

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. Long-term trends are traced in *Historical Statistics of Hawaii*, Section 2. Sections 2 and 3 of the *Statistical Abstract of the United States: 2001* contain data for the nation as a whole.

Table 2.01-- BIRTHS AND DEATHS: 1980 TO 2000

Calendar year	Resident births 1/	Resident deaths 1/	Rates per 1,000 resident population 2/		Rates per 1,000 live births 3/		
			Births	Deaths	To unmarried mothers	Fetal deaths 4/	Infant deaths 5/
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

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

2/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 28, 2001. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

3/ Place of occurrence basis.

4/ 20 weeks gestation and over. Includes elective abortions.

5/ Under 1 year of age.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and Office of Health Status Monitoring, records; Rates per 1,000 resident population calculated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 1996 TO 2000

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births:						
1996	18,451	-	18,451	3,132	15,319	3,132
1997	17,415	-	17,415	3,131	14,284	3,131
1998	17,628	-	17,628	3,011	14,617	3,011
1999	17,102	-	17,102	2,756	14,346	2,756
2000	17,638	-	17,638	2,779	14,859	2,779
Deaths:						
1996	8,148	185	7,963	77	7,886	262
1997	8,016	151	7,865	78	7,787	229
1998	8,297	175	8,122	85	8,037	260
1999	8,445	195	8,250	62	8,188	257
2000	8,511	199	8,312	63	8,249	262
Birth rates: 2/						
1996	14.2	0	14.7	56.6	12.8	30.3
1997	13.1	0	13.6	56.3	11.6	31.3
1998	13.2	0	13.7	49.7	11.9	28.5
1999	12.8	0	13.2	62.1	11.5	32.2
2000	13.2	0	13.6	62.2	11.9	32.5
Death rates: 2/						
1996	6.2	3.9	6.3	1.4	6.6	2.5
1997	6.0	3.4	6.1	1.4	6.3	2.3
1998	6.2	3.9	6.3	1.4	6.5	2.5
1999	6.3	4.7	6.4	1.4	6.6	3.0
2000	6.4	4.9	6.4	1.4	6.6	3.1

1/ Death rates for military dependents based on 1990 age and sex composition of military dependents and 1990 age-sex-specific death rates for all civilians. 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 27, 2001 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; birth and death rates calculated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.03-- LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 1995 TO 2000

[Place of residence basis]

Calendar year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rate 1/			
1995	25,139	21.0	18,552	1,086	5,501
1996	24,234	20.1	18,378	985	4,871
1997	22,680	18.7	17,326	854	4,500
1998	22,794	18.8	17,567	1,084	4,143
1999	22,266	18.4	17,032	903	4,331
2000	22,240	18.3	17,514	825	3,901

1/ Per 1,000 resident population, July 1. Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 28, 2001. Population estimates for 1995 through 1999 released April 19, 2002 were revisions based upon the April 1, 2000 figures.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; Rates calculated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 1997 TO 2000

[Place of occurrence]

Event and year	Total	Resident	Nonresident	Not reported
Births:				
1997	17,415	17,326	87	2
1998	17,628	17,567	61	-
1999	17,102	17,032	70	-
2000	17,638	17,514	122	2
Deaths:				
1997	8,016	7,710	303	3
1998	8,297	7,969	321	7
1999	8,445	8,125	307	13
2000	8,511	8,163	340	8

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

Table 2.05-- CHARACTERISTICS OF RESIDENT BIRTHS: 1998 TO 2000

[Excludes births to Hawaii residents occurring out of state]

Subject	1998	1999	2000
Number of resident births	17,567	17,032	17,514
City and County of Honolulu	13,127	12,546	12,962
Percent on Oahu	74.7	73.7	74.0
Hawaii County	1,912	1,926	1,947
Kauai County	773	751	746
Maui County (incl. Kalawao)	1,755	1,809	1,859
Percent attended by M.D. or D.O. in hospital	94.9	95.3	96.0
Males per 100 females	104.8	107.5	108.7
Median weight of single births (grams)	3,310	3,315	3,315
Percent low birth weight (under 2,500 grams)	7.9	7.6	7.5
Percent single births under 40 weeks gestation	59.4	61.2	60.0
Percent plural	2.3	2.2	2.2
Percent with 1 or more congenital malformations	6.3	9.3	4.8
Percent to unmarried mothers	32.0	32.9	32.3
Percent with prenatal visit in first three months	81.0	82.4	83.4
Percent first child born to mother 1/	31.8	30.8	30.7
Percent first child born alive to mother	42.4	42.6	41.4
Median age of mothers (years)	27	27	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: 1999**

[Excludes births to nonresidents of the United States]

Type of rate	United States	Hawaii	Rank 1/
Births per 1,000 estimated population	14.5	14.4	2/ 19
Fertility rate 3/	65.9	68.7	12

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

2/ Tied with Arkansas and South Dakota.

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

Source: U.S. Census Bureau, *Statistical Abstract of the United States: 2001*, p. 61.

**Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE,
BY MILITARY STATUS OF PARENTS: 2000**

Military status of parents	Total births	Unmixed	Mixed 1/	Not reported 2/	Percent mixed 3/
Total	17,514	7,042	9,444	1,028	57.3
Military	2,756	1,921	790	45	29.1
Civilian	13,120	5,117	7,990	13	61.0
Status not reported	1,638	4	664	970	99.4

1/ Includes all Part Hawaiian births, including those in which both parents were Part Hawaiian.

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: 2000**

A total of 7,662 first names, including variant spellings, was reported for the 17,638 babies born in Hawaii in 2000]

Rank	Boys' names		Girls' names	
	Name	Number	Name	Number
1	Joshua	129	Kayla	65
2	Noah	115	Taylor	63
3	Jacob	101	Alyssa	61
4	Justin	90	Ashley	60
5	Matthew (tie)	86	Kiana	52
6	Michael (tie)	86	Alexis	46
7	Dylan	79	Nicole	44
8	Christian	77	Emily (tie)	41
9	Brandon	73	Jasmine (tie)	41
10	Isaiah	70	Rachel	40

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

**Table 2.09-- MOST COMMON SURNAMEN ON BIRTH AND DEATH
CERTIFICATES: 2000**

Rank	Birth certificates		Death certificates	
	Surname	Births	Surname	Deaths
1	Lee	83	Lee	55
2	Wong	66	Wong	43
3	Smith	63	Young	34
4	Johnson	52	Kim (tie)	28
5	Garcia	46	Tanaka (tie)	28
6	Ramos	44	Nakamura	26
7	Kim	42	Ching (tie)	25
8	Silva	38	Sato (tie)	25
9	Williams	37	Chang (tie)	24
10	Brown (tie)	36	Chun (tie)	24
	Young (tie)	36		

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

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

[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 1999

[Average expectation of life (e_0) 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
1999	76.7	73.9	79.4	(NA)	(NA)	(NA)

NA Not available.

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

Source: U.S. Department of Health and Human Services, National Center for Health Statistics, "United States Life Tables, 1999", *National Vital Statistics Reports*, Vol. 50, No. 6, March 21, 2002, table 12 <http://www.cdc.gov/nchs/data/nvsr/nvsr50/nvsr50_06.pdf> accessed June 20, 2002; Hawaii State Department of Health, Office of Health Status Monitoring, "Life Tables by Ethnic Group for 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.

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 (x)	Average expectation of life in years (e_x)			Number surviving to specified age per 100,000 born alive (l_x)		
	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: 1998 TO 2000

[Excludes deaths to Hawaii residents occurring out of state]

Subject	1998	1999	2000
Number of resident deaths	7,969	8,125	8,163
City and County of Honolulu	5,609	5,800	5,737
Hawaii County	1,123	1,105	1,146
Kauai County	418	449	445
Maui County (incl. Kalawao)	819	771	835
Males per 100 females	129.7	133.4	127.7
Median age (years)	76	76	77
Centenarian deaths: Male	11	16	20
Female	51	57	52
Oldest (years): Male	105	112	106
Female	108	110	110
Percent married	45.0	46.2	44.8
Deaths under 1 year	116	118	133
Per 1,000 live births	6.6	6.9	7.6
Fetal deaths 1/	5,227	5,234	4,726
Per 1,000 deliveries	229	235	213
Fetal deaths, 20 or more weeks gestation 2/	142	184	167
Per 1,000 live births	8.1	10.8	9.5
Standard fetal deaths 3/	1,084	903	825
Elective abortions	4,143	4,331	3,901
Per 1,000 live births	235.8	254.3	222.7

1/ Includes elective abortions.

2/ Place of occurrence basis. 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-- CAUSE OF DEATH, BY SEX: 2000

[Place of residence basis. Method of coding "causes of death" changed to the International Classification of Diseases, Version 10]

Cause of death	Both sexes	Males	Females
Total deaths	8,163	4,579	3,584
Malignant Neoplasm:	1,896	1,063	833
of Stomach	115	72	43
of Colon, Rectum and Anus	196	109	87
of Pancreas	132	67	65
of Trachea, Bronchus and Lung	447	283	164
of the Female Breast	111	-	111
of Cervix Uteri, Corpus Uteri and Ovary	89	-	89
of Prostate	111	111	-
of Urinary Tract	77	49	28
Non-Hodgkin's Lymphoma	67	34	33
Leukemia	68	45	23
Other Malignant Neoplasms	483	293	190
Diabetes Mellitus	198	98	100
Alzheimer's Disease	124	48	76
Diseases of the Heart	2,603	1,497	1,106
Hypertensive Heart Disease	70	35	35
Ischemic Heart Disease	1,458	882	576
Other Forms of Heart Disease	1,075	580	495
Hypertension	51	27	24
Cerebrovascular Disease	698	349	349
Atherosclerosis	20	7	13
Other Circulatory System Diseases	87	48	39
Influenza/Pneumonia	106	52	54
Chronic Lower Respiratory Diseases	267	157	110
Chronic Liver Disease and Cirrhosis	83	47	36
Nephritis and Nephrosis	134	77	57
Perinatal Conditions	81	43	38
Congenital Anomalies	32	21	11
Symptoms and Ill-Defined Conditions	42	23	19
Other Diseases 1/	1,201	630	571
Motor Vehicle Accidents	131	99	32
All Other and Unspecified Accidents and adverse effects	187	130	57
Intentional Self-Harm (Suicide)	140	113	27
Assault (Homicide)	40	26	14
All Other External Causes	42	24	18

1/ Includes Tuberculosis, HIV Disease, Peptic Ulcer, Sudden Infant Death Syndrome, and Complications of Pregnancy, Childbirth and Puerperium

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 2002**

[Complete through July 12, 2002]

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: 1992 TO 2002

[Includes all accidents, natural disasters, and other events causing five or more deaths.
Complete through July 12, 2002]

Date	Place	Kind of disaster	Deaths
1992: Jan. 14	Between Oahu and Maui	Airplane disappearance	5
Apr. 22	Haleakala summit, Maui	Airplane crash	9
Sept. 11	Kauai and Oahu	Hurricane Iniki	8
Sept. 16	Haleakala slope, Maui	Helicopter crash	7
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 Crater, 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

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

**Table 2.18-- DEATHS OCCURRING IN HAWAII, BY METHOD OF DISPOSITION:
1970 TO 2000**

Method	1970	1980	1990	1998	1999	2000
All methods	4,197	5,204	7,055	8,297	8,445	8,511
Burial	2,197	2,343	2,798	2,855	2,785	2,767
Cremation	1,509	2,241	3,564	4,807	5,027	5,092
Removal	470	567	656	580	569	591
Entombment	13	44	35	16	17	19
Medical science	3	-	-	38	46	40
Other	-	1	-	-	-	-
Unknown	5	8	2	1	1	2

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

**Table 2.19-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTIES:
1997 TO 2001**

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1997: June 30	2,559	1,919	277	114	249
1998: June 30	2,600	1,974	287	112	227
1999: June 30	2,623	1,977	297	118	231
2000: June 30	2,691	2,029	311	116	235
2001: June 30	2,674	2,029	302	112	231

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

Table 2.20-- SELECTED CHRONIC CONDITIONS: 1999 AND 2000

[Provisional data. Excludes persons in institutions, military barracks, Niihau, Kalawao, the homeless, and households without telephones. Weighted data based on a sample survey of 4,351 households with 12,677 persons in 1999, and based on a sample survey of 5,882 households with 17,183 persons in 2000]

Selected chronic conditions	Prevalence of condition		Conditions per 1,000 persons 1/	
	1999	2000	1999	2000
Diabetes	48,720	53,109	42	46
Hypertension	154,660	166,645	134	144
High blood cholesterol	152,812	153,890	133	133
Asthma	107,369	99,991	93	86
Arthritis	82,452	82,877	72	72

1/ 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: 1996 TO 2000

[2000 data reported as of January 2002; earlier data not updated]

Disease	1996	1997	1998	1999	2000
Cases:					
AIDS	192	98	163	103	108
Campylobacteriosis	854	823	622	884	834
E. coli 0157:H7	8	11	19	15	14
Fish poisoning 1/	43	92	111	84	92
Giardiasis	229	162	123	117	105
Gonorrhea	501	507	469	463	446
Hansen's Disease 2/	15	26	19	22	15
Hepatitis A	120	148	54	24	22
Hepatitis B (Acute)	14	11	18	16	15
Influenza	129	3/ 1,051	4/ 1,290	5/ 985	6/ 503
Leptospirosis 7/	42	60	46	52	23
Malaria	8/ 12	9/ 13	10/ 9	11/ 12	10/ 10
Measles (Rubeola)	12/ 51	13/ 6	14/ 1	10/ 3	15/ 6
Meningitis, bacterial 16/	8	7	5	10	8
Mumps	17/ 31	18/ 27	19/ 26	20/ 16	21/ 23
Pertussis (whooping cough)	22/ 35	23/ 19	24/ 26	25/ 51	26/ 41
Pneumococcal disease	98	52	81	61	160
Rubella	10/ 3	27/ 9	14/ 2	-	-
Salmonellosis	428	387	295	338	237
Shigellosis	87	65	51	35	38
Syphilis (Primary & Secondary)	4	1	1	3	2
Tuberculosis	200	167	181	184	136
Deaths: 28/					
AIDS	73	38	23	28	27
Hepatitis A	<5	-	-	<5	<5
Hepatitis B (Acute)	11	11	7	7	7
Influenza	<5	<5	10	6	<5
Pneumococcal disease	<5	-	<5	<5	<5
Salmonellosis	<5	-	-	<5	<5
Tuberculosis	5	10	<5	<5	<5
Meningitis, bacterial	-	-	<5	-	-
Shigellosis	-	-	<5	-	-

Footnotes and source on next page.

Table 2.21--SPECIFIED COMMUNICABLE DISEASES: 1996 TO 2000 -- Cont.

- 1/ Scombroid, ciguatera and hallucinogenic fish poisoning.
 - 2/ Excludes reinstated cases.
 - 3/ Of the 1,051 reported cases, 252 cases were confirmed illnesses and 799 were influenza-like illnesses.
 - 4/ Of the 1,290 reported cases, 205 cases were confirmed illnesses and 1,085 were influenza-like illnesses.
 - 5/ Of the 985 reported cases, 311 cases were confirmed illnesses and 674 were influenza-like illnesses.
 - 6/ Of the 503 reported cases, 146 cases were confirmed illnesses and 357 were influenza-like illnesses.
 - 7/ Includes previously unreported cases.
 - 8/ Of the 12 reported cases, 7 cases were imported and 5 cases were unknown.
 - 9/ Of the 13 reported cases, 1 case was indigenous, 9 cases were imported, and 3 cases were unknown.
 - 10/ Acquired outside Hawaii.
 - 11/ Of the 12 reported cases, 2 cases were indigenous, 9 cases were imported, and 1 case was unknown.
 - 12/ Of the 51 reported cases, 42 cases were indigenous and 9 cases were imported.
 - 13/ Of the 6 reported cases, 2 cases were indigenous and 4 cases were imported.
 - 14/ Acquired in Hawaii.
 - 15/ Of the 6 reported cases, 2 cases were indigenous and 4 cases were imported.
 - 16/ Category changed from "meningitis, all types" to "meningitis, bacterial". Viral meningitis is no longer reported.
 - 17/ Of the 31 reported cases, 12 cases were imported, and 19 cases were unknown.
 - 18/ Of the 27 reported cases, 22 cases were imported, and 5 cases were unknown.
 - 19/ Of the 26 reported cases, 6 cases were indigenous and 20 cases were imported.
 - 20/ Of the 16 reported cases, 2 cases were indigenous, 11 cases were imported, and 3 cases were unknown.
 - 21/ Of the 23 reported cases, 6 cases were indigenous, 16 cases were imported, and 1 case was unknown.
 - 22/ Of the 35 cases, 26 were lab confirmed and 9 were clinically diagnosed.
 - 23/ Of the 19 cases, 15 were lab confirmed and 4 were clinically diagnosed.
 - 24/ Of the 26 cases, 20 were lab confirmed and 6 were clinically diagnosed.
 - 25/ Of the 51 cases, 23 were lab confirmed and 28 were clinically diagnosed.
 - 26/ Of the 41 cases, 12 were lab confirmed and 29 were clinically diagnosed.
 - 27/ Of the 9 reported cases, 2 cases were indigenous and 7 cases were imported.
 - 28/ Resident data. For the years shown, no deaths were reported from campylobacteriosis, fish poisoning, giardiasis, gonorrhea, Hanson's disease, leptospirosis, malaria, measles (rubeola), mumps, pertussis, rubella, or syphilis. No data were available for deaths caused by E. coli 0157:H7.
- Source: Hawaii State Department of Health, Office of Health Status Monitoring, Epidemiology Branch, and AIDS Surveillance Program, records.

Table 2.22-- 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
Substance abuse	438
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

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 at <<http://starbulletin.com/2001/01/29/news/story3.html>>.

Table 2.23-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS 18 YEARS AND OLDER: 1997 TO 2000

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

Risk factor 1/	1997	1998	1999	2000
Seatbelt non-use	12.8	(NA)	(NA)	(NA)
Acute drinking 2/	17.1	(NA)	14.0	(NA)
Chronic drinking 3/	5.0	(NA)	5.2	(NA)
Drinking and driving	2.4	(NA)	2.3	(NA)
High cholesterol	31.5	(NA)	27.6	(NA)
Hypertension	23.9	(NA)	22.7	(NA)
Lack of exercise 4/	(NA)	5/ 18.0	5/ 25.5	23.2
Poor nutrition 6/	(NA)	72.5	(NA)	(NA)
Diabetes	5.0	5.6	5.2	5.2
Current smokers 7/	18.7	19.5	18.5	19.7
Overweight 8/	(NA)	5/ 48.3	(NA)	50.2
Obese 9/	(NA)	16.4	15.7	15.7

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, in the past month.

3/ Sixty or more alcoholic beverages in the past month.

4/ Physically inactive. No leisure-time physical activity reported during the past month. Category was changed from the one used to measure exercise in previous *Data Book* tables.

5/ Revised.

6/ Less than five fruits and vegetables a day.

7/ Listed as "cigarette smoking" in previous *Data Book* tables.

8/ Overweight or obese. Body mass index (BMI) greater than or equal to 25. Criteria used in this table differs from the criteria used in previous *Data Book* tables.

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

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Behavioral Risk Factor Surveillance System (BRFSS) <<http://www.state.hi.us/doh/stats/surveys/brfss.html>> accessed June 13, 2002.

Table 2.24-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES AND CARE HOMES, BY TYPE OF FACILITY: 1995 TO 2000

Category and year	Facilities				Care homes	
	Total 1/	Acute care	Long-term care	Specialty care	Type I 2/	Type II 3/
Number of facilities:						
1995 4/	74	23	42	29	499	12
1996 4/	71	23	42	26	523	12
1997	76	24	43	30	521	11
1998	76	24	45	28	530	12
1999	77	24	47	28	538	13
2000	74	24	45	24	543	17
Number of licensed beds: 5/						
1995 4/	7,130	2,642	3,504	984	2,274	393
1996 4/	7,433	2,633	3,814	986	2,403	393
1997	7,611	2,654	3,827	1,130	2,410	349
1998	7,847	2,619	4,063	1,165	2,463	363
1999	7,681	2,616	4,000	1,065	2,509	365
2000	7,759	2,561	4,115	1,088	2,514	413

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

2/ Five beds or fewer.

3/ Six beds or more.

4/ Additional specialty care facilities were added to the survey.

5/ Number of beds licensed by the State Department of Health's Office of Health Care Assurance.

All facilities and care home beds are licensed by the Office of Health Care Assurance. "Number of beds" in the State of Hawaii Data Book 1996 and earlier referred to the number of beds with Certificate of Need approval. Certificate of Need approved beds included beds completed and beds being developed (not yet in service).

Source: Hawaii State Department of Health, State Health Planning and Development Agency, *Utilization of Inpatient Facilities by County 1995* (March 1997); State Health Planning and Development Agency, *Inpatient Facilities Utilization Report 1996 Data* (June 1997); State Health Planning and Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1997 Data* (July 1998); State Health Planning and Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1998 Data* (August 1999); State Health Planning and Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1999 Data* (September 2000); Hawaii State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001); and Office of Health Care Assurance, records.

Table 2.25-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES: 1995 TO 2000

[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:				
1995	101,001	1,802	6.5	68.2
1996	100,519	1,689	6.1	64.2
1997	100,353	1,715	6.2	64.5
1998	103,795	1,620	5.7	61.9
1999	100,105	1,641	6.0	62.7
2000	104,273	1,711	6.0	66.8
Long-term care:				
1995	3,577	3,308	335	94.4
1996	4,577	3,520	279	92.3
1997	5,098	3,472	247	90.7
1998	5,789	3,675	232	90.5
1999	5,866	3,721	232	93.0
2000	6,251	3,700	216	89.9

Source: Hawaii State Department of Health, State Health Planning and Development Agency, *Utilization of Inpatient Facilities by County 1994* (September 1995); State Health Planning and Development Agency, *Utilization of Inpatient Facilities by County 1995* (March 1997); State Health Planning and Development Agency, *Inpatient Facilities Utilization Report 1996 Data* (June 1997); State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1997 Data* (July 1998); State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1998 Data* (August 1999); State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1999 Data* (September 2000); Hawaii State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001); state total calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.26-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN FACILITIES AND CARE HOMES, BY TYPE OF FACILITY, BY ISLANDS: DECEMBER 2000

[Facilities recognized by the Hawaii State Health Planning and Development Agency.
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	74	24	45	24	543	17
Oahu	50	11	28	19	453	15
Hawaii	10	6	8	-	53	-
Kauai	5	3	5	-	20	2
Maui	6	2	2	4	12	-
Molokai	2	1	1	1	5	-
Lanai	1	1	1	-	-	-
NUMBER OF LICENSED BEDS 4/						
State total	7,759	2,561	4,115	1,088	2,514	413
Oahu	5,596	1,992	2,617	987	2,047	356
Hawaii	940	253	687	-	242	-
Kauai	425	110	315	-	133	57
Maui	745	198	460	87	59	-
Molokai	44	8	22	14	33	-
Lanai	14	-	14	-	-	-

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

2/ Five beds or fewer.

3/ More than five beds.

4/ For facilities only, number of beds licensed by the State Department of Health's Office of Health Care Assurance. "Number of beds" in the *State of Hawaii Data Book 1996* and earlier referred to the number of beds with Certificate of Need approval. Certificate of Need approved beds included beds completed and beds being developed (not yet in service). All facilities and care home beds are licensed by the 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) and the Office of Health Care Assurance, records.

Table 2.27-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLANDS: 2000

[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	104,273	1,711	6.0	66.8
Oahu	76,704	1,353	6.4	67.9
Hawaii	12,140	160	4.8	63.1
Kauai	5,506	51	3.4	46.7
Maui	9,770	145	5.4	73.4
Molokai	153	1	2.2	11.5
Lanai	-	-	(X)	(X)
LONG-TERM CARE				
State total	6,251	3,700	216	89.9
Oahu	4,119	2,358	209	90.1
Hawaii	985	633	234	92.1
Kauai	570	243	156	77.1
Maui	486	446	334	96.9
Molokai	57	14	88	62.4
Lanai	34	8	85	57.0

X Not applicable.

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001); state calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.28-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 1991 TO 2001

[On July 1, 1993, the Adult Mental Health Division changed the criteria by which eligibility for service was determined and focused on a priority population of "seriously and persistently mentally ill adults". Prior to that, the division served any person with any mental illness seeking service]

Facilities and year	Persons active, Dec. 31	Admissions	Discharges	Persons served
Hawaii State Hospital:				
1991 1/	159	311	345	504
1992	198	394	355	553
1993	195	446	449	644
1994	199	275	271	470
1995 2/	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
State-supported outpatient community mental health centers:				
1991	3,037	2,494	1,962	4,999
1992	3,509	2,182	1,710	5,219
1993	3,410	2,004	2,103	5,513
1994	3,246	1,692	1,856	5,102
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

1/ Figures include children and adolescents who were part of Hawaii State Hospital up until the end of June 1991.

2/ 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 2.29-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:
1997 TO 2001**

Year	Number of beds, June 30 1/	Admissions 2/		Patients in hospital 4/	
		Total	First 3/	Average 2/	June 30
1997	202	101	100	164	168
1998	202	113	106	164	163
1999	202	132	115	164	162
2000	168	137	117	151	149
2001	168	183	88	158	157

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

2/ Year ended June 30.

3/ Admissions in which a person has entered the facility for the first time during the fiscal year that data are being collected for.

4/ Includes patients on leave and absent without leave. In 2000, about .2% of the patients were on leave or absent without leave.

Source: Hawaii State Hospital, records.

Table 2.30-- ESTIMATED USE OF ILLICIT DRUGS, FOR THE UNITED STATES AND HAWAII: 1999

[Current users are those persons 12 years old and over who used drugs at least once within 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. For comparison purposes, the data shown here display estimates for all 50 states and the District of Columbia utilizing the modeled estimates for all 51 areas]

Geographic area	Any illicit drug 1/	Marijuana	Any illicit drug other than marijuana	Cigarettes	Binge alcohol 2/
Estimated current users (1,000)					
United States	15,193	11,476	6,645	57,296	44,486
Hawaii	69	59	22	217	201
Current users as percent of: population:					
United States	6.9	5.2	3.0	25.9	20.1
Hawaii	7.1	6.0	2.2	22.4	20.8

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" is meant 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 Abuse, 1999*, as cited in *Statistical Abstract of the United States: 2001*, table 190, p. 123.

Table 2.31-- HANSEN'S DISEASE PATIENTS REGISTERED: 1996 TO 2000

Subject	1996	1997	1998	1999	2000
Patients on register, Dec. 31	365	357	346	320	321
Department of Health's Hansen's Disease Community Program 1/	301	297	293	270	274
Kalaupapa	64	60	53	50	47
Hale Mohalu at Leahi	-	-	-	-	-
New cases	15	26	19	22	15
Deaths	11	6	13	6	3

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 2.32-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS
LICENSED IN HAWAII, BY PLACE OF ADDRESS: AUGUST 15, 2001**

[Excludes inactive licenses]

Place of address	Physicians and surgeons 1/	Dentists	Registered nurses	Pharmacists
Total licensed	6,118	1,352	11,222	1,496
Hawaii addresses	3,206	1,015	9,254	857
Hawaii	291	97	1,012	82
Maui	238	69	852	69
Lanai	2	-	11	1
Molokai	5	3	30	2
Oahu	2,556	805	6,933	662
Kauai	114	41	416	41
Mainland U.S.	2,860	322	1,842	633
Foreign	52	15	126	6

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 2.33-- PERSONAL HEALTH CARE EXPENDITURES, 1990 TO 1998,
AND BY SELECTED OBJECT, 1998**

[In millions of dollars]

Year and object	Expenditures
1990	2,745
1995	4,168
1996	4,427
1997	4,452
1998	4,658
Hospital care	1,775
Physician and other professional services	1,594
Prescription drugs	311
Nursing home care	204
Other personal health care expenditures	774

Source: U.S. Centers for Medicare and Medicaid Services, as cited in *Statistical Abstract of the United States: 2001*, p. 95.

**Table 2.34-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
WITH PAYROLL, BY KIND OF BUSINESS OR OPERATION: 1997**

[Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in earlier Economic Censuses. Therefore, comparability between the 1992 and the 1997 data may be limited]

NAICS code	Kind of business or operation	Establishments (number)	Receipts/revenues (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
	Firms subject to federal income tax				
62	Health care and social assistance	2,360	1,646,255	730,786	18,221
621	Ambulatory health care services 1/	2,249	1,356,713	586,581	13,828
6211	Offices of physicians	1,076	731,276	359,150	6,125
6212	Offices of dentists	657	267,597	101,463	3,266
6213	Offices of other health practitioners	380	96,062	31,945	1,359
6214	Outpatient care centers	47	58,253	22,090	501
6215	Medical and diagnostic laboratories	42	139,451	45,210	1,264
6216	Home health care services	31	30,749	13,304	924
6219	Other ambulatory health care services	16	33,325	13,419	389
622	Hospitals	1	(D)	(D)	(g)
623	Nursing and residential care facilities	37	118,739	53,915	2,121
6231	Nursing care facilities	21	113,137	51,993	2,001
6232	Residential mental retardation/health and substance abuse facility	7	(D)	(D)	(b)
6233	Community care facilities for the elderly	8	3,087	1,047	79
6239	Other residential care facilities	1	(D)	(D)	(a)
624	Social assistance	73	(D)	(D)	(f)
6241	Individual and family services	23	(D)	(D)	(c)
6242	Community food and housing/emergency and other relief services	2	(D)	(D)	(a)
6243	Vocational rehabilitation services	13	13,465	6,546	251
6244	Child day care services	35	(D)	(D)	(c)
	Firms exempt from federal income tax				
62	Health care and social assistance	581	2,329,058	886,904	29,344
621	Ambulatory health care services 1/	73	477,944	113,921	3,172
6214	Outpatient care centers	56	433,619	93,420	2,318

Continued on next page.

Table 2.34-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS WITH PAYROLL, BY KIND OF BUSINESS OR OPERATION: 1997--Con.

NAICS code	Kind of business or operation	Establishments (number)	Receipts/Revenues (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
	Firms exempt from federal income tax (cont.)				
6216	Home health care services	13	33,353	15,892	703
6219	Other ambulatory health care services	4	10,972	4,609	151
622	Hospitals	28	1,527,862	624,708	17,876
6221	General medical and surgical hospitals	21	1,259,785	509,759	14,515
6222	Psychiatric and substance abuse hospitals	3	62,694	36,738	1,053
6223	Specialty (except psychiatric and substance abuse) hospitals	4	205,383	78,211	2,308
623	Nursing and residential care facilities	42	84,959	38,336	1,884
6231	Nursing care facilities	6	44,051	19,475	816
6232	Residential mental retardation/health and substance abuse facility	21	22,439	10,518	613
6233	Community care facilities for the elderly	4	11,448	5,127	264
6239	Other residential care facilities	11	7,021	3,216	191
624	Social assistance	438	238,293	109,939	6,412
6241	Individual and family services	226	138,787	68,864	3,622
6242	Community food and housing/emergency and other relief services	56	36,331	11,303	651
6243	Vocational rehabilitation services	18	18,219	8,382	567
6244	Child day care services	138	44,956	21,390	1,572

D Withheld to avoid disclosing data of individual companies.

a 0 to 19 employees.

b 20 to 99 employees.

c 100 to 249 employees.

f 500 to 999 employees.

g 1,000 to 2,499 employees.

1/ 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.

Source: U.S. Census Bureau, *1997 Economic Census, Health Care and Social Assistance, Geographic Area Series, Hawaii*, EC97S62A-HI (June 1999), table 1a and 1b.

**Table 2.35-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
WITH PAYROLL AND SUBJECT TO FEDERAL INCOME TAX, FOR
COUNTIES AND SELECTED URBAN PLACES: 1997**

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
State total	2,360	1,646,255	730,786	18,221
Hawaii County	321	224,838	76,168	2,441
Hilo	180	155,372	53,922	1,643
Kailua	48	20,531	8,061	323
Honolulu County	1,730	1,231,679	563,133	13,474
Aiea	63	32,176	12,175	324
Ewa Beach	18	8,586	3,823	91
Honolulu	1,194	925,469	427,398	9,866
Kailua	108	44,072	20,820	526
Kaneohe	63	37,576	16,272	587
Laie	3	987	356	8
Maunawili	6	3,289	1,449	29
Mililani Town	25	15,627	7,193	169
Pearl City	29	26,382	9,086	296
Wahiawa	35	20,900	8,593	253
Waianae	10	4,600	1,810	67
Waimalu	66	49,106	25,257	463
Waipahu	53	22,729	10,152	239
Waipio	5	1,425	597	18
Kauai County	79	51,361	27,610	745
Kalaheo	4	2,202	813	23
Kapaa	13	4,199	1,917	75
Lihue	42	36,828	20,221	478
Maui County	230	138,377	63,875	1,561
Haiku-Pauwela	4	515	325	3
Kahului	60	29,376	12,446	355
Kaunakakai	5	1,220	329	36
Kihei	23	9,386	3,327	132
Lahaina	17	8,516	4,949	106
Makawao	9	1,704	595	30
Pukalani	9	3,552	1,127	50
Wailea-Makena	3	686	345	3
Wailuku	82	77,680	38,055	735

Source: U.S. Census Bureau, *1997 Economic Census, Health Care and Social Assistance, Geographic Area Series*, EC97S62A-HI (June 1999), tables 1a, 3, and 4.

Table 2.36-- MARRIAGES AND DIVORCES: 1980 TO 2000

[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/
1980	11,856	9,442	4,438	9.7	4.6	20.4	44.4
1981	12,218	9,445	4,253	9.7	4.3	22.7	44.5
1982	13,483	10,053	4,233	10.1	4.3	25.4	45.0
1983	14,062	10,216	4,583	10.1	4.5	27.3	45.5
1984	14,982	10,020	4,769	9.7	4.6	33.3	46.3
1985	15,421	9,893	4,887	9.5	4.7	35.8	46.9
1986	16,219	9,571	4,674	9.1	4.4	30.4	46.5
1987	16,567	9,714	4,419	9.1	4.1	41.3	44.6
1988	17,281	9,708	5,020	9.0	4.6	43.8	42.9
1989	17,974	9,952	5,613	9.1	5.1	44.6	44.3
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

1/ One or both partners residents of Hawaii.

2/ Final decrees only.

3/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 28, 2001. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

4/ Both partners nonresidents of Hawaii.

5/ Excludes nonresident marriages. Also, for these calculations, marriages where both bride and groom are in the "Part Hawaiian" or "Other races" categories are classified as non-interracial.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and records; Rates calculated by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.37-- MARRIAGE AND DIVORCE RATES BASED ON RISK
POPULATION: 1910 TO 1990**

Census year	Females 15 years old and over 1/		Marriages 2/		Divorces 2/	
	Unmarried 3/	Married 4/	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

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

2/ Annual averages for two-year periods centering on each census date. Place of occurrence basis.

Marriage data for 1969-1970 and later years exclude nonresident marriages.

3/ Single, widowed or divorced.

4/ Includes separated persons.

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; Hawaii State Department of Health, *Annual Report, Statistical Supplement* for 1969, 1970, 1979, 1980, and records.

**Table 2.38-- CHARACTERISTICS OF MARRIAGES AND DIVORCES:
1997 TO 2000**

[Place of occurrence basis]

Subject	1997	1998	1999	2000
MARRIAGES				
Number	19,901	20,974	23,067	25,376
Percent on Oahu	46.5	45.7	44.4	42.7
Percent Hawaii residents:				
Both bride and groom	41.3	38.2	36.7	33.3
One partner only	3.2	3.5	3.2	3.0
Neither bride nor groom	55.5	58.3	60.0	63.7
Not reported 1/	-	-	-	<0.1
Median age (years):				
Groom	32	33	33	33
Bride	30	30	30	30
Percent previously married:				
Groom	39.1	38.8	39.0	38.0
Bride	39.8	39.5	39.6	38.7
DIVORCES AND ANNULMENTS				
Number	4,877	4,919	4,620	4,716
Divorces	4,858	4,899	4,611	4,704
Annulments	17	17	5	12
Not reported	2	3	4	-
Percent occurring on Oahu	74.3	73.9	72.7	74.0
Percent Hawaii residents:				
Both partners	75.7	74.3	74.7	75.5
One partner only	23.4	24.4	23.6	22.8
Neither partner	0.1	<0.1	<0.1	<0.1
Not reported 1/	0.8	1.3	1.7	1.7
Median age (years):				
Husband	37	37	38	38
Wife	34	35	36	36
Percent interracial 2/	43.2	42.4	43.7	45.1
Percent with children under 18 years	50.1	49.5	51.8	51.1
Median years married	6.7	6.8	7.2	7.4

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

2/ For these calculations, divorces where both bride and groom are in the "Part Hawaiian" or "Other races" categories are classified as non-interracial.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and records.

Table 2.39-- MARRIAGES OCCURRING IN HAWAII, RESIDENT AND NONRESIDENT, BY RACE MIXTURE AND TYPE OF CEREMONY: 2000

Race mixture and type of ceremony	Total	At least one partner Hawaii resident	Both partners nonresidents	Residence unknown
All marriages	25,376	9,217	16,156	3
Race of partners:				
Both partners same race 1/	19,125	5,136	13,987	2
Different	6,251	4,081	2,169	1
Percent different	24.6	44.3	13.4	33.3
Type of ceremony:				
Civil ceremony	2,975	2,403	572	-
Religious ceremony	22,401	6,814	15,584	3
Unknown	-	-	-	-

1/ Includes marriages with both partners of unknown race.

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

Table 2.40-- MARITAL DISSOLUTION: 1980 TO 2000

[Based on resident population]

Subject	1980	1990	2000	Percent		
				1980	1990	2000
Married couples	185,698	210,468	216,077	100.0	100.0	100.0
Marriages ended	6,782	8,292	8,365	3.7	3.9	3.9
By divorce 1/	4,438	5,172	4,707	2.4	2.5	2.2
By death	2,344	3,120	3,658	1.3	1.5	1.7
Husbands	1,678	2,234	2,574	0.9	1.1	1.2
Wives	666	886	1,084	0.4	0.4	0.5

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

Source: Hawaii State Department of Health, *Statistical Report* (annual), and records; U.S. Bureau of the Census, *1980 Census of Population*, PC80-1-B13, table 21, and *1990 Census of Population*, 1990 CP-1-13, table 30; and U.S. Census Bureau, Census 2000 "Table DP-1. Profile of General Demographic Characteristics: 2000" geographic area series (May 18, 2001).