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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 2002 Economic Census. Long-term trends are traced in *Historical Statistics of Hawaii*, Section 2. Sections 2 and 3 of the *Statistical Abstract of the United States: 2009* contain data for the nation as a whole.

**Table 2.01-- BIRTHS AND DEATHS: 1990 TO 2007**

[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

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, 2008" (NST-EST2008-01) (December 22, 2008) <<http://www.census.gov/popest/states/tables/NST-EST2008-01.xls>> accessed December 22, 2008; calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 2003 TO 2007**

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births:						
2003	18,141	-	18,141	3,013	15,128	3,013
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
Deaths:						
2003	9,179	33	9,146	56	9,090	89
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
Birth rates: 2/						
2003	13.5	0	13.9	56.4	12.1	3/ 30.9
2004	13.4	0	3/ 13.7	52.1	3/ 12.0	3/ 32.5
2005	12.9	0	13.3	46.8	11.8	3/ 27.5
2006	13.6	0	14.0	61.8	12.1	3/ 34.6
2007	13.7	0	14.0	50.8	12.3	32.1
Death rates: 2/						
2003	6.8	0.8	7.0	1.0	7.3	0.9
2004	6.8	3/ 1.2	3/ 6.9	1.0	7.2	3/ 1.1
2005	6.7	3/ 1.3	6.9	1.0	7.2	1.1
2006	6.9	3/ 1.0	7.1	1.0	7.3	1.0
2007	6.9	0.9	7.0	1.0	7.3	1.0

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 22, 2008 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, 2008" (NST-EST2008-01) (December 22, 2008) <<http://www.census.gov/popest/states/tables/NST-EST2008-01.xls>> accessed December 22, 2008; Hawaii State Department of Business, Economic Development & Tourism, *State of Hawaii Data Book 2007*, 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 2007**

[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

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, 2008" (NST-EST2008-01) (December 22, 2008) <<http://www.census.gov/popest/states/tables/NST-EST2008-01.xls>> accessed December 22, 2008; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 2003 TO 2007**

[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	-
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

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: 2005 TO 2007**

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

<b>Subject</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Number of resident births	17,882	18,927	19,085
City and County of Honolulu	12,949	13,683	13,534
Percent on Oahu	72.4	72.3	70.9
Hawaii County	2,297	2,376	2,529
Kauai County	727	841	869
Maui County (incl. Kalawao)	1,909	2,027	2,153
Percent attended by M.D. or D.O. in hospital	94.2	93.7	93.5
Males per 100 females	107.3	108.1	106.3
Median weight of single births (grams)	3,289	3,289	3,289
Percent low birth weight (under 2,500 grams)	8.2	8.0	8.0
Percent single births under 40 weeks gestation	68.3	68.8	68.0
Percent plural	2.8	3.0	2.7
Percent with 1 or more congenital malformations	4.8	5.5	7.3
Percent to unmarried mothers	36.3	36.2	37.1
Percent with prenatal visit in first three months	79.1	79.0	77.9
Percent first child born to mother 1/	29.7	31.5	30.9
Percent first child born alive to mother	40.3	41.6	40.9
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: 2006**

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

Type of rate	United States	Hawaii	Rank 1/
Birth rate 2/ Fertility rate 4/	14.2 68.5	14.8 73.9	3/ 16 13

1/ Among 50 States and D.C., highest rate ranking 1.

2/ Per 1,000 estimated population.

3/ Tied with two other states.

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

Source: U.S. National Center for Health Statistics, as cited in *Statistical Abstract of the United States: 2009*, table 81 <<http://www.census.gov/compendia/statab/tables/09s0081.xls>> accessed January 15, 2009.

**Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE,  
BY MILITARY STATUS OF PARENT: 2007**

[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	19,085	7,576	10,619	890	58.4
Military	3,021	2,030	929	62	31.4
Civilian	14,678	5,511	9,151	16	62.4
Status not reported	1,386	35	539	812	93.9

1/ Includes births in which the ethnicity of the father is different from the ethnicity of the mother or births in which the father or the mother are of two or more ethnicities. Includes births in which both parents were "Part Hawaiian" or both parents were "Other race". 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: 2007**

[Place of occurrence basis. A total of 9,317 first names, including variant spellings, was reported for the 19,153 babies born in Hawaii in 2007]

Boys' names			Girls' names		
Rank	Name	Number	Rank	Name	Number
1	Noah	101	1	Sophia	59
2	Ethan	84	2	Ava	52
3	Joshua	75	3	Chloe	51
4	Isaiah	66	4	Isabella	49
5	Dylan	61	5	Emma	48
5	Jacob	61	6	Madison	42
5	Logan	61	7	Mia	40
8	Elijah	60	8	Maya	39
9	Jayden	56	9	Hailey	36
10	Daniel	53	10	Emily	34
10	Tyler	53	10	Olivia	34

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

**Table 2.09-- MOST COMMON SURNAMES ON BIRTH AND DEATH  
CERTIFICATES: 2007**

Birth certificates			Death certificates		
Rank	Surname	Births	Rank	Surname	Deaths
1	Lee	77	1	Lee	67
2	Smith	66	2	Wong	50
3	Williams	55	3	Ching	37
4	Johnson	49	3	Kim	37
4	Nguyen	49	3	Nakamura	37
6	Wong	46	6	Higa	32
7	Jones	45	6	Young	32
8	Brown	44	8	Chun	29
9	Silva	43	8	Tanaka	29
10	Ramos	41	10	Smith	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**

[In years]

<b>Year</b>	<b>All races</b>	<b>Caucasian</b>	<b>Chinese</b>	<b>Filipino</b>	<b>Hawaiian and Part- Hawaiian</b>	<b>Japanese</b>	<b>Other</b>
1910	43.96	54.83	54.17	(NA)	32.58	49.34	15.62
1920	45.69	56.45	53.80	28.12	33.56	50.54	28.38
1930	53.95	61.90	60.07	46.14	41.87	60.07	32.58
1940	62.00	64.03	65.32	56.85	51.78	66.28	59.48
1950	69.53	69.21	69.74	69.05	62.45	72.58	68.29
1960	72.42	72.80	74.12	71.53	64.60	75.68	62.19
1970	74.20	73.24	76.11	72.61	67.62	77.44	76.74
1980	77.78	75.79	81.65	79.32	71.83	80.91	78.98
1990	78.85	75.53	82.93	78.94	74.27	82.06	80.37

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.

**Table 2.11-- EXPECTATION OF LIFE AT BIRTH, BY SEX, FOR THE UNITED STATES AND HAWAII: 1900 TO 2005**

[Average expectation of life in years]

Year of birth	United States 1/			Hawaii		
	Both sexes	Male	Female	Both sexes	Male	Female
1900	47.3	46.3	48.3	(NA)	(NA)	(NA)
1910	50.0	48.4	51.8	43.96	44.04	43.83
1920	54.1	53.6	54.6	45.69	45.64	45.75
1930	59.7	58.1	61.6	53.95	52.70	55.86
1940	62.9	60.8	65.2	62.00	59.92	64.86
1950	68.2	65.6	71.1	69.53	67.77	71.67
1960	69.7	66.6	73.1	72.42	70.39	74.75
1970	70.8	67.1	74.7	74.20	72.12	76.44
1980	73.7	70.0	77.4	77.78	74.54	81.51
1990	75.4	71.8	78.8	78.85	75.90	82.06
2000	77.0	74.3	79.7	79.80	77.10	82.50
2001	77.2	74.4	79.8	(NA)	(NA)	(NA)
2002	77.3	74.5	79.9	(NA)	(NA)	(NA)
2003	77.4	74.7	80.0	(NA)	(NA)	(NA)
2004	77.8	75.2	80.4	(NA)	(NA)	(NA)
2005	77.8	75.2	80.4	(NA)	(NA)	(NA)

NA Not available.

1/ 1910 and 1920 data are for the death-registration states only.

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; 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, 2006*, Table 27 (February 2007) <<http://www.cdc.gov/nchs/data/hus/06.pdf#027>> accessed July 5, 2007, *Health, United States, 2007*, Table 27 (November 2007) <<http://www.cdc.gov/nchs/data/07.pdf#027>> accessed May 23, 2008; and *Health, United States, 2008*, Table 26 (March 2009) <<http://www.cdc.gov/nchs/08.htm>> accessed June 22, 2009.

**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* (January 2008), Appendix tables A-27 and A-28 <[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 2.16-- CHARACTERISTICS OF RESIDENT DEATHS: 2005 TO 2007**

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

Subject	2005	2006	2007
Number of resident deaths	8,988	9,290	9,314
City and County of Honolulu	6,366	6,530	6,462
Hawaii County	1,227	1,367	1,347
Kauai County	486	491	496
Maui County (incl. Kalawao)	909	902	1,009
Males per 100 females	120.3	119.3	118.7
Median age (years)	78	78	79
Centenarian deaths: Male	20	33	34
Female	52	73	56
Oldest (age in years): Male	103	105	106
Female	111	106	107
Percent married	41.6	41.4	41.1
Deaths under 1 year	114	107	118
Per 1,000 live births	6.4	5.7	6.2
Fetal deaths 1/	4,421	4,292	4,646
Per 1,000 deliveries	198	185	196
Fetal deaths, 20 or more weeks gestation 2/	141	141	187
Per 1,000 live births	7.9	7.4	9.8
Standard fetal deaths 3/	897	827	942
Elective abortions	3,524	3,465	3,704
Per 1,000 live births	197.1	183.1	194.1

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: 2007**

[Place of residence basis]

Causes of death 1/	Both sexes	Males 2/	Females
Total deaths	9,314	5,056	4,258
Malignant neoplasm 3/	2,169	1,218	951
Stomach	88	51	37
Colon, rectum and anus	230	136	94
Pancreas	153	83	70
Trachea, bronchus and lung	532	327	205
Breast (Female)	130	-	130
Cervix uteri, corpus uteri and ovary	97	-	97
Prostate	106	106	-
Urinary tract	95	59	36
Non-Hodgkin's lymphoma	87	56	31
Leukemia	67	41	26
Other malignant neoplasms	584	359	225
Diabetes mellitus	287	156	131
Alzheimer's disease	244	91	153
Diseases of the heart	2,186	1,255	931
Hypertensive heart disease	72	30	42
Ischemic heart disease	1,155	706	449
Other forms of heart disease	959	519	440
Hypertension	102	46	56
Cerebrovascular disease	633	293	340
Atherosclerosis	15	6	9
Other circulatory system diseases	86	46	40
Influenza/pneumonia	195	120	75
Chronic lower respiratory diseases	296	153	143
Peptic Ulcer	16	7	9
Chronic liver disease and cirrhosis	106	76	30
Nephritis and nephrosis	174	104	70
Perinatal conditions	68	39	29
Congenital anomalies	27	16	11
Sudden Infant Death Syndrome	5	5	-
Symptoms and ill-defined conditions	169	68	101
Other diseases 4/	1,855	879	976
Motor vehicle accidents	131	97	34
All other and unspecified accidents and adverse effects	334	221	113
Intentional self-harm (suicide)	129	98	31
Assault (homicide)	21	13	8
All other external causes	66	49	17

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, 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 2009**

[Complete through June 15, 2009]

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 2009**

[Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through June 15, 2009]

<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 2007**

[Place of occurrence basis]

<b>Method</b>	<b>1980</b>	<b>1990</b>	<b>2000</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
All methods	5,204	7,055	8,511	9,330	9,622	9,627
Burial	2,343	2,798	2,767	2,667	2,648	2,597
Cremation	2,241	3,564	5,092	5,964	6,292	6,372
Removal	567	656	591	634	591	580
Entombment	44	35	19	8	15	11
Medical science	-	-	40	55	68	64
Other	1	-	-	1	2	1
Unknown	8	2	2	1	6	2

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

**Table 2.21-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTY,  
2002 TO 2008, AND BY LEVEL OF VISUAL IMPAIRMENT, 2008**

[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					
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
LEVEL OF VISUAL IMPAIRMENT: 2008					
Total	3,519	2,675	424	147	273
Blind 2/	3,220	2,465	374	129	252
Visually impaired 3/	299	210	50	18	21

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

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

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

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



**Table 2.22-- SELECTED CHRONIC CONDITIONS: 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: 2003 TO 2007**

[2007 data reported as of December 2008; earlier data not updated]

Disease	2003	2004	2005	2006	2007
Cases: 1/					
AIDS	120	139	115	91	96
Campylobacteriosis	651	684	558	587	531
E. coli 0157:H7	9	10	13	19	40
Fish poisoning 2/	142	70	80	63	40
Giardiasis	94	80	63	58	80
Gonorrhea	1,264	1,194	1,024	885	658
Hansen's Disease 3/	15	20	22	11	15
Hepatitis A	14	27	24	12	8
Hepatitis B (Acute)	22	11	10	8	18
Influenza 4/	916	389	860	1,104	603
Leptospirosis 5/	23	37	26	25	30
Malaria 6/	6	4	18	9	2
Measles (Rubeola) 6/	22	3	2	-	2
Meningitis, bacterial	14	9	12	10	10
Mumps 7/	13	9	18	6	2
Pertussis (whooping cough) 4/	11	30	147	87	19
Pneumococcal disease	142	103	90	115	111
Rubella 6/	1	-	-	-	-
Salmonellosis	230	375	290	265	313
Shigellosis	46	49	35	45	72
Syphilis (Primary & Secondary)	14	8	11	12	9
Tuberculosis	117	116	112	115	122
Deaths: 8/					
AIDS	20	23	18	17	21
Hansen's Disease	-	(9/)	-	-	(9/)
Hepatitis A	-	-	-	(9/)	-
Hepatitis B (Acute)	(9/)	10	6	6	(9/)
Influenza	(9/)	(9/)	(9/)	(9/)	(9/)
Leptospirosis	-	-	(9/)	-	-
Meningitis, bacterial	-	-	(9/)	(9/)	-
Pneumococcal disease	(9/)	(9/)	(9/)	(9/)	(9/)
Salmonellosis	-	(9/)	-	(9/)	(9/)
Shigellosis	-	-	-	-	-
Syphilis	(9/)	-	-	-	-
Tuberculosis	(9/)	(9/)	(9/)	(9/)	(9/)

Continued on next page.

**Table 2.23--SPECIFIED COMMUNICABLE DISEASES: 2003 TO 2007 -- 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: 2005 TO 2008**

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

Risk factor 1/	2005	2006	2007	2008
Seatbelt non-use	(NA)	0.6 (0.4-1.0)	(NA)	0.7 ( 0.4- 1.1)
Binge drinking 2/	16.5 (15.2-17.9)	17.5 (16.2-19.0)	18.5 (17.0-20.0)	17.6 (16.1-19.1)
Drinking and driving 3/	(NA)	6.8	(NA)	4.6
High cholesterol	34.6 (32.8-36.3)	(NA)	36.3 (34.7-38.1)	(NA)
Hypertension 4/	24.9	(NA)	29.5	(NA)
Lack of exercise 5/	19.5 (18.2-20.8)	19.3 (18.0-20.6)	18.0 (16.8-19.4)	19.6 (18.2-21.0)
Poor nutrition 6/	75.5	(NA)	71.2	(NA)
Diabetes 7/	8.0	8.9	8.6	8.8
Asthma 8/	14.1 (13.0-15.4)	15.9 (14.6-17.3)	13.9 (12.7-15.2)	16.1 (14.8-17.5)
Current smokers	17.0 (15.8-18.4)	17.5 (16.3-18.9)	17.0 (15.7-18.4)	15.4 (14.1-16.8)
Overweight 9/	33.3 (31.7-34.9)	35.5 (33.9-37.1)	35.1 (33.5-36.7)	34.2 (32.6-35.9)
Obese 10/	19.7 (18.3-21.2)	20.6 (19.2-22.0)	21.7 (20.3-23.2)	23.1 (21.7-24.7)

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/ 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/ Overweight. 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://www.hawaii.gov/health/statistics/brfss/index.html>> accessed June 16, 2009.

**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 2006**

[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	64	21	44	15	446	19
Oahu	43	10	27	13	372	18
Hawaii	8	5	7	-	47	-
Kauai	6	3	5	-	14	1
Maui	4	1	3	1	10	-
Molokai	2	1	1	1	3	-
Lanai	1	1	1	-	-	-
<b>NUMBER OF LICENSED BEDS 5/</b>						
State total	7,233	2,523	3,940	770	2,106	339
Oahu	5,233	1,976	2,518	739	1,776	329
Hawaii	942	246	696	-	208	-
Kauai	423	105	318	-	59	10
Maui	590	179	396	15	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 2006 Data* <<http://www.state.hi.us/health/shpda/sh06t4.pdf>> accessed October 28, 2008; Office of Health Care Assurance, records; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.28-- 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 2.29-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLAND: 2006**

[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	109,752	1,709	5.7	67.7
Oahu	77,460	1,309	6.2	66.3
Hawaii	13,310	167	4.6	67.9
Kauai	6,388	81	4.6	77.3
Maui	12,419	150	4.4	83.5
Molokai	146	2	4.6	14.1
Lanai	29	1	2.5	4.9
<b>LONG-TERM CARE 1/</b>				
State total	6,749	3,744	202	95.0
Oahu	4,956	2,374	175	94.3
Hawaii	1,041	681	239	97.8
Kauai	129	305	863	96.0
Maui	612	373	223	94.2
Molokai	1	2	730	100.0
Lanai	10	10	348	95.2

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 2006 Data* <<http://www.state.hi.us/health/shpda/sh06toc.htm>> accessed October 28, 2008; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.30-- 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 2.31-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE CHILD AND ADOLESCENT MENTAL HEALTH SERVICES: 2004 TO 2008**

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

Subject	2004	2005	2006	2007	2008
Total	2,447	2,462	2,588	2,656	2,821
Youths registered with services procured 1/ Number	1,337	1,440	1,396	1,431	1,555
Percent	55	58	54	54	55
Sex (%)					
Male	67	65	65	66	66
Female	33	35	35	34	34
County					
Hawaii	551	609	635	669	753
Honolulu	832	931	997	1,046	1,098
Kauai	630	586	635	646	687
Maui	246	239	235	212	206
Special populations 2/	188	97	86	83	76
Selected services procured (%) 3/					
Out-of-home	52.7	49.0	46.8	41.4	38.8
Out-of-state	0.7	0.6	0.6	0.7	0.6
Hospital residential	5.8	6.7	5.0	5.9	6.1
Community high risk	1.0	1.2	1.1	1.0	1.0
Community residential	24.3	22.4	20.2	16.7	14.7
Therapeutic group home 4/	13.0	13.2	12.9	10.2	7.7
Therapeutic foster home 4/	14.9	15.6	16.9	19.1	18.1
Intensive home & community	69.0	70.5	72.4	71.9	70.4
Multi-systemic therapy	21.6	22.8	22.6	23.3	19.8
Intensive in-home	52.1	52.1	55.8	53.5	55.1
Outpatient 5/	2.2	1.7	0.7	6.1	13.6
Supportive services 6/	31.2	28.1	27.3	28.4	27.6
Crisis Stabilization	(NA)	(NA)	(NA)	0.6	2.2

Continued on next page.

**Table 2.31-- CHARACTERISTICS OF YOUTHS REGISTERED FOR STATE  
CHILD AND ADOLESCENT MENTAL HEALTH SERVICES:  
2004 TO 2008 -- 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) accessed June 13, 2009, Annual Evaluation Presentation (annual) and records <<http://www.hawaii.gov/health/mental-health/camhd/library/pdf/rpteval/index.html>> accessed June 13, 2009.

**Table 2.32-- 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 2.33-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:  
2003 TO 2008**

[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

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 2008, about 2.4 % of the patients were on leave or absent without leave.

Source: Hawaii State Hospital, records.

**Table 2.34-- HANSEN'S DISEASE PATIENTS REGISTERED: 2003 TO 2007**

<b>Subject</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Patients on register, Dec. 31	283	277	279	251	242
Department of Health, Hansen's Disease					
Community Program 1/	245	240	244	218	213
Kalaupapa	38	37	35	33	28
New cases	15	20	22	11	16
Deaths	1	5	3	2	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 2.35-- ESTIMATED USE OF ILLICIT DRUGS, FOR THE UNITED STATES AND HAWAII: 2005-2006**

[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	20,040	14,720	9,289	61,044	55,835
Hawaii	83	57	34	203	221
Current users as percent of population					
United States	8.2	6.0	3.8	25.0	22.8
Hawaii	8.0	5.5	3.3	19.6	21.4

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, 2005 and 2006*, as cited in *Statistical Abstract of the United States: 2009*, table 200 <<http://www.census.gov/compendia/statab/tables/09s0200.xls>> accessed January 15, 2009.



**Table 2.36-- PREVALENCE OF VARIOUS SUBSTANCES WITH  
HAWAII STUDENTS: 1991 TO 2003**

[In percentages. Use of substance at least once in the student's lifetime]

<b>Substance</b>	<b>1991</b>	<b>1993</b>	<b>1996</b>	<b>1998</b>	<b>2000</b>	<b>2002</b>	<b>2003</b>	<b>2002- 2003 % change</b>
Any illicit drug, include inhalants 1/								
6th grade	9.2	12.4	13.4	13.7	8.3	9.5	7.5	-2.0
8th grade	21.6	27.3	29.6	26.3	23.3	22.0	19.2	-2.8
10th grade	33.5	38.7	41.3	42.9	36.9	40.4	35.1	-5.3
12th grade	39.3	42.0	47.7	50.3	48.4	49.4	46.9	-2.5
Any illicit drug, exclude inhalants 2/								
6th grade	0.0	0.0	6.4	6.6	4.2	5.2	4.3	-0.9
8th grade	0.0	0.0	23.0	20.9	18.5	18.2	14.3	-3.9
10th grade	0.0	0.0	37.8	40.7	35.2	38.6	32.7	-5.9
12th grade	0.0	0.0	45.9	48.9	47.8	48.5	46.1	-2.4
Marijuana								
6th grade	1.7	2.4	5.1	4.9	2.4	2.6	1.5	-1.1
8th grade	12.3	16.7	21.5	19.2	15.9	15.9	12.1	-3.8
10th grade	25.7	31.4	36.5	39.2	33.2	35.8	30.5	-5.3
12th grade	34.3	37.1	44.7	47.7	45.8	46.2	44.4	-1.8
Inhalants								
6th grade	7.2	9.4	9.7	10.1	5.3	5.6	4.2	-1.4
8th grade	12.7	16.6	15.2	12.5	9.9	9.1	9.0	-0.1
10th grade	14.2	15.6	11.2	10.2	7.0	8.4	7.9	-0.5
12th grade	10.2	12.0	7.9	8.1	5.7	7.3	8.8	1.5
Cocaine								
6th grade	0.7	1.0	1.9	2.0	0.4	0.4	0.5	0.1
8th grade	3.4	4.0	5.3	4.2	2.2	2.1	1.2	-0.9
10th grade	6.4	7.2	5.8	5.3	3.5	3.1	3.0	-0.1
12th grade	9.1	8.2	7.9	6.0	5.8	4.5	4.5	0.0
Methamphetamine 3/								
6th grade	1.0	1.3	1.4	1.8	0.5	0.4	0.2	-0.2
8th grade	4.3	4.9	4.4	4.6	2.3	2.0	0.9	-1.1
10th grade	7.0	7.8	5.9	6.7	4.5	4.2	2.7	-1.5
12th grade	8.9	8.4	7.5	7.7	5.8	5.3	4.2	-1.1
Heroin & Other Opiate								
6th grade	0.6	0.8	1.3	1.4	0.2	0.3	0.2	-0.1
8th grade	2.4	2.7	3.4	2.7	1.2	1.0	0.7	-0.3
10th grade	4.1	4.1	1.9	2.3	1.3	1.3	1.1	-0.2
12th grade	4.6	5.1	2.7	2.0	1.8	1.4	1.7	0.3

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**Table 2.36-- PREVALENCE OF VARIOUS SUBSTANCES WITH  
HAWAII STUDENTS: 1991 TO 2003-- Con.**

<b>Substance</b>	<b>1991</b>	<b>1993</b>	<b>1996</b>	<b>1998</b>	<b>2000</b>	<b>2002</b>	<b>2003</b>	<b>2002- 2003 % change</b>
Steroids								
6th grade	2.2	1.9	1.5	2.0	1.3	2.0	1.6	-0.4
8th grade	3.1	3.1	2.8	2.6	2.2	2.1	1.8	-0.3
10th grade	3.8	3.7	2.2	2.1	1.7	2.6	2.2	-0.4
12th grade	3.5	3.3	2.4	1.6	1.8	2.8	2.4	-0.4
Any alcohol use								
6th grade	31.1	34.9	29.8	31.6	24.2	20.0	13.2	-6.8
8th grade	55.8	57.4	54.0	52.6	49.2	42.5	36.8	-5.7
10th grade	72.9	73.3	73.4	72.3	67.1	64.7	59.1	-5.6
12th grade	79.8	79.2	79.7	81.2	77.2	75.4	72.5	-2.9
Any tobacco use								
6th grade	0.0	0.0	24.2	22.2	12.7	10.5	7.2	-3.3
8th grade	0.0	0.0	46.6	44.1	37.2	28.2	23.1	-5.1
10th grade	0.0	0.0	58.4	58.0	50.5	43.2	36.7	-6.5
12th grade	0.0	0.0	64.7	63.6	60.0	50.5	46.1	-4.4

1/ Includes use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ecstasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

2/ Includes all of the substances listed in footnote 1 except for inhalants.

3/ Commonly known as "Ice".

Source: Hawaii State Department of Health, Alcohol and Drug Abuse Division, *The 2003 Hawaii Student Alcohol, Tobacco and Other Drug Use Study (1987-2003)*, *Hawaii Adolescent Prevention and Treatment Needs Assessment*, (2004), <<http://www.hawaii.gov/health/substance-abuse/prevention-treatment/survey/report2003/fullreports/index.html>> accessed May 6, 2005.

**Table 2.37-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS  
LICENSED IN HAWAII, BY PLACE OF ADDRESS: JULY 30, 2008**

[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	7,855	1,457	17,266	1,827
State of Hawaii	4,083	1,025	11,854	1,017
Hawaii	395	102	1,398	105
Maui	332	85	1,106	92
Lanai	3	1	11	-
Molokai	13	3	30	3
Oahu	3,176	796	8,751	769
Kauai	164	38	558	48
Mainland U.S.	3,706	409	5,234	807
Foreign	66	23	178	3

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 August 18, 2008; calculated by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2002**

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

NAICS code	Kind of business or operation	Estab-lish-ments (num-ber)	Re-ceipts/ 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	3,256	4,686,323	(1/)	1,983,971	56,169
621	Ambulatory health care services 2/	2,533	2,058,065	(1/)	885,166	20,709
6211	Offices of physicians	1,149	852,781	(1/)	413,551	6,615
6212	Offices of dentists	693	350,176	(1/)	129,675	3,595
6213	Offices of other health practitioners	468	156,440	(1/)	59,665	2,310
6214	Outpatient care centers	106	393,909	(1/)	162,261	4,166
6215	Medical and diagnostic laboratories	36	151,388	(1/)	58,821	1,459
6216	Home health care services	50	88,751	(1/)	43,238	2,071
6219	Other ambulatory health care service	31	64,620	(1/)	17,955	493
622	Hospitals	29	1,885,677	(1/)	766,702	19,413
6221	General medical and surgical	23	1,638,655	(1/)	646,004	16,580
6222	Psychiatric and substance abuse	2	(D)	(1/)	(D)	(3/)
6223	Specialty (except psychiatric and substance abuse)	4	(D)	(1/)	(D)	(4/)
623	Nursing and residential care facilities	114	321,606	(1/)	152,542	6,206
6231	Nursing care facilities	41	215,919	(1/)	104,374	4,066
6232	Residential mental retardation, mental health and substance abuse facility	39	54,749	(1/)	28,839	1,180
6233	Community care facilities for elderly	24	43,722	(1/)	15,338	749
6239	Other residential care facilities	10	7,216	(1/)	3,991	211
624	Social assistance	580	420,975	(1/)	179,561	9,841
6241	Individual and family services	248	242,965	(1/)	108,766	5,945
6242	Community food and housing, and emergency & other relief services	68	67,903	(1/)	20,829	937
6243	Vocational rehabilitation services	56	58,700	(1/)	24,773	1,272
6244	Child day care services	208	51,407	(1/)	25,193	1,687

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**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2002-- Con.**

NAICS code	Kind of business or operation	Estab-lish-ments (num-ber)	Re-ceipts/ 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	679	2,811,014	2,851,234	1,173,454	36,192
621	Ambulatory health care services 2/	87	395,149	351,096	169,629	4,816
6214	Outpatient care centers	67	335,540	301,074	140,148	3,691
6216	Home health care services	15	44,172	34,862	23,446	916
6219	Other ambulatory health care service	5	15,437	15,160	6,035	209
622	Hospitals	29	1,885,677	2,002,596	766,702	19,413
6221	General medical and surgical	23	1,638,655	1,756,967	646,004	16,580
6222	Psychiatric and substance abuse	2	(D)	(D)	(D)	(3/)
6223	Specialty (except psychiatric and substance abuse)	4	(D)	(D)	(D)	(4/)
623	Nursing and residential care facilities	62	146,662	138,594	72,174	2,860
6231	Nursing care facilities	10	65,396	61,646	31,787	1,131
6232	Residential mental retardation, mental health and substance abuse facility	37	(D)	(D)	(D)	(4/)
6233	Community care facilities for elderly	6	(D)	(D)	(D)	(5/)
6239	Other residential care facilities	9	(D)	(D)	(D)	(6/)
624	Social assistance	501	383,526	358,948	164,949	9,103
6241	Individual and family services	217	226,335	213,953	103,881	5,673
6242	Community food and housing, and emergency & other relief services	67	(D)	(D)	(D)	(3/)
6243	Vocational rehabilitation services	42	42,605	38,674	17,312	959
6244	Child day care services	175	(D)	(D)	(D)	(4/)

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**Table 2.38-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), BY KIND OF BUSINESS OR OPERATION: 2002-- 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/ 250 to 499 employees.

6/ 100 to 249 employees.

Source: U.S. Census Bureau, 2002 Economic Census, *Health Care and Social Assistance, Geographic Area Series, Hawaii*, EC02-62A-HI (February 2005), table 1

<<http://www.census.gov/prod/ec02/ec0262ahi.pdf>> accessed March 1, 2005.

**Table 2.39-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), FOR COUNTY AND SELECTED URBAN PLACE: 2002**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to 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	3,256	4,686,323	1,983,971	56,169
Hawaii County	446	455,289	188,823	5,934
Captain Cook	3	2,074	1,223	44
Hilo	223	246,826	105,668	3,527
Kailua	64	47,168	14,567	469
Kalaoa	5	1,017	347	14
Waikoloa Village	6	1,891	1,226	29
Waimea	20	42,295	16,494	384
Honolulu County	2,319	3,633,087	1,535,041	42,783
Aiea	50	21,350	8,440	302
Hauula	7	3,149	1,319	49
Honolulu	1,527	2,744,795	1,168,555	31,905
Kailua	131	66,824	29,042	855
Kaneohe	88	113,467	58,935	1,843
Laie	3	1,010	488	13
Makaha	7	7,542	3,989	159
Mililani Town	31	26,185	10,782	279
Pearl City	39	33,230	12,752	428
Wahiawa	44	62,529	27,464	874
Waianae	23	42,315	17,547	599
Waimalu	119	159,048	58,880	1,336
Waipahu	72	44,196	20,102	493
Kauai County	155	170,439	81,812	2,333
Kapaa	22	13,763	7,148	233
Lihue	51	111,594	53,497	1,422

Continued on next page.

**Table 2.39-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS  
(NAICS 62), FOR COUNTY AND SELECTED URBAN PLACE: 2002-- 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>
Maui County	336	427,508	178,295	5,119
Kahului	84	123,700	54,961	1,419
Kaunakakai	14	24,989	10,703	464
Kihei	34	20,278	8,551	274
Lahaina	22	13,138	4,733	126
Pukalani	15	5,025	1,987	63
Wailuku	110	211,217	82,715	2,220

Source: U.S. Census Bureau, 2002 Economic Census, *Health Care and Social Assistance, Geographic Area Series, Hawaii*, EC02-62A-HI (February 2005), tables 1, 3, and 4  
<<http://www.census.gov/prod/ec02/ec0262ahi.pdf>> accessed March 1, 2005.



**Table 2.40-- MARRIAGES AND DIVORCES: 2000 TO 2007**

[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/)	7.6	(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

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. 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.

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, 2008" (NST-EST2008-01) (December 22, 2008) <<http://www.census.gov/popest/states/tables/NST-EST2008-01.xls>> accessed December 22, 2008; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.41-- 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 2.42-- CHARACTERISTICS OF MARRIAGES: 2004 TO 2007**

[Place of occurrence basis]

<b>Subject</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
MARRIAGES				
Number	28,843	29,272	28,681	27,346
Percent on Oahu	42.5	43.9	44.8	46.0
Percent Hawaii residents:				
Both bride and groom	29.1	28.8	28.9	31.0
One partner only	2.9	3.2	3.5	3.4
Neither bride nor groom	68.0	68.0	67.6	65.6
Not reported 1/	0.0	0.0	0.0	0.0
Median age (years):				
Groom	33	33	33	33
Bride	31	31	31	31
Percent previously married:				
Groom	38.2	37.6	37.1	37.1
Bride	38.1	37.7	36.6	36.8

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 2.43-- MARRIAGES, RESIDENT AND NONRESIDENT, BY RACE MIXTURE AND TYPE OF CEREMONY: 2007**

[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	27,346	9,401	17,945
Race of partners			
Both partners same race 1/	17,220	3,816	13,404
Different race 2/	7,374	4,687	2,687
Percent different race 3/	30.0	55.1	16.7
Not reported 4/	2,752	898	1,854
Type of ceremony			
Civil ceremony	3,598	3,056	542
Religious ceremony	23,748	6,345	17,403

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 2.44-- MARITAL DISSOLUTION: 1990 TO 2007**

[Place of residence basis]

Subject	1990	2000	2007	Percent		
				1990	2000	2007
Married couples	210,468	216,077	1/ 227,109	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	3,829	1.5	1.7	1.7
Husbands	2,234	2,574	2,680	1.1	1.2	1.2
Wives	886	1,084	1,149	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 221,842 while the upper bound is 232,376.

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: 2007" (September 2008) <[http://factfinder.census.gov/servlet/ADPTable?\\_bm=y&-geo\\_id=04000US15&-context=adp&-ds\\_name=ACS\\_2007\\_1YR\\_G00\\_&-tree\\_id=307&-\\_lang=en&-\\_caller=geoselect&-format=>](http://factfinder.census.gov/servlet/ADPTable?_bm=y&-geo_id=04000US15&-context=adp&-ds_name=ACS_2007_1YR_G00_&-tree_id=307&-_lang=en&-_caller=geoselect&-format=>) accessed March 9, 2009.