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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: 2006* contain data for the nation as a whole.

Table 2.01-- BIRTHS AND DEATHS: 1980 TO 2004

[Place of occurrence basis]

Calendar 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/
1980	18,129	4,903	18.7	5.1	175.6	15.3	10.8
1981	18,174	4,927	18.6	5.0	181.8	13.1	10.5
1982	18,675	5,123	18.8	5.2	186.3	12.7	8.9
1983	19,090	5,409	18.8	5.3	197.8	11.4	10.0
1984	18,667	5,571	18.2	5.4	191.8	9.5	10.9
1985	18,267	5,751	17.6	5.5	201.3	9.7	9.1
1986	18,253	5,788	17.4	5.5	203.9	11.0	9.2
1987	18,555	6,149	17.4	5.8	213.7	9.2	8.8
1988	18,937	5,970	17.5	5.5	223.3	10.8	7.4
1989	19,335	6,381	17.7	5.8	239.0	9.9	8.4
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	14.4	6.7	322.7	9.5	7.8
2001	17,043	8,252	13.9	6.8	330.7	11.4	6.2
2002	17,444	8,650	14.1	7.0	337.2	10.2	7.0
2003	18,066	8,850	14.5	7.1	335.3	10.6	7.6
2004	18,238	8,888	14.5	7.0	345.0	8.7	5.5

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 22, 2005. 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; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 2000 TO 2004

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births:						
2000	17,638	-	17,638	2,779	14,859	2,779
2001	17,129	-	17,129	2,800	14,329	2,800
2002	17,514	-	17,514	2,886	14,628	2,886
2003	18,141	-	18,141	3,013	15,128	3,013
2004	18,296	-	18,296	2,972	15,324	2,972
Deaths:						
2000	8,511	45	8,466	2/ 46	2/ 8,420	2/ 91
2001	8,609	47	8,562	2/ 55	2/ 8,507	2/ 102
2002	8,986	33	8,953	51	8,902	84
2003	9,179	33	9,146	56	9,090	89
2004	9,252	42	9,210	59	9,151	101
Birth rates: 3/						
2000	13.2	0	13.6	62.4	11.9	32.6
2001	12.8	0	13.3	52.9	11.6	29.4
2002	13.0	0	13.4	58.8	11.7	31.1
2003	13.4	0	13.8	56.4	12.0	30.8
2004	13.3	0	13.8	52.1	12.0	28.9
Death rates: 3/						
2000	6.4	1.1	6.5	1.0	6.7	2/ 1.1
2001	6.5	1.1	6.6	1.0	6.9	2/ 1.1
2002	6.7	0.8	6.9	1.0	7.1	0.9
2003	6.8	0.7	7.0	1.0	7.2	0.9
2004	6.7	0.9	6.9	1.0	7.2	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/ Revised from previous *Data Book*.

3/ 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, 2005 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.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; U.S. Census Bureau, Population Division, Table NST EST2005-01 - Annual Estimates of the Population for the United States and States, and for Puerto Rico: April 1, 2000 to July 1, 2005 (December 22, 2005) <<http://www.census.gov/popest/states/tables/NST-EST2005-01.xls>> accessed January 3, 2006; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.03-- LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 1999 TO 2004

[Place of residence basis]

Calendar year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rates per 1,000 resident population 1/			
1999	22,266	18.4	17,032	903	4,331
2000	22,240	18.3	17,514	825	3,901
2001	21,764	17.8	17,043	759	3,962
2002	22,172	18.0	17,444	831	3,897
2003	22,509	18.0	18,066	862	3,581
2004	22,564	17.9	18,238	884	3,442

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 22, 2005. 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; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 2001 TO 2004

[Place of occurrence basis]

Event and year	Total	Resident 1/	Nonresident	Not reported
Births:				
2001	17,129	17,043	84	2
2002	17,514	17,444	67	3
2003	18,141	18,066	73	2
2004	18,296	18,238	57	1
Deaths:				
2001	8,609	8,252	350	7
2002	8,986	8,650	330	6
2003	9,179	8,850	318	11
2004	9,252	8,888	352	12

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: 2002 TO 2004

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

Subject	2002	2003	2004
Number of resident births	17,444	18,066	18,238
City and County of Honolulu	12,844	13,219	13,288
Percent on Oahu	73.6	73.2	72.9
Hawaii County	2,010	2,150	2,230
Kauai County	731	814	825
Maui County (incl. Kalawao)	1,859	1,883	1,895
Percent attended by M.D. or D.O. in hospital	94.9	94.8	94.8
Males per 100 females	110.9	109.9	104.9
Median weight of single births (grams)	3,290	3,289	3,291
Percent low birth weight (under 2,500 grams)	8.3	8.6	7.9
Percent single births under 40 weeks gestation	66.3	65.8	68.5
Percent plural	3.0	2.9	2.9
Percent with 1 or more congenital malformations	5.1	4.8	3.6
Percent to unmarried mothers	33.7	33.6	34.5
Percent with prenatal visit in first three months	82.0	80.4	79.0
Percent first child born to mother 1/	30.8	30.4	29.5
Percent first child born alive to mother	41.1	40.7	39.9
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: 2003

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

Type of rate	United States	Hawaii	Rank 1/
Births per 1,000 estimated population	14.1	14.4	2/ 15
Fertility rate 3/	66.1	72.3	6

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

2/ Tied with three other states.

3/ Births per 1,000 women aged 15 to 44 estimated.

Source: U.S. National Center for Health Statistics, as cited in *Statistical Abstract of the United States: 2006*, table 76 <<http://www.census.gov/prod/2005pubs/06statab/vitstat.pdf>> accessed January 3, 2006.

**Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE,
BY MILITARY STATUS OF PARENTS: 2004**

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

Military status of parents	Total births	Unmixed	Mixed 1/	Not reported 2/	Percent mixed 3/
Total	18,238	7,023	10,205	1,010	59.2
Military	2,967	1,822	1,082	63	37.3
Civilian	13,773	5,199	8,564	10	62.2
Status not reported	1,498	2	559	937	99.6

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: 2004**

[A total of 8,327 first names, including variant spellings, was reported for the 18,296 babies born in Hawaii in 2004]

Boys' names			Girls' names		
Rank	Name	Number	Rank	Name	Number
1	Joshua	113	1	Emma	59
2	Noah	98	2	Isabella	54
3	Ethan	86	3	Emily	53
4	Elijah	78	4	Kayla	52
4	Jacob	78	5	Madison	44
6	Matthew	77	6	Taylor	42
7	Michael	72	7	Mia	41
8	Tyler	71	8	Chloe	40
9	Dylan	63	9	Alexis	39
10	Micah	57	9	Alyssa	39
			9	Hannah	39

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

**Table 2.09-- MOST COMMON SURNAMES ON BIRTH AND DEATH
CERTIFICATES: 2004**

Birth certificates			Death certificates		
Rank	Surname	Births	Rank	Surname	Deaths
1	Lee	76	1	Lee	76
2	Smith	72	2	Nakamura	51
3	Kim	57	2	Wong	51
4	Wong	53	4	Kim	36
5	Brown	50	5	Chang	35
6	Silva	45	5	Chun	35
7	Williams	40	7	Young	34
8	Chang	39	8	Yamamoto	32
8	Jones	39	9	Higa	30
8	Miller	39	9	Smith	30

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]

Year	All races	Caucasian	Chinese	Filipino	Hawaiian and Part- Hawaiian	Japanese	Other
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 2003

[Average expectation of life in years]

Year	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	76.9	74.1	79.5	79.80	77.10	82.50
2002	77.3	74.5	79.9	(NA)	(NA)	(NA)
2003	77.5	74.8	80.1	(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, "United States Life Tables, 2000", *National Vital Statistics Reports*, Vol. 51, No. 3, December 19, 2002, table 12

<http://www.cdc.gov/nchs/products/pubs/pubd/nvsr/51/51_03.htm> accessed August 15, 2003; Vol. 53, No. 6, November 10, 2004 table 12 <http://www.cdc.gov/nchs/data/dvs/nvsr53_06t12.pdf> accessed April 20, 2005; Vol. 54, No. 14, April 19, 2006 table A <http://www.cdc.gov/nchs/data/nvsr/nvsr54/nvsr54_14.pdf> accessed June 8, 2006; and Table 2 "Average Life Expectancy at Birth by State for 2000 and Ratio of Estimates and Projections of Deaths: 2001 to 2003" (April 21, 2005) <<http://www.census.gov/population/projections/MethTab2.xls>> accessed June 6, 2006.

Table 2.12-- 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 2.13-- 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 2.14-- CHARACTERISTICS OF RESIDENT DEATHS: 2002 TO 2004

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

Subject	2002	2003	2004
Number of resident deaths	8,650	8,850	8,888
City and County of Honolulu	6,116	6,300	6,314
Hawaii County	1,262	1,255	1,222
Kauai County	420	438	463
Maui County (incl. Kalawao)	852	857	889
Males per 100 females	122.3	125.5	122.8
Median age (years)	78	78	78
Centenarian deaths: Male	21	23	22
Female	61	69	68
Oldest (age in years): Male	108	104	105
Female	108	113	109
Percent married	42.6	43.1	42.2
Deaths under 1 year	119	131	97
Per 1,000 live births	6.8	7.3	5.3
Fetal deaths 1/	4,728	4,443	4,326
Per 1,000 deliveries	213	197	192
Fetal deaths, 20 or more weeks gestation 2/	174	185	153
Per 1,000 live births	10.0	10.2	8.4
Standard fetal deaths 3/	831	862	884
Elective abortions	3,897	3,581	3,442
Per 1,000 live births	223.4	198.2	188.7

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 2.15-- CAUSES OF DEATH, BY SEX: 2004

[Place of residence basis]

Causes of death 1/	Both sexes	Males 2/	Females
Total deaths	8,888	4,900	3,988
Malignant neoplasm 3/	2,054	1,154	900
Stomach	89	61	28
Colon, rectum and anus	196	116	80
Pancreas	166	83	83
Trachea, bronchus and lung	518	307	211
Breast	114	-	114
Cervix uteri, corpus uteri and ovary	96	-	96
Prostate	113	113	-
Urinary tract	71	44	27
Non-Hodgkin's lymphoma	73	39	34
Leukemia	61	44	17
Other malignant neoplasms	557	347	210
Diabetes mellitus	191	98	93
Alzheimer's disease	170	60	110
Diseases of the heart	2,415	1,398	1,017
Hypertensive heart disease	69	35	34
Ischemic heart disease	1,305	795	510
Other forms of heart disease	1,041	568	473
Hypertension	103	43	60
Cerebrovascular disease	698	339	359
Atherosclerosis	14	9	5
Other circulatory system diseases	91	48	43
Influenza/pneumonia	235	134	101
Chronic lower respiratory diseases	305	181	124
Peptic Ulcer	16	10	6
Chronic liver disease and cirrhosis	84	53	31
Nephritis and nephrosis	163	87	76
Perinatal conditions	57	35	22
Congenital anomalies	41	18	23
Symptoms and ill-defined conditions	152	64	88
Other diseases 4/	1,524	761	763
Motor vehicle accidents	138	98	40
All other and unspecified accidents and adverse effects	245	166	79
Intentional self-harm (suicide)	115	89	26
Assault (homicide)	29	23	6
All other external causes	48	32	16

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, Pregnancy, Childbirth and Puerperium, and Sudden Infant Death Syndrome.

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

**Table 2.16-- GREATEST CATASTROPHIC MORTALITY OF RECORD,
BY TYPE OF DISASTER: 1778 TO 2006**

[Complete through June 6, 2006]

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 2.17-- CATASTROPHIC MORTALITY: 1994 TO 2006

[Revised from previous *Data Book*. Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through April 10, 2006]

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

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 2.18-- DEATHS BY METHOD OF DISPOSITION:
1980 TO 2004**

[Place of occurrence basis]

Method	1980	1990	2000	2002	2003	2004
All methods	5,204	7,055	8,511	8,986	9,179	9,252
Burial	2,343	2,798	2,767	2,770	2,800	2,696
Cremation	2,241	3,564	5,092	5,505	5,778	5,900
Removal	567	656	591	641	540	599
Entombment	44	35	19	21	11	7
Medical science	-	-	40	46	47	49
Other	1	-	-	-	-	-
Unknown	8	2	2	3	3	1

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

**Table 2.19-- PERSONS ON THE STATE BLIND REGISTER, BY
COUNTY: 2001 TO 2005**

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
2001: June 30	2,674	2,029	302	112	231
2002: June 30 1/	2,896	2,176	347	119	254
2003: June 30	3,077	2,325	361	132	259
2004: June 30	3,154	2,394	371	128	261
2005: June 30	3,229	2,462	388	133	246

1/ Figures for June 30, 2002 reflect administrative efforts to review the database. Therefore, differences between 2001 and 2002 are mainly due to these administrative efforts to register previously served but unregistered persons.

Source: Hawaii State Department of Human Services, Services for the Blind Branch, records.

Table 2.20-- SELECTED CHRONIC CONDITIONS: 2005

[Excludes persons in institutions, military barracks, households without telephones, the homeless, and Ni`ihau. Sample survey consisted of 19,309 people. Data were provisionally weighted based on the Census 2000 data]

Selected chronic conditions 1/	Prevalence of condition	Conditions per 1,000 persons 2/
Diabetes	74,800	60
Hypertension	201,981	162
High blood cholesterol	111,047	89
Asthma	122,808	99
Arthritis	104,938	84

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 2.21-- SPECIFIED COMMUNICABLE DISEASES: 2000 TO 2004

[2004 data reported as of December 2005; earlier data not updated]

Disease	2000	2001	2002	2003	2004
Cases: 1/					
AIDS	108	133	134	120	139
Campylobacteriosis	834	755	890	651	684
E. coli 0157:H7	14	22	37	9	10
Fish poisoning 2/	92	126	120	142	70
Giardiasis	105	118	91	94	80
Gonorrhea	446	605	747	1,264	1,194
Hansen's Disease 3/	15	24	11	15	20
Hepatitis A	22	17	25	14	27
Hepatitis B (Acute)	15	22	12	22	11
Influenza 4/	503	980	708	916	389
Leptospirosis 5/	23	21	36	23	37
Malaria 6/	10	13	9	6	4
Measles (Rubeola) 6/	6	8	4	22	3
Meningitis, bacterial	8	13	9	14	9
Mumps 7/	23	42	21	13	9
Pertussis (whooping cough) 4/	41	42	30	11	30
Pneumococcal disease	160	120	128	142	103
Rubella 6/	-	3	-	1	-
Salmonellosis	237	356	268	230	375
Shigellosis	38	59	72	46	49
Syphilis (Primary & Secondary)	2	12	11	14	8
Tuberculosis	136	151	148	117	116
Deaths: 8/					
AIDS	27	25	25	20	23
Hansen's Disease	-	-	-	-	<5
Hepatitis A	<5	-	-	-	-
Hepatitis B (Acute)	7	5	<5	<5	10
Influenza	<5	-	<5	<5	<5
Meningitis, bacterial	-	-	<5	-	-
Pneumococcal disease	<5	<5	<5	<5	<5
Salmonellosis	<5	-	-	-	<5
Shigellosis	-	-	<5	-	-
Syphilis	-	-	-	<5	-
Tuberculosis	<5	6	<5	<5	<5

Continued on next page.

Table 2.21--SPECIFIED COMMUNICABLE DISEASES: 2000 TO 2004 -- 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, leptospirosis, malaria, measles (rubeola), mumps, pertussis, or rubella. No data were available for deaths caused by *E. coli* 0157:H7.

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

**Table 2.22-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR
PERSONS 18 YEARS AND OLDER: 2002 TO 2005**

[Weighted percent of adults who reported the health risk behaviors or conditions]

Risk factor 1/	2002	2003	2004	2005 2/
Seatbelt non-use	0.8	(NA)	(NA)	(NA)
Binge drinking 3/	11.9	13.3	18.6	16.5 (15.2-17.9)
Drinking and driving	6.3	(NA)	4.7	(NA)
High cholesterol	(NA)	27.0	(NA)	34.6 (32.8-36.3)
Hypertension 4/	(NA)	23.2	(NA)	24.9
Lack of exercise 5/	16.1	18.3	20.7	19.5 (18.2-20.8)
Poor nutrition 6/	79.6	72.5	66.2	75.5
Diabetes 7/	7.2	8.5	8.8	8.0
Asthma 8/	13.4	11.6	15.0	14.1 (13.0-15.4)
Current smokers	21.0	17.2	17.2	17.0 (15.8-18.4)
Overweight 9/	53.1	50.0	31.9	33.3 (31.7-34.9)
Obese 10/	17.1	16.4	20.9	19.7 (18.3-21.2)

NA Not available.

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

2/ 95% confidence interval in parenthesis, when available.

3/ Five or more alcoholic beverages on at least one occasion in the past month.

4/ High blood pressure. Includes high blood pressure during pregnancy.

5/ Physically inactive. No leisure-time physical activity reported during the past month.

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

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

8/ In 2002, percent told by doctor that they have asthma. In 2003 and 2004, percent 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 2, 2006.

Table 2.23-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES AND CARE HOMES, BY TYPE OF FACILITY: 1999 TO 2004

[Excludes Tripler Army Medical Center]

Category and year	Facilities				Care homes	
	Total 1/	Acute care	Long-term care	Specialty care	Type I 2/	Type II 3/
Number of facilities:						
1999	77	24	47	28	538	13
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
Number of licensed beds: 4/						
1999	7,681	2,616	4,000	1,065	2,509	365
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

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

2/ Five beds or fewer.

3/ Six beds or more.

4/ 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 1999 Data* (September 2000), *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 May 1, 2006 and revised tables; Office of Health Care Assurance, records; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.24-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES: 1999 TO 2004

[Excludes Tripler Army Medical Center]

Type of facility and year	Admissions	Average daily census	Average length of stay (days)	Average daily percent occupancy
Acute care:				
1999	100,105	1,641	6.0	62.7
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
Long-term care:				
1999	5,866	3,721	232	93.0
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	7,662	3,887	185	91.8

Source: State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1999 Data* (September 2000); *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 May 1, 2006 and revised tables; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN FACILITIES AND CARE HOMES, BY TYPE OF FACILITY, BY ISLAND: DECEMBER 2004

[Excludes Tripler Army Medical Center]

Category and island	Facilities				Care homes	
	Total 1/	Acute care	Long-term care	Specialty care	Type I 2/	Type II 3/
NUMBER OF FACILITIES						
State total	72	22	48	21	480	19
Oahu	48	11	29	17	400	17
Hawaii	9	4	8	-	49	-
Kauai	6	3	5	-	15	1
Maui	6	2	4	3	13	-
Molokai	2	1	1	1	3	1
Lanai	1	1	1	-	-	-
NUMBER OF LICENSED BEDS 4/						
State total	7,612	2,464	4,234	914	2,250	381
Oahu	5,425	1,932	2,650	843	1,897	355
Hawaii	969	238	731	-	215	-
Kauai	429	95	334	-	63	10
Maui	731	187	487	57	60	-
Molokai	44	8	22	14	15	16
Lanai	14	4	10	-	-	-

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

2/ Five beds or fewer.

3/ More than five beds.

4/ 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 2004 Data* (February 2006)

<<http://www.hawaii.gov/health/shpda/sh04toc.htm>> accessed May 1, 2006; 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, BY ISLAND: 2004**

[Excludes Tripler Army Medical Center]

Type of facility and island	Admissions	Average daily census	Average length of stay (days)	Average daily percent occupancy
ACUTE CARE				
State total	113,066	1,636	5.3	66.4
Oahu	80,947	1,261	5.7	65.3
Hawaii	13,006	157	4.4	65.9
Kauai	6,443	68	3.8	71.2
Maui	12,464	149	4.4	79.7
Molokai	175	1	2.1	12.8
Lanai	31	1	2.5	5.4
LONG-TERM CARE				
State total	7,662	3,887	185	91.8
Oahu	5,260	2,477	172	93.5
Hawaii	1,417	693	179	94.8
Kauai	216	249	421	74.6
Maui	756	452	218	92.8
Molokai	7	6	304	26.5
Lanai	6	9	576	94.7

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2004 Data* (February 2006)
<<http://www.hawaii.gov/health/shpda/sh04toc.htm>> accessed May 1, 2006; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.27-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 1995 TO 2005

Facilities and year	Persons active, Dec. 31	Admissions	Discharges	Persons served
Hawaii State Hospital:				
1995 1/	172	107	123	295
1996	164	102	110	274
1997	163	100	101	264
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
State-supported outpatient community mental health centers:				
1995	2,798	804	866	3,664
1996	2,867	818	749	3,616
1997	3,024	804	647	3,671
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

1/ Prior to 1995, a patient's administrative leave for treatment at a facility outside Hawaii State Hospital was counted as a discharge when the patient left, then counted as an admission when the patient returned to the Hawaii State Hospital. From 1995, this type of patient leave was handled as an internal transfer.

Source: Hawaii State Department of Health, Adult Mental Health Division, records.

**Table 2.28-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:
2001 TO 2005**

[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
2001	168	183	88	158	157
2002	168	169	93	152	137
2003	168	184	101	167	174
2004	178	184	92	171	169
2005	178	182	80	172	181

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 2005, about 2.3% of the patients were on leave or absent without leave.

Source: Hawaii State Hospital, records.

Table 2.29-- HANSEN'S DISEASE PATIENTS REGISTERED: 2000 TO 2004

Subject	2000	2001	2002	2003	2004
Patients on register, Dec. 31	321	316	289	283	277
Department of Health's Hansen's Disease Community Program 1/ Kalaupapa	274	272	247	245	240
	47	44	42	38	37
New cases	15	24	11	15	20
Deaths	3	1	2	1	5

1/ Previously categorized as "at home". Patients are registered to this community program, but reside at home.

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

Table 2.30-- STATE EXPENDITURES ON SUBSTANCE ABUSE: 1998

Subject	State spending (mil. dol.)	Spending related to substance abuse	
		Amount (mil. dol.)	Per capita (dollars)
Total State budget	5,100	(NA)	(NA)
Substance abuse	438	(NA)	(NA)
Affected programs	3,523	429	361
Justice	180	148	124
Education (elementary, secondary)	710	83	70
Health	308	78	66
Child and family assistance	174	49	41
Mental health, developmentally disabled	134	63	53
Public safety	4	1	1
State workforce	2,014	7	6
Regulation and compliance	0.09	0.09	0.1
Prevention, treatment, and research	9	9	7
Total 1/	438	438	368

NA Not available.

1/ The national expenditure by states was \$81.3 billion, or \$299 per capita. The Hawaii per capita expenditure (\$368) ranked seventh among the 47 states providing data.

Source: National Center on Addiction and Substance Abuse, Columbia University, as reported in The Honolulu Star-Bulletin (January 29, 2001) <<http://starbulletin.com/2001/01/29/news/story3.html>>.

Table 2.31-- ESTIMATED USE OF ILLICIT DRUGS, FOR THE UNITED STATES AND HAWAII: 2002-2003

[Data in this table cover a two-year period. Not comparable to previous 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]

Geographic area	Any illicit drug 1/	Marijuana	Any illicit drug other than marijuana 1/	Cigarettes	Binge alcohol 2/
Estimated current users (1,000)					
United States	19,497	14,612	8,813	60,777	53,782
Hawaii	88	69	34	217	234
Current users as percent of population					
United States	8.2	6.2	3.7	25.7	22.7
Hawaii	8.9	6.9	3.5	22.0	23.7

1/ Any illicit drug indicates use at least once of marijuana/hashish, cocaine (including crack), inhalants, hallucinogens (including PCP and LSD), heroin, or any prescription-type psychotherapeutic used nonmedically. Any illicit drug other than marijuana indicates use at least once of any of these listed drugs, regardless of marijuana/hashish use; marijuana/hashish users who also have used any of the other listed drugs are included.

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

Source: U.S. Substance Abuse and Mental Health Services Administration, *National Household Survey on Drug Use and Health*, annual, as cited in *Statistical Abstract of the United States: 2006*, table 195 <<http://www.census.gov/prod/2005pubs/06statab/health.pdf>> accessed January 3, 2006.

**Table 2.32-- PREVALENCE OF VARIOUS SUBSTANCES WITH
HAWAII STUDENTS: 1991 TO 2003**

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

Substance	1991	1993	1996	1998	2000	2002	2003	2002-2003 % change
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	-	-	6.4	6.6	4.2	5.2	4.3	-0.9
8th grade	-	-	23.0	20.9	18.5	18.2	14.3	-3.9
10th grade	-	-	37.8	40.7	35.2	38.6	32.7	-5.9
12th grade	-	-	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 2.32-- PREVALENCE OF VARIOUS SUBSTANCES WITH
HAWAII STUDENTS: 1991 TO 2003-- Con.**

Substance	1991	1993	1996	1998	2000	2002	2003	2002- 2003 % change
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	-	-	24.2	22.2	12.7	10.5	7.2	-3.3
8th grade	-	-	46.6	44.1	37.2	28.2	23.1	-5.1
10th grade	-	-	58.4	58.0	50.5	43.2	36.7	-6.5
12th grade	-	-	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 2.33-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS
LICENSED IN HAWAII, BY PLACE OF ADDRESS: OCTOBER 14, 2005**

[Excludes inactive licenses]

Place of address	Physicians and surgeons 1/	Dentists	Registered nurses	Pharmacists
Total licensed	7,073	1,379	13,829	1,714
State of Hawaii	3,616	1,026	10,519	983
Hawaii	338	100	1,220	100
Maui	277	82	963	86
Lanai	2	-	11	-
Molokai	10	3	26	2
Oahu	2,852	804	7,817	748
Kauai	137	37	482	47
Mainland U.S.	3,394	336	3,177	724
Foreign	63	17	133	7

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, records.

**Table 2.34-- 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)	Rec-eipts/ rev-enues (\$1,000)	Exp-en-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 2.34-- 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)	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	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 2.34-- 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 2.35-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), FOR COUNTIES AND SELECTED URBAN PLACES : 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]

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
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

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**Table 2.35-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
(NAICS 62), FOR COUNTIES AND SELECTED URBAN PLACES : 2002-- Con.**

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
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 2.36-- MARRIAGES AND DIVORCES: 1990 TO 2004

[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/
1990	18,306	10,407	5,179	9.3	4.7	43.1	45.9
1991	17,764	10,051	5,184	8.8	4.6	43.4	43.9
1992	17,725	10,049	5,040	8.7	4.4	43.3	44.3
1993	17,252	9,744	4,888	8.3	4.2	43.5	44.1
1994	18,118	9,317	4,993	7.8	4.2	48.6	44.5
1995	18,669	9,277	5,505	7.8	4.6	50.3	45.0
1996	19,589	9,003	4,903	7.5	4.1	54.0	45.6
1997	19,901	8,878	4,877	7.3	4.0	55.5	44.8
1998	20,974	8,746	4,914	7.2	4.0	58.3	46.3
1999	23,067	9,222	4,620	7.6	3.8	60.0	44.2
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	7.2	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/)	7.3	(X)	68.0	6/ 56.0

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, 2005. 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; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.37-- MARRIAGE AND DIVORCE RATES BASED ON RISK
POPULATION: 1910 TO 2000**

Census 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 2.38-- CHARACTERISTICS OF MARRIAGES AND DIVORCES:
2001 TO 2004**

[Place of occurrence basis]

Subject	2001	2002	2003	2004
MARRIAGES				
Number	24,477	25,795	27,495	28,843
Percent on Oahu	44.1	43.4	42.8	42.5
Percent Hawaii residents:				
Both bride and groom	34.1	31.3	30.5	29.1
One partner only	3.2	3.2	3.6	2.9
Neither bride nor groom	62.7	65.4	66.0	68.0
Not reported 1/	-	-	-	-
Median age (years):				
Groom	33	33	33	33
Bride	31	31	31	31
Percent previously married:				
Groom	38.3	38.0	37.8	38.2
Bride	38.7	38.6	38.8	38.1
DIVORCES AND ANNULMENTS				
Number	4,857	4,798	(2/)	(2/)
Divorces	4,845	4,790	(2/)	(2/)
Annulments	12	8	(2/)	(2/)
Not reported	-	-	(2/)	(2/)
Percent occurring on Oahu	74.2	74.2	(2/)	(2/)
Percent Hawaii residents:				
Both partners	75.0	74.8	(2/)	(2/)
One partner only	23.5	23.5	(2/)	(2/)
Neither partner	<0.1	<0.1	(2/)	(2/)
Not reported 1/	1.5	1.6	(2/)	(2/)
Median age (years):				
Husband	38	39	(2/)	(2/)
Wife	36	36	(2/)	(2/)
Percent interracial	3/ 49.4	3/ 49.1	(2/)	(2/)
Percent with children under 18 years	50.6	49.1	(2/)	(2/)
Median years married	7.5	7.6	(2/)	(2/)

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

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

3/ Definition of "interracial" divorces for this table was changed beginning in 2001. From 2001, divorces where either the husband or wife are "Part Hawaiian" were classified as "interracial" and divorces where the husband or wife were "Other race" were classified as "Unknown". In the years prior to 2001, divorces in which both the husband and wife were "Part Hawaiian" or "Other race" were classified as non-interracial. For 2001, the percent of "interracial" divorces would have been 43.8 if the definition for the years prior to 2001 was used. Percentage based on number reporting.

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

**Table 2.39-- MARRIAGES, RESIDENT AND NONRESIDENT, BY RACE
MIXTURE AND TYPE OF CEREMONY: 2004**

[Place of occurrence basis]

Race mixture and type of ceremony	Total	At least one partner Hawaii resident	Both partners nonresidents
All marriages	28,843	9,225	19,618
Race of partners			
Both partners same race 1/	18,796	3,746	15,050
Different race 2/	7,540	4,760	2,780
Percent different race 3/	28.6	56.0	15.6
Not reported 4/	2,507	719	1,788
Type of ceremony			
Civil ceremony	3,677	3,048	629
Religious ceremony	25,163	6,175	18,988
Unknown	3	2	1

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 2.40-- MARITAL DISSOLUTION: 1990 TO 2004

[Place of residence basis]

Subject	1990	2000	2004	Percent		
				1990	2000	2004
Married couples	210,468	216,077	1/ 223,999	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	3,751	1.5	1.7	1.7
Husbands	2,234	2,574	2,674	1.1	1.2	1.2
Wives	886	1,084	1,077	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 219,018 while the upper bound is 228,980.

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 General Demographic Characteristics: 2004" (August 2005) accessed January 4, 2006.