilities	1.6	1.4	3.0	0.0	1.5	1.4
With no telephone service	1.3	1.2	2.0	16.1	0.9	0.9

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**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS, BY COUNTY:  
2017-2021 -- Con.**

Characteristic	State total	City and County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
Percent householder moved						
Into unit 2010 or later	51.9	52.6	50.5	83.9	46.3	52.1
Into unit 2000 to 2009	19.4	18.4	22.7	16.1	20.0	21.1
Into unit 1990 to 1999	11.3	10.9	11.9	0.0	14.7	11.7
Into unit before 1990	17.3	18.1	14.9	0.0	19.0	15.1
Percent of units with occupants per room of 1.51 or more	3.5	3.7	2.9	(X)	2.4	3.5
Median value (dollars) for owner-occupied units	662,100	726,800	385,900	(X)	632,900	676,800
Selected monthly owner costs						
Housing units with a mortgage	188,593	128,481	28,370	(X)	8,496	23,246
Median (dollars)	2,587	2,787	1,867	(X)	2,390	2,542
Housing units without a mortgage	103,221	64,560	21,452	(X)	6,019	11,190
Median (dollars)	574	648	367	(X)	516	483
Selected monthly owner costs as a percentage of household income (SMOCAPI) 1/						
Housing units with a mortgage 2/	187,758	127,970	28,222	(X)	8,422	23,144
Monthly costs were 35 percent or more of household income	57,789	38,189	8,598	(X)	3,027	7,975
Housing units without a mortgage 2/	101,573	63,764	20,860	(X)	5,845	11,104
Monthly costs were 35 percent or more of household income	10,388	6,885	1,837	(X)	650	1,016
Gross rent						
Occupied units paying rent	175,076	131,126	19,215	12	7,222	17,501
Median(dollars)	1,755	1,870	1,250	1,094	1,525	1,667
Gross rent as a percentage of household income (GRAPI)						
Occupied units paying rent 3/	172,162	128,979	18,819	12	7,142	17,210
Monthly costs were 35 percent or more of household income	78,468	60,294	7,671	1	2,726	7,776

Continued on next page.

**Table 21.17-- SUMMARY HOUSING CHARACTERISTICS, BY COUNTY:  
2017-2021 -- Con.**

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.

2/ Excluding units where SMOCAPI cannot be computed.

3/ Excluding units where GRAPI cannot be computed.

Source: U.S. Census Bureau, 2017-2021 American Community Survey 5-Year Estimates, "DP04 Selected Housing Characteristics" <<https://data.census.gov>> accessed March 21, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.18-- TENURE BY AGE OF HOUSEHOLDER: 2000, 2010, AND 2020**

<b>Subject</b>	<b>April 1, 2000</b>	<b>April 1, 2010</b>	<b>April 1, 2020</b>	<b>Percent change from 2000 to 2020</b>	<b>Percent change from 2010 to 2020</b>
Total housing units	460,542	519,508	561,066	21.8	8.0
Households by age of householder, total	403,240	455,338	490,267	21.6	7.7
Owner-occupied housing units	227,888	262,682	288,489	26.6	9.8
15 to 24 years	1,667	1,892	2,472	48.3	30.7
25 to 34 years	17,239	16,752	17,288	0.3	3.2
35 to 44 years	43,073	36,459	36,154	-16.1	-0.8
45 to 54 years	56,886	57,404	48,376	-15.0	-15.7
55 to 64 years	41,370	66,267	66,861	61.6	0.9
65 years and over	67,653	83,908	117,338	73.4	39.8
65 to 74 years	35,461	42,574	68,452	93.0	60.8
75 to 84 years	25,824	28,781	34,129	32.2	18.6
85 years and over	6,368	12,553	14,757	131.7	17.6
Renter-occupied housing units	175,352	192,656	201,778	15.1	4.7
15 to 24 years	14,657	14,705	12,405	-15.4	-15.6
25 to 34 years	43,668	44,670	41,707	-4.5	-6.6
35 to 44 years	45,181	39,337	41,166	-8.9	4.6
45 to 54 years	32,856	36,589	33,751	2.7	-7.8
55 to 64 years	16,564	28,383	32,334	95.2	13.9
65 years and over	22,426	28,972	40,415	80.2	39.5
65 to 74 years	11,835	14,743	24,582	107.7	66.7
75 to 84 years	8,133	9,620	10,756	32.3	11.8
85 years and over	2,458	4,609	5,077	106.6	10.2

Source: U.S. Census Bureau, 2000 Census Summary File 1 Hawaii (June 13, 2001); 2010 Census Summary File 1 Hawaii (June 16, 2011); and 2020 Census Demographic and Housing Characteristics File (DHC) and 2020 Census Demographic Profile (May 25, 2023) <<https://data.census.gov>> accessed June 21, 2023.

**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)	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 3/	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/ 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](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: 2010 TO 2022**

[Housing unit estimates for July 1, 2010 through July 1, 2019 were created without incorporation or consideration of the 2020 Census results]

Year	State total	Honolulu	Hawaii	Kauai	Maui 1/
2010: April 1 2/	519,513	336,899	82,320	29,797	70,497
July 1	520,088	337,111	82,476	29,917	70,584
2011: July 1	523,213	338,800	83,515	30,072	70,826
2012: July 1	525,678	340,338	84,158	30,178	71,004
2013: July 1	528,391	341,879	84,748	30,292	71,472
2014: July 1	531,962	344,310	85,428	30,435	71,789
2015: July 1	534,723	345,695	86,328	30,610	72,090
2016: July 1	539,758	349,263	87,151	30,796	72,548
2017: July 1	542,814	350,726	88,071	30,945	73,072
2018: July 1	545,951	352,493	88,339	31,234	73,885
2019: July 1	550,287	354,699	89,328	31,583	74,677
2020: April 1 3/	561,065	370,664	88,691	30,157	71,553
July 1 4/	562,004	371,179	88,921	30,198	71,706
2021: July 1 3/ 4/	564,882	372,612	89,743	30,331	72,196
2022: July 1 3/	568,075	373,875	90,672	30,487	73,041
Share of state total					
2020: April 1	100.0	66.1	15.8	5.4	12.8
2021: July 1	100.0	66.0	15.9	5.4	12.8
2022: July 1	100.0	65.8	16.0	5.4	12.9
July 1, 2020 to July 1, 2022					
Numeric change	6,071.0	2,696.0	1,751.0	289.0	1,335.0
Percent change	1.1	0.7	2.0	1.0	1.9
Average annual	0.5	0.3	0.9	0.4	0.8

1/ Maui County including Kalawao County.

2/ 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.

3/ The April 1, 2020 Population Estimate base was used for the April 1 figures. The estimates are based on the 2020 Census and reflect changes to the April 1, 2020 population due to geographic program revisions. The geographic boundaries for the 2022 housing unit estimates are as of January 1, 2022.

4/ Revised from previous *Data Book*.

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, 2020" (May 2021) <<https://www.census.gov/programs-surveys/popest.html>> accessed May 27, 2021; Census Bureau, Population Division "Annual Estimates of County Housing Units for States: 2020 to 2022" (May 2023) <<https://www.census.gov/data/tables/time-series/demo/popest/2020s-total-housing-units.html>> accessed May 18, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 21.21-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:  
2010 AND 2020**

Neighborhood area 1/ (see maps)	2010 2/	2020 3/	Percent change
Oahu total	340,906	370,665	8.7
1 Hawaii Kai	11,462	12,349	7.7
2 Kuliouou-Kalani Iki	5,765	6,442	11.7
3 Waialae-Kahala	4,261	4,347	2.0
4 Kaimuki	7,042	7,384	4.9
5 Diamond Head/Kapahulu/St. Louis Heights	8,285	9,404	13.5
6 Palolo	4,324	4,805	11.1
7 Manoa	7,667	7,688	0.3
8 McCully/Moilili	14,382	14,122	-1.8
9 Waikiki	19,196	18,786	-2.1
10 Makiki/Lower Punchbowl/Tantalus	16,708	16,849	0.8
11 Ala Moana/Kakaako	12,583	17,933	42.5
12 Nuuanu/Punchbowl	6,837	7,205	5.4
13 Downtown/Chinatown	8,208	7,931	-3.4
14 Liliha/Alewa	7,019	7,572	7.9
15 Kalihi-Palama	11,523	12,202	5.9
16 Kalihi Valley	4,186	5,083	21.4
17 Moanalua	3,468	3,693	6.5
18 Aliamanu/Salt Lake/Foster Village	13,208	12,338	-6.6
19 Airport Area	6,492	5,592	-13.9
20 Aiea	10,461	15,881	51.8
21 Pearl City	15,079	12,692	-15.8
22 Waipahu	18,704	21,816	16.6
23 Ewa	18,868	23,154	22.7
24 Waianae Coast	13,333	8,383	-37.1
25 Mililani/Waipio/Melemanu	12,569	11,690	-7.0
26 Wahiawa	12,305	13,170	7.0
27 North Shore	6,677	7,325	9.7
28 Koolauloa	4,532	4,885	7.8
29 Kahaluu	4,620	5,141	11.3
30 Kaneohe	11,474	14,572	27.0
31 Kailua	15,768	16,291	3.3
32 Waimanalo	2,987	2,821	-5.6
33 Mokapu	2,388	2,112	-11.6
34 Makakilo/Kapolei/Honokai Hale	11,254	15,570	38.4
35 Mililani Mauka-Launani Valley	7,271	7,030	-3.3
36 Nanakuli-Maili	(4/)	6,407	(4/)

Continued on next page.

**Table 21.21-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:  
2010 AND 2020 -- 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/ As of April 1. Based on the Census Bureau's 2020 Decennial Census.

4/ Waianae Coast Neighborhood (Board No. 24) was amended on January 28, 2008 to provide for the creation of Nanakuli-Mailii 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](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: 2020**

[Based on the Census Bureau's 2020 Decennial census]

Neighborhood area 1/ (see maps)	Total housing units	Occupied		Home- ownership rate (%)	Vacancy rate (%)	
		Owner	Renter		Owner	Rental
Oahu total	370,665	189,406	147,006	56.3	1.2	7.1
1 Hawaii Kai	12,349	9,039	2,284	79.8	1.9	11.3
2 Kuliouou-Kalani Iki	6,442	4,876	1,041	82.4	1.4	6.9
3 Waialae-Kahala	4,347	2,854	883	76.4	2.6	8.4
4 Kaimuki	7,384	4,205	2,584	61.9	1.1	5.6
5 Diamond Head/Kapahulu	9,404	4,077	4,048	50.2	2.0	7.2
6 Palolo	4,805	2,328	2,129	52.2	0.9	5.2
7 Manoa	7,688	4,112	2,903	58.6	1.4	6.0
8 McCully/Moiliili	14,122	3,890	8,905	30.4	1.5	6.9
9 Waikiki	18,786	4,678	7,275	39.1	4.4	22.1
10 Makiki/Tantalus	16,849	6,162	9,204	40.1	1.4	6.7
11 Ala Moana/Kakaako	17,933	6,980	8,531	45.0	2.3	5.3
12 Nuuanu/Punchbowl	7,205	3,714	2,872	56.4	1.2	5.3
13 Downtown	7,931	2,353	4,899	32.4	2.6	6.2
14 Liliha/Kapalama	7,572	3,807	3,225	54.1	1.4	4.0
15 Kalihi-Palama	12,202	3,108	8,358	27.1	0.5	4.0
16 Kalihi Valley	5,083	2,620	2,187	54.5	0.8	3.7
17 Moanalua	3,693	1,592	1,893	45.7	0.3	5.4
18 Aliamanu/Salt Lake	12,338	6,384	5,347	54.4	0.7	4.6
19 Airport	5,592	75	5,254	1.4	10.7	3.9
20 Aiea	15,881	9,718	5,404	64.3	0.6	4.4
21 Pearl City	12,692	7,796	4,273	64.6	0.5	6.4
22 Waipahu	21,816	13,510	7,497	64.3	0.6	4.2
23 Ewa	23,154	15,569	6,589	70.3	0.8	5.7
24 Waianae Coast	8,383	3,859	3,139	55.1	2.6	10.7
25 Mililani/Waipio/Melemanu	11,690	8,641	2,609	76.8	0.7	5.5
26 Wahiawa	13,170	4,069	7,949	33.9	1.2	5.7
27 North Shore	7,325	2,985	3,261	47.8	1.8	7.0
28 Koolauloa	4,885	2,105	1,719	55.0	2.2	15.9
29 Kahaluu	5,141	3,540	1,315	72.9	0.8	3.6
30 Kaneohe	14,572	9,726	3,963	71.0	0.9	8.1

Continued on next page.

**Table 21.22-- HOUSING CHARACTERISTICS OF OAHU NEIGHBORHOODS:  
2020 -- Con.**

Neighborhood area 1/ (see maps)	Total housing units	Occupied		Home- ownership rate (%)	Vacancy rate (%)	
		Owner	Renter		Owner	Rental
31 Kailua	16,291	10,264	4,642	68.9	1.1	7.1
32 Waimanalo	2,821	1,825	849	68.2	0.7	4.6
33 Mokapu	2,112	23	1,889	1.2	0.0	9.5
34 Makakilo/Kapolei	15,570	9,803	4,512	68.5	0.9	7.5
35 Mililani Mauka/Launani Valley	7,030	5,105	1,685	75.2	0.3	6.5
36 Nanakuli-Maili	6,407	4,014	1,889	68.0	1.7	8.9

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

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 METROPOLITAN STATISTICAL AREA, AND THE UNITED STATES: 2006 TO 2022, AND INSIDE THE 75 LARGEST MSAS: 2022**

Year	Rental vacancy rate		Homeowner vacancy rate		Gross vacancy rate 2/		Year-round vacancy rate 3/		Homeownership rate	
	State	Urban Honolulu MSA 1/	State	Urban Honolulu MSA 1/	State	Urban Honolulu MSA 1/	State	Urban Honolulu MSA 1/	State	Urban Honolulu MSA 1/
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
2020	7.5	5.5	1.3	1.0	15.0	10.0	14.4	9.6	58.8	56.9
2021	7.3	5.1	0.7	0.6	16.2	10.6	15.7	10.1	58.1	55.9
2022	6.9	5.7	1.0	0.6	15.4	10.6	14.9	10.0	59.2	57.7
Year	U.S.	Inside lgst. 75 MSA	U.S.	Inside lgst. 75 MSA	U.S.	Inside lgst. 75 MSA	U.S.	Inside lgst. 75 MSA	U.S.	Inside lgst. 75 MSA
2022	5.8	5.7	0.8	0.8	10.5	9.1	8.2	7.5	65.8	64.3

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.

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: 2022*, Tables 3, 4, 5, 5a, 6, 7, 8, 15, 16, and 23 <<https://www.census.gov/housing/hvs/data/prevann.html>> accessed May 31, 2023.

**Table 21.24-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE FOR THE METROPOLITAN HONOLULU OFFICE MARKET, BY SUBMARKET: 2006 TO 2021**

[The size of the Metropolitan Honolulu Office Market survey varies each year]

Year	Vacancy rate 1/		Survey count 4/
	Downtown 2/	Suburban 3/	
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	8.2	94
2020	13.8	11.9	89
2021	15.3	12.5	85

1/ Vacancy rates include Class A and Class B buildings. Class A buildings are those in excellent locations which have high-quality tenants, high-quality finish, are well-maintained, professionally managed, and are either new or 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.

4/ A total count of all buildings surveyed. Multi-tenant buildings with 20,000 square feet or more.

Source: CBRE Group Inc. "Hawaii Market Outlook 2021 "

<<https://www.cbre.com/en/insights/reports/hawaii-market-outlook-2022>> accessed May 25, 2022 and CBRE Research, records.

**Table 21.25--OFFICE, INDUSTRIAL AND RETAIL COMMERCIAL REAL ESTATE STATISTICS FOR OAHU: 2018 TO 2022**

[As of December 31]

Subject	2018	2019	2020	2021	2022
Office					
Vacancy rate (%) 1/	12.79	9.93	11.58	12.71	12.90
Annual net absorption (sq. ft.) 2/	-1,863	272,429	-132,380	-157,151	-1,461
Average asking base rent (\$) 3/	1.76	1.67	1.70	1.76	1.79
Average operating expense (\$) 4/	1.38	1.41	1.46	1.47	1.49
Industrial					
Vacancy rate (%) 1/	2.03	2.04	3.05	1.60	0.81
Annual net absorption (sq. ft.) 2/	-25,997	-5,368	-426,381	-591,855	324,007
Average asking base rent (\$) 3/	1.21	1.21	1.24	1.27	1.48
Average operating expense (\$) 4/	0.40	0.41	0.45	0.44	0.40
Retail					
Vacancy rate (%) 1/	5.26	5.37	6.41	7.08	5.54
Annual net absorption (sq. ft.) 2/	358,054	-41,717	-107,586	-127,029	268,815
Average asking base rent (\$) 3/	4.14	4.19	3.72	4.25	4.43
Average operating expense (\$) 4/	1.38	1.41	1.46	1.56	1.57

1/ Total available vacant office space divided by the inventory of multitenant office buildings.

2/ The net change in occupied space over the end of the previous time periods.

3/ Per square feet per month. The mean of the base asking rents for available space.

4/ Per square feet per month. Building operating expenses that are passthrough to the tenant.

Source: Colliers International, Office Market Summary Report (Q4 2022), Industrial Market Year-End (Q4 2022) and Retail Market Summary (Q4 2022) <[https://www2.colliers.com/en/Research#sort=%40fdatez32xpublished55910%20'descending&f:location=\[Hawaii\]](https://www2.colliers.com/en/Research#sort=%40fdatez32xpublished55910%20'descending&f:location=[Hawaii])> accessed February 14, 2023.

**Table 21.26-- STATE GOVERNMENT CAPITAL IMPROVEMENT  
PROJECT EXPENDITURES: 1990 TO 2022**

[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
2020	1,645,833	1,069,829	251,614	2,096	141,340	180,955
2021	1,340,417	682,603	314,147	134	131,873	211,660
2022	1,319,011	722,335	257,658	264	86,566	252,187

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 Business, Economic Development & Tourism as cited in DBEDT's *Quarterly Statistical and Economic Report - 1st Quarter 2023* <<http://dbedt.hawaii.gov/economic/qser>> accessed March 17, 2023.



**Table 21.27-- HAWAII PUBLIC HOUSING AUTHORITY OPERATIONS:  
2008 TO 2022**

[Fiscal year ending June 30 unless otherwise specified]

<b>Year</b>	<b>Total units owned and administered 1/</b>	<b>Total units occupied, May 31 2/</b>	<b>Total number of occupants, May 31 2/</b>	<b>Average rent charged per unit per month (dollars) 2/ 3/ 4/</b>
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
2020	6,270	5,314	14,763	394
2021	6,270	5,316	13,765	381
2022	6,270	5,204	13,269	421

1/ Federal low-rent Faircloth limit, 5,406; 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

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]

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Employees 1/</b>
State total	1,650	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	(3/)
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)	(4/)
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	(3/)
Ko Olina	(D)	(D)	(D)	(2/)
Makakilo	7	742	307	5
Mililani Mauka	(D)	(D)	(D)	(4/)

Continued on next page.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR  
(NAICS 531), BY COUNTY AND PLACE: 2017 -- Con.**

<b>Geographic area</b>	<b>Establish- ments (number)</b>	<b>Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Employees 1/</b>
Honolulu County - Con.				
Mililani Town	(D)	(D)	(D)	(4/)
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)	(4/)
Waikele	(D)	(D)	970	(2/)
Waimalu	25	75,688	5,282	93
Waipahu	23	20,519	3,570	92
Waipio	(D)	(D)	(D)	(4/)
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)	(4/)
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

Continued on next page.

**Table 21.29-- CHARACTERISTICS OF THE REAL ESTATE SUBSECTOR  
(NAICS 531), BY COUNTY AND PLACE: 2017 -- Con.**

<b>Geographic area</b>	<b>Establish- ments (number)</b>	<b>Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Employees 1/</b>
Maui County - Con.				
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)	(4/)
Paia	(D)	(D)	(D)	(2/)
Waihee-Waiehu	(D)	(D)	(D)	(2/)
Waikapu	(D)	(D)	(D)	(2/)
Wailea	23	33,684	(D)	(4/)
Wailuku	36	22,327	6,119	120
Balance of Maui County	(D)	(D)	2,621	(4/)

D Withheld to avoid disclosing data for individual companies.

1/ Paid employees, pay period including March 12.

2/ 0 to 19 employees.

3/ 100 to 249 employees.

4/ 20 to 99 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: SEPTEMBER 24, 2022**

[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	15,428	4,961	Total	15,428	4,961
Broker	6,054	738	Oahu	9,085	2,559
Individual	3,600	648	Hawaii	1,985	470
Sole Proprietor	793	9	Maui	2,470	609
Entity	1,661	81	Kauai	880	321
Limited liability corporation/ limited liability partnership	(NA)	(NA)	Molokai	33	7
			Lanai	10	5
			U.S. mainland	730	960
Salesperson	9,374	4,223	Foreign	235	30
			Other	(NA)	(NA)

NA Not available.

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 September 24, 2022*

<<https://cca.hawaii.gov/pvl/reports/>> accessed May 3, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.31-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1988 TO 2022**

[For years 1988 to 2012, data include single family, multi-family, condominium/cooperative, vacant, commercial/industrial, and business opportunities. For 2013 and thereafter, data include only single family and condominium/cooperative listings]

<b>Year</b>	<b>Number listed</b>	<b>Number sold</b>	<b>Percent sold</b>	<b>Mean sales price (dollars)</b>
1988	14,548	9,886	68.0	201,000
1989	13,873	9,757	70.3	238,257
1990	17,097	9,243	54.1	319,500
1991	15,280	5,682	37.2	299,599
1992	13,421	5,509	41.0	292,342
1993	13,124	5,371	40.9	297,149
1994	12,655	5,759	45.5	297,428
1995	12,834	4,060	31.6	307,617
1996	12,147	3,896	32.1	300,494
1997	11,868	4,313	36.3	281,785
1998	11,721	5,351	45.7	269,839
1999	11,173	6,381	57.1	265,009
2000	11,797	7,404	62.8	278,814
2001	12,339	7,953	64.5	265,047
2002	13,967	9,695	69.4	286,594
2003	15,464	11,831	76.5	319,964
2004	17,817	13,110	73.6	388,954
2005	19,268	13,181	68.4	492,835
2006	18,905	10,823	57.2	545,137
2007	17,030	9,484	55.7	557,943
2008	16,060	6,936	43.2	563,993
2009	12,540	6,205	49.5	495,340
2010	13,165	7,187	54.6	537,945
2011	12,070	7,192	59.6	519,690
2012	10,746	7,760	72.2	547,816
2013	11,277	8,231	73.0	559,155
2014	12,134	8,379	69.1	588,544
2015	12,511	8,644	69.1	601,301
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
2020	11,556	8,544	73.9	732,299
2021	12,993	11,729	90.3	825,208
2022	11,636	9,827	84.5	883,234

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: 2017 TO 2022**

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Median	Mean
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
2020					
Total	11,556	8,544	73.9	616,000	732,299
Single family	4,444	3,838	86.4	830,000	1,014,167
Condominium/cooperative	7,112	4,706	66.2	435,000	502,965
2021					
Total	12,993	11,729	90.3	660,000	825,208
Single family	4,817	4,526	94.0	990,000	1,250,113
Condominium/cooperative	8,176	7,203	88.1	475,000	558,067
2022					
Total	11,636	9,827	84.5	700,000	883,234
Single family	4,168	3,474	83.3	1,105,000	1,381,088
Condominium/cooperative	7,468	6,353	85.1	510,000	610,446

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: 2017 TO 2022**

Selling price range	2017	2018	2019	2020	2021	2022
All properties	3,908	3,609	3,750	3,838	4,526	3,474
On leased land	33	29	27	23	27	28
Percent	0.8	0.8	0.7	0.6	0.6	0.8
Less than \$100,000	-	-	2	1	1	-
\$100,000 to \$149,999	3	6	1	1	3	1
\$150,000 to \$199,999	6	4	3	1	3	1
\$200,000 to \$249,999	11	5	4	3	4	4
\$250,000 to \$299,999	21	11	14	11	4	-
\$300,000 to \$349,999	35	31	21	21	10	1
\$350,000 to \$399,999	58	53	34	28	14	4
\$400,000 to \$449,999	73	66	58	52	20	9
\$450,000 to \$499,999	113	86	67	58	34	20
\$500,000 to \$549,999	181	135	140	98	49	18
\$550,000 to \$599,999	288	164	173	148	70	35
\$600,000 to \$649,999	342	280	297	257	103	34
\$650,000 to \$699,999	404	372	422	315	190	70
\$700,000 to \$799,999	699	648	690	728	520	265
\$800,000 to \$899,999	471	474	489	580	681	425
\$900,000 to \$999,999	296	313	384	403	588	490
\$1.0 to \$1.9 million	745	800	799	942	1,763	1,714
\$2.0 to \$2.9 million	104	92	94	111	296	223
\$3.0 to \$3.9 million	34	27	27	37	94	80
\$4.0 to \$4.9 million	11	14	11	20	41	30
\$5.0 million or more	13	28	20	23	38	50
Median value (dollars)	755,000	790,000	789,000	830,000	990,000	1,105,000
Mean value (dollars)	916,506	991,420	953,772	1,014,167	1,250,113	1,381,088

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: 2020 TO 2022**

Selling price range	2020			2021			2022		
	Total	Fee simple	Lease-hold	Total	Fee simple	Lease-hold	Total	Fee simple	Lease-hold
All properties	4,706	4,461	245	7,203	6,788	415	6,353	5,954	399
Less than \$50,000	10	-	10	11	-	11	1	-	1
\$50,000 to \$74,999	26	6	20	41	4	37	18	-	18
\$75,000 to \$99,999	49	11	38	77	18	59	66	6	60
\$100,000 to \$124,999	54	19	35	62	17	45	62	4	58
\$125,000 to \$149,999	45	32	13	68	32	36	39	9	30
\$150,000 to \$174,999	64	36	28	111	69	42	74	35	39
\$175,000 to \$199,999	95	80	15	158	117	41	85	59	26
\$200,000 to \$224,999	141	120	21	166	140	26	107	70	37
\$225,000 to \$249,999	134	120	14	206	189	17	130	107	23
\$250,000 to \$274,999	122	117	5	227	206	21	169	148	21
\$275,000 to \$299,999	181	172	9	252	232	20	214	193	21
\$300,000 to \$349,999	449	432	17	570	554	16	441	411	30
\$350,000 to \$399,999	558	551	7	602	585	17	554	550	4
\$400,000 to \$449,999	559	553	6	705	695	10	545	533	12
\$450,000 to \$499,999	427	426	1	619	614	5	541	537	4
\$500,000 to \$599,999	771	765	6	1,048	1,043	5	961	957	4
\$600,000 to \$699,999	419	419	-	833	829	4	683	677	6
\$700,000 to \$799,999	237	237	-	505	502	3	595	592	3
\$800,000 to \$899,999	111	111	-	273	273	-	335	334	1
\$900,000 to \$999,999	67	67	-	179	179	-	180	180	-
\$1,000,000 or more	187	187	-	490	490	-	553	552	1
Median value (dollars)	435,000	445,000	154,000	475,000	490,000	163,000	510,000	527,000	170,000
Mean value (dollars)	502,965	521,294	178,150	558,067	580,801	188,869	610,446	637,139	202,995

Source: Honolulu Board of Realtors, Multiple Listing Service records.

**Table 21.35-- MULTIPLE LISTING SERVICE, NUMBER OF SINGLE FAMILY AND CONDOMINIUM SALES, BY COUNTY: 2006 TO 2022**

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
Single family					
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	7,935	3,819	2,421	579	1,116
2020	8,187	3,939	2,658	534	1,056
2021	2/ 9,934	2/ 4,610	2/ 3,205	742	1,377
2022	7,679	3,572	2,610	474	1,023
Condominium					
2006	8,875	6,197	750	698	1,230
2007	7,426	5,428	519	295	1,184
2008	5,190	3,862	371	169	788
2009	4,827	3,497	328	161	841
2010	5,736	3,831	521	235	1,149
2011	5,978	3,927	605	289	1,157
2012	6,447	4,284	592	318	1,253
2013	7,203	4,868	645	351	1,339
2014	7,084	4,907	646	327	1,204
2015	7,373	5,147	662	365	1,199
2016	7,978	5,569	725	373	1,311
2017	8,735	5,976	854	451	1,454
2018	8,761	5,795	833	481	1,652
2019	8,322	5,445	860	413	1,604
2020	7,198	4,768	749	340	1,341
2021	2/ 11,391	2/ 7,249	1,175	653	2/ 2,314
2022	9,141	6,403	794	424	1,520

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: 2006 TO 2022**

[In dollars]

Category and year	State total	Oahu 1/	Hawaii	Kauai	Maui
Single family					
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
2020	747,000	830,000	410,500	810,000	795,575
2021	2/ 879,000	995,000	480,000	1,100,000	995,000
2022	950,000	1,100,000	500,000	1,180,000	1,105,000
Condominium					
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	422,000	350,000	461,000	499,857
2019	443,000	425,000	362,000	574,000	515,000
2020	452,000	435,000	395,000	555,000	575,000
2021	510,000	475,000	480,000	612,000	650,000
2022	550,000	510,000	572,500	712,500	775,000

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 2022**

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
2020	18,549	9,518	9,031	717,442	834,534	594,035
2021	25,970	12,048	13,922	849,558	1,053,819	672,793
2022	21,131	9,666	11,465	878,005	1,065,105	720,263

Source: Title Guaranty of Hawaii, Inc. based on Hawaii Department of Natural Resources, Bureau of Conveyances data; and calculations by the Hawaii Department of Business, Economic Development & Tourism. See also DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter 2023*, Table E-9 <<http://dbedt.hawaii.gov/economic/qser>> accessed June 6, 2023.

**Table 21.38-- HOME SALES, BY ORIGIN OF BUYER: 2008 TO 2022**

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
2020	15,081	3,225	243	650,808	994,524	1,175,499
2021	19,696	5,806	468	737,197	1,199,098	1,241,943
2022	15,923	4,735	473	780,848	1,152,955	1,396,278

Source: Title Guaranty of Hawaii, Inc. based on Hawaii Department of Natural Resources, Bureau of Conveyances data; and calculations by the Hawaii Department of Business, Economic Development & Tourism. See also DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter 2023*, Table E-10 <<http://dbedt.hawaii.gov/economic/qser>> accessed June 6, 2023.

**Table 21.39-- HOME SALES, BY ORIGIN OF BUYER, BY COUNTY:  
2021 AND 2022**

<b>Subject</b>	<b>All buyers</b>	<b>Local buyers</b>	<b>Mainland buyers</b>	<b>Foreign buyers</b>
2021				
Total number of home sales				
Statewide	25,970	19,696	5,806	468
Honolulu County	15,741	13,420	1,991	330
Hawaii County	5,724	3,421	2,228	75
Kauai County	1,406	880	518	8
Maui County	3,099	1,975	1,069	55
Average home sale price (dollars) 1/				
Statewide	849,558	737,197	1,199,098	1,241,943
Honolulu County	807,955	779,073	945,487	1,152,692
Hawaii County	685,017	420,565	1,073,909	1,194,881
Kauai County	1,146,798	787,916	1,749,830	1,577,375
Maui County	1,229,938	2/ 978,509	1,665,497	1,792,832
2022				
Total number of home sales				
Statewide	21,131	15,923	4,735	473
Honolulu County	13,467	11,124	1,970	373
Hawaii County	4,688	2,874	1,764	50
Kauai County	871	535	324	12
Maui County	2,105	1,390	677	38
Average home sale price (dollars) 1/				
Statewide	878,005	780,848	1,152,955	1,396,278
Honolulu County	869,977	838,896	982,279	1,203,795
Hawaii County	665,318	433,299	1,010,326	1,829,895
Kauai County	1,302,071	916,197	1,949,351	1,029,044
Maui County	1,227,565	982,804	1,640,098	2,831,073

1/ Calculated by dividing the total sales amount by the total number of sales.

2/ Revised from previous *Data Book*.

Source: Title Guaranty of Hawaii, Inc. based on Hawaii Department of Natural Resources, Bureau of Conveyances data; and calculations by the Hawaii Department of Business, Economic Development & Tourism. See also DBEDT's *Quarterly Statistical and Economic Report - 2nd Quarter 2023*, Table E-9, E-10, and G-29 to G-36 <<http://dbedt.hawaii.gov/economic/qser>> accessed June 16, 2023.

**Table 21.40-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT:  
1993 TO 2021**

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
2020	647	431	74	110	32
2021	575	369	83	85	38

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: 2023**

[As of June 1]

Facility	State total	Oahu	Hawaii	Maui	Molokai	Lanai	Kauai
Total	7,825	5,961	635	884	7	28	310
Elevators							
Hydro (Under 9 stories)	2,220	1,386	301	371	2	9	151
Roped:							
Under 9 stories	2,183	1,551	229	294	-	15	94
9 to 18 stories	1,150	1,025	9	102	-	-	14
19 to 28 stories	406	406	-	-	-	-	-
29 to 38 stories	292	292	-	-	-	-	-
39 stories or more	184	184	-	-	-	-	-
Escalators & moving walks/ speed ramps	540	506	6	24	-	2	2
Inclined lifts	70	46	13	6	2	-	3
Private industrial elevators	79	51	1	13	-	-	14
Manlifts	13	6	3	-	-	1	3
Handicap/chairlifts	471	348	50	46	3	1	23
Dumbwaiters	217	160	23	28	-	-	6

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**

[Data for Oahu updated as of 2023; Hawaii Island data are updated as of 2020; Maui and Kauai counties are updated as of 2023]

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
Oahu 2/	The Central Ala Moana	1391 Kapiolani Blvd	2021	43	435
Kauai	Marriott Resort & Beach Club	Lihue	1959	10	107
Other structures					
Hawaii	AT&T Tower Ninole	Ninole (Homestead Road)	(NA)	(X)	210
Maui	Verizon Tower	Kula	2021	(NA)	151
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

<a href="#">22.01</a>	Statistical Summary of Manufactures (NAICS 31-33): 2016 and 2018 to 2021
<a href="#">22.02</a>	Detailed Manufacturing Statistics (NAICS 31-33): 2017
<a href="#">22.03</a>	Statistical Summary of Manufacturing (NAICS 31-33), by County: 2017
<a href="#">22.04</a>	Manufacturing, by Selected Industry Group (NAICS 31-33): 2021
<a href="#">22.05</a>	Manufacturing Employment and Wages (NAICS 31-33), by Selected NAICS Code: 2022
<a href="#">22.06</a>	General Excise Tax Base for Manufacturing: 1987 to 2022
<a href="#">22.07</a>	25 Largest Industrial and High-Technology Parks, by Island: 2010 to 2013
<a href="#">22.08</a>	Pineapple Companies and Canneries, and Sugar Companies and Mills: 1955 to 2022; and by Island: 2022
<a href="#">22.09</a>	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):  
2016 AND 2018 TO 2021**

[In millions of dollars unless otherwise noted. Includes only establishments of firms with payroll.  
2016 statistics based on the 2012 North American Industry Classification System (NAICS).  
2018 to 2021 statistics based on the 2017 North American Industry Classification System (NAICS)]

Subject	2016	2018	2019	2020 1/	2021
All employees					
Number (1,000)	11.5	11.5	11.1	10.3	10.5
Annual payroll	568.3	561.5	561.1	490.3	514.0
Production workers					
Number (1,000)	7.1	7.9	7.7	6.9	7.1
Annual hours (1,000)	13.8	14.6	14.5	11.7	12.3
Annual wages	311.9	346.6	346.1	297.8	309.5
Value added by manufacture	2,092.8	2,414.0	2,270.6	1,582.2	2,350.7
Cost of materials	3,543.4	4,696.2	4,429.8	3,070.8	3,680.2
Value of shipments	5,686.3	7,019.7	6,628.1	4,821.9	5,798.6
Total capital expenditures	129.6	201.8	331.4	90.9	71.4

1/ Revised from previous *Data Book*.

2/ Aggregate of total cost of materials and total value of shipments includes extensive duplication, since products of some industries are used as materials of others.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics* (annual)  
<<https://data.census.gov/table?q=am1831basic02&g=040XX00US15>> accessed June 16, 2023.

**Table 22.02-- DETAILED MANUFACTURING STATISTICS (NAICS 31-33): 2017**

[Statistics based on the 2017 North American Industry Classification System (NAICS)]

Item	Value
Number of firms	752
All establishments	783
All employees 1/	11,850
Total compensation (\$1,000)	740,856
Annual payroll	558,523
Total fringe benefits	182,333
Employer's cost for health insurance (\$1,000)	69,444
Employer's cost for defined benefit pension plans (\$1,000)	8,462
Employer's cost for defined contribution plans (\$1,000)	18,071
Employer's cost for other fringe benefits (\$1,000)	86,356
Production workers for pay period including March 12	8,171
Production workers for pay period including June 12	8,226
Production workers for pay period including September 12	8,329
Production workers for pay period including December 12	8,353
Production-worker annual hours (1,000)	14,983
Production-worker annual wages (\$1,000)	343,507
Total cost of materials (\$1,000)	4,049,336
Materials, parts, containers, packaging, etc., used	3,101,472
Resales	795,220
Purchased fuels	45,159
Purchased electricity	40,845
Contract work	66,640
Quantity of electricity purchased for heat and power (1,000 kWh)	161,820
Quantity of electricity generated (1,000 kWh)	(D)
Quantity of electricity sold or transferred (1,000 kWh)	(D)
Total value of shipments (\$1,000)	6,055,913
Value added (\$1,000)	2,251,458
Total inventories, beginning of year (\$1,000)	465,744
Finished goods	232,617
Work-in-process	59,330
Materials and supplies	173,797

Continued on next page.

**Table 22.02-- DETAILED MANUFACTURING STATISTICS  
(NAICS 31-33): 2017 -- Con.**

Item	2017
Total inventories, end of year (\$1,000)	832,321
Finished goods	436,420
Work-in-process	100,408
Materials and supplies	295,493
Gross value of depreciable assets (acquisition costs) at beginning of year (\$1,000)	2,786,909
Total capital expenditures (new and used)	136,148
Buildings and other structures	28,934
Machinery and equipment	107,214
Automobiles, trucks, etc., for highway use	7,289
Computers and peripheral data processing equipment	2,112
All other expenditures for machinery and equipment	97,813
Total retirements	23,456
Gross value of depreciable assets at end of year (\$1,000)	2,899,601
Depreciation charges during year (\$1,000)	103,010
Total rental payments (\$1,000)	71,193
Buildings and other structures	50,840
Machinery and equipment	20,353
Total other operating expenses (\$1,000)	336,744
Temporary staff and leased employee expenses	24,150
Expensed computer hardware and other equipment	7,754
Expensed purchases of software	2,043
Data processing and other purchased computer services	(D)
Communication services	(D)
Repair and maintenance services of buildings and / or machinery	76,972
Refuse removal (including hazardous waste) services	12,293
Advertising and promotional services	15,708
Purchased professional and technical services	20,418
Taxes and license fees	38,918
All other operating expenses	130,643

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

1/ Employees on payroll during the pay period including March 12.

Source: 2017 Economic Census: ECNBASIC2017, "Manufacturing: Summary Statistics for the U.S., States, and Selected Geographies: 2017" <<https://data.census.gov/cedsci/table?q=EC1731BASIC%3A%20Manufacturing%3A%20Summary%20Statistics%20for%20the%20U.S.,%20States,%20and%20Selected%20Geographies%3A%202017&g=0400000US15&hidePreview=true&tid=ECNBASIC2017.EC1731BASIC>> accessed June 8, 2021.

**Table 22.03-- STATISTICAL SUMMARY OF MANUFACTURING  
(NAICS 31-33), BY COUNTY: 2017**

[Statistics based on the 2017 North American Industry Classification System (NAICS)]

<b>Subject</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii</b>	<b>Maui</b>	<b>Kauai</b>
All establishments 1/	783	501	110	120	52
All employees					
Number	11,850	9,240	1,433	845	332
Annual payroll (\$1,000)	558,523	439,008	66,728	40,789	11,998
Production workers					
Number 2/	8,171	6,342	1,046	561	222
Annual hours (1,000)	14,983	11,662	1,871	1,122	328
Annual wages (\$1,000)	343,507	270,937	40,508	25,007	7,055
Value added by manufacture (\$1,000)	2,251,458	(NA)	(NA)	(NA)	(NA)
Cost of materials 3/ (\$1,000)	4,049,336	3,663,851	260,153	102,171	23,161
Value of shipments 3/ (\$1,000)	6,055,913	5,325,424	447,348	220,436	62,705
Total capital expenditures (\$1,000)	136,148	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Includes establishments with payroll at any time during the year.

2/ For pay period including March 12.

3/ Aggregate of cost of materials and value of shipments include extensive duplication since products of some industries are used as materials by others.

Source: 2017 Economic Census: ECNBASIC2017, "Manufacturing: Summary Statistics for the U.S., States, and Selected Geographies: 2017" <<https://data.census.gov/cedsci/table?q=EC1731BASIC%3A%20Manufacturing%3A%20Summary%20Statistics%20for%20the%20U.S.,%20States,%20and%20Selected%20Geographies%3A%202017&g=0400000US15&hidePreview=true&tid=ECNBASIC2017.EC1731BASIC>> accessed June 8, 2021.



**Table 22.04-- MANUFACTURING, BY SELECTED INDUSTRY GROUP  
(NAICS 31-33): 2021**

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

<b>Subject</b>	<b>Total</b>	<b>Food NAICS 311</b>	<b>Beverage and tobacco product NAICS 312</b>	<b>Wood product NAICS 321</b>	<b>Non- metallic mineral NAICS 327</b>	<b>Fabricated metal product NAICS 332</b>
All employees						
Number	10,501	3,856	1,257	329	956	380
Annual payroll (\$1,000)	513,976	154,712	60,364	14,231	65,930	26,803
Production workers						
Number 1/	7,141	2,437	925	238	681	247
Annual hours (1,000)	12,322	3,630	1,766	453	1,280	520
Annual wages (\$1,000)	309,471	79,979	40,949	8,583	47,391	13,744
Total cost of materials (\$1,000) 2/	3,680,176	541,350	101,581	76,880	(D)	(D)
Total value of shipments (\$1,000) 2/	5,798,570	1,016,175	299,062	137,145	347,674	113,477
Value added (\$1,000)	2,350,726	477,531	208,206	(D)	(D)	71,982
Capital expenditures	71,434	(D)	11,488	4,595	14,525	5,248

D Withheld to avoid disclosing data for individual companies.

1/ For pay period including March 12.

2/ Aggregate of total cost of materials and total value of shipments includes extensive duplication, since products of some industries are used as materials of others.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics* (annual)  
<<https://data.census.gov/table?q=am1831basic02&g=040XX00US15&n=31-33:N0300.00&tid=ASMAREA2017.AM1831BASIC02&nkd=YEAR~2021>> accessed June 16, 2023.

**Table 22.05-- MANUFACTURING EMPLOYMENT AND WAGES (NAICS 31-33),  
BY SELECTED NAICS CODE: 2022**

[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	1,102	12,476	653,173	52,353
311	Food	392	5,815	227,980	39,203
3112	Grain and oilseed milling	4	33	665	20,101
3113	Sugar & confectionery product	35	581	22,515	38,769
3114	Fruit & vegetable preserving & specialty	24	261	10,531	40,310
3115	Dairy product	19	408	20,182	49,445
3116	Animal slaughtering & processing	24	506	23,064	45,597
3118	Bakeries & tortilla	165	2,139	77,170	36,074
3119	Other food	119	1,848	71,969	38,939
312	Beverage and tobacco product	53	1,251	72,708	58,136
314	Textile product mills	25	149	7,069	47,603
315	Apparel	54	304	11,145	36,641
316	Leather and allied product	9	77	2,534	32,833
3169	Other leather and allied product	5	23	1,079	46,930
3212	Plywood & engineered wood product	6	113	4,744	41,856
321	Wood product	22	196	8,877	45,386
322	Paper	3	83	4,827	58,159
323	Printing & related support activities	107	549	22,374	40,742
325	Chemical	56	409	24,267	59,393
3251	Basic chemical	17	210	14,099	67,193
3254	Pharmaceutical and medicine	8	17	1,801	103,419
3256	Soap, cleaning compound & toiletry	24	109	4,643	42,498
326	Plastics & rubber products	20	264	15,620	59,112
327	Nonmetallic mineral product	45	733	61,623	84,127
3273	Cement & concrete product	22	591	53,547	90,617
3279	Other nonmetallic mineral products	13	80	4,791	59,580
332	Fabricated metal product	44	319	20,741	65,088
3323	Architectural and structural metals	28	195	12,529	64,143
3327	Machine shops products	6	29	1,203	41,718
3328	Coating, engraving & heat treating metals	6	19	951	50,495
333	Machinery	5	39	2,331	59,641
334	Computer & electronic product	17	204	18,480	90,772
3345	Navigational, measuring, electromedical, and control instruments	7	170	15,037	88,714
3346	Reproducing magnetic and optical media	4	3	348	104,328

Continued on next page.

**Table 22.05-- MANUFACTURING EMPLOYMENT AND WAGES (NAICS 31-33),  
BY SELECTED NAICS CODE: 2022 -- Con.**

<b>NAICS code</b>	<b>Industry</b>	<b>Average establishments</b>	<b>Annual average employment</b>	<b>Total annual wages (\$1,000)</b>	<b>Annual wages per employee</b>
336	Transportation equipment	30	610	53,644	87,990
3366	Ship & boat building	22	599	52,485	87,609
337	Furniture & related product	53	329	17,261	52,439
3371	Household and institutional furniture	44	265	13,967	52,641
339	Miscellaneous	155	786	35,865	45,649
3391	Medical equipment & supplies	29	170	8,395	49,385
3399	Other miscellaneous	126	616	27,470	44,618

Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages, "Private, All Industry Aggregations, Hawaii 2022 Annual Averages"  
<[https://data.bls.gov/cew/apps/data\\_views/data\\_views.htm#tab=Tables](https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables)> accessed June 16, 2023.

**Table 22.06-- GENERAL EXCISE TAX BASE FOR MANUFACTURING:  
1987 TO 2022**

[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	1999	585,305	2011	695,442
1988	629,303	2000	586,039	2012	646,969
1989	630,997	2001	611,292	2013	655,222
1990	728,387	2002	612,658	2014	701,988
1991	714,407	2003	638,863	2015	750,372
1992	714,470	2004	642,245	2016	689,126
1993	717,423	2005	738,573	2017	733,105
1994	618,238	2006	781,626	2018	607,793
1995	614,771	2007	766,208	2019	587,979
1996	622,889	2008	795,352	2020	558,052
1997	581,259	2009	752,237	2021	446,034
1998	535,371	2010	708,787	2022	473,407

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual). Beginning in 1997, Full Monthly Tax Reports By Year <[https://tax.hawaii.gov/stats/a5\\_3txcolrpt/](https://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed June 16, 2023.

**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 2022; AND BY ISLAND: 2022**

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
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	-	-	-
2020	2/ 2	-	-	-
2021	2/ 2	-	-	-
2022	2/ 2	-	-	-
ISLAND: 2022				
Hawaii	-	-	-	-
Maui	1	-	-	-
Oahu	1	-	-	-
Kauai	-	-	-	-

1/ In operation; excludes cooperatives.

2/ Includes Dole Food Company Hawaii and Maui Gold Pineapple Company, might exclude smaller diversified farms.

3/ Hawaiian Commercial & Sugar Company closed its sugar operation at the end of 2016.

Source: Pineapple Growers Association of Hawaii, records; *Hawaiian Sugar Manual* (annual); Dole Food Company, records; Hawaii Agriculture Research Center, records; and Hawaiian Commercial & Sugar Company, records.

**Table 22.09-- SUGAR AND MOLASSES PRODUCTION: 1991 TO 2016**

Year	Cane land (acres)		Cane used for sugar (short tons)	Sugar produced (short tons)		Molasses produced (short tons)
	Total area	Harvested area 1/		96° raw value	Equivalent refined	
1991	155,609	67,716	5,852,668	724,100	676,744	202,214
1992	145,790	62,123	5,432,286	652,304	609,643	203,739
1993	121,322	64,705	5,506,072	677,405	633,103	211,658
1994	98,413	64,951	5,268,859	658,538	615,470	200,835
1995	81,957	48,507	3,952,347	492,346	460,147	163,305
1996	68,816	36,769	3,542,460	437,262	408,665	145,369
1997	67,820	32,033	2,923,594	356,917	333,575	131,173
1998	67,585	30,347	2,725,744	353,893	330,748	125,909
1999	60,758	35,329	2,891,499	367,532	343,495	141,481
2000	43,821	30,194	2,364,357	301,165	281,469	101,329
2001	50,410	19,293	1,876,613	246,203	230,101	85,894
2002	47,476	21,311	2,108,810	270,084	252,421	89,885
2003	47,733	19,851	2,029,761	261,009	243,939	89,631
2004	43,465	21,790	1,978,821	257,866	241,002	80,466
2005	40,145	21,735	1,754,581	252,342	235,839	72,675
2006	42,080	20,413	1,614,691	213,185	199,243	65,505
2007	41,762	20,385	1,492,357	206,008	192,535	62,231
2008	39,663	20,426	1,422,296	185,171	173,061	62,278
2009	39,812	20,244	2/ 973,876	176,208	164,684	2/ 40,631
2010	34,693	15,488	1,195,345	171,949	160,704	50,161
2011	35,532	15,063	1,286,373	182,582	169,801	51,106
2012	36,746	15,867	1,259,453	178,549	166,872	49,300
2013	35,556	15,443	1,351,087	191,351	178,837	53,365
2014	35,556	14,193	1,261,235	161,525	172,828	51,615
2015	35,556	12,907	1,146,996	137,556	137,556	45,605
2016 3/	17,500	15,485	1,334,442	157,391	157,391	56,599

1/ The average growth of a crop is 22 to 26 months. Only a portion of the total acreage in cane is harvested each year.

2/ Gay & Robinson data not available.

3/ Hawaiian Commercial & Sugar Company ended its sugar operation at the end of 2016.

Source: Hawaiian Sugar Planters' Association, *Hawaiian Sugar Manual* (annual), and records; Hawaii Agriculture Research Center, records; and Hawaiian Commercial & Sugar Company, records.

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

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

Narrative

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

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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 source of these data is the U.S. Census Bureau's 2017 Economic Census for Retail Trade, Wholesale Trade, and all other industries relating to the services industry. Statistics on the retailing, wholesaling, and services tax bases are available from the Hawaii State Department of Taxation. Many tables are based on data published by the Research and Economic Analysis Division of the Hawaii State Department of Business, Economic Development & Tourism (DBEDT). This includes data on hotel room counts, occupancy and other characteristics and the economic impact of the film industry. Film industry data are created with assistance from DBEDT's Hawaii Film Office. A summary of figures on trade and services in earlier years appears in *Historical Statistics of Hawaii*, Section 20.

**Table 23.01-- GENERAL EXCISE AND USE TAX BASE FOR TRADE AND SERVICE ACTIVITIES: 1990 TO 2022**

[In thousands of dollars. Data are on a cash basis accounting. Income received in December is reported the following January; hence, annual totals refer to an "income year" ended November 30]

Year reported	Retailing	Services 1/	Amusement 2/	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
2020	31,869,197	15,331,585	235,751	910,725	15,803,833
2021	39,187,019	16,901,264	337,629	949,877	20,015,246
2022	46,063,450	19,260,793	535,398	1,248,802	23,992,508

1/ Includes both business and professional services but excludes hotels, theater, amusement, broadcasting, and intermediary services.

2/ 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/](https://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed April 26, 2023.

**Table 23.02-- RETAIL TRADE ESTABLISHMENTS, BY PAYROLL STATUS:  
1972 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]

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>> accessed 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)]

<b>Subject</b>	<b>State total</b>	<b>Oahu</b>	<b>Neighbor islands 1/</b>
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]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	4,644	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.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County - Con.				
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.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County	(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-- RETAIL TRADE (NAICS-44-45) EMPLOYMENT AND WAGES,  
ANNUAL AVERAGES: 2021**

[Statistics based on the 2017 North American Industry Classification System (NAICS)]

NAICS code	Retail trade	Annual establishments	Average employment	Total wages (\$1,000)	Wages per employee (\$)
	Total	4,593	63,004	2,452,617	38,928
441	Motor vehicle and parts dealers	342	6,429	456,569	71,016
442	Furniture and home furnishings stores	169	1,094	56,639	51,764
443	Electronics and appliance stores	109	1,112	72,887	65,561
444	Building material and garden supply stores	183	4,601	179,990	39,119
445	Food and beverage stores	708	15,589	517,258	33,182
446	Health and personal care stores	470	4,930	195,787	39,712
447	Gasoline stations	235	1,954	62,239	31,847
448	Clothing and clothing accessories stores	1,071	7,226	233,898	32,369
451	Sports, hobby, music instrument, book stores	263	2,064	58,372	28,281
452	General merchandise stores	127	13,539	454,647	33,580
453	Miscellaneous store retailers	669	3,840	126,248	32,877
454	Nonstore retailers	248	626	38,084	60,878

Source: U.S. Bureau of Labor Statistics, "2021 Employment and Wages, Annual Averages"  
<[https://data.bls.gov/cew/apps/data\\_views/data\\_views.htm#tab=Tables](https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables)> accessed March 1, 2023.

**Table 23.07-- JOBS, SALES, AND STATE TAXES GENERATED BY MARKET-PLACES, BY CONGRESSIONAL DISTRICT: 2021 AND 2022**

[Marketplaces include all retail trade, food services and drinking places as well as portions of personal, professional, entertainment/recreation, health care and other services as classified by the North American Industry Classification System (NAICS). Components may not sum to totals due to rounding in source]

<b>Year and subject</b>	<b>State of Hawaii</b>	<b>Hawaii C.D. 1</b>	<b>Hawaii C.D. 2</b>
2021 1/			
Marketplaces (number)	275	137	138
Marketplace tenants (number)	6,166	3,510	2,611
Jobs (number)	134,466	76,708	57,077
Share of total jobs (percent)	15.8	(NA)	(NA)
Sales (millions of dollars)	27,400	(NA)	(NA)
Share of GDP (percent)	30.1	(NA)	(NA)
State sales taxes (millions of dollars) 2/	1,100	629	468
Property taxes (millions of dollars)	140	81	53
Construction/redevelopment spending (millions of dollars)	30	(NA)	(NA)
2022			
Marketplaces (number)	275	133	142
Marketplace tenants (number)	6,189	3,447	2,742
Jobs (number)	143,665	80,017	63,648
Share of total jobs (percent)	16.5	(NA)	(NA)
Sales (millions of dollars)	29,500	(NA)	(NA)
Share of GDP (percent)	30.1	(NA)	(NA)
State sales taxes (millions of dollars) 2/	1,200	658	523
Property taxes (millions of dollars)	142	79	63
Construction/redevelopment spending (millions of dollars)	90	(NA)	(NA)

NA Not available.

1/ State data for 2021 were revised by source. However, congressional district data were not.

2/ Sales tax revenue generated by retail real estate properties. Local government sales tax not included.

Source: International Council of Shopping Centers, "Hawaii Impact Card" (annual)

<<https://www.icsc.com/news-and-views/industry-insights/industry-reports>> accessed May 17, 2023.

**Table 23.08-- SHOPPING CENTERS AND GROSS LEASABLE AREA BY CENTER TYPE: 2022 AND 2023**

[Data as of 1st quarter of each year]

Center type	2022		2023	
	Number	Gross leasable area (sq. ft)	Number	Gross leasable area (sq. ft)
Total	276	28,822,063	276	28,736,557
Convenience center	98	1,549,815	98	1,521,079
Neighborhood center 1/	118	8,010,699	118	7,846,241
Community center 2/	34	6,332,927	35	6,455,662
Power center 3/	7	2,273,703	7	2,280,707
Regional mall 4/	9	5,602,481	9	5,591,545
Super regional mall 5/	2	3,920,150	2	3,920,101
Outlet/value center	4	601,846	3	532,889
Lifestyle center	1	164,047	1	164,047
Theme/festival center 6/	3	366,395	3	424,286
Airport retail	-	-	-	-

1/ 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.

2/ 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.

3/ Typically 250,000 to 600,000 square feet with three or more anchor stores which occupy 75-90 percent of the total area. Anchor stores are “category-dominant” home improvement stores, discount department stores, warehouse clubs and off-price stores.

4/ 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.

5/ 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.

6/ 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 and CoStar Realty Information Inc., records.

**Table 23.09-- DUTY-FREE STORE REVENUES: 1985 TO 2022**

[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	2004	168,305,421
1986	270,891,959	2005	189,517,794
1987	369,788,429	2006	174,632,693
1988	445,072,755	2007	147,125,047
1989	451,185,041	2008	130,749,679
1990	413,932,037	2009	116,402,544
1991	378,587,469	2010	119,377,140
1992	421,953,644	2011	152,849,776
1993	397,322,968	2012	199,596,711
1994	413,417,555	2013	201,060,547
1995	419,548,514	2014	166,411,033
1996	425,824,748	2015	135,602,039
1997	355,636,355	2016	105,331,886
1998	271,692,798	2017	100,801,831
1999	192,429,772	2018	108,083,146
2000	229,392,900	2019	105,462,229
2001	215,257,193	2020 1/	78,428,627
2002	149,962,722	2021 1/	10,909
2003	158,854,936	2022 1/	3,168,598

1/ International travel to Hawaii was impacted by the COVID-19 pandemic.

Source: For 1985 to 1994, DFS Hawaii, records; for 1995 to present, Hawaii State Department of Transportation, Airports Division, records.

**Table 23.10-- ALCOHOLIC BEVERAGE SALES, BY TYPE AND COUNTY: 2021**

[Fiscal year ending June 30]

Category	State	Hawaii	Maui	Honolulu	Kauai
All types (thousands of dollars)	658,858	86,214	87,007	453,754	31,883
Distilled spirits	178,440	13,264	15,292	144,544	5,339
Sparkling wine	18,998	1,359	1,656	15,525	458
Still wine	175,406	18,693	20,685	129,938	6,091
Cooler beverage	7,559	1,481	1,173	4,192	712
Beer other than draft	259,425	48,233	44,654	148,375	18,163
Draft beer	19,030	3,183	3,547	11,180	1,119
All types (thousands of wine gallons 1/)	34,638	6,015	5,604	20,816	2,204
Distilled spirits	2,583	262	301	1,928	92
Sparkling wine	281	28	36	207	10
Still wine	3,874	520	513	2,697	143
Cooler beverage	641	128	101	351	61
Beer other than draft	25,662	4,796	4,314	14,750	1,801
Draft beer	1,598	281	338	883	96

1/ A wine gallon is 128 fluid ounces.

Source: Hawaii State Department of Taxation, Tax Research and Planning, "Fiscal Year 2020-2021 Liquor Consumption Report" <<https://files.hawaii.gov/tax/stats/monthly/2021fyr9.pdf>> accessed April 17, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.11-- WHOLESALE TRADE ESTABLISHMENTS AND SALES  
(NAICS 42): 1939 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]

<b>Year</b>	<b>Number</b>	<b>Sales (\$1,000)</b>	<b>Year</b>	<b>Number</b>	<b>Sales (\$1,000)</b>
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 23.12-- CHARACTERISTICS OF WHOLESALE TRADE ESTABLISHMENTS (NAICS 42), BY COUNTY: 2017**

[Includes establishments with payroll. Merchant wholesalers, except manufacturers' sales branches and offices. Statistics based on the 2017 North American Industry Classification System (NAICS)]

<b>Subject</b>	<b>State total</b>	<b>Hawaii County</b>	<b>Honolulu County</b>	<b>Kauai County</b>	<b>Maui County</b>
Number of establishments	1,423	169	1,036	72	146
Sales (\$1,000)	11,342,585	760,672	9,376,439	376,816	828,658
Annual payroll (\$1,000)	858,830	72,805	689,353	32,984	63,688
First quarter payroll (\$1,000)	210,474	17,747	168,331	8,332	16,064
Number of paid employees 1/	16,829	1,696	13,217	562	1,354
Operating expenses (\$1,000)	1,725,910	157,614	1,346,490	84,124	137,682
Inventories (\$1,000)					
Beginning of year	1,118,690	74,665	939,268	41,639	63,118
End of year	1,163,606	79,576	970,453	44,869	68,708

1/ For pay period including March 12.

Source: U.S. Census Bureau, *2017 Economic Census*, "Wholesale Trade: Summary Statistics for the U.S., States, and Selected Geographies: 2017" (EC1742BASIC) <<https://data.census.gov>> accessed May 10, 2022.



**Table 23.13-- 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 23.14-- 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]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Sales (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>	<b>Operating expenses</b>
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

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**Table 23.14-- 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 23.15-- 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]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	3,380	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 23.15-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE: 2017 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County (con.)				
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

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**Table 23.15-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES ESTABLISHMENTS (NAICS 54), BY COUNTY AND SELECTED PLACE: 2017 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County	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 23.16-- 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

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**Table 23.16-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES ESTABLISHMENTS (NAICS 56), BY COUNTY AND SELECTED PLACE: 2017 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County (con.)				
Schofield Barracks	(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)	26,341	(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 23.16-- 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 23.17-- 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]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	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

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**Table 23.17-- 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 23.18-- 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]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	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 23.18-- ARTS, ENTERTAINMENT, AND RECREATION  
ESTABLISHMENTS (NAICS 71), BY COUNTY AND SELECTED PLACE:  
2017 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County	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 23.19-- 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]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
State total	2,912	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 23.19-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)  
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED PLACE:  
2017 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Honolulu County (con.)				
Royal Kunia	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 23.19-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)  
ESTABLISHMENTS (NAICS 81), BY COUNTY AND SELECTED PLACE:  
2017 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Number of employees 1/</b>
Maui County	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 23.20-- 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	Number of 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	Management, scientific & technical	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 23.21-- 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	Number of 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 23.22-- 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	Number of 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 23.23-- 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	Number of 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 23.24-- 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	Number of establishments	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Number of employees 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 organizations	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 23.25-- 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	Number of 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	All other travel arrangement & reservation 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 23.26-- 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]

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1000)</b>	<b>Number of employees 1/</b>
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

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**Table 23.26-- ACCOMMODATION AND FOOD SERVICES ESTABLISHMENTS  
(NAICS 72), BY COUNTY AND SELECTED PLACE: 2017 -- Con.**

<b>Geographic area</b>	<b>Number of establishments</b>	<b>Receipts/ revenue (\$1,000)</b>	<b>Annual payroll (\$1000)</b>	<b>Number of employees 1/</b>
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
Waikele	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
Eleele	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 23.26-- 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 23.27-- 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	Number of 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 23.28-- PRODUCT SALES FOR ACCOMMODATION AND FOOD SERVICES (NAICS 72): 2017**

[Includes establishments with payroll. Statistics based on the 2017 North American Industry Classification System (NAICS) and the 2017 North American Product Classification System (NAPCS). The 2017 NAPCS replaces the products and services codes used in the 2012 Economic Census]

2017 NAPCS Code	Title	Number of establish- ments	Sales (\$1,000)	Sales as % of NAICS 72 industry sales
	Industry total	3,865	12,101,847	100.0
5000125000	Retail sales of baked goods	127	9,123	0.1
5000150000	Retail sales of perishable prepared foods	107	50,632	0.4
5000200000	Retail sales of candy, prepackaged cookies, and snack foods	126	14,299	0.1
5000225000	Retail sales of food dry goods and other foods purchased for future consumption	50	4,319	0.0
5000250000	Retail sales of soft drinks & nonalcoholic bev.	188	5,156	0.0
5000300000	Retail sales of alcoholic beverages	46	4,530	0.0
5000325000	Retail sales of tobacco prod. & smoking accs.	39	4,509	0.0
5000350000	Retail sales of men's clothing	47	898	0.0
5000375000	Retail sales of women's clothing	47	873	0.0
5000860000	Retail sales of household and personal goods, NEC 1/	248	46,640	0.4
5001075000	Retail sales of hunting, fishing, hiking, and camping equipment	14	280	0.0
5002000000	Retail sales of other goods, NEC 1/	124	42,364	0.4
7000025000	Meals, snacks, other food items, & nonalcoholic bev., prepared & served or dispensed, for immediate consumption	3,485	4,452,934	36.8
7000050000	Alcoholic beverages, prepared and served or dispensed for immediate consumption	1,127	884,842	7.3
7000055000	Meals, snacks, other food items, and beverages for immediate consumption, prepared under long-term contract	123	299,069	2.5
7000060000	Meals, snacks, other food items, and beverages prepared for catered events	588	204,547	1.7
7000100000	Access to laundry machines	34	351	0.0
7000275000	Home, apartment, rooming house, and other residential space rental and leasing	25	26,259	0.2
7000760000	Rental and leasing of social events equipment	73	736	0.0

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**Table 23.28-- PRODUCT SALES FOR ACCOMMODATION AND FOOD SERVICES (NAICS 72): 2017 -- Con.**

2017 NAPCS Code	Title	Number of establish- ments	Sales (\$1,000)	Sales as % of NAICS 72 industry sales
7000925000	Rental of home audiovisual equip. (incl. cable program distribution equip.), components, & accs., except computers & peripherals	37	7,567	0.1
7001600000	Admissions to live performing arts perform.	9	6,185	0.1
7001800000	Rental services for recreational, sports, & fitness equipment (incl. boats, motorcycles, other sports vehicles, & musical instruments)	29	21,538	0.2
7001850000	Golf course and country club services	15	53,625	0.4
7002000000	Admissions to dance halls and clubs (including cover charges)	10	816	0.0
7002500000	Leisure, recreational, and athletic instructional programs	3	34	0.0
7002750000	Parking services	82	78,537	0.6
7003825000	Room or unit accommodation for travelers	339	5,188,729	42.9
7003875000	Short-term entertainment access services	24	590	0.0
7004925000	Therapeutic massage services	29	57,046	0.5
7005025000	Hair care services	29	7,249	0.1
7005050000	Nail care services	29	4,524	0.0
7005075000	Skin care services	29	21,733	0.2
7006375000	Rental and leasing of commercial space	56	96,975	0.8
7006425000	Rental of space for meetings, conventions, and similar short-term business uses	28	313	0.0
7006575000	Rental and leasing of nonresidential space in bldgs. or other facs., exc. hosting of coin-operated self-service gambling machines	74	66,122	0.5
7014175000	Short-term access to communications svcs.	65	2,842	0.0
7017275000	Laundry and dry-cleaning agency services	36	5,107	0.0
9000000000	All other products and services, NEC 1/	156	383,659	3.2

1/ NEC Not elsewhere classified.

Source: U.S. Census Bureau, *2017 Economic Census*, "Industry by Products for the U.S. and States: 2017" for NAICS 72, <<https://data.census.gov>> accessed January 12, 2021.

**Table 23.29-- VISITOR ACCOMMODATIONS, BY COUNTY: 1985 TO 2022**

[Number of units]

Year	State total	City & County of Honolulu	Hawaii County	Kauai County	Maui County
1985	65,919	38,600	7,511	5,656	14,152
1986	66,308	39,010	7,280	5,922	14,096
1987	65,318	38,185	7,328	5,956	13,849
1988	69,012	37,841	8,823	7,180	15,168
1989	67,734	36,467	8,161	7,398	15,708
1990	71,266	36,899	8,952	7,546	17,869
1991	72,275	36,623	9,383	7,567	18,702
1992	73,089	36,851	9,170	7,778	19,290
1993	69,502	36,604	9,140	4,631	19,127
1994	70,463	36,194	9,595	5,870	18,804
1995	(NA)	(NA)	(NA)	(NA)	(NA)
1996	70,288	36,146	9,558	6,760	17,824
1997	71,025	35,971	9,913	6,589	18,552
1998	71,480	36,206	9,655	6,969	18,650
1999	71,157	35,861	9,815	6,872	18,609
2000	71,506	36,303	9,774	7,159	18,270
2001	72,204	36,824	9,944	7,202	18,234
2002	70,783	36,457	9,297	7,037	17,992
2003	70,579	35,541	9,478	7,257	18,303
2004	72,176	35,769	9,857	8,105	18,445
2005	72,307	33,926	10,940	8,221	19,220
2006	72,274	33,606	10,831	8,266	19,571
2007	73,220	33,588	11,061	8,692	19,879
2008	74,177	34,081	11,240	9,203	19,653
2009	75,198	34,027	11,541	9,469	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
2020	81,188	38,806	11,123	9,250	22,009
2021	80,555	38,758	10,615	9,160	22,022
2022	81,102	39,160	10,545	9,143	22,254

NA Not available.

Source: Hawaii State Department of Business, Economic Development & Tourism, *2022 Visitor Plant Inventory*, Table 1 <<https://dbedt.hawaii.gov/visitor/visitor-plant>> accessed February 1, 2023.

**Table 23.30-- VISITOR ACCOMMODATIONS, BY TYPE: 2000 TO 2022**

Year	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
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
2020	1,468	1,364	104	81,188	71,317	9,871
2021	1,423	1,324	99	80,555	71,226	9,329
2022	1,411	1,316	95	81,102	71,932	9,170

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 State Department of Business, Economic Development & Tourism, *Visitor Plant Inventory* (annual), Tables 2 and 3 <<https://dbedt.hawaii.gov/visitor/visitor-plant>> accessed February 1, 2023, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.31-- VISITOR ACCOMMODATIONS, BY TYPE AND BY ISLAND: 2022**

Island	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
State total	1,411	1,316	95	81,102	71,932	9,170
Oahu	288	265	23	39,160	35,171	3,989
Waikiki/Honolulu	169	149	20	30,787	28,049	2,738
Rest of Oahu	119	116	3	8,373	7,122	1,251
Other islands	1,123	1,051	72	41,942	36,761	5,181
Hawaii	376	364	12	10,545	10,170	375
Kauai	348	334	14	9,143	7,918	1,225
Maui	370	326	44	21,604	18,103	3,501
Molokai	24	22	2	324	244	80
Lanai	5	5	-	326	326	-

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 State Department of Business, Economic Development & Tourism, *2022 Visitor Plant Inventory*, Tables 2 through 5 <<https://dbedt.hawaii.gov/visitor/visitor-plant>> accessed February 1, 2023, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.32-- VISITOR ACCOMMODATIONS, BY TYPE AND GEOGRAPHIC AREA: 2022**

Type of accommodation	Properties			Units		
	State total	Oahu	Other islands	State total	Oahu	Other islands
All types	1,411	288	1,123	81,102	39,160	41,942
Apartment/hotel	3	2	1	89	50	39
Bed and breakfast	138	16	122	492	43	449
Condominium hotel	95	23	72	9,170	3,989	5,181
Hostels	14	8	6	329	208	121
Hotel	148	73	75	43,213	26,870	16,343
Vacation rental unit	909	140	769	15,382	3,956	11,426
Timeshare	87	21	66	12,028	3,819	8,209
Other	17	5	12	399	225	174

Source: Hawaii State Department of Business, Economic Development & Tourism, *2022 Visitor Plant Inventory*, Tables 2 and 3 <<https://dbedt.hawaii.gov/visitor/visitor-plant>> accessed February 1, 2023, and calculations by Hawaii State Department of Business, Economic Development & Tourism.



**Table 23.33-- VISITOR ACCOMMODATIONS, BY ISLAND, TYPE OF ACCOMMODATION AND PRICE: 2022**

[Reported for units. 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	81,102	1,784	2.2	19,951	24.6	25,304	31.2	34,063	42.0
Island									
Oahu	39,160	666	1.7	11,396	29.1	13,354	34.1	13,784	35.2
Hawaii	10,545	823	7.8	2,320	22.0	2,172	20.6	5,230	49.6
Kauai	9,143	146	1.6	2,213	24.2	2,661	29.1	4,123	45.1
Maui	21,604	151	0.7	3,370	15.6	6,848	31.7	11,234	52.0
Molokai	324	2	0.7	309	95.3	13	4.0	-	0.0
Lanai	326	-	0.0	4	1.2	97	29.7	225	69.1
Type of unit									
Apartment/hotel	89	22	24.2	67	75.8	-	0.0	-	0.0
Bed and breakfast	492	75	15.2	333	67.7	77	15.6	7	1.5
Condominium hotel	9,140	174	1.9	3,181	34.8	5,210	57.0	576	6.3
Hostel	329	237	72.0	88	26.6	5	1.4	-	0.0
Hotel	43,213	519	1.2	9,377	21.7	13,871	32.1	19,446	45.0
Vacation rental unit	15,382	692	4.5	7,276	47.3	4,938	32.1	2,492	16.2
Timeshare	12,028	120	1.0	2,009	16.7	974	8.1	8,913	74.1
Other	399	202	50.7	139	34.8	56	14.0	2	0.5

Source: Hawaii State Department of Business, Economic Development & Tourism, *2022 Visitor Plant Inventory*, Tables 3, 6, and 7 <<https://dbedt.hawaii.gov/visitor/visitor-plant>> accessed February 1, 2023, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.34-- HOTEL UNITS, OCCUPANCY RATES, AVERAGE DAILY ROOM AND GUEST RATES: 2000 TO 2022**

[Includes condominium units in rental pools for transient occupancy]

Year	Hotel units 1/			Percent occupied	Average daily room rate (dollars)	Average guests per room
	State total	Oahu	Other islands			
2000	71,506	36,303	35,203	76.4	140.63	2.08
2001	72,204	36,824	35,380	69.2	144.88	2.05
2002	70,783	36,457	34,326	69.7	140.89	2.12
2003	70,579	35,541	35,038	72.7	144.16	2.09
2004	72,176	35,769	36,407	77.7	152.17	2.13
2005	72,307	33,926	38,381	81.1	166.16	2.15
2006	72,274	33,606	38,668	79.5	187.19	(NA)
2007	73,220	33,588	39,632	75.0	199.96	(NA)
2008	74,177	34,081	40,096	70.5	201.85	(NA)
2009	75,198	34,027	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	80.3	275.75	(NA)
2019	80,554	39,240	41,314	80.8	283.05	(NA)
2020	81,188	38,806	42,382	37.6	266.81	(NA)
2021	80,555	38,758	41,797	2/ 57.5	2/ 330.32	(NA)
2022	81,102	39,160	41,942	73.6	371.21	(NA)

NA Not available.

1/ Units as of May 1.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Visitor Plant Inventory* (annual) <<https://dbedt.hawaii.gov/visitor/visitor-plant>> accessed February 1, 2023; and Hawaii Tourism Authority, December Hawaii Hotel Performance Report (annual) <<https://www.hawaiitourismauthority.org/research/infrastructure-research/>> accessed February 1, 2023.

**Table 23.35-- HOTELS AND OTHER LODGING PLACES (NAICS 721),  
BY COUNTY: 2000 TO 2021**

[Includes establishments with payroll. 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
2018	353	71	123	54	105
2019	353	67	126	57	103
2020	338	62	120	53	103
2021	333	60	118	52	103

Source: U.S. Census Bureau, *County Business Patterns, Hawaii* (annual) <<https://data.census.gov/>> accessed April 27, 2023.

**Table 23.36-- HOTEL ROOM OCCUPANCY, AVERAGE DAILY ROOM RATES, AND REVENUE PER AVAILABLE ROOM, BY GEOGRAPHIC AREA: 2022**

<b>Geographic area</b>	<b>Percent occupied</b>	<b>Average daily room rate (dollars)</b>	<b>Revenue per available room (dollars)</b>
State total	73.6	371.21	273.27
Oahu	75.4	267.77	201.79
Waikiki	75.7	254.13	192.39
Other Oahu	73.4	346.68	254.49
Maui	67.6	606.92	410.12
Wailea	60.4	964.09	582.53
Lahaina-Kaanapali-Kapalua	69.9	534.68	373.64
Other Maui	64.9	697.96	452.78
Hawaii	74.9	700.10	299.71
Kohala Coast	70.8	624.32	441.90
Kauai	77.7	398.08	309.13

Source: Hawaii Tourism Authority, *December 2022 Hawaii Hotel Performance Report* (January 2023)  
 <<https://www.hawaiitourismauthority.org/research/infrastructure-research/>> accessed March 30, 2023

**Table 23.37-- GENERAL EXCISE AND USE TAX BASE FOR RENTALS:  
1990 TO 2022**

[In thousands of dollars. Data are on a cash basis accounting. Income received in December is reported the following January; hence, annual totals refer to an "income year" ended November 30]

Year reported	Total	Hotel rentals	All other rentals 1/
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
2020	10,521,177	2,659,859	7,861,318
2021	12,983,046	4,581,675	8,401,371
2022	17,037,457	7,529,361	9,508,096

1/ 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/](https://tax.hawaii.gov/stats/a5_3txcolrpt/)> accessed May 10, 2022; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 23.38-- 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 23.39-- 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	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 23.40-- QUALIFIED FILM PRODUCTION EXPENDITURES AND REQUESTED TAX CREDIT: 2021**

[In millions of dollars. Based on data collected by the Hawaii Film Office through the Hawaii Production Report (HPR) forms. In 2021, 32 productions qualified and submitted claims for the Motion Picture, Digital Media, and Film Production Income Tax Credit]

Category	Amount
Total qualified production expenditures	305.0
Wages and salaries	178.8
Wages and salaries to Hawaii workers	86.8
Wages and salaries to out-of-state workers	92.0
Spending on goods and services	126.2
Spending on goods and services in Hawaii 1/	121.9
Construction	4.2
Equipment rentals	31.1
Purchase of materials	15.0
Warehouse/storage	2.8
Business/professional service	35.9
Food and beverage catering	7.3
Hotel/accommodation	15.3
Others	10.5
Spending on out-of-state goods and services	4.3
Total tax credit requested	64.1

1/ Components do not sum to total due to rounding in source.

Source: Hawaii Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, *Cost-Benefit and Fiscal Impact Analysis of Hawai‘i’s Film Tax Credit in 2021* (May 2023) <[https://files.hawaii.gov/dbedt/economic/data\\_reports/Film\\_Tax\\_Credit\\_Report\\_2021.pdf](https://files.hawaii.gov/dbedt/economic/data_reports/Film_Tax_Credit_Report_2021.pdf)> accessed June 7, 2023.



**Table 23.41-- ECONOMIC AND FISCAL IMPACTS OF HAWAII FILM TAX CREDIT: 2021**

[Effective for taxable years beginning January 1, 1997, Hawaii enacted tax incentives for motion picture and television film production. Economic and fiscal impacts are shown with and without a redundancy assumption. The redundancy assumption is that a portion of film production expenditure would have occurred even without the tax incentives and thus are subtracted from the calculation of the economic and fiscal impacts. Based on data collected by the Hawaii Film Office through the Hawaii Production Report (HPR) forms. In 2021, 32 productions qualified and submitted claims for the Motion Picture, Digital Media, and Film Production Income Tax Credit]

Impact type and indicator	Without redundancy assumption	With redundancy assumption
Tax credit claimed (millions of dollars)	64.08	64.08
Net benefits and spending (millions of dollars)		
Gross domestic product (GDP)	261.25	161.15
Earnings	160.57	99.98
State spending	31.27	41.33
Per dollar tax credit (dollars)		
Gross domestic product (GDP)	4.08	2.51
Earnings	2.51	1.56
State tax revenues	0.52	0.37

Source: Hawaii Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, *Cost-Benefit and Fiscal Impact Analysis of Hawai'i's Film Tax Credit in 2021* (May 2023) <[https://files.hawaii.gov/dbedt/economic/data\\_reports/Film\\_Tax\\_Credit\\_Report\\_2021.pdf](https://files.hawaii.gov/dbedt/economic/data_reports/Film_Tax_Credit_Report_2021.pdf)> accessed June 7, 2023.

**Table**  
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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: 2000 TO 2022**

[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/
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)
2020	6,129	6,104	1,422	320	(NA)
2021	(NA)	(NA)	(NA)	339	(NA)
2022	(NA)	(NA)	(NA)	703	(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.

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 2000 to 2020, and 2004 to 2020 <[http://www.census.gov/foreign-trade/Press-Release/ft920\\_index.html](http://www.census.gov/foreign-trade/Press-Release/ft920_index.html)> accessed May 3, 2021; *U.S. Merchandise Trade, FT900 Supplement*, December issue 2000 to 2022

<<https://www.census.gov/foreign-trade/data/index.html>> accessed July 11, 2023; 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: 2017 TO 2022**

[In millions of dollars]

Classification	2017	2018	2019	2020	2021	2022
General imports by district of entry						
Customs value 1/	3,848.3	4,446.5	4,437.0	6,129.1	(NA)	(NA)
C.I.F. value 2/	4,100.2	4,655.3	4,672.1	6,322.0	(NA)	(NA)
Gen. imports by district of unlading						
Customs value 1/	7,229.7	7,671.3	6,902.1	7,015.3	(NA)	(NA)
C.I.F. value 2/	7,598.5	7,997.7	7,222.0	7,220.6	(NA)	(NA)
Gen. imports by state of destination						
Commodities	3,814.8	4,526.0	3,784.3	1,934.1	(NA)	(NA)
Manufactured commodities	1,539.4	1,921.1	1,999.3	1,143.7	(NA)	(NA)
Non-manufactured commodities	2,275.4	2,604.9	1,785.0	790.4	(NA)	(NA)
Imports for consumption by district of entry (customs value 1/)	3,270.7	4,162.3	4,057.9	6,104.2	(NA)	(NA)
Duty free value	1,086.6	1,296.3	1,261.6	4,154.3	(NA)	(NA)
Dutiable value	2,184.2	2,866.0	2,796.3	1,949.9	(NA)	(NA)
Exports of domestic & foreign merchandise by dist. of export (F.A.S. value 3/)	11,802.5	11,958.0	3,487.1	1,422.2	(NA)	(NA)
Exports of merchandise by origin of movement 4/	938.0	646.9	446.7	319.6	339.1	703.1
Commodities	875.6	605.2	397.7	271.2	253.1	312.3
Manufactured commodities	750.5	452.2	273.5	134.2	104.4	148.8
Non-manufactured commodities	125.2	153.0	124.2	137.0	148.7	163.5
Re-exports	62.4	41.7	49.0	48.3	85.9	390.8

NA Not available.

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](http://www.census.gov/foreign-trade/Press-Release/ft920_index.html)> accessed May 3, 2021 and *U.S. Merchandise Trade, FT900 Supplement*, December issue (annual) <<https://www.census.gov/foreign-trade/data/index.html>> accessed July 11, 2023; 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: 2007 TO 2020**

[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/					
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
2020	7,015.3	2,079.5	4,731.9	4,796.5	21.6
Exports 3/					
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
2020	1,422.2	168.1	1,120.0	364.2	10.5

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](http://www.census.gov/foreign-trade/Press-Release/ft920_index.html)> accessed May 3, 2021.

**Table 24.04-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS:  
2018 TO 2021**

[In millions of dollars unless otherwise noted]

Subject	2018	2019	2020	2021
<b>State summary</b>				
Merchandise received	1,000-5,000	1,000-5,000	1,000-5,000	1,000-5,000
Exports	500-750	500-750	100-250	100-250
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000	1,000-5,000
Employees (persons)	2,001-2,500	2,501-3,000	2,501-3,000	3,001-4,000
<b>Top foreign-status product, by value (percent)</b>				
Oil/petroleum	100	100	100	100
Petrochemicals 1/	99	99	97	99
Vehicles	1	<1	3	1
Plastic/rubber	<1	<1	<1	<1
Consumer products 2/	<1	<1	<1	<1
Other	<1	<1	(NA)	(NA)
<b>Warehouse/distribution activity</b>				
Number of companies 3/	320	365	356	2
Merchandise received	1,000-5,000	1,000-5,000	500-750	750-1,000
Exports	250-500	250-500	100-250	100-250
Total shipments	1,000-5,000	1,000-5,000	500-750	750-1,000
<b>Production activity - zone/subzone</b>				
<b>Zone 9 Pacific Allied Products, Ltd.</b>				
Merchandise received	1-5	1-5	0.5-1	1-5
Exports	-	-	-	-
Total shipments	1-5	1-5	0.5-1	1-5
<b>Subzone 9A Par Hawaii Refining, L.L.C.</b>				
Merchandise received	1,000-5,000	1,000-5,000	1,000-5,000	1,000-5,000
Exports	75-100	100-250	25-50	25-50
Total shipments	1,000-5,000	1,000-5,000	1,000-5,000	1,000-5,000
<b>Subzone 9E IES Downstream, L.L.C.</b>				
Merchandise received	1,000-5,000	500-750	100-250	750-1,000
Exports	-	-	-	-
Total shipments	1,000-5,000	500-750	100-250	500-750
<b>Subzone 9F Hawaii Gas</b>				
Merchandise received	25-50	25-50	25-50	25-50
Exports	-	-	-	-
Total shipments	10-25	25-50	10-25	10-25

NA Not available.

1/ Other electronics in 2019.

2/ Fragrances/cosmetics in 2019.

3/ 'Number of operators' in 2021.

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 13, 2023.

**Table 24.05-- COMMODITY EXPORTS TOTAL AND TO TOP 25 FOREIGN COUNTRIES: 2018 TO 2022**

[In thousands 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 2022 dollar value]

Rank	Country	2018	2019	2020	2021	2022
	World Total	659,146	460,048	329,133	321,991	433,654
	Top 25	610,008	431,093	310,633	297,648	419,810
1	Japan	71,761	94,204	46,261	57,849	102,475
2	Hong Kong	16,139	13,039	36,653	19,793	77,019
3	Bangladesh	10,644	6,373	39,476	23,643	34,493
4	Korea, South	232,813	76,071	24,593	23,337	28,288
5	China	35,104	21,136	8,193	10,964	25,343
6	India	11,546	19,967	11,135	6,846	24,920
7	Canada	17,971	15,985	16,341	20,380	18,216
8	Australia	13,040	26,466	59,406	26,775	16,009
9	Luxembourg	107	126	100	7	15,984
10	Thailand	4,503	12,022	4,934	5,123	10,057
11	Taiwan	22,397	14,936	14,755	13,276	9,346
12	Vietnam	20,052	33,271	8,241	33,518	8,975
13	Singapore	65,644	49,367	8,282	25,477	7,689
14	Malaysia	60,944	15,887	6,143	5,913	6,643
15	French Polynesia	392	415	833	2,519	6,553
16	Germany	2,434	3,197	3,295	3,177	5,944
17	Indonesia	3,379	4,129	3,790	3,842	5,114
18	Philippines	4,996	6,243	2,767	3,704	3,477
19	United Kingdom	8,937	9,532	6,291	3,852	3,239
20	Marshall Islands	2,040	2,890	1,617	1,429	2,296
21	Mexico	1,127	917	1,913	1,535	2,226
22	United Arab Emirates	236	2,205	3,322	3,463	1,566
23	Chile	163	859	585	409	1,382
24	Argentina	315	40	55	33	1,340
25	France	3,326	1,817	1,654	782	1,214

Source: U.S. Census Bureau, Foreign-Trade Division, UTO Online, State by 6-Digit HS Code U.S. Exports (Origin of Movement) from Hawaii <<https://usatrade.census.gov/>> accessed August 7, 2023.



**Table 24.06-- COMMODITY IMPORTS TOTAL AND FROM TOP 25 FOREIGN COUNTRIES: 2018 TO 2022**

[In thousands of dollars. U.S. Imports by State of Final Destination (State Import Series). Top 25 countries based on 2022 dollar value]

Rank	Country	2018	2019	2020	2021	2022
	Total	4,521,497	3,780,571	1,911,675	2,553,516	2,516,632
	Top 25 foreign countries	3,612,882	2,616,094	1,397,277	1,644,544	2,373,421
1	Korea, South	157,690	545,008	224,301	377,301	678,035
2	Japan	453,401	578,917	291,821	365,141	479,026
3	China	385,901	196,367	142,931	197,942	283,774
4	Russia	387,740	580,034	188,392	186,967	152,474
5	Canada	123,913	101,736	123,079	102,876	113,136
6	Vietnam	95,833	41,401	74,595	54,671	96,612
7	Taiwan	82,085	67,552	59,417	53,940	61,736
8	Indonesia	1,114,886	35,109	39,774	60,868	58,221
9	Spain	6,129	7,863	3,372	6,470	55,809
10	Thailand	56,078	37,719	34,304	42,489	52,712
11	Australia	31,019	17,723	11,381	10,956	40,255
12	Germany	313,081	42,822	20,248	20,894	33,661
13	France	173,997	182,866	13,111	16,017	30,896
14	Mexico	34,446	14,370	8,297	17,025	29,290
15	Italy	51,885	49,864	24,914	24,535	28,268
16	Cambodia	971	1,121	467	2,154	25,274
17	Malaysia	40,443	28,039	40,281	19,197	21,439
18	New Zealand	29,149	27,702	18,900	22,595	20,146
19	Netherlands	18,824	15,181	14,622	16,252	18,899
20	Equatorial Guinea	-	10,608	18,803	9,697	18,438
21	Philippines	21,561	21,885	14,244	16,648	17,552
22	Trinidad and Tobago	14,683	-	6,802	6,896	17,310
23	India	11,423	8,656	18,599	8,191	14,550
24	Oman	-	68	-	159	13,042
25	Chile	7,747	3,480	4,622	4,664	12,866

Source: U.S. Census Bureau, Foreign-Trade Division, UTO Online, State by 6-Digit HS Code Imports <<https://usatrade.census.gov/>> accessed May 8, 2023.

**Table 24.07-- COMMODITY EXPORTS TOTAL AND TO TOP 25 FOREIGN COUNTRIES: 2017 TO 2022**

[In thousands 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 a production basis]

Rank	HS Code	Commodity	2017	2018	2019	2020	2021	2022
		All commodities	952,379	659,146	460,048	329,133	321,991	433,654
		Top 25 commodities based on 2022 value	291,022	343,928	275,474	195,965	218,966	359,045
1	880000	Civilian aircraft, engines & parts	67,855	47,501	56,671	41,442	44,643	115,862
2	720449	Ferrous waste & scrap, NESOI 1/	28,894	46,470	35,010	42,794	53,689	56,687
3	271012	Lt Oils, Preps Gt=70% Petroleum/bitum Nt Biodiesel	73,498	107,969	68,463	-	-	41,767
4	030635	Cold-water shrimp & prawns, live, fresh or chill	18,827	24,345	21,473	22,407	21,545	16,914
5	760200	Aluminum waste and scrap	10,367	12,647	10,512	14,260	11,066	16,186
6	080261	Macadamia nuts, in shell, fresh or dried	9,641	8,951	12,468	4,202	8,142	15,642
7	220190	Waters not sweetened or flavored, NESOI 1/; ice & snow	14,894	13,973	13,702	13,345	12,689	11,544
8	190531	Cookies (sweet biscuits)	409	320	570	200	5,394	11,267
9	740400	Copper waste and scrap	10,303	7,020	6,127	6,628	10,596	8,950
10	180690	Cocoa preparations, not in bulk form, NESOI 1/	10,285	7,441	5,739	3,661	4,000	7,674
11	090111	Coffee, not roasted, not decaffeinated	4,273	4,961	3,853	6,116	6,848	7,470
12	080720	Papayas (papaws), fresh	7,185	6,893	6,043	6,339	6,117	6,083
13	980110	Value of repair/alteration of articles previous imported	3,261	6,460	918	1,412	1,359	5,681
14	090121	Coffee, roasted, not decaffeinated	6,864	5,170	5,218	4,449	4,801	5,657
15	121221	Seaweeds & other algae, fit for human consumption	1,253	631	2,141	3,985	8,065	4,746
16	980320	Exports of military equipment, not identified	3,500	18,935	-	226	185	4,451
17	470710	Waste & scrap, of unbleached kraft paper or paperboard	5,526	6,869	5,301	2,523	5,499	4,303
18	903040	Other instruments, specially designed for telecommunication	6,749	7,893	10,893	9,183	5,231	3,205
19	010641	Bees, live	2,550	2,377	2,377	2,262	2,455	2,614
20	850720	Lead-acid storage batteries, NESOI 1/	5	-	32	15	5	2,501
21	870899	Parts and accessories of motor vehicles, NESOI 1/	98	190	630	1,177	1,421	2,220
22	711319	Jewelry and parts thereof, of other precious metal	3,005	4,428	4,599	6,872	2,204	1,934
23	330190	Concentrates, etc. of essential oils, NESOI 1/	785	652	1,514	2,053	1,090	1,903
24	970390	Orig sculpture, statuary not over age 100 yrs, any material	-	-	-	-	-	1,899
25	470790	Waste, scrap, incl. unsorted, paper, paperbrd, NESOI 1/	994	1,832	1,218	412	1,921	1,884

1/ NESOI Not elsewhere specified or indicated.

Source: U.S. Census Bureau, Foreign-Trade Division, UTO Online, State by 6-Digit HS Code U.S. Exports (Origin of Movement)

<<https://usatrade.census.gov/>> accessed July 14, 2023.

**Table 24.08-- COMMODITY IMPORTS TOTAL AND FROM TOP 25 FOREIGN COUNTRIES: 2018 TO 2022**

[In thousands of dollars. U.S. Imports by State of Final Destination (State Import Series). Rank based on 2022 dollar value]

Rank	HS Code	Commodity	2018	2019	2020	2021	2022
		Total Hawaii imports	4,521,497	3,780,571	1,911,675	2,553,516	2,516,632
		Top 25 commodities	3,585,856	2,953,120	1,288,627	1,805,897	1,620,548
1	271012	Light oils & preparations containing GT = 70% by wt.	-	287,260	146,630	309,360	455,699
2	271019	Petrol oil bitum mineral (nt crude) etc. nt biodiesel	377,944	461,950	179,365	34,023	183,682
3	870323	Pass veh spk-ig int comb rcpr eng; & gt 1500 Nov 3m cc	106,519	143,392	92,738	127,309	154,983
4	270900	Crude oil from petroleum & bituminous minerals	2,300,051	1,571,556	630,489	963,771	152,389
5	850760	Lithium ion batteries	19,659	9,491	7,151	12,233	123,845
6	870324	Pass veh spk-ig int comb rcpr eng & gt; 3000 cc	97,820	92,856	57,762	95,632	107,415
7	271129	Petroleum gases etc., in gaseous state, NESOI 1/	7,279	-	-	43,693	44,875
8	980100	Imports of articles exported & returned, no change	109,769	37,427	15,568	29,302	41,912
9	030487	Skipjack tuna fillets & other meat, fresh chilled or fzn	18,087	30,224	18,831	25,063	34,313
10	870340	Pass veh w/spk-ig & elec motor, not chrgd by plug	17,858	29,844	21,879	28,042	32,185
11	854143	Photovoltaic cells in modules or panels	-	-	-	-	30,909
12	901920	Ozone, oxygen, etc. therapy, respiration apparatus, pt.	-	22	434	35	29,779
13	940340	Wooden kitchen furniture, except seats	18,480	13,260	22,250	25,543	29,474
14	271500	Bitum mix fr nat asph, nat bitum, pet bit, min tar or pt.	5,928	13,048	-	8,808	25,442
15	730890	Structures & parts NESOI of iron or steel 1/	4,739	3,730	2,446	9,331	20,076
16	842121	Water filtering or purifying machinery & apparatus	5,226	2,148	1,138	4,071	19,630
17	880240	Airplane & ot a/c, unladen weight & gt; 15,000 Kg	414,925	161,544	-	-	17,400
18	940161	Seats w/ wooden frames, upholstered, NESOI 1/	12,690	11,484	10,000	16,562	16,252
19	271112	Propane, liquefied	24,476	40,253	28,045	12,594	15,524
20	940350	Wooden bedroom furniture, except seats	7,950	8,335	8,719	9,443	15,522
21	761010	Aluminum doors, windows & their frames , etc.	4,872	2,715	12,985	11,667	15,214
22	030342	Yellowfin tuna except fillets, liver & roes, frozen	202	-	664	5,653	14,923
23	252329	Portland cement except white Portland cement	15,812	17,505	19,770	16,084	14,013
24	392410	Tableware and kitchenware of plastics	2,924	2,586	2,197	6,685	12,634
25	940360	Wooden furniture, NESOI 1/	12,645	12,489	9,564	10,993	12,457

1/ NESOI- Not elsewhere specified or indicated.

Source: U.S. Census Bureau, Foreign-Trade Division, UTO Online, State by 6-Digit HS Code Imports <<https://usatrade.census.gov/>> accessed May 8, 2023

**Table 24.09--FOREIGN AGRICULTURAL EXPORTS FOR HAWAII AND THE UNITED STATES: 2000 TO 2021**

[In millions of dollars. A state's estimated export value for a commodity is determined by its share of the total U.S. farm receipts from sales of that commodity and then summed to derive a total. 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
2000	151.0	51,257.7	2011	363.1	136,425.9
2001	158.0	53,672.7	2012	383.5	141,512.2
2002	152.2	53,138.0	2013	365.2	144,316.9
2003	159.5	59,387.0	2014	366.6	149,952.8
2004	164.1	61,410.9	2015 1/	381.8	133,359.9
2005	185.8	63,175.9	2016 1/	362.5	135,436.3
2006	198.6	70,942.4	2017 1/	369.9	138,276.3
2007	211.3	89,980.4	2018 1/	344.4	140,890.5
2008	257.5	114,746.0	2019 1/	329.2	137,460.0
2009	274.8	98,439.2	2020 1/	307.4	146,819.0
2010	308.3	115,806.3	2021	374.9	173,262.2

1/ Revised from previous *Data Book*.

Source: U.S. Department of Agriculture, Economic Research Service, "U.S. Agricultural Exports, Commodity detail by State [New series]: CY2000-2021" (December 8, 2022) <<https://www.ers.usda.gov/data-products/state-export-data/>> accessed July 11, 2023.

**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

Continued on next page.

**Table 24.10-- FOREIGN AGRICULTURAL EXPORTS, BY COMMODITY GROUP: 1973 TO 2010 -- Con.**

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/
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 lintens, 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: 2015 TO 2021**

[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]

Commodity group	2015	2016	2017	2018	2019	2020	2021
Total agricultural exports 1/	381.8	362.5	369.9	344.4	329.2	307.4	374.9
Total animal products 1/	52.3	51.3	59.7	60.0	59.1	57.1	72.4
Beef and veal	4.8	4.3	4.5	5.7	5.2	4.9	6.6
Pork	0.8	0.5	0.2	0.1	1/ 0.4	0.5	0.4
Hides and skins	1.5	1.0	0.9	0.8	0.5	0.4	0.5
Other livestock products 1/ 2/	41.9	43.2	51.0	49.8	51.3	49.3	62.7
Dairy products	1.5	1.2	1.6	1.5	0.1	0.1	0.2
Other poultry products 3/	1.8	1.0	1.4	2.1	1.6	1.9	1.9
Total plant products 1/	329.6	311.2	310.1	284.4	270.0	250.2	302.5
Vegetables, fresh	0.3	0.3	0.3	0.3	0.0	0.0	0.0
Vegetables, processed	1/ 0.6	1/ 0.7	1/ 0.7	1/ 0.6	0.0	0.0	0.0
Fruits, fresh	4.4	3.6	3.6	1.7	1.5	0.9	2.0
Fruits, processed	4.4	3.4	3.1	1.4	1.3	0.8	1.8
Tree nuts 1/	44.7	39.8	46.4	47.5	47.3	53.4	69.7
Other plant products 1/ 4/	275.1	263.5	256.0	233.0	220.0	195.2	229.0

1/ Revised from previous *Data Book*.

2/ Includes other nonpoultry meats, animal fat, live farm animals, and other animal parts.

3/ Includes turkey meat, eggs, and other fowl products.

4 Includes sweeteners and products, other horticulture products, planting seeds, cocoa, coffee, and other processed foods.

Source: U.S. Department of Agriculture, Economic Research Service, "U.S. Agricultural Exports, State detail by commodity [New series]: CY2000-2021" (December 8, 2022)

<<http://www.ers.usda.gov/data-products/state-export-data/>> accessed July 11, 2023.

**Table 24.12-- INTERNATIONAL STUDENT SPENDING AND ECONOMIC IMPACT: 2017 TO 2021**

[In thousands of dollars and number. For calendar year]

Category	2017	2018	2019	2020	2021
Total direct spending	241,491	216,866	185,027	113,180	105,839
Living expenses	133,688	124,537	92,049	52,435	47,582
Tuition and fees	107,803	92,329	92,977	60,745	58,257
Output multiplier 1/	2.06	2.06	2.06	1.97	1.97
Total output generated	497,471	446,744	381,155	222,965	208,503
Household income multiplier 1/	0.91	0.91	0.91	0.86	0.86
Total income generated	219,756	197,348	168,374	97,335	91,022
State tax multiplier 1/	0.158	0.158	0.158	0.139	0.139
Total state taxes generated	38,156	34,265	29,234	15,732	14,712
Employment multiplier 1/	21.8	21.1	20.3	26.6	25.9
Total jobs generated	5,264	4,576	3,756	3,011	2,741

1/ Multipliers for 2017 to 2019 are based on the DBEDT, Hawaii State Input-Output Study, 2012 Benchmark Report (August 2016) <[http://dbedt.hawaii.gov/economic/reports\\_studies/2012-io](http://dbedt.hawaii.gov/economic/reports_studies/2012-io)> and on the 2017 Benchmark Report (March 2022) <[http://dbedt.hawaii.gov/economic/reports\\_studies/2017-io](http://dbedt.hawaii.gov/economic/reports_studies/2017-io)> for the 2020.

Source: Hawaii State Department of Business, Economic Development & Tourism, 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; The Economic Impact of International Students in Hawaii - Calendar Year 2019 (October 2020) <<http://files.hawaii.gov/dbedt/economic/reports/2019-10-foreign-student.pdf>> accessed July 20, 2020; Economic Impact of International Students in Hawaii - Calendar Year 2020 (December 2021) <<http://files.hawaii.gov/dbedt/economic/reports/2021-12-foreign-student.pdf>> accessed July 3, 2022; Economic Impact of International Students in Hawaii - Calendar Year 2021 (December 2022) <<http://files.hawaii.gov/dbedt/economic/reports/2021-12-foreign-student.pdf>> accessed January 13, 2023; 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: 2020 AND 2021**

[In number, millions of dollars, and percent]

Characteristic	2020		2021	
	Hawaii	U.S.	Hawaii	U.S.
Exports by state of origin of movement 1/				
Value of exports	320	1,424,935	340	1,754,300
Value as percent of total	(2/)	100.0	(2/)	100.0
Known value 3/	4/ 268	4/ 1,276,856	301	1,553,994
Percent of known value	(2/)	100.0	(2/)	100.0
Number of identified exporters	4/ 651	4/ 272,571	688	278,362
Percent of number of identified exporters	4/ 0.2	100.0	0.2	100.0
Percent change from previous year				
Value of exports	-29.5	-13.3	-29.5	-13.3
Known value 3/	4/ -19.8	-13.6	-20.7	-13.6
Number of identified exporters	4/ -13.3	-6.1	-13.8	-6.1
Imports by state of destination 5/				
Value of imports	1,912	2,335,991	2,554	2,831,111
Value as percent of total	0.1	100.0	0.1	100.0
Known value 3/	1,609	2,024,454	2,072	2,440,061
Percent of known value	0.1	100.0	0.1	100.0
Number of identified importers	2,122	221,580	2,151	226,662
Percent of number of identified importers	1.0	100.0	0.9	100.0
Percent change from previous year				
Value of imports	-49.5	-6.5	33.6	21.2
Known value 3/	-52.0	-6.6	28.8	20.5
Number of identified importers	-13.8	-1.4	1.4	2.3

1/ This series provides export statistics based on the U.S. state from which the merchandise starts its journey to the port of export; i.e., the transportation origin. This information is reported by the exporter. See Source "Technical Documentation" for limitations of this data series.

2/ Represents zero or one-half unit of measurement shown.

3/ Defined as portion of total U.S. exports and imports that could be matched to specific companies.

4/ Revised from previous *Data Book*.

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, 2019-2020* <<https://www.census.gov/foreign-trade/data/index.html>> accessed April 20, 2022; Ibid. 2020-2021 (April 5, 2023) <[https://www.census.gov/foreign-trade/Press-Release/profile\\_index.html](https://www.census.gov/foreign-trade/Press-Release/profile_index.html)> accessed July 12, 2023; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.14-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: 2004 TO 2021**

[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	Agricultural acres owned by foreigners	Percent of all privately owned agric. land 3/
Feb. 28, 2004	100	1,986,000	172,186	167,206	8.4
Feb. 28, 2005	103	1,986,000	172,211	167,600	8.4
Feb. 28, 2006	104	1,803,038	172,238	167,627	9.3
Feb. 28, 2007	105	1,803,038	172,619	168,008	9.3
Feb. 29, 2008	106	1,803,038	162,590	157,974	8.8
Feb. 28, 2009	114	1,803,038	163,495	158,874	8.8
Feb. 28, 2010	114	1,803,038	163,495	158,874	8.8
Dec. 31, 2010	115	1,803,038	163,527	158,884	8.8
Dec. 31, 2011	116	1,803,038	163,530	158,887	8.8
Dec. 31, 2012	116	1,803,038	163,530	158,887	8.8
Dec. 31, 2013	115	1,803,038	163,498	158,887	8.8
Dec. 31, 2014	115	1,803,038	163,498	158,877	8.8
Dec. 31, 2015	113	1,803,038	163,139	158,529	8.8
Dec. 31, 2016	115	1,803,038	163,244	158,634	8.8
Dec. 31, 2017	119	1,803,038	163,303	158,692	8.8
Dec. 31, 2018	126	1,803,038	171,105	166,421	9.2
Dec. 31, 2019	127	1,803,038	171,108	166,424	9.2
Dec. 31, 2020	127	1,803,038	171,108	166,424	9.2
Dec. 31, 2021	127	1,803,038	170,556	165,872	9.2

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, 2021 percentage for Hawaii ranked 2nd (rank of 1 assigned to the highest) among the 50 States, exceeded only by Maine at 20.1 percent and well above the national percentage of 3.1 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), *Ibid. Foreign Holdings of U.S. Agricultural Land Through December 31* (annual, 2017 and 2018 as revised) <<http://www.fsa.usda.gov/programs-and-services/economic-and-policy-analysis/afida/index>> accessed January 13, 2023.

**Table 24.15-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS, BY COUNTRY AND BY COUNTY: 2020 AND 2021**

[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. As of December 31]

Subject	State total	Honolulu	Hawaii	Kauai	Maui
2020					
Parcels owned by foreigners	127	10	76	7	34
Use of landholdings of foreign owners	171,108	6,137	95,816	7,927	61,229
Agriculture	166,424	2,955	94,640	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	38,043	1,117	30,668	703	5,555
Non agriculture	4,684	3,182	1,175	41	286
Acres owned by foreigners	171,108	6,137	95,816	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	122,486	6,137	55,465	7,543	53,341
2021					
Parcels owned by foreigners	127	9	76	6	36
Use of landholdings of foreign owners	170,556	5,288	95,816	7,885	61,568
Agriculture	165,872	2,106	94,641	7,844	61,282
Cropland	39,278	989	34,153	133	4,003
Pasture	81,304	-	28,089	2,849	50,365
Forest	7,071	-	1,730	4,201	1,140
Other agriculture	38,219	1,117	30,668	661	5,773
Non agriculture	4,684	3,182	1,175	41	286
Acres owned by foreigners	170,556	5,288	95,816	7,885	61,568
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	121,935	5,288	55,465	7,501	53,680

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 January 13, 2023; 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	16	8	5	54	-	1	233	354
1978	742	17	12	8	57	1	1	246	400
1979	789	17	14	7	65	1	1	256	427
1980	1,020	(D)	(D)	17	52	(D)	2	431	474
1981	1,158	(D)	24	(D)	(D)	1	2	494	501
1982	1,366	21	38	24	80	(D)	1	584	(D)
1983	1,460	22	40	28	253	10	1	558	(D)
1984	1,691	23	73	56	274	3	3	605	653
1985	1,777	26	103	60	281	3	2	584	719
1986	2,013	31	157	61	280	4	1	713	767
1987	3,474	26	129	44	297	3	(D)	991	(D)
1988	4,990	28	201	91	322	3	8	1,739	2,598
1989	8,224	(D)	247	179	340	10	15	2,380	(D)
1990	11,830	(D)	368	189	490	17	15	3,868	(D)
1991	13,921	(D)	386	212	535	82	13	4,069	(D)
1992	15,454	(D)	290	(D)	564	222	17	5,075	8,450
1993	16,030	(D)	296	258	570	300	(D)	4,907	8,970
1994	16,185	(D)	308	257	597	306	18	4,615	(D)
1995	15,972	(D)	319	168	626	(D)	21	4,374	9,255
1996	15,324	(D)	279	181	739	205	(D)	4,167	8,830

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**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 -- Con.**

Year	All countries	Asia & Pacific	Japan	Australia, etc. 1/	Other Asia & Pacific	Canada	Europe	Lat. Amer. & other W. Hem.	Other, subtotal 2/
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

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**Table 24.17-- EMPLOYMENT OF NONBANK AFFILIATES IN HAWAII, BY COUNTRY OF AFFILIATE:  
1977 TO 2006 -- Con.**

Year	All countries	Asia & Pacific	Japan	Australia, etc. 1/	Other Asia & Pacific	Canada	Europe	Lat. Amer. & other W. Hem.	Other, subtotal 2/
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 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

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**Table 24.18-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES, BY INDUSTRY OF AFFILIATE: 1977 TO 2006 -- Con.**

Year	All industries	Petroleum	Manufacturing	Wholesale trade	Retail trade	Finance, nonbank	Insurance	Real estate	Services & other	Services	Other
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. 1996 is 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	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

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**Table 24.19-- EMPLOYMENT OF NONBANK AFFILIATES IN HAWAII, BY INDUSTRY OF AFFILIATE:  
1977 TO 2006 -- Con.**

Year	All industries	Petroleum	Manufacturing	Wholesale trade	Retail trade	Finance, nonbank	Insurance	Real estate	Services & other	Services	Other
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/ Starting with 2002, survey data largely tabulated for majority-owned (50 percent or more foreign direct investor) affiliates.

5/ The Nonbank U.S. Affiliates series ended with 2006. Beginning with 2007, it was replaced by a series that includes both bank and nonbank affiliates.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey* (various years) and <<http://www.bea.gov/international/di1fdiop.htm>> accessed July 4, 2012; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 24.20-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES AND EMPLOYMENT, BY INDUSTRY OF AFFILIATE: 1997 TO 2006**

[Foreign Direct Investment (FDI) by Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or indirectly, by a foreign person. In millions of dollars and thousands of employees]

Subject	All industries 1/	Manufacturing	Wholesale trade	Retail trade	Information	Finance (exc. depository inst) & insur.	Real estate, rental & leasing	Professional, scientific, & technical services	Other industries
FDI									
1997	14,805	228	203	705	146	199	4,049	2	9,274
1998	12,453	336	184	810	178	76	3,312	1	7,555
1999	11,460	284	177	939	238	58	3,228	2	6,534
2000	10,369	245	228	601	337	81	3,053	4	5,821
2001	9,787	245	277	631	259	76	2,909	4	5,386
2002 2/	7,816	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2003 2/	7,579	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2004 2/	6,741	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2005 2/	5,838	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2006 2/ 3/	8,007	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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**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 -- Con.**

Subject	All industries 1/	Manufacturing	Wholesale trade	Retail trade	Information	Finance (exc. depository inst) & insur.	Real estate, rental & leasing	Professional, scientific, & technical services	Other industries
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 2020**

[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	2018	2019	2020
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	39.9	41.8	42.7	41.9
Japan 1/	4,320	16.6	13.2	12.8	12.7	14.2	15.5	16.0	17.3	17.2	17.3	19.4	21.1	21.2	21.5
Canada	18	0.6	0.9	0.9	1.0	0.8	0.8	0.7	1.2	1.4	1.3	1.5	1.4	1.3	1.3
France 1/	680	4.6	4.3	4.5	4.4	5.9	6.0	6.1	6.3	5.7	5.5	5.6	4.3	4.0	3.7
Germany	250	0.9	0.8	0.7	0.7	0.7	0.9	0.9	1.0	0.9	1.0	1.1	1.6	1.7	1.8
Netherlands	(D)	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.3	0.3	0.4	0.1	0.1	0.3	0.2
Switzerland	39	0.8	0.9	1.0	0.9	1.0	1.2	1.0	0.9	0.8	0.4	0.3	0.4	0.4	0.3
United Kingdom	58	2.4	3.0	2.3	2.7	2.5	2.4	2.7	2.7	2.8	2.9	2.9	2.3	2.5	2.2
Other 1/ 2/	(D)	4.9	4.4	4.4	4.3	4.3	6.6	6.8	7.6	7.6	9.0	8.9	10.8	11.2	10.9
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	39.9	41.8	42.7	41.9
Manufacturing	303	2.8	3.4	2.8	3.3	2.8	3.6	3.4	3.3	2.7	2.7	2.9	3.8	3.4	3.2
Wholesale trade 1/	434	2.5	1.9	1.4	1.3	1.3	1.0	1.0	1.1	2.8	3.0	3.3	3.3	3.6	3.5
Retail trade 1/	363	3.2	3.3	4.2	4.3	5.5	5.6	5.9	6.0	3.8	3.9	4.7	6.6	6.5	6.7
Information	150	0.3	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.5	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	3.0	1.0	1.0	0.9
Real estate & rental & leasing	763	1.3	1.2	1.2	1.2	1.1	(3/)	(3/)	1.2	1.2	1.2	1.4	1.5	1.7	1.6
Prof., scientific & tech. services 1/	12	0.2	0.1	0.1	0.1	0.3	0.2	0.4	0.5	0.5	0.6	0.6	0.4	0.4	0.4
Other industries 1/	(D)	17.6	14.5	14.1	13.8	15.6	(4/)	(4/)	21.9	22.4	22.9	23.4	24.8	25.7	25.0

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**Table 24.21-- FOREIGN DIRECT INVESTMENT IN MAJORITY-OWNED AFFILIATES: 2007 TO 2020 -- Con.**

D Withheld to avoid disclosing data for individual companies.

1/ 2018 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), "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; "Employment by State and Country of UBO 2007-2020";

"Employment by State and Industry 2007-2020" <<https://apps.bea.gov/iTable/?ReqID=2&step=1>> accessed July 11, 2023.

**Table 24.22-- FOREIGN DIRECT INVESTMENT IN ALL AFFILIATES:  
2007 TO 2020**

[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	2014	15,896	38.1
2008	(NA)	29.2	2015	10,984	38.3
2009	(NA)	28.1	2016	11,801	39.3
2010	(NA)	28.5	2017	12,287	45.8
2011	(NA)	31.1	2018	13,695	44.9
2012	(NA)	34.6	2019 1/	14,128	44.0
2013	(NA)	35.3	2020	14,728	44.3

NA Not available.

1/ Revised from previous *Data Book*.

Source: U.S. Bureau of Economic Analysis, International Data, Direct Investment & Multinational Enterprises (MNEs), Foreign direct investment in the United States, Data on activities of multinational enterprises <<http://www.bea.gov/iTable/iTable.cfm?ReqID=2&step=1#reqid=2&step=1&isuri=1>> accessed July 11, 2023.



# BIBLIOGRAPHY

This volume is the 55th 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](https://files.hawaii.gov/dbedt/economic/data_reports/Historical-Statistics-of-Hawaii.pdf).

A Statistical abstract has also been published for the County of Maui. The *Maui County Data Book 2020* 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. It may be found online at <https://www.hisbdc.org/business-research-library/maui-county-data-book/>. The Hawaii County Department of Research and Development maintains a data portal with University of Hawaii's Economic Research Organization. It may be found at <https://data.uhero.hawaii.edu/coh/>.

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](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 131<sup>th</sup>, was dated 2012. As of October 1, 2011, the U.S. Census Bureau terminated the collection of data for the Statistical Compendia program which affects the *Statistical Abstract of the United States*, *State and Metropolitan Area Data Book*, and the *County and City Data Book*. Accessing and ordering information for U.S. Census Bureau products may be viewed at the website <https://www.census.gov/>.

**Table A.—EDITION HISTORY OF THE STATE OF HAWAII DATA BOOK:  
1993-94 TO 2022**

[For earlier years, see *Data Book 1996*, p. 632]

Edition	Number of pages 1/	Number of tables	Price (dollars)		Printing costs (dollars)	Number of copies printed
			Hawaii	Outside State		
1993-94	571	639	8.00	2/ 12.00	20,430.00	3,000
1995	629	697	15.00	3/ 19.00	23,000.00	3,000
1996	664	705	15.00	3/ 19.00	27,040.00	3,000
1997	679	711	18.00	4/ 22.00	17,140.00	1,500
1998	718	736	20.00	5/ 24.00	18,244.32	1,250
1999	927	749	(6/)	(6/)	(6/)	(6/)
2000	760	739	20.00	7/ 27.00	19,164.32	1,000
2001	850	744	(8/)	(8/)	(8/)	(8/)
2002	888	778	(8/)	(8/)	(8/)	(8/)
2003	879	744	(8/)	(8/)	(8/)	(8/)
2004	996	796	(8/)	(8/)	(8/)	(8/)
2005	1,004	797	(8/)	(8/)	(8/)	(8/)
2006	786	790	(9/)	(9/)	11,312.00	400
2007	1,031	807	(8/)	(8/)	(8/)	(8/)
2008	1,024	802	(8/)	(8/)	(8/)	(8/)
2009	1,036	800	(8/)	(8/)	(8/)	(8/)
2010	1,036	801	(8/)	(8/)	(8/)	(8/)
2011	1,066	819	(8/)	(8/)	(8/)	(8/)
2012	1,091	833	(8/)	(8/)	(8/)	(8/)
2013	1,113	850	(8/)	(8/)	(8/)	(8/)
2014	1,117	844	(8/)	(8/)	(8/)	(8/)
2015	1,142	864	(8/)	(8/)	(8/)	(8/)
2016	1,159	863	(8/)	(8/)	(8/)	(8/)
2017	1,157	860	(8/)	(8/)	(8/)	(8/)
2018	1,140	850	(8/)	(8/)	(8/)	(8/)
2019	1,126	848	(8/)	(8/)	(8/)	(8/)
2020	1,171	866	(8/)	(8/)	(8/)	(8/)
2021	1,166	850	(8/)	(8/)	(8/)	(8/)
2022	1,156	844	(8/)	(8/)	(8/)	(8/)

1/ Number of print pages for print editions and number of PDF pages for electronic editions.

2/ U.S. Mainland price; \$15.00 for Canada, \$20.00 for Mexico, and \$40.00 for all other countries.

3/ U.S. Mainland price; \$21.00 for Canada, \$28.00 for Mexico, and \$48.00 for all other countries.

4/ U.S. Mainland price; \$25.00 for Canada, \$38.00 for Mexico, and \$51.00 for all other countries.

5/ U.S. Mainland price; \$27.00 for Canada, \$40.00 for Mexico, and \$53.00 for all other countries.

6/ The *State of Hawaii Data Book* was not printed. It is available via CD-ROM.

7/ U.S. Mainland price; \$36.00 for Canada, \$41.00 for Mexico, and \$53.00 for all other countries.

8/ The *State of Hawaii Data Book* was not printed. It is available online.

9/ The 2006 edition was not available for purchase. It is available online.

Source: Hawaii State Department of Business, Economic Development & Tourism records.

# AVAILABILITY OF ELECTRONIC VERSIONS OF THE DATA BOOK TABLES

After a digitization project in 2022, all State of Hawaii *Data Books* are available on the Internet. *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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