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## Section 2

# VITAL STATISTICS AND HEALTH

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

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

**Table 2.01-- BIRTHS AND DEATHS: 2000 TO 2016**

[Place of occurrence basis]

Year	Resident births 1/	Resident deaths 1/	Rates per 1,000 resident population 2/		Rates per 1,000 live births		
			Births	Deaths	To unmarried mothers	Fetal deaths 3/	Infant deaths 4/
2000	17,514	8,163	14.4	6.7	322.7	9.5	7.8
2001	17,043	8,252	13.9	6.7	330.7	11.4	6.2
2002	17,444	8,650	14.1	7.0	337.2	10.2	7.0
2003	18,066	8,850	14.4	7.1	335.3	10.6	7.6
2004	18,238	8,888	14.3	7.0	345.0	8.7	5.5
2005	17,882	8,988	13.8	7.0	362.3	8.1	6.9
2006	18,927	9,290	14.5	7.1	362.4	7.8	5.9
2007	19,085	9,314	14.5	7.1	370.7	10.1	6.3
2008	19,417	9,322	14.6	7.0	380.6	8.4	5.5
2009	18,843	9,676	14.0	7.2	379.8	10.3	6.1
2010	18,910	9,387	13.9	6.9	379.0	8.0	5.8
2011	18,911	9,682	13.7	7.0	375.2	8.6	5.0
2012	18,920	10,062	13.6	7.2	374.9	10.0	4.9
2013	18,926	10,270	13.4	7.3	373.7	5.4	6.6
2014	18,506	10,591	13.1	7.5	373.2	7.2	4.5
2015	18,391	10,903	12.9	7.6	375.2	(NA)	5.8
2016	17,996	10,747	12.6	7.5	375.8	(NA)	6.0

NA Not available.

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

2/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2017. Rates for 2000 and beyond may differ from previous *Data Books* due to revisions to those population figures. Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011.

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

4/ Under 1 year of age.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division "Table 1. Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 2011) <<http://www.census.gov/popest/data/intercensal/state/tables/ST-EST00INT-01.xls>> accessed September 28, 2011, "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2017" (NST-EST2017-01) (December 2017) <<https://www.census.gov/data/tables/2017/demo/popest/state-total.html>> accessed December 20, 2017 and earlier population estimates; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

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

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births 2/						
2012	18,985	-	18,985	3,475	15,510	3,475
2013	18,979	-	18,979	3,613	15,366	3,613
2014	18,582	-	18,582	3,374	15,208	3,374
2015	18,461	-	18,461	3,404	15,057	3,404
2016	18,068	-	18,068	3,360	14,708	3,360
Deaths						
2012	10,363	34	10,329	76	10,253	110
2013	10,576	42	10,534	77	10,457	119
2014	10,885	31	10,854	80	10,774	111
2015	11,215	41	11,174	82	11,092	123
2016	11,057	41	11,016	81	10,935	122
Birth rates 3/						
2012	12.5	0.0	12.9	57.7	11.0	33.6
2013	12.3	0.0	12.7	59.7	10.7	33.9
2014	11.9	0.0	12.3	53.4	10.5	30.6
2015	11.7	0.0	12.1	52.8	10.3	30.2
2016	11.4	0.0	11.8	52.2	10.0	30.0
Death rates 3/						
2012	6.8	0.8	7.0	1.3	7.3	1.1
2013	6.9	0.9	7.0	1.3	7.3	1.1
2014	7.0	0.7	7.2	1.3	7.4	1.0
2015	7.1	0.9	7.3	1.3	7.6	1.1
2016	7.0	0.9	7.2	1.3	7.4	1.1

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

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

3/ Per 1,000 de facto population in each group. Calculations of de facto population are based on July 1 resident population estimates by the U.S. Census Bureau as revised through December 2017.

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

**Table 2.03-- LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 2000 TO 2016**

[Place of residence basis]

Year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rates per 1,000 resident population 1/			
2000	22,240	18.3	17,514	825	3,901
2001	21,764	17.8	17,043	759	3,962
2002	22,172	17.9	17,444	831	3,897
2003	22,509	18.0	18,066	862	3,581
2004	22,564	17.7	18,238	884	3,442
2005	22,303	17.3	17,882	897	3,524
2006	23,219	17.7	18,927	827	3,465
2007	23,731	18.0	19,085	942	3,704
2008	23,750	17.8	19,417	1,102	3,231
2009	23,201	17.2	18,843	1,046	3,312
2010	22,830	16.7	18,910	886	3,034
2011	22,480	16.3	18,911	940	2,629
2012	22,350	16.0	18,920	642	2,788
2013	21,816	15.5	18,926	468	2,422
2014	21,200	15.0	18,506	754	2,109
2015	(NA)	(NA)	18,391	766	(NA)
2016	(NA)	(NA)	17,996	(NA)	(NA)

NA Not available.

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2017. Rates for 2000 and beyond may differ from previous *Data Books* due to revisions to these population figures. Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division "Table 1. Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 2011) <<http://www.census.gov/popest/data/intercensal/state/tables/ST-EST00INT-01.xls>> accessed September 28, 2011 and "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2017" (NST-EST2017-01) (December 2017) <<https://www.census.gov/data/tables/2017/demo/popest/state-total.html>> accessed December 20, 2017; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

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

[Place of occurrence basis]

<b>Event and year</b>	<b>Total</b>	<b>Resident 1/</b>	<b>Nonresident and unknown</b>
<b>Births</b>			
2004	18,296	18,238	58
2005	17,922	17,882	40
2006	18,986	18,927	59
2007	19,153	19,085	68
2008	19,462	19,417	45
2009	18,891	18,843	48
2010	18,948	18,910	38
2011	18,971	18,911	60
2012	18,985	18,920	65
2013	18,979	18,926	53
2014	18,582	18,506	76
2015	18,461	18,391	70
2016	18,068	17,996	72
<b>Deaths</b>			
2004	9,252	8,888	364
2005	9,330	8,988	342
2006	9,622	9,290	332
2007	9,627	9,314	313
2008	9,572	9,322	250
2009	9,947	9,676	271
2010	9,654	9,387	267
2011	9,961	9,682	279
2012	10,363	10,062	301
2013	10,576	10,270	306
2014	10,885	10,591	294
2015	11,215	10,903	312
2016	11,057	10,747	310

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

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

**Table 2.05-- CHARACTERISTICS OF RESIDENT BIRTHS: 2014 TO 2016**

[Place of residence basis]

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

NA Not available.

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

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

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



**Table 2.06-- BIRTH AND FERTILITY RATES FOR HAWAII  
AND THE UNITED STATES: 2013 TO 2016**

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

Type of rate	Hawaii	United States	Rank 1/
2013			
Birth rate 2/	13.5	12.4	11
Fertility rate 3/	71.5	62.5	7
2014			
Birth rate 2/	13.1	12.5	13
Fertility rate 3/	69.3	62.9	11
2015			
Birth rate 2/	12.9	12.4	4/ 14
Fertility rate 3/	68.7	62.5	11
2016			
Birth rate 2/	12.6	12.2	5/ 14
Fertility rate 3/	67.6	62.0	10

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

2/ Per 1,000 estimated population.

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

4/ Tied with 1 other state.

5/ Tied with 4 other states.

Source: U.S. National Center for Health Statistics, National Vital Statistics Reports (NVSR), *Births: Final Data* (annual) <<https://www.cdc.gov/nchs/products/nvsr.htm>> accessed May 3, 2018.

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

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

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

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

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

3/ Based on number reporting.

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

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

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

**Table 2.08-- MOST COMMON FIRST NAMES ON BIRTH CERTIFICATES,  
BY SEX: 2016**

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

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

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

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

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

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

**Table 2.10-- EXPECTATION OF LIFE AT BIRTH FOR BOTH SEXES  
COMBINED, BY RACE, 1910 TO 1990, AND BY SEX AND RACE,  
2000 AND 2010**

[In years]

Year	All races	Caucasian	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	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://hjmp.org/76.01.htm>> accessed January 11, 2017.

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

[Average expectation of life in years]

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

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

Source: U.S. Bureau of the Census, *Historical Statistics of the United States, Colonial Times to 1970*, Part 1 (1975), p. 55; Hawaii State Department of Health, Office of Health Status Monitoring, "Life Tables by Ethnic Group for Hawaii, 1920-1970," R & S Report, No. 26 (June 1979), pp. 8-26; and "Life Expectancy in the State of Hawai'i, 1980 and 1990," R & S Report, No. 63 (August 1996), p. 9; Chai Bin Park, Kathryn L. Braun, Brian Y. Horiuchi, Caryn Tottori, and Alvin T. Onaka, *Longevity Disparities in Multiethnic Hawaii: An Analysis of 2000 Life Tables* (Public Health Reports, Research Articles, Vol. 124, July-August 2009); U.S. Department of Health and Human Services, National Center for Health Statistics, "Average Life Expectancy at Birth by State for 2000 and Ratio of Estimates and Projections of Deaths: 2001 to 2003", Table 2 (April 21, 2005) <<http://www.census.gov/population/projections/MethTab2.xls>> accessed June 6, 2006; and Yanyan Wu PhD., Kathryn Braun DrPH, Alvin T. Onaka PhD, Brian Y. Horiuchi, MPH, Caryn J. Tottori MA, and Lynne Wilkens DrPH, *Life Expectancies in Hawaii: A Multi-Ethnic Analysis of 2010 Life Tables* (Hawaii Journal of Medicine & Public Health, Vol. 76, No. 1, January 2017) <<http://hjmph.org/76.01.htm>> accessed January 11, 2017.

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

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

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

1/ Maui County includes Kalawao County.

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

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

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

[Average of the three years]

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

NA Not available.

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

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

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

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

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



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

[Average of the three years]

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

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

**Table 2.15-- SELECTED LIFE TABLE VALUES: 2014**

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

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

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

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

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

Subject	2014	2015	2016
Number of resident deaths	10,591	10,903	10,747
City and County of Honolulu	7,387	7,504	7,451
Hawaii County	1,559	1,678	1,687
Kauai County	514	564	551
Maui County (incl. Kalawao)	1,131	1,157	1,058
Males per 100 females	112.5	110.3	113.4
Median age (years)	79	79	79
Centenarian deaths: Male	39	38	44
Female	109	134	127
Oldest (age in years): Male	106	104	105
Female	108	108	110
Percent married	37.9	37.2	37.5
Deaths under 1 year	81	105	105
Per 1,000 live births	4.4	5.7	5.8
Fetal deaths 1/	2,863	(NA)	(NA)
Per 1,000 deliveries	135	(NA)	(NA)
Fetal deaths, 20 or more weeks gestation 2/	125	(NA)	(NA)
Per 1,000 live births	6.8	(NA)	(NA)
Standard fetal deaths 3/	754	766	(NA)
Elective abortions	2,109	(NA)	(NA)
Per 1,000 live births	114.0	(NA)	(NA)

NA Not available.

1/ Includes elective abortions.

2/ Includes elective abortions if 20 weeks or more.

3/ Excludes elective abortions.

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

**Table 2.17-- CAUSES OF DEATH, BY SEX: 2016**

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

Causes of death 1/	Both sexes	Males 2/	Females
Total deaths	10,747	5,710	5,037
Malignant neoplasm 3/	2,345	1,271	1,074
Stomach	81	45	36
Colon, rectum and anus	226	110	116
Pancreas	191	95	96
Trachea, bronchus and lung	538	326	212
Breast (female)	137	-	137
Cervix uteri, corpus uteri and ovary	107	-	107
Prostate	117	117	-
Urinary tract	107	69	38
Non-Hodgkin's lymphoma	80	43	37
Leukemia	81	46	35
Other malignant neoplasms	680	420	260
Diabetes mellitus	280	149	131
Alzheimer's disease	440	144	296
Diseases of the heart	2,435	1,368	1,067
Hypertensive heart disease	182	118	64
Ischemic heart disease	1,203	765	438
Other forms of heart disease	1,050	485	565
Hypertension	114	47	67
Cerebrovascular disease	662	277	385
Other circulatory system diseases (including atherosclerosis)	90	45	45
Influenza/pneumonia	505	260	245
Chronic lower respiratory diseases	334	190	144
Peptic ulcer	22	11	11
Chronic liver disease and cirrhosis	119	79	40
Nephritis and nephrosis	212	97	115
Pregnancy, Childbirth and Puerperium	5	-	5
Perinatal conditions	57	29	28
Congenital anomalies	24	14	10
Symptoms and ill-defined conditions (inc. sudden infant death syndrome)	246	135	111
Other diseases 4/	2,067	1,042	1,025
Motor vehicle accidents	124	81	43
All other and unspecified accidents and adverse effects	435	287	148
Intentional self-harm (suicide)	171	143	28
Assault	36	24	12
All other external causes	24	17	7

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

2/ Unknown sex classified as male.

3/ Commonly known as cancer.

4/ Includes Tuberculosis and HIV Disease.

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

**Table 2.18-- GREATEST CATASTROPHIC MORTALITY OF RECORD,  
BY TYPE OF DISASTER: 1778 TO 2018**

[Complete through June 1, 2018]

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

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

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

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

**Table 2.19-- CATASTROPHIC MORTALITY: 1994 TO 2018**

[Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through June 1, 2018]

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

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

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

**Table 2.20-- DEATHS BY METHOD OF DISPOSITION:  
1980 TO 2016**

[Place of occurrence basis]

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

1/ Includes entombment.

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

**Table 2.21-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTY, 2001 TO 2017, AND BY LEVEL OF VISUAL IMPAIRMENT, 2017**

[As of June 30]

Year and subject	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Year					
2001	2,674	2,029	302	112	231
2002 1/	2,896	2,176	347	119	254
2003	3,077	2,325	361	132	259
2004	3,154	2,394	371	128	261
2005	3,229	2,462	388	133	246
2006	3,340	2,542	401	141	256
2007	3,400	2,587	403	142	268
2008	3,519	2,675	424	147	273
2009	3,502	2/ 2,644	433	151	274
2010	3,643	2,744	462	159	278
2011	3,533	2,633	459	157	284
2012	3,331	2,527	373	154	277
2013	2,551	1,986	281	113	171
2014	2,656	2,080	290	115	171
2015	2,732	2,148	294	115	175
2016	2,802	2,203	307	116	176
2017	2,943	2,319	324	123	177
Level of visual impairment: 2017					
Total	2,943	2,319	324	123	177
Blind 3/	2,561	2,021	276	104	160
Visually impaired 4/	382	298	48	19	17

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

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

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

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

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



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

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

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

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

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

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

**Table 2.23-- SPECIFIED COMMUNICABLE DISEASES: 2012 TO 2016**

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

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

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

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

Source: Hawaii State Department of Health, Office of Health Status Monitoring and Disease Outbreak Control Division, Disease Investigation Branch and AIDS Surveillance Program, "Historical Summary of Reported Cases of Notifiable Diseases, Hawaii, 2008-2017"  
<[https://health.hawaii.gov/docd/files/2018/06/Disease-Summary-Table-2008\\_2017\\_State.pdf](https://health.hawaii.gov/docd/files/2018/06/Disease-Summary-Table-2008_2017_State.pdf)> accessed July 18, 2018.

**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS 18 YEARS AND OLDER, BY COUNTY: 2016**

[2016 data unless otherwise specified. Weighted percent of adults who reported the health risk behaviors or conditions. Ninety-five percent confidence interval in parenthesis, when available]

<b>Risk factor</b>	<b>State</b>	<b>Honolulu</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui</b>
Adult seatbelt non-use 1/	7.1 (NA)	6.2 (NA)	8.9 (NA)	6.6 (NA)	8.7 (NA)
Binge drinking 2/	18.6 (17.3- 19.9)	18.0 (16.3- 19.8)	20.5 (17.5- 24.0)	20.8 (17.1- 25.1)	18.8 (16.0- 22.0)
High cholesterol 3/ 4/	36.3 (34.7- 38.1)	36.8 (34.6- 39.1)	35.4 (31.9- 39.2)	36.9 (31.9- 42.2)	35.8 (32.2- 39.7)
Hypertension 4/ 5/	32.0 (30.5- 33.5)	33.4 (31.5- 35.4)	31.6 (28.3- 35.1)	32.6 (28.5- 37.1)	27.1 (24.1- 30.3)
Lack of physical activities 6/	20.8 (NA)	21.6 (NA)	18.8 (NA)	16.7 (NA)	19.6 (NA)
Less consumption of vegetables 4/ 7/	78.8 (NA)	79.7 (NA)	76.8 (NA)	77.9 (NA)	77.8 (NA)
Less consumption of fruit or fruit juice 4/ 8/	71.1 (NA)	72.4 (NA)	69.3 (NA)	66.9 (NA)	68.0 (NA)
Kidney disease 9/	3.7 (3.2- 4.4)	4.1 (3.3- 5.0)	3.2 (2.2- 4.5)	4.1 (2.3- 7.0)	3.0 (2.2- 4.0)
Diabetes 10/	10.5 (9.6- 11.4)	10.2 (9.1- 11.4)	11.5 (9.5- 13.8)	11.7 (9.4- 14.4)	11.5 (9.4- 14.0)
Asthma 11/	17.3 (16.1- 18.5)	17.3 (15.8- 18.9)	19.6 (16.5- 23.2)	15.4 (12.4- 19.1)	17.2 (14.8- 20.0)
Current smoker 12/	13.1 (12.0- 14.2)	11.9 (10.5- 13.4)	16.3 (13.5- 19.5)	15.1 (11.9- 18.9)	15.2 (12.7- 18.1)
Overweight 13/	33.8 (32.3- 35.3)	33.7 (31.7- 35.7)	35.0 (31.4- 38.8)	33.3 (29.1- 37.8)	34.0 (30.6- 37.5)
Obese I 13/	14.4 (13.4- 15.6)	14.0 (12.6- 15.5)	15.8 (13.3- 18.7)	17.6 (14.4- 21.3)	15.0 (12.4- 18.0)

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**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS 18 YEARS AND OLDER, BY COUNTY: 2016 -- Con.**

Risk factor	State	Honolulu	Hawaii	Kauai	Maui
Obese II 13/	5.6 (4.9- 6.4)	5.5 (4.5- 6.5)	6.3 (4.6- 8.6)	4.9 (3.1- 7.6)	5.9 (4.5- 7.8)
Obese III 13/	3.8 (3.2- 4.5)	3.9 (3.1- 4.8)	4.8 (3.2- 7.0)	(NA) (NA)	3.4 (2.4- 4.8)

NA Not available.

- 1/ Adults who do not always wear seatbelts in cars.
- 2/ Five or more drinks for men, or four or more drinks for women, on one occasion in the past 30 days.
- 3/ Told by doctor, nurse or other health professional that their blood cholesterol was high.
- 4/ 2015 data. May differ from data in previous *Data Books*.
- 5/ Adult told by doctor, nurse or other health professional that they have high blood pressure.
- 6/ 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.
- 7/ Eat vegetables less than three times per day.
- 8/ Eat fruit or drink fruit juice less than two times per day.
- 9/ Told you have kidney disease. Does not include kidney stone, bladder infection or incontinence.
- 10/ Told by doctor or health professional that they have diabetes.
- 11/ Told by doctor, nurse or other health professional that they have asthma.
- 12/ Adults who ever smoked 100 cigarettes and who now smoke some days or every day.
- 13/ Overweight has BMIs greater than or equal to 25 but less than 30. Obese I has BMIs greater than or equal to 30 but less than 35; Obese II has BMIs greater than or equal to 35 but less than 40; and Obese III has BMIs greater than or equal to 40.

Source: Hawaii State Department of Health, Hawaii Indicator-Based Information System (Hawaii-IBIS) <[http://ibis.hhdw.org/ibisph-view/query/selection/brfss/\\_BRFSSSelection.html](http://ibis.hhdw.org/ibisph-view/query/selection/brfss/_BRFSSSelection.html)> accessed June 7, 2018.

**Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES, BY TYPE OF FACILITY: 2003 TO 2016**

[Figures based on facilities that reported their activity]

Category and year	Facilities			
	Total 1/	Acute care	Long-term care	Specialty care
<b>Number of facilities</b>				
2003	68	20	45	19
2004	70	22	47	20
2005	68	21	49	17
2006	62	19	43	13
2007	63	19	46	13
2008	66	19	46	14
2009	69	20	49	14
2010	70	20	48	15
2011	68	17	47	15
2012	68	17	47	15
2013	67	16	46	15
2014	65	17	44	15
2015	86	23	50	29
2016	85	23	48	28
<b>Number of licensed beds</b>				
2003	7,685	2,507	4,196	982
2004	7,612	2,464	4,234	914
2005	7,602	2,473	4,257	872
2006	7,233	2,503	3,960	770
2007	7,325	2,528	4,115	682
2008	7,326	2,532	4,013	781
2009	7,632	2,559	4,294	779
2010	7,747	2,573	4,305	869
2011	7,303	2,280	4,207	816
2012	7,215	2,313	4,100	802
2013	7,200	2,297	4,101	802
2014	7,200	2,362	4,027	811
2015	7,529	2,455	4,079	995
2016	7,939	2,495	4,402	1,042

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

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Health Care Utilization Report* (annual) <<http://health.hawaii.gov/shpda/>> accessed October 30, 2017 and revised tables; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.26-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES: 2003 TO 2016**

[Figures based on facilities that reported their activity]

Type of facility and year	Admissions	Average daily census	Average daily percent occupancy
<b>Acute care</b>			
2003	109,055	1,654	66.0
2004	113,066	1,631	66.2
2005	110,873	1,666	67.4
2006	109,540	1,698	67.8
2007	108,732	1,638	64.8
2008	106,132	1,554	61.4
2009	110,724	1,551	60.6
2010	112,166	1,534	59.6
2011	109,309	1,512	66.3
2012	112,761	1,616	69.9
2013	113,907	1,595	69.4
2014	109,643	1,622	68.7
2015	116,816	1,715	69.9
2016	110,713	1,667	66.8
<b>Long-term care</b>			
2003	7,468	3,903	93.0
2004	7,881	3,930	92.8
2005	8,393	3,985	93.6
2006	7,120	3,755	94.8
2007	7,630	3,859	93.8
2008	7,555	3,512	87.5
2009	8,502	3,627	84.5
2010	8,490	3,753	87.2
2011	8,899	3,762	89.4
2012	8,640	3,538	86.3
2013	9,034	3,633	88.6
2014	8,922	3,580	88.9
2015	9,961	3,417	83.8
2016	9,682	3,698	84.0

Source: State Health Planning & Development Agency, *Health Care Utilization Report* (annual) <<http://health.hawaii.gov/shpda/>> accessed October 30, 2017 and revised tables; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.27-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN FACILITIES, BY TYPE OF FACILITY, BY ISLAND: DECEMBER 2016**

[Figures based on facilities that reported their activity]

Category and island	Facilities			
	Total 1/	Acute care 2/	Long-term care 2/	Specialty care
Number of facilities				
State total	85	23	48	28
Oahu	56	10	30	21
Hawaii	14	6	9	3
Kauai	6	3	5	-
Maui	6	2	3	3
Molokai	2	1	-	1
Lanai	1	1	1	-
Number of licensed beds				
State total	7,939	2,495	4,402	1,042
Oahu	5,508	1,834	2,726	948
Hawaii	1,216	308	884	24
Kauai	444	111	333	-
Maui	737	223	449	65
Molokai	20	15	-	5
Lanai	14	4	10	-

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

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

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2016 Data* <<http://health.hawaii.gov/shpda/>> accessed October 30, 2017; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 2.28-- NUMBER AND BED CAPACITY OF STATE-APPROVED ADULT CARE HOMES, BY TYPE OF FACILITY, BY ISLAND: 2013 TO 2015**

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

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

1/ Five beds or fewer.

2/ More than five beds.

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

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

**Table 2.29-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLAND: 2016**

[Figures based on facilities that reported their activity]

Type of facility and island	Admissions	Average daily census	Occupancy (%)
Acute care 1/			
State total	110,713	1,667.1	66.8
Oahu	83,100	1,303.1	71.1
Hawaii	13,114	152.6	49.5
Kauai	5,028	57.4	51.8
Maui	9,382	152.6	68.4
Molokai	86	1.4	9.1
Lanai	3	-	0.7
Long-term care 1/			
State total	9,682	3,697.9	84.0
Oahu	7,413	2,346.8	86.1
Hawaii	1,380	665.4	75.3
Kauai	408	290.9	87.4
Maui	476	385.2	85.8
Molokai	-	-	0.0
Lanai	5	9.5	94.5

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

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2016 Data* <<http://health.hawaii.gov/shpda/>> accessed October 30, 2017; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.30-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE CHILD AND ADOLESCENT MENTAL HEALTH SERVICES: 2013 TO 2017**

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

Subject	2013	2014	2015	2016	2017
Total	2,119	2,225	2,405	2,496	2,405
Youths registered with services procured 1/ Number	1,313	1,337	1,505	1,528	1,420
Percent	62	60	63	61	59
Mean age (years)	14.0	13.9	13.6	13.5	13.3
Sex (%)					
Male	62	62	62	61	61
Female	38	38	38	39	39
County					
Hawaii	770	801	846	869	712
Honolulu	850	898	946	1,058	1,061
Kauai	186	225	262	190	202
Maui	225	248	320	348	319
Special populations 2/	88	53	31	31	111
Selected services procured (%) 3/					
Out-of-home	29.9	27.2	23.9	22.0	22.2
Out-of-state	0.4	1.6	2.3	2.5	2.0
Hospital-based residential	5.9	5.5	4.7	4.5	6.0
Community high risk 4/	1.1	1.0	0.7	0.5	0.6
Community residential	11.8	10.4	8.5	(4/)	(4/)
Community-based residential II	(4/)	(4/)	(4/)	0.7	0.6
Community-based residential III	(4/)	(4/)	(4/)	8.3	7.8
Transitional family home 5/	(NA)	(NA)	(NA)	9.5	9.4
Intensive home & community	75.1	77.4	76.8	82.1	84.5
Multi-systemic therapy	16.2	15.5	12.3	12.2	11.1
Intensive in-home	61.8	65.7	67.5	68.3	70.1
Outpatient 6/	23.5	20.2	22.5	15.4	10.0
Supportive services 7/	14.3	12.9	12.1	11.8	11.7
Crisis stabilization	3.5	2.8	2.5	20.1	1.5

Continued on next page.

**Table 2.30-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE  
CHILD AND ADOLESCENT MENTAL HEALTH SERVICES:  
2013 TO 2017 -- Con.**

NA Not available.

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

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

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

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

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

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

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

Source: Hawaii State Department of Health, Child and Adolescent Mental Health Division, *Annual Evaluation Report Fiscal Year* (annual), *Annual Evaluation Presentation* (annual), *Fiscal Year Annual Fact Book* (annual) <<http://health.hawaii.gov/camhd/resource-library/research-and-evaluation/>> accessed May 25, 2018 and records .

**Table 2.31-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 2001 TO 2017**

<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>				
2001	148	148	162	299
2002	164	182	169	320
2003	167	180	177	329
2004	171	182	178	331
2005	195	220	196	365
2006	177	176	194	349
2007	192	217	202	367
2008	165	200	227	363
2009	191	200	185	348
2010	188	209	216	377
2011	185	201	207	372
2012	181	291	295	430
2013	199	333	315	465
2014	192	278	264	447
2015	190	211	220	482
2016	189	247	245	481
2017	194	219	213	477
<b>State-supported outpatient community mental health centers</b>				
2001	3,064	1,150	1,144	3,976
2002	3,156	1,158	1,126	4,043
2003	3,657	1,550	954	4,446
2004	4,378	1,969	1,184	5,347
2005	4,996	2,056	1,455	6,149
2006	5,249	1,920	1,612	6,609
2007 1/	4,073	2,540	4,108	7,998
2008 1/	3,895	2,960	3,348	7,153
2009 1/	3,475	3,463	4,079	6,670
2010 1/	3,496	2,925	2,997	5,810
2011 1/	2,996	2,473	2,815	4,392
2012 1/	2,796	2,211	2,411	4,030
2013 1/	3,000	2,121	1,797	3,744
2014 1/	2,801	1,918	1,763	3,480
2015 1/	2,625	1,095	1,368	2,899
2016 1/	2,525	917	1,139	2,571
2017 1/	2,491	1,165	1,336	2,561

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 2017**

[Fiscal year ending June 30 unless otherwise specified]

Year	Number of beds on June 30 1/	Admissions		Patients in hospital 3/	
		Total	First 2/	Average	On June 30
2000	168	137	60	151	149
2001	168	183	88	158	157
2002	168	169	93	152	137
2003	168	184	101	167	174
2004	178	184	92	171	169
2005	178	182	80	172	181
2006	190	208	97	187	187
2007	190	191	82	183	191
2008	202	226	99	193	179
2009	202	192	75	174	183
2010	202	230	87	192	186
2011	202	220	75	185	180
2012	202	277	118	190	199
2013	202	301	125	186	195
2014	202	299	131	196	204
2015	202	304	112	205	198
2016	202	349	148	203	209
2017	202	319	115	203	202

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

2/ Admissions in which a person has entered the facility for the first time. Prior to the 2015 data, these figures were erroneously described as admissions in which a person had entered the facility for the first time during the fiscal year that data was being collected for.

3/ Includes patients on leave and absent without leave. In fiscal year 2017, 6.6 percent of patients went on leave or absent without leave.

Source: Hawaii State Hospital, records.

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

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

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

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

**Table 2.34-- ESTIMATED USE OF SELECTED SUBSTANCES, FOR HAWAII AND THE UNITED STATES: 2015-2016**

[Data in this table are annual averages based on the 2015-2016 National Survey on Drug Use and Health. Current users are those persons 12 years old and over. The numbers in this table are based on national design-based estimates. In 2015, a number of changes were made to the survey questionnaire and data collection procedures resulting in the establishment of a new baseline for a number of measures. Therefore, estimates for several measures included in prior reports are not available]

<b>Subject and geographic area</b>	<b>Marijuana 1/</b>	<b>Cocaine 2/</b>	<b>Any illicit drug other than marijuana 1/ 3/</b>	<b>Binge alcohol use 1/ 4/</b>	<b>Cigarettes 1/</b>
Estimated users (1,000)					
Hawaii	95	23	37	239	172
United States	23,103	4,950	9,195	66,009	51,642
Estimated users as percent of population					
Hawaii	8.2	2.0	3.2	20.6	14.9
United States	8.6	1.8	3.4	24.6	19.2

1/ Use in past month.

2/ Use in past year.

3/ Illicit drug use other than marijuana includes the misuse of prescription psychotherapeutics or the use of cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine.

4/ 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. In 2015, the definition for females changed from five to four drinks.

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, 2015-2016" <<https://www.samhsa.gov/data/sites/default/files/cbhsq-reports/NSDUHsaeSpecificStates2016A/NSDUHsaeStateTables2016.zip>> and <<https://www.samhsa.gov/data/sites/default/files/NSDUHsaeSpecificStates2016A/NSDUHsaeSpecificStates2016.htm>> accessed July 10, 2018.



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

[In percentages. The survey is administered in odd-numbered years to Hawaii public school students in middle school (grade 6-8) and high school (grade 9-12). Does not include charter or special public schools. See source document for margins of errors for this survey data. Hawaii data for 2013 and 2015 in the previous *Data Book* were percentages for the high school students]

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

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

NA Not available.

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

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

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

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

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

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

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

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

**Table 2.36-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS  
LICENSED IN HAWAII, BY PLACE OF ADDRESS: OCTOBER 9, 2017**

[Excludes inactive licenses]

<b>Place of address</b>	<b>Physicians and surgeons 1/</b>	<b>Dentists</b>	<b>Registered nurses</b>	<b>Pharmacists</b>
Total licensed	9,996	1,515	22,447	2,668
State of Hawaii	4,898	1,096	15,542	1,454
Oahu	3,776	847	11,415	1,088
Hawaii	493	106	1,873	172
Kauai	191	42	718	69
Maui	425	95	1,479	122
Molokai	11	5	35	3
Lanai	2	1	22	-
Mainland U.S.	5,052	404	6,828	1,209
Foreign	46	15	77	5

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

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Licensing Branch, <<http://cca.hawaii.gov/pvl/reports/>> accessed October 25, 2017; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.37-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2012**

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

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

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**Table 2.37-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2012 -- Con.**

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

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**Table 2.37-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2012 -- Con.**

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

1/ Not available or not comparable.

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

3/ 2,500 to 4,999 employees.

4/ 500 to 999 employees.

5/ 1,000 to 2,499 employees.

6/ 100 to 249 employees.

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

**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY COUNTY AND PLACE: 2012**

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

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

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**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY COUNTY AND PLACE: 2012 -- Con.**

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

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**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY COUNTY AND PLACE: 2012 -- Con.**

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

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

1/ 20 to 99 employees.

2/ 0 to 19 employees.

3/ 1,000 to 2,499 employees.

4/ 100 to 249 employees.

5/ 500 to 999 employees.

6/ 250 to 499 employees.

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

**Table 2.39-- MARRIAGES: 2004 TO 2015**

[Place of occurrence basis]

Year	Marriages		Rates per 1,000 resident population 2/	Percent of marriages	
	Total	Resident 1/		Nonresi- dent 3/	Inter- racial 4/ 5/
2004	28,843	9,225	7.2	68.0	56.0
2005	29,272	9,358	7.2	68.0	54.7
2006	28,681	9,300	7.1	67.6	53.7
2007	27,346	9,401	7.1	65.6	55.1
2008	25,464	9,643	7.2	62.1	54.1
2009	23,169	9,017	6.7	61.1	53.1
2010	23,918	9,117	6.7	61.9	53.4
2011	24,177	8,907	6.5	63.2	55.2
2012	24,207	8,863	6.4	63.4	55.3
2013	22,902	8,692	6.2	62.0	55.0
2014	25,175	9,366	6.6	62.8	54.7
2015	22,834	8,870	6.2	61.2	54.8

1/ One or both partners are residents of Hawaii.

2/ Based on July 1 estimates by the U.S. Census Bureau, as revised through December 2016. Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011. Rates may differ from previous *Data Books* due to revisions to these population figures.

3/ Both partners are nonresidents of Hawaii.

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

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

Source: Hawaii State Department of Health, *Statistical Report* (annual), and Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division "Table 1. Intercensal Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2010" (ST-EST00INT-01) (September 2011) <<http://www.census.gov/popest/data/intercensal/state/tables/ST-EST00INT-01.xls>> accessed September 28, 2011, "Table 1. Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2016" (NST-EST2016-01) (December 2016) <<https://www2.census.gov/programs-surveys/popest/tables/2010-2016/state/totals/nst-est2016-01.xlsx>> accessed December 20, 2016 and earlier population estimates; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.40-- MARRIAGE AND DIVORCE RATES BASED ON RISK  
POPULATION: 1910 TO 2000**

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

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

2/ Single, widowed or divorced.

3/ Includes separated persons.

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

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

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

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

**Table 2.41-- CHARACTERISTICS OF MARRIAGES: 2012 TO 2015**

[Place of occurrence basis]

<b>Subject</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Number	24,207	22,902	25,175	22,834
Percent on Oahu	49.9	49.9	49.5	50.8
Percent Hawaii residents				
Both partners	33.0	34.3	33.5	35.1
One partner only	3.6	3.7	3.7	3.8
Neither partner	63.4	62.0	62.8	61.2
Median age (years)				
Males	34	34	35	35
Females	31	32	33	32
Percent previously married				
Males	36.9	36.5	33.7	34.6
Females	35.1	35.0	33.5	33.9

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

**Table 2.42-- MARRIAGES, RESIDENT AND NONRESIDENT, BY RACE MIXTURE AND TYPE OF CEREMONY: 2015**

[Place of occurrence basis]

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

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

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

3/ Based on number reporting.

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

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

**Table 2.43-- MARITAL DISSOLUTION: 2000 TO 2015**

[Place of residence basis]

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

NA Not available.

1/ Estimate. The degree of uncertainty for an estimate is represented through the use of a confidence interval. For the number of married couples in 2010, the lower bound of the 90 percent confidence interval is 218,877 while the upper bound is 229,927. For the number of married couples in 2015, the lower bound of the 90 percent confidence interval is 227,363 while the upper bound is 237,539.

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

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

Source: Hawaii State Department of Health, *Statistical Report* (annual) and records; U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002) and the American Community Survey, "DP02 Selected Social Characteristics in the United States - Hawaii, 2010 American Community Survey 1-Year Estimates" (September 2011) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed September 22, 2011 and American Community Survey, "DP02 Selected Social Characteristics in the United States - Hawaii, 2015 American Community Survey 1-Year Estimates" (September 2016) <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed September 15, 2016.