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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: 2010* contain data for the nation as a whole.

**Table 2.01-- BIRTHS AND DEATHS: 1990 TO 2008**

[Place of occurrence basis]

Year	Resident births 2/	Resident deaths 2/	Rates per 1,000 resident population 1/		Rates per 1,000 live births		
			Births	Deaths	To unmarried mothers	Fetal deaths 3/	Infant deaths 4/
1990	20,438	6,687	18.4	6.0	249.3	10.4	7.1
1991	19,880	6,696	17.5	5.9	262.5	10.5	7.0
1992	19,837	6,846	17.1	5.9	264.5	11.1	6.5
1993	19,567	7,226	16.7	6.2	273.0	11.7	7.6
1994	19,438	7,206	16.4	6.1	283.8	12.0	6.8
1995	18,552	7,482	15.5	6.3	291.8	12.1	5.9
1996	18,378	7,803	15.3	6.5	302.3	9.6	5.8
1997	17,326	7,710	14.3	6.4	299.0	8.5	6.4
1998	17,567	7,969	14.5	6.6	319.4	8.1	6.8
1999	17,032	8,125	14.1	6.7	328.4	10.8	7.1
2000	17,514	8,163	14.5	6.7	322.7	9.5	7.8
2001	17,043	8,252	14.0	6.8	330.7	11.4	6.2
2002	17,444	8,650	14.2	7.0	337.2	10.2	7.0
2003	18,066	8,850	14.6	7.1	335.3	10.6	7.6
2004	18,238	8,888	14.6	7.1	345.0	8.7	5.5
2005	17,882	8,988	14.1	7.1	362.3	8.1	6.9
2006	18,927	9,290	14.8	7.3	362.4	7.8	5.9
2007	19,085	9,314	14.9	7.3	370.7	10.1	6.3
2008	19,417	9,322	15.1	7.2	380.6	8.4	5.5

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 22, 2008 . Rates for 2000 and beyond may differ from previous *Data Books* due to revisions to these population figures. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

2/ 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.

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: Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2009" (NST-EST2009-01) (December 23, 2009) <<http://www.census.gov/popest/states/tables/NST-EST2009-01.xls>> accessed December 23, 2009; calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 2004 TO 2008**

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births:						
2004	18,296	-	18,296	2,972	15,324	2,972
2005	17,922	-	17,922	2,692	15,230	2,692
2006	18,986	-	18,986	3,281	15,705	3,281
2007	19,153	-	19,153	3,030	16,123	3,030
2008	19,462	-	19,462	3,202	16,260	3,202
Deaths:						
2004	9,252	42	9,210	59	9,151	101
2005	9,330	51	9,279	60	9,219	111
2006	9,622	41	9,581	55	9,526	96
2007	9,627	33	9,594	62	9,532	95
2008	9,572	48	9,524	64	9,460	112
Birth rates: 2/						
2004	13.4	0	13.7	52.1	12.0	32.5
2005	12.9	0	13.3	46.8	11.8	27.5
2006	13.6	0	14.0	61.8	12.1	34.6
2007	13.7	0	3/ 14.1	50.8	3/ 12.4	32.1
2008	14.0	0	14.4	52.2	12.6	32.4
Death rates: 2/						
2004	6.8	1.2	6.9	1.0	7.2	1.1
2005	6.7	1.3	6.9	1.0	7.2	1.1
2006	6.9	1.0	7.1	1.0	7.3	1.0
2007	6.9	0.9	3/ 7.1	1.0	7.3	1.0
2008	6.9	1.3	7.1	1.0	7.3	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/ Per 1,000 de facto population in each group. Calculation of de facto population are based on July 1 estimates by the U.S. Census Bureau as revised through December 23, 2009 as well as the population estimates for 1991 through 1999 which were revised based upon the April 1, 2000 figures and released on April 19, 2002.

3/ Revised from previous *Data Book*.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division, "Table 1: Annual Estimates of the Resident Population for the United States, Regions, States, and for Puerto Rico: April 1, 2000 to July 1, 2009" (NST-EST2009-01) (December 23, 2009) <<http://www.census.gov/popest/states/tables/NST-EST2009-01.xls>> accessed December 23, 2009; Hawaii State Department of Business, Economic Development & Tourism, *State of Hawaii Data Book 2008*, Table 1.03; 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 2008**

[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	18.4	17,514	825	3,901
2001	21,764	17.9	17,043	759	3,962
2002	22,172	18.1	17,444	831	3,897
2003	22,509	18.2	18,066	862	3,581
2004	22,564	18.0	18,238	884	3,442
2005	22,303	17.6	17,882	897	3,524
2006	23,219	18.2	18,927	827	3,465
2007	23,731	18.6	19,085	942	3,704
2008	23,750	18.4	19,417	1,102	3,231

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 22, 2008. Rates for 2000 and beyond may differ from previous *Data Books* due to revisions to these population figures. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division "Table 1: Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2009" (NST-EST2009-01) (December 23, 2009) <<http://www.census.gov/popest/states/tables/NST-EST2009-01.xls>> accessed December 23, 2009; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 2003 TO 2008**

[Place of occurrence basis]

<b>Event and year</b>	<b>Total</b>	<b>Resident 1/</b>	<b>Nonresident</b>	<b>Not reported</b>
Births:				
2003	18,141	18,066	73	2
2004	18,296	18,238	57	1
2005	17,922	17,882	37	3
2006	18,986	18,927	58	1
2007	19,153	19,085	68	-
2008	19,462	19,417	45	-
Deaths:				
2003	9,179	8,850	318	11
2004	9,252	8,888	352	12
2005	9,330	8,988	331	11
2006	9,622	9,290	313	19
2007	9,627	9,314	307	6
2008	9,572	9,322	250	-

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: 2006 TO 2008**

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

<b>Subject</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Number of resident births	18,927	19,085	19,417
City and County of Honolulu	13,683	13,534	13,712
Percent on Oahu	72.3	70.9	70.6
Hawaii County	2,376	2,529	2,618
Kauai County	841	869	941
Maui County (incl. Kalawao)	2,027	2,153	2,146
Percent attended by M.D. or D.O. in hospital	93.7	93.5	92.2
Males per 100 females	108.1	106.3	107.2
Median weight of single births (grams)	3,289	3,289	3,289
Percent low birth weight (under 2,500 grams)	8.0	8.0	8.1
Percent single births under 40 weeks gestation	68.8	68.0	69.3
Percent plural	3.0	2.7	3.1
Percent with 1 or more congenital malformations	5.5	7.3	9.8
Percent to unmarried mothers	36.2	37.1	38.1
Percent with prenatal visit in first three months	79.0	77.9	79.9
Percent first child born to mother 1/	31.5	30.9	30.3
Percent first child born alive to mother	41.6	40.9	40.8
Median age of mothers (years)	28	28	28
Median age of known fathers (years)	30	30	30

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

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



**Table 2.06-- BIRTH AND FERTILITY RATES FOR THE UNITED STATES AND HAWAII: 2007**

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

Type of rate	United States	Hawaii	Rank 1/
Birth rate 2/	14.3	14.9	18
Fertility rate 3/	69.5	76.0	4/ 12

1/ Among 50 States and D.C., 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 one other state.

Source: U.S. National Center for Health Statistics, as cited in *Statistical Abstract of the United States: 2010*, table 82 <<http://www.census.gov/compendia/statab/2010/tables/10s0082.xls>> accessed May 11, 2010.

**Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE,  
BY MILITARY STATUS OF PARENT: 2008**

[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	19,417	7,843	10,686	888	57.7
Military	3,193	2,173	953	67	30.5
Civilian	14,882	5,642	9,223	17	62.0
Status not reported	1,342	28	510	804	94.8

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". In the years 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.

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

**Table 2.08-- MOST COMMON FIRST NAMES ON BIRTH CERTIFICATES,  
BY SEX: 2008**

[Place of occurrence basis. A total of 9,425 first names, including variant spellings, was reported for the 19,462 babies born in Hawaii in 2008]

Boys' names			Girls' names		
Rank	Name	Number	Rank	Name	Number
1	Ethan	88	1	Chloe	62
2	Noah	81	2	Isabella	58
3	Isaiah	79	3	Madison	49
4	Jayden	75	4	Mia	48
5	Elijah	72		Sophia	48
6	Joshua	71	6	Ava	43
7	Jacob	66	7	Lily	42
8	Aiden	58	8	Hailey	40
	Tyler	58	9	Emma	39
10	James	55	10	Olivia	38

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

**Table 2.09-- MOST COMMON SURNAMEN ON BIRTH AND DEATH  
CERTIFICATES: 2008**

Birth certificates			Death certificates		
Rank	Surname	Births	Rank	Surname	Deaths
1	Lee	86	1	Lee	72
2	Smith	67	2	Wong	57
3	Johnson	56	3	Kim	54
4	Garcia	52	4	Nakamura	39
5	Brown	50	5	Young	38
6	Wong	47	6	Chang	37
7	Silva	45	7	Yamamoto	33
8	Kim	44	8	Chun	29
9	Williams	40		Smith	29
10	Ramos	38	10	Oshiro	28
				Tanaka	28

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

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

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

Year	All races	Cau- casian	Chinese	Filipino	Hawaiian and Part- Hawaiian	Japanese	Korean	Samoan	Other
1910	44.0	54.8	54.2	(NA)	32.6	49.3	(NA)	(NA)	15.6
1920	45.7	56.5	53.8	28.1	33.6	50.5	(NA)	(NA)	28.4
1930	54.0	61.9	60.1	46.1	41.9	60.1	(NA)	(NA)	32.6
1940	62.0	64.0	65.3	56.9	51.8	66.3	(NA)	(NA)	59.5
1950	69.5	69.2	69.7	69.1	62.5	72.6	(NA)	(NA)	68.3
1960	72.4	72.8	74.1	71.5	64.6	75.7	(NA)	(NA)	62.2
1970	74.2	73.2	76.1	72.6	67.6	77.4	(NA)	(NA)	76.7
1980	1/ 77.9	75.8	81.7	79.3	71.8	80.9	(NA)	(NA)	79.0
1990	78.9	75.5	82.9	78.9	74.3	82.1	(NA)	(NA)	80.4
2000	80.5	79.0	86.1	80.9	74.3	82.8	81.4	72.8	(NA)
Male	77.5	76.7	83.5	78.0	71.5	79.7	78.3	71.1	(NA)
Female	83.6	81.7	88.7	85.9	77.1	88.7	83.6	74.6	(NA)

NA Not available.

1/ Revised from previous *Data Book*.

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

**Table 2.11-- EXPECTATION OF LIFE AT BIRTH, BY SEX, FOR THE UNITED STATES AND HAWAII: 1900 TO 2006**

[Average expectation of life in years]

Year of birth	United States			Hawaii 1/		
	Both sexes	Male	Female	Both sexes	Male	Female
1900	2/ 47.3	2/ 46.3	2/ 48.3	(NA)	(NA)	(NA)
1910	50.0	48.4	51.8	44.0	44.0	43.8
1920	54.1	53.6	54.6	45.7	45.6	45.8
1930	59.7	58.1	61.6	54.0	52.7	55.9
1940	62.9	60.8	65.2	62.0	59.9	64.9
1950	3/ 68.2	3/ 65.6	3/ 71.1	69.5	67.8	71.7
1960	3/ 69.7	3/ 66.6	3/ 73.1	72.4	70.4	74.8
1970	70.8	67.1	74.7	74.2	72.1	76.4
1980	73.7	70.0	77.4	4/ 77.9	4/ 74.5	4/ 81.5
1990	75.4	71.8	78.8	78.9	75.9	82.1
2000 5/	76.8	74.1	79.3	5/ 80.5	5/ 77.5	5/ 83.6
2001 5/	76.9	74.2	79.4	(NA)	(NA)	(NA)
2002 5/	76.9	74.3	79.5	(NA)	(NA)	(NA)
2003 5/	77.1	74.5	79.6	(NA)	(NA)	(NA)
2004 5/	77.5	74.9	79.9	(NA)	(NA)	(NA)
2005 5/	77.4	74.9	79.9	(NA)	(NA)	(NA)
2006	77.7	75.1	80.2	(NA)	(NA)	(NA)

NA Not available.

1/ Figures were revised from two decimal figures in earlier *Data Books* to one decimal figures.

2/ Data are for the death-registration states only. Includes deaths of persons who were not residents of the 50 states and D.C.

3/ Includes deaths of persons who were not residents of the 50 states and D.C.

4/ Revised from previous *Data Book* for both sexes figures. Revised figures for the male and female components, however, were not available.

5/ Revised from previous *Data Book*.

Source: U.S. Bureau of the Census, *Historical Statistics of the United States, Colonial Times to 1970*, Part 1 (1975), p. 55; Hawaii State Department of Health, Office of Health Status Monitoring, "Life Tables by Ethnic Group for Hawaii, 1920-1970," R & S Report, No. 26 (June 1979), pp. 8-26; and "Life Expectancy in the State of Hawai'i, 1980 and 1990," R & S Report, No. 63 (August 1996), p. 9; Chai Bin Park, Kathryn L. Braun, Brian Y. Horiuchi, Caryn Tottori, and Alvin T. Onaka, *Longevity Disparities in Multiethnic Hawaii: An Analysis of 2000 Life Tables* (Public Health Reports, Research Articles, Vol. 124, July-August 2009); U.S. Department of Health and Human Services, National Center for Health Statistics, "Average Life Expectancy at Birth by State for 2000 and Ratio of Estimates and Projections of Deaths: 2001 to 2003", Table 2 (April 21, 2005) <<http://www.census.gov/population/projections/MethTab2.xls>> accessed June 6, 2006, *Health, United States* (annual) <<http://www.cdc.gov/nchs/hus/previous.htm>> accessed June 22, 2009 and *Health, United States, 2009: With Special Feature on Medical Technology* (January 2010) <<http://www.cdc.gov/nchs/hus.htm>> accessed June 24, 2010.

**Table 2.12-- EXPECTATION OF LIFE AT BIRTH, BY SEX,  
BY COUNTY: 2005**

[Average expectation of life in years. 2004-2006 average used to calculate the death rate]

<b>County</b>	<b>Both sexes</b>	<b>Male</b>	<b>Female</b>
State of Hawaii	80.8	78.2	83.3
Hawaii	79.7	77.2	82.2
Honolulu	80.9	78.2	83.5
Kauai	80.7	78.1	83.3
Maui 1/	80.6	78.4	82.8

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 2035 - DBEDT 2035 Series*, (January 2008), Appendix tables A-27 to A-36 <[http://hawaii.gov/dbedt/info/economic/data\\_reports/2035LongRangeSeries/2035\\_Long\\_Range\\_Series\\_Appendix\\_Tables.xls](http://hawaii.gov/dbedt/info/economic/data_reports/2035LongRangeSeries/2035_Long_Range_Series_Appendix_Tables.xls)> accessed May 18, 2008 and records.

**Table 2.13-- AVERAGE LIFETIME, BY SEX: 1959-61 TO 1989-91**

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

NA Not available.

1/ Among the 50 states and D.C., 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.

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, and *U.S. Decennial Life Tables for 1989-91*, Vol. II, *State Life Tables*, No. 12, *Hawaii* (March 1998), p. 4.



**Table 2.14-- SELECTED LIFE TABLE VALUES: 1989-91**

Exact age in years	Average number of years of life remaining at beginning of year of age			Number surviving to specified age per 100,000 born alive		
	Both sexes	Male	Female	Both sexes	Male	Female
0	78.21	75.37	81.26	100,000	100,000	100,000
1	77.80	75.01	80.78	99,253	99,154	99,358
5	73.95	71.18	76.92	99,053	98,925	99,189
15	64.12	61.37	67.06	98,817	98,647	98,997
25	54.53	51.89	57.32	98,128	97,739	98,570
35	45.04	42.58	47.59	97,132	96,291	98,063
45	35.74	33.49	38.06	95,418	93,989	96,982
55	26.98	24.93	29.06	91,637	89,354	94,067
65	18.98	17.31	20.66	83,847	79,600	88,093
75	12.01	10.88	13.07	68,406	61,075	76,007
85	6.55	5.71	7.07	40,617	32,940	49,596
95	3.29	2.92	3.40	8,840	5,002	12,652

Source: U.S. Department of Health and Human Services, National Center for Health Statistics, *U.S. Decennial Life Tables for 1989-91*, Vol. II, *State Life Tables*, No. 12, *Hawaii* (March 1998), pp. 6-11.

**Table 2.15-- SELECTED LIFE TABLE VALUES: 2004-2006**

Exact age in years	Average number of years of life remaining at beginning of year of age			Number surviving to specified age per 100,000 born alive		
	Both sexes	Male	Female	Both sexes	Male	Female
0	80.8	78.2	83.3	100,000	100,000	100,000
1	80.3	77.7	82.8	99,412	99,368	99,459
5	76.3	73.8	78.9	99,296	99,241	99,355
15	66.4	63.9	69.0	99,159	99,090	99,232
25	56.8	54.3	59.2	98,590	98,329	98,869
35	47.2	44.9	49.4	97,783	97,187	98,407
45	37.9	35.7	40.0	96,250	95,308	97,217
55	29.0	26.9	30.9	93,122	91,542	94,731
65	20.6	18.7	22.3	86,822	84,152	89,521
75	13.4	12.0	14.6	73,367	67,736	78,725
85	7.3	6.5	8.0	48,898	39,985	57,313
95	3.6	2.7	4.1	13,078	8,311	17,839

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2035 - DBEDT 2035 Series*, revised July 2009, Appendix tables A-27 and A-28 <[http://hawaii.gov/dbedt/info/economic/data\\_reports/2035LongRangeSeries/Appendix\\_Tables\\_July09.xls](http://hawaii.gov/dbedt/info/economic/data_reports/2035LongRangeSeries/Appendix_Tables_July09.xls)> accessed July 27, 2010 and records.

**Table 2.16-- CHARACTERISTICS OF RESIDENT DEATHS: 2006 TO 2008**

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

Subject	2006	2007	2008
Number of resident deaths	9,290	9,314	9,322
City and County of Honolulu	6,530	6,462	6,516
Hawaii County	1,367	1,347	1,400
Kauai County	491	496	480
Maui County (incl. Kalawao)	902	1,009	926
Males per 100 females	119.3	118.7	119.1
Median age (years)	78	79	79
Centenarian deaths: Male	33	34	36
Female	73	56	56
Oldest (age in years): Male	105	106	106
Female	106	107	109
Percent married	41.4	41.1	40.1
Deaths under 1 year	107	118	103
Per 1,000 live births	5.7	6.2	5.3
Fetal deaths 1/	4,292	4,646	4,333
Per 1,000 deliveries	185	196	182
Fetal deaths, 20 or more weeks gestation 2/	141	187	155
Per 1,000 live births	7.4	9.8	8.0
Standard fetal deaths 3/	827	942	1,102
Elective abortions	3,465	3,704	3,231
Per 1,000 live births	183.1	194.1	166.4

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 2.17-- CAUSES OF DEATH, BY SEX: 2008**

[Place of residence basis]

Causes of death 1/	Both sexes	Males 2/	Females
Total deaths	9,322	5,067	4,255
Malignant neoplasm 3/	2,146	1,216	930
Stomach	93	59	34
Colon, rectum and anus	196	110	86
Pancreas	179	95	84
Trachea, bronchus and lung	546	337	209
Breast	127	-	127
Cervix uteri, corpus uteri and ovary	76	-	76
Prostate	108	108	-
Urinary tract	81	57	24
Non-Hodgkin's lymphoma	87	47	40
Leukemia	77	39	38
Other malignant neoplasms	576	364	212
Diabetes mellitus	283	144	139
Alzheimer's disease	211	72	139
Diseases of the heart	2,274	1,307	967
Hypertensive heart disease	57	30	27
Ischemic heart disease	1,275	805	470
Other forms of heart disease	942	472	470
Hypertension	101	54	47
Cerebrovascular disease	629	296	333
Atherosclerosis	16	8	8
Other circulatory system diseases	86	49	37
Influenza/pneumonia	266	142	124
Chronic lower respiratory diseases	290	148	142
Chronic liver disease and cirrhosis	110	77	33
Nephritis and nephrosis	194	96	98
Perinatal conditions	57	37	20
Congenital anomalies	35	16	19
Symptoms and ill-defined conditions (Inc. Sudden Infant Death Syndrome)	137	76	61
Other diseases 4/	1,879	913	966
Motor vehicle accidents	104	82	22
All other and unspecified accidents and adverse effects	294	197	97
Intentional self-harm (suicide)	131	91	40
Assault (homicide)	28	19	9
All other external causes	51	27	24

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, HIV Disease, Peptic Ulcer, and Pregnancy, Childbirth and Puerperium.

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

**Table 2.18-- GREATEST CATASTROPHIC MORTALITY OF RECORD,  
BY TYPE OF DISASTER: 1778 TO 2010**

[Complete through June 15, 2010]

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
	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
	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 400
War, riots, etc.	Dec. 7, 1941	Oahu	Pearl Harbor attack	2,500
	Jan. 1790	Olowalu	U.S. ship fired on native canoes	> 100
	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 2010**

[Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through June 15, 2010]

<b>Date</b>	<b>Place</b>	<b>Kind of disaster</b>	<b>Deaths</b>
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

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 2008**

[Place of occurrence basis]

<b>Method</b>	<b>1980</b>	<b>1990</b>	<b>2000</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
All methods	5,204	7,055	8,511	9,622	9,627	9,572
Burial	2,343	2,798	2,767	2,648	2,597	2,455
Cremation	2,241	3,564	5,092	6,292	6,372	6,506
Removal	567	656	591	591	580	530
Entombment	44	35	19	15	11	14
Medical science	-	-	40	68	64	63
Other	1	-	-	2	1	-
Unknown	8	2	2	6	2	4

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 2009, AND BY LEVEL OF VISUAL IMPAIRMENT, 2009**

[As of June 30]

<b>Year and Subject</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>Hawaii County</b>	<b>Kauai County</b>	<b>Maui County</b>
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
LEVEL OF VISUAL IMPAIRMENT: 2009					
Total	3,502	2/ 2,644	433	151	274
Blind 3/	3,207	2,435	384	134	254
Visually impaired 4/	295	209	49	17	20

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 person 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: 2008**

[Excludes persons in institutions, military barracks, households without telephones, the homeless, and Ni`ihau. Sample survey consisted of 16,859 people. Data were provisionally weighted based on the Census 2000 data]

<b>Selected chronic conditions</b>	<b>Prevalence of condition 1/</b>	<b>Conditions per 1,000 persons 2/</b>
Diabetes	86,706	69
Hypertension	197,437	157
High blood cholesterol	203,966	162
Asthma	140,113	111
Arthritis	105,007	83

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: 2004 TO 2008**

[2008 data reported as of October 2009; earlier data not updated]

Disease	2004	2005	2006	2007	2008
Cases: 1/					
AIDS	139	115	91	96	101
Campylobacteriosis	684	558	587	531	657
E. coli 0157:H7	10	13	19	40	13
Fish poisoning 2/	70	80	63	40	62
Giardiasis	80	63	58	80	42
Gonorrhea	1,194	1,024	885	658	621
Hansen's Disease 3/	20	22	11	15	18
Hepatitis A	27	24	12	8	20
Hepatitis B (Acute)	11	10	8	18	7
Influenza 4/	389	860	1,104	603	1,806
Leptospirosis 5/	37	26	25	30	27
Malaria 6/	4	18	9	2	3
Measles (Rubeola) 6/	3	2	-	2	5
Meningitis, bacterial	9	12	10	10	5
Mumps 7/	9	18	6	2	4
Pertussis (whooping cough) 4/	30	147	87	19	20
Pneumococcal disease	103	90	115	111	99
Rubella 6/	-	-	-	-	-
Salmonellosis	375	290	265	313	269
Shigellosis	49	35	45	72	46
Syphilis (Primary & Secondary)	8	11	12	9	29
Tuberculosis	116	112	115	122	124
Deaths: 8/					
AIDS	23	18	17	21	19
Hansen's Disease	(9/)	-	-	(9/)	(9/)
Hepatitis A	-	-	(9/)	-	-
Hepatitis B (Acute)	10	6	6	(9/)	(9/)
Influenza	(9/)	(9/)	(9/)	(9/)	(9/)
Leptospirosis	-	(9/)	-	-	-
Meningitis, bacterial	-	(9/)	(9/)	-	(9/)
Pneumococcal disease	(9/)	(9/)	(9/)	(9/)	(9/)
Salmonellosis	(9/)	-	(9/)	(9/)	(9/)
Shigellosis	-	-	-	-	-
Syphilis	-	-	-	-	-
Tuberculosis	(9/)	(9/)	(9/)	(9/)	7

Continued on next page.

**Table 2.23--SPECIFIED COMMUNICABLE DISEASES: 2004 TO 2008 -- Con.**

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

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

**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS 18 YEARS AND OLDER: 2006 TO 2009**

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

Risk factor 1/	2006	2007	2008	2009
Seatbelt non-use	0.6 (0.4-1.0)	(NA)	0.7 (0.4- 1.1)	(NA)
Binge drinking 2/	17.5 (16.2-19.0)	18.5 (17.0-20.0)	17.6 (16.1-19.1)	17.1 (15.7-18.6)
Drinking and driving 3/	6.8	(NA)	4.6	(NA)
High cholesterol	(NA)	36.3 (34.7-38.1)	(NA)	38.9 (37.1-40.6)
Hypertension 4/	(NA)	29.5	(NA)	30.7
Lack of exercise 5/	19.3 (18.0-20.6)	18.0 (16.8-19.4)	19.6 (18.2-21.0)	19.6 (18.3-21.0)
Poor nutrition 6/	(NA)	71.2	(NA)	76.4
Diabetes 7/	8.9	8.6	8.8	9.5
Asthma 8/	15.9 (14.6-17.3)	13.9 (12.7-15.2)	16.1 (14.8-17.5)	16.9 (15.6-18.3)
Current smokers	17.5 (16.3-18.9)	17.0 (15.7-18.4)	15.4 (14.1-16.8)	15.4 (14.1-16.7)
Overweight 9/	35.5 (33.9-37.1)	35.1 (33.5-36.7)	34.2 (32.6-35.9)	34.9 (33.3-36.6)
Obese 10/	20.6 (19.2-22.0)	21.7 (20.3-23.2)	23.1 (21.7-24.7)	22.9 (21.4-24.5)

NA Not available.

1/ Certain risk factor data are collected only on alternating years.

2/ Five or more alcoholic beverages on at least one occasion during the past 30 days. From 2007 onward, defined as five or more drinks for men, or four or more drinks for women, on one occasion.

3/ At least once during the past 30 days.

4/ Told by doctor, nurse or other health professional that they have high blood pressure. Includes high blood pressure during pregnancy.

5/ Physically inactive. No leisure-time physical activity reported during the past 30 days. From 2007 onward, defined as did not participate in any physical activities such as running, calisthenics, golf, gardening, or walking for exercise outside of regular job during the past 30 days.

6/ Eat fruits and vegetables less than five times a day.

7/ Told by doctor that they have diabetes. Includes diabetes during pregnancy.

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

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

10/ Body mass index (BMI) equal to or greater than 30.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Behavioral Risk Factor Surveillance System (BRFSS) <<http://hawaii.gov/health/statistics/brfss/brfss/index.html>> accessed June 4, 2010.

**Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES AND CARE HOMES, BY TYPE OF FACILITY: 2000 TO 2007**

[Excludes Tripler Army Medical Center. Figures based on facilities that reported their activity]

Category and year	Facilities				Care homes	
	Total 1/	Acute care 2/	Long-term care 2/	Specialty care	Type I 3/	Type II 4/
Number of facilities:						
2000	74	24	45	24	543	17
2001	73	21	45	22	529	16
2002	72	20	45	23	521	19
2003	68	20	45	19	512	17
2004	72	22	48	21	480	19
2005	70	23	50	18	467	20
2006	64	21	44	15	446	19
2007	65	23	47	13	462	20
Number of licensed beds: 5/						
2000	7,759	2,561	4,115	1,088	2,514	413
2001	7,625	2,519	4,137	969	2,645	387
2002	7,623	2,462	4,184	977	2,605	417
2003	7,685	2,507	4,196	982	2,394	359
2004	7,612	2,464	4,234	914	2,250	381
2005	7,602	2,509	4,221	872	2,188	387
2006	7,233	2,523	3,940	770	2,106	339
2007	7,325	2,558	4,085	682	2,188	365

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

2/ Acute/SNF swing beds are now classified under acute care and are no longer under long-term care.

3/ Five beds or fewer.

4/ Six beds or more.

5/ All facilities and care home beds are licensed by the State Department of Health's Office of Health Care Assurance.

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001),

*Inpatient Facilities Utilization Report 2001 Data* (October 2002)

<<http://www.state.hi.us/health/shpda/shzrptoc.htm>> accessed December 27, 2002; *Health Care Utilization Report* (annual) <<http://www.state.hi.us/health/shpda/>> accessed July 10, 2009 and revised tables; Office of Health Care Assurance, records; 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: 2000 TO 2007**

[Excludes Tripler Army Medical Center. Figures based on facilities that reported their activity]

Type of facility and year	Admissions	Average daily census	Average length of stay (days)	Average daily percent occupancy
Acute care:				
2000	104,273	1,711	6.0	66.8
2001	103,607	1,693	6.0	67.2
2002	109,354	1,703	5.7	69.2
2003	109,055	1,654	5.5	66.0
2004	113,066	1,636	5.3	66.4
2005 1/	111,095	1,674	5.5	66.7
2006 1/	109,752	1,709	5.7	67.7
2007 1/	108,995	1,650	5.5	64.5
Long-term care:				
2000	6,251	3,700	216	89.9
2001	6,263	3,781	220	91.4
2002	6,673	3,931	215	94.0
2003	7,468	3,903	191	93.0
2004	7,881	3,941	183	93.1
2005 1/	8,171	3,977	178	94.2
2006 1/	6,749	3,744	202	95.0
2007 1/	7,367	3,847	191	94.2

1/ Acute/SNF swing beds are now classified under acute care and are no longer under long-term care.

Source: State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001); *Inpatient Facilities Utilization Report 2001 Data* (October 2002) <<http://www.state.hi.us/health/shpda/shzrptoc.htm>> accessed December 27, 2002; *Health Care Utilization Report* (annual) <<http://www.state.hi.us/health/shpda/>> accessed July 10, 2009 and revised tables; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.27-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN FACILITIES AND CARE HOMES, BY TYPE OF FACILITY, BY ISLAND: DECEMBER 2007**

[Excludes Tripler Army Medical Center. Figures based on facilities that reported their activity]

Category and island	Facilities				Care homes	
	Total 1/	Acute care 2/	Long-term care 2/	Specialty care	Type I 3/	Type II 4/
<b>NUMBER OF FACILITIES</b>						
State total	65	23	47	13	462	20
Oahu	41	10	28	9	384	19
Hawaii	9	6	8	-	49	-
Kauai	6	3	5	1	16	1
Maui	6	2	4	3	10	-
Molokai	2	1	1	1	3	-
Lanai	1	1	1	-	-	-
<b>NUMBER OF LICENSED BEDS 5/</b>						
State total	7,325	2,558	4,085	682	2,188	365
Oahu	5,176	1,988	2,554	634	1,838	355
Hawaii	974	254	720	-	218	-
Kauai	428	101	318	9	69	10
Maui	702	198	481	23	48	-
Molokai	31	13	2	16	15	-
Lanai	14	4	10	-	-	-

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

2/ Acute/SNF swing beds are now classified under acute care and are no longer under long-term care.

3/ Five beds or fewer.

4/ More than five beds.

5/ All facilities and care home beds are licensed by the State Department of Health's Office of Health Care Assurance.

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Health Care Utilization Report 2007 Data* <<http://www.state.hi.us/health/shpda/sh06t4.pdf>> accessed July 10, 2009; Office of Health Care Assurance, records; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.28-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLAND: 2007**

[Excludes Tripler Army Medical Center. Figures based on facilities that reported their activity]

Type of facility and island	Admissions	Average daily census	Average length of stay (days)	Average daily percent occupancy
<b>ACUTE CARE 1/</b>				
State total	108,995	1,650	5.5	64.5
Oahu	76,959	1,255	6.0	63.1
Hawaii	13,282	163	4.5	64.0
Kauai	6,066	65	3.9	64.8
Maui	12,520	165	4.8	83.1
Molokai	140	2	6.2	18.2
Lanai	28	1	2.5	4.8
<b>LONG-TERM CARE 1/</b>				
State total	7,367	3,847	191	94.2
Oahu	5,271	2,381	165	93.2
Hawaii	1,144	702	224	97.6
Kauai	304	297	357	93.5
Maui	628	457	266	95.0
Molokai	1	2	730	100.0
Lanai	19	7	130	67.6

1/ Acute/SNF swing beds are now classified under acute care and are no longer under long-term care.

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2007 Data* <<http://www.state.hi.us/health/shpda/sh06toc.htm>> accessed July 10, 2009; calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 2.29-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE CHILD AND ADOLESCENT MENTAL HEALTH SERVICES: 2005 TO 2009**

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

Subject	2005	2006	2007	2008	2009
Total	2,462	2,588	2,656	2,821	2,879
Youths registered with services procured 1/					
Number	1,440	1,396	1,431	1,555	1,518
Percent	58	54	54	55	53
Mean age (years)	14.2	14.2	14.1	14	14.0
Sex (%)					
Male	65	65	66	66	66
Female	35	35	34	34	34
County					
Hawaii	609	635	669	753	812
Honolulu	931	997	1,046	1,098	991
Kauai	586	635	646	687	728
Maui	239	235	212	206	229
Special populations 2/	97	86	83	76	118
Selected services procured (%) 3/					
Out-of-home	49.0	46.8	41.4	38.8	36.9
Out-of-state	0.6	0.6	0.7	0.6	0.4
Hospital residential	6.7	5.0	5.9	6.1	5.7
Community high risk	1.2	1.1	1.0	1.0	0.9
Community residential	22.4	20.2	16.7	14.7	13.0
Theraupeutic group home 4/	13.2	12.9	10.2	7.7	7.1
Theraupeutic foster home 4/	15.6	16.9	19.1	18.1	18.0
Intensive home & community	70.5	72.4	71.9	70.4	69.8
Multi-systemic therapy	22.8	22.6	23.3	19.8	17.7
Intensive in-home	52.1	55.8	53.5	55.1	56.8
Outpatient 5/	1.7	0.7	6.1	13.6	41.1
Supportive services 6/	28.1	27.3	28.4	27.6	22.1
Crisis Stabilization	(NA)	(NA)	0.6	2.2	2.3

Continued on next page.

**Table 2.29-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE  
CHILD AND ADOLESCENT MENTAL HEALTH SERVICES:  
2005 TO 2009 -- Con.**

NA Not available.

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

2/ Non-county-specific programs to which a youth may be 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. Youths may receive multiple services, but unduplicated aggregates of services are shown in the table. Only selected service subgroups are shown.

4/ Due to the publication of the new Interagency Performance Standards and Practice Guidelines and the statewide service procurement initiative, the Child and Adolescent Mental Health service array was revised. Data reflecting this new service array is presented in the table. Figures for earlier services were mapped to the new reporting system to provide some historical continuity. But figures for the newly defined services may impact figures for the other existing services so historical data should be used with caution. For the therapeutic group home service, the earlier figure for 2007 would have been 8.2%. For the therapeutic foster home service, the earlier figure for 2007 would have been 18.3%.

5/ Includes treatment (such as medication management and functional family therapy), consultation, and assessment.

6/ Includes respite home, respite support, peer support and ancillary service.

Source: Hawaii State Department of Health, Child and Adolescent Mental Health Division, *Annual Evaluation Report Fiscal Year* (annual), *Annual Evaluation Presentation*(annual), *Fiscal Year 2009 Annual Fact Book* and records <<http://www.hawaii.gov/health/mental-health/camhd/library/pdf/rptheval/index.html>> accessed July 3, 2010.

**Table 2.30-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 1998 TO 2008**

<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>				
1998	164	141	139	283
1999	144	123	146	272
2000	164	154	141	283
2001	148	148	162	299
2002	164	182	169	320
2003	167	180	177	329
2004	171	182	178	331
2005	195	220	196	365
2006	177	176	194	349
2007 1/	192	217	202	367
2008	165	200	227	363
<b>State-supported outpatient community mental health centers</b>				
1998	3,232	816	794	3,958
1999	3,168	1,281	951	4,009
2000	3,039	1,062	1,185	3,985
2001	3,064	1,150	1,144	3,976
2002	3,156	1,158	1,126	4,043
2003	3,657	1,550	954	4,446
2004	4,378	1,969	1,184	5,347
2005	4,996	2,056	1,455	6,149
2006	5,249	1,920	1,612	6,609
2007 2/	4,073	2,540	4,108	7,998
2008 3/	3,895	2,960	3,348	7,153

1/ Revised from previous *Data Book*.

2/ Revised from previous *Data Book*. Beginning in 2007, the methodology was changed to include persons seen only for assessment or eligibility determination.

3/ 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 2.31-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:  
2003 TO 2009**

[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
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

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 during the fiscal year that data are being collected for.

3/ Includes patients on leave and absent without leave. In 2009, about 3.0 % of the patients were on leave or absent without leave.

Source: Hawaii State Hospital, records.

**Table 2.32-- HANSEN'S DISEASE PATIENTS REGISTERED: 2004 TO 2008**

<b>Subject</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Patients on register, Dec. 31	277	279	251	241	222
Department of Health, Hansen's Disease					
Community Program 1/	240	244	218	213	199
Kalaupapa	37	35	33	28	23
New cases	20	22	11	16	18
Deaths	5	3	2	2	1

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

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

**Table 2.33-- ESTIMATED USE OF ILLICIT DRUGS, FOR THE UNITED STATES AND HAWAII: 2006-2007**

[Data in this table cover a two-year period. Not comparable to data collected in 2001 or earlier years. Current users are those persons 12 years old and over who used drugs at least once within the month prior to this study. Based on national sample of respondents. State estimates were produced by combining the prevalence rate based on the state sample data and the prevalence rate based on a national regression model applied to local-area county and census block group/tract-level estimates from the state. The parameters of the regression model are estimated from the entire national sample]

<b>Geographic area</b>	<b>Any illicit drug 1/</b>	<b>Marijuana</b>	<b>Any illicit drug other than marijuana 1/</b>	<b>Cigarettes</b>	<b>Binge alcohol 2/</b>
Estimated current users (1,000)					
United States	20,107	14,631	9,442	60,807	57,181
Hawaii	78	56	29	215	240
Current users as percent of population					
United States	8.1	5.9	3.8	24.6	23.2
Hawaii	7.5	5.3	2.8	20.6	22.9

1/ Illicit drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically. Illicit drugs other than marijuana include cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically.

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

Source: U.S. Substance Abuse and Mental Health Services Administration, *National Survey on Drug Use and Health, 2006 and 2007*, as cited in *Statistical Abstract of the United States: 2010*, table 203 <<http://www.census.gov/compendia/statab/2010/tables/10s0203.xls>> accessed May 11, 2010.

**Table 2.34-- PREVALENCE OF VARIOUS SUBSTANCES WITH HAWAII STUDENTS: 2007**

[In percentages. Use of substance at least once in the student's lifetime. The sampling methodology in the 2007-2008 survey changed and so data are not comparable to earlier years shown in previous *Data Books*]

Substance	Grade			
	6th	8th	10th	12th
Any illicit drug use 1/	1.8	3.5	4.4	11.4
Marijuana use	2.4	12.0	25.6	42.2
Inhalant use	6.3	9.7	7.8	8.6
Any alcohol use	15.6	36.2	56.5	72.4
Any tobacco use	8.7	18.3	26.2	39.7
Prescription drug use	1.1	3.2	5.9	13.6

1/ Includes use of marijuana, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, ecstasy/MDMA, GHB, Rohypnol, or ketamine.

Source: Hawaii State Department of Health, Alcohol and Drug Abuse Division, *The Hawai'i Student Alcohol, Tobacco, and Other Drug Use Study: 2007-2008 Comprehensive Report*.

**Table 2.35-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS  
LICENSED IN HAWAII, BY PLACE OF ADDRESS: AUGUST 6, 2009**

[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	8,405	1,499	19,274	1,992
State of Hawaii	4,233	1,044	12,738	1,086
Hawaii	406	104	1,511	117
Maui	341	87	1,185	94
Lanai	3	1	13	-
Molokai	11	3	38	3
Oahu	3,304	810	9,389	822
Kauai	168	39	602	50
Mainland U.S.	4,099	433	6,371	902
Foreign	73	22	165	4

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://hawaii.gov/dcca/areas/pvl/main/reports/pvl\\_geo/](http://hawaii.gov/dcca/areas/pvl/main/reports/pvl_geo/)> accessed September 15, 2009; calculated by the Hawaii State Department of Business, Economic, Development & Tourism.



**Table 2.36-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2007**

[Includes establishments with payroll. Statistics based on the 2007 North American Industry Classification System (NAICS) which replaced the 2002 NAICS used in the 2002 Economic Census. The Standard Industrial Classification (SIC) system was used in Economic Censuses prior to 1997]

NAICS code	Kind of business or operation	Estab-lish-ments (num-ber)	Rec-eipts/ rev-enues (\$1,000)	Expen-ses (\$1,000)	Annual payroll (\$1,000)	Paid employ-ees for pay period including March 12 (number)
62	Health care and social assistance	3,484	6,565,022	(1/)	2,721,415	63,640
621	Ambulatory health care services 2/	2,713	2,912,379	(1/)	1,220,571	25,386
6211	Offices of physicians	1,178	1,176,892	(1/)	533,714	7,475
6212	Offices of dentists	689	450,756	(1/)	172,560	4,103
6213	Offices of other health practitioners	518	215,674	(1/)	88,523	2,979
6214	Outpatient care centers	165	569,893	(1/)	223,771	5,194
6215	Medical and diagnostic laboratories	53	222,853	(1/)	81,719	1,775
6216	Home health care services	65	120,117	(1/)	68,463	2,872
6219	Other ambulatory health care service	45	156,194	(1/)	51,821	988
622	Hospitals	27	2,614,909	(1/)	1,068,334	20,414
6221	General medical and surgical	20	2,248,138	(1/)	909,026	17,434
6222	Psychiatric and substance abuse	2	(D)	(1/)	(D)	(3/)
6223	Specialty (except psychiatric and substance abuse)	5	(D)	(1/)	(D)	(4/)
623	Nursing and residential care facilities	128	469,916	(1/)	192,023	6,475
6231	Nursing care facilities	38	293,365	(1/)	122,930	3,851
6232	Residential mental retardation, mental health and substance abuse facility	44	(D)	(1/)	(D)	(4/)
6233	Community care facilities for elderly	39	92,873	(1/)	32,800	1,393
6239	Other residential care facilities	7	(D)	(1/)	(D)	(5/)
624	Social assistance	616	567,818	(1/)	240,487	11,365
6241	Individual and family services	277	337,153	(1/)	147,915	6,905
6242	Community food and housing, and emergency & other relief services	70	83,811	(1/)	21,751	780
6243	Vocational rehabilitation services	67	63,327	(1/)	30,019	1,432
6244	Child day care services	202	83,527	(1/)	40,802	2,248

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**Table 2.36-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2007-- Con.**

NAICS code	Kind of business or operation	Estab-lishments (num-ber)	Rec-eipts/ Rev-enues (\$1,000)	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	706	3,586,410	3,486,346	1,477,279	34,617
621	Ambulatory health care services 2/	134	472,535	475,147	194,599	4,955
6214	Outpatient care centers	106	349,369	355,704	148,766	3,660
6216	Home health care services	16	(D)	(D)	(D)	(3/)
6219	Other ambulatory health care service	12	(D)	(D)	(D)	(6/)
622	Hospitals	25	(D)	(D)	(D)	(7/)
6221	General medical and surgical	18	(D)	(D)	(D)	(7/)
6222	Psychiatric and substance abuse	2	(D)	(D)	(D)	(3/)
6223	Specialty (except psychiatric and substance abuse)	5	(D)	(D)	(D)	(4/)
623	Nursing and residential care facilities	61	(D)	(D)	(D)	(8/)
6231	Nursing care facilities	7	75,165	71,149	33,636	960
6232	Residential mental retardation, mental health and substance abuse facility	41	(D)	(D)	(D)	(4/)
6233	Community care facilities for elderly	7	(D)	(D)	(D)	(3/)
6239	Other residential care facilities	6	(D)	(D)	(D)	(9/)
624	Social assistance	486	(D)	(D)	(D)	(10/)
6241	Individual and family services	199	244,230	226,589	108,082	4,115
6242	Community food and housing, and emergency & other relief services	62	(D)	(D)	(D)	(3/)
6243	Vocational rehabilitation services	53	(D)	(D)	(D)	(3/)
6244	Child day care services	172	70,872	64,802	34,808	1,974

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**Table 2.36-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2007-- Con.**

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

1/ Not available or not comparable.

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

3/ 500 to 999 employees.

4/ 1,000 to 2,499 employees.

5/ 100 to 249 employees.

6/ 250 to 499 employees.

7/ 10,000 to 24,999 employees.

8/ 2,500 to 4,999 employees.

9/ 20 to 99 employees.

10/ 5,000 to 9,999 employees.

Source: U.S. Census Bureau, 2007 Economic Census, Sector 62: Health Care and Social Assistance, Geographic Area Series, EC0762A1: Summary Statistics for the U.S, States, Metro and Micro Areas, Metro Divisions, Consolidated Cities, Counties and Place

<[http://factfinder.census.gov/servlet/IBQTable?\\_bm=y&-filter=OPTAX;in;A,Y&-sortkey2=&-defOrder=Y&-sortkey1=&-sortkey0=&-ds\\_name=EC0762A1&-NAICS2007=62|621|6211|6212|6213|6214|6215|6216|6219|622|6221|6222|6223|623|6231|6232|6233|6239|624|6241|6242|6243|6244&-ib\\_type=NAICS2007&-NAICS2007sector=\\*4&-geo\\_id=04000US15&-dataitem=GEO\\_ID\\$|NAICS2007|NAICS2007\\$|OPTAX\\$|FOOTID|ESTAB|RCPTOT|OPEX|PAYANN|EMP&-search\\_results=ALL&-\\_lang=en&-fds\\_name=EC0700A1](http://factfinder.census.gov/servlet/IBQTable?_bm=y&-filter=OPTAX;in;A,Y&-sortkey2=&-defOrder=Y&-sortkey1=&-sortkey0=&-ds_name=EC0762A1&-NAICS2007=62|621|6211|6212|6213|6214|6215|6216|6219|622|6221|6222|6223|623|6231|6232|6233|6239|624|6241|6242|6243|6244&-ib_type=NAICS2007&-NAICS2007sector=*4&-geo_id=04000US15&-dataitem=GEO_ID$|NAICS2007|NAICS2007$|OPTAX$|FOOTID|ESTAB|RCPTOT|OPEX|PAYANN|EMP&-search_results=ALL&-_lang=en&-fds_name=EC0700A1)> accessed June 9, 2010.

**Table 2.37-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), FOR COUNTIES AND SELECTED URBAN PLACES : 2007**

[Includes establishments with payroll. Statistics based on the 2007 North American Industry Classification System (NAICS) which replaced the 2002 NAICS used in the 2002 Economic Census. The Standard Industrial Classification (SIC) system was used in Economic Censuses prior to 1997]

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees for pay period including March 12 (number)</b>
State total	3,484	6,565,022	2,721,415	63,640
Hawaii County	452	623,349	271,831	7,285
Hilo	221	348,459	154,055	4,211
Holualoa	16	11,356	4,462	87
Kailua	64	65,983	24,057	750
Kalaoa	4	1,345	413	9
Waimea	26	61,807	26,470	581
Balance of Hawaii County	121	134,399	62,374	1,647
Honolulu County	2,473	5,055,422	2,047,884	47,727
Ahuimanu	2	(D)	(D)	(1/)
Aiea	53	24,942	9,438	278
Ewa Beach	19	(D)	(D)	(2/)
Halawa	14	12,281	4,574	176
Honolulu	1,580	3,781,423	1,507,091	33,853
Kailua	133	88,334	40,918	1,090
Kaneohe	98	163,167	77,511	1,917
Kaneohe Station	1	(D)	(D)	(3/)
Maili	2	(D)	(D)	(3/)
Makaha	9	9,793	4,609	183
Makakilo City	6	(D)	(D)	(1/)
Mililani Town	33	26,411	11,896	290
Nanakuli	9	9,835	4,418	96
Pearl City	39	49,302	20,691	477
Schofield Barracks	2	(D)	(D)	(1/)
Village Park	3	1,053	421	27
Wahiawa	41	76,389	31,704	860

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**Table 2.37-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS (NAICS 62), FOR COUNTIES AND SELECTED URBAN PLACES : 2007-- Con.**

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees for pay period including March 12 (number)</b>
Honolulu County (con.)				
Waianae	26	59,623	31,969	742
Waimalu	136	243,930	92,540	1,829
Waipahu	83	72,305	28,146	855
Waipio	10	(D)	(D)	(4/)
Balance of Honolulu County	174	391,651	160,941	4,542
Kauai County	172	266,450	119,652	2,729
Kapaa	23	18,669	12,397	237
Lihue	64	162,984	74,228	1,737
Balance of Kauai County	85	84,797	33,027	755
Maui County	387	619,801	282,048	5,899
Haiku-Pauwela	7	2,319	699	16
Kahului	96	159,272	64,950	1,529
Kihei	39	31,602	11,764	385
Lahaina	19	16,499	6,232	140
Makawao	13	6,262	2,793	84
Napili-Honokowai	7	(D)	(D)	(1/)
Pukalani	10	(D)	(D)	(1/)
Wailea-Makena	3	(D)	(D)	(3/)
Wailuku	121	343,298	169,115	2,990
Island of Lana'i	8	4,514	1,583	43
Island of Moloka'i 5/	25	18,879	8,289	304
Balance of Maui County	39	(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/ 100 to 249 employees.

3/ 0 to 19 employees.

4/ 250 to 499 employees.

5/ For statistical reasons, data for the island of Molokai may also include an unknown number of businesses physically located in the small portion of Molokai that is actually in Kalawao County.

Source: U.S. Census Bureau, 2007 Economic Census, Health Care and Social Assistance, Geographic Area Series, EC0762A1: Summary Statistics for the U.S, States, Metro and Micro Areas, Metro Divisions, Consolidated Cities, Counties and Place

<[http://factfinder.census.gov/servlet/EconSectorServlet?caller=dataset&sv\\_name=\\*&\\_SectorId=62&ds\\_name=EC0700A1&\\_lang=en&\\_ts=295189347264](http://factfinder.census.gov/servlet/EconSectorServlet?caller=dataset&sv_name=*&_SectorId=62&ds_name=EC0700A1&_lang=en&_ts=295189347264)> accessed June 9, 2010.

**Table 2.38-- MARRIAGES AND DIVORCES: 2000 TO 2008**

[Place of occurrence basis]

Calendar year	Marriages		Divorces and annulments 2/	Rates per 1,000 resident population 3/		Percent of marriages	
	Total	Resident 1/		Resident marriages	Divorces, annulments 2/	Nonresident 4/	Inter-racial 5/
2000	25,376	9,217	4,716	7.6	3.9	63.7	43.4
2001	24,477	9,126	4,857	7.5	4.0	62.7	6/ 55.7
2002	25,795	8,914	4,798	7.3	3.9	65.4	6/ 56.0
2003	27,495	9,354	(7/)	7.5	(X)	66.0	6/ 55.5
2004	28,843	9,225	(7/)	7.4	(X)	68.0	6/ 56.0
2005	29,272	9,358	(7/)	7.4	(X)	68.0	6/ 54.7
2006	28,681	9,300	(7/)	7.3	(X)	67.6	6/ 53.7
2007	27,346	9,401	(7/)	7.4	(X)	65.6	6/ 55.1
2008	25,464	9,643	(7/)	7.5	(X)	62.1	6/ 54.1

X Not applicable.

1/ One or both partners are residents of Hawaii.

2/ Final decrees only.

3/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 23, 2009. Rates for 2000 and beyond may differ from previous *Data Books* due to revisions to these population figures. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

4/ Both partners are nonresidents of Hawaii.

5/ 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.

6/ 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.

7/ 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, Population Division "Table 1: Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2009" (NST-EST2009-01) (December 23, 2009) <<http://www.census.gov/popest/states/tables/NST-EST2009-01.xls>> accessed December 23, 2009; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.39-- 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 2.40-- CHARACTERISTICS OF MARRIAGES: 2005 TO 2008**

[Place of occurrence basis]

<b>Subject</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>MARRIAGES</b>				
Number	29,272	28,681	27,346	25,464
Percent on Oahu	43.9	44.8	46.0	48.9
Percent Hawaii residents:				
Both bride and groom	28.8	28.9	31.0	33.7
One partner only	3.2	3.5	3.4	4.2
Neither bride nor groom	68.0	67.6	65.6	62.1
Not reported 1/	0.0	0.0	0.0	0.0
Median age (years):				
Groom	33	33	33	33
Bride	31	31	31	30
Percent previously married:				
Groom	37.6	37.1	37.1	35.9
Bride	37.7	36.6	36.8	34.9

1/ Couples where the residence of one or more partners is unknown.

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



**Table 2.41-- MARRIAGES, RESIDENT AND NONRESIDENT, BY RACE MIXTURE AND TYPE OF CEREMONY: 2008**

[Place of occurrence basis]

<b>Race mixture and type of ceremony</b>	<b>Total</b>	<b>At least one partner Hawaii resident</b>	<b>Both partners nonresidents</b>
All marriages	25,464	9,643	15,821
Race of partners			
Both partners same race 1/	15,579	3,928	11,651
Different race 2/	7,106	4,625	2,481
Percent different race 3/	31.3	54.1	17.6
Not reported 4/	2,779	1,090	1,689
Type of ceremony			
Civil ceremony	21,573	6,263	15,310
Religious ceremony	3,891	3,380	511

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

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

3/ Based on number reporting

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

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

**Table 2.42-- MARITAL DISSOLUTION: 1990 TO 2008**

[Place of residence basis]

Subject	1990	2000	2008	Percent		
				1990	2000	2008
Married couples	210,468	216,077	1/ 224,330	100.0	100.0	100.0
Marriages ended 2/	8,292	8,365	(NA)	3.9	3.9	(X)
By divorce 2/	5,172	4,707	(3/)	2.5	2.2	(X)
By death	3,120	3,658	3,736	1.5	1.7	1.7
Husbands	2,234	2,574	2,645	1.1	1.2	1.2
Wives	886	1,084	1,091	0.4	0.5	0.5

NA Not available.

X Not applicable.

1/ Estimate. The degree of uncertainty for an estimate is represented through the use of a confidence interval. For the number of married-couples, the lower bound of the 90 percent confidence interval is 219,499 while the upper bound is 229,161.

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. Bureau of the Census, *1990 Census of Population*, 1990 CP-1-13, table 30; U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002) and the American Community Survey, "Hawaii Selected Social Characteristics: 2008" (September 2009) <[http://factfinder.census.gov/servlet/ADPTable?\\_bm=y&-geo\\_id=04000US15&-context=adp&-ds\\_name=ACS\\_2008\\_1YR\\_G00\\_&-tree\\_id=308&-lang=en&-caller=geoselect&-format=>](http://factfinder.census.gov/servlet/ADPTable?_bm=y&-geo_id=04000US15&-context=adp&-ds_name=ACS_2008_1YR_G00_&-tree_id=308&-lang=en&-caller=geoselect&-format=>) accessed May 17, 2010.