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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: 2004-2005* contain data for the nation as a whole.

Table 2.01-- BIRTHS AND DEATHS: 1980 TO 2003

[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 |

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 22, 2004. 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; 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: 1999 TO 2003

[Place of occurrence basis]

| Subject | All groups | Armed forces | Civilians 1/ | | | Armed forces and dependents |
|-----------------|------------|--------------|---------------|---------------------|-----------------|-----------------------------|
| | | | All civilians | Military dependents | Other civilians | |
| Live births: | | | | | | |
| 1999 | 17,102 | - | 17,102 | 2,756 | 14,346 | 2,756 |
| 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 |
| Deaths: | | | | | | |
| 1999 | 8,445 | 31 | 8,414 | 62 | 8,352 | 93 |
| 2000 | 8,511 | 45 | 8,466 | 45 | 8,421 | 90 |
| 2001 | 8,609 | 47 | 8,562 | 53 | 8,509 | 100 |
| 2002 | 8,986 | 33 | 8,953 | 51 | 8,902 | 84 |
| 2003 | 9,179 | 33 | 9,146 | 56 | 9,090 | 89 |
| Birth rates: 2/ | | | | | | |
| 1999 | 12.8 | 0 | 13.2 | 62.7 | 11.5 | 32.3 |
| 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 |
| Death rates: 2/ | | | | | | |
| 1999 | 6.3 | 0.7 | 6.5 | 1.4 | 6.7 | 1.1 |
| 2000 | 6.4 | 1.1 | 6.5 | 1.0 | 6.7 | 1.0 |
| 2001 | 6.5 | 1.1 | 6.6 | 1.0 | 6.9 | 1.0 |
| 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 |

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

2/ Per 1,000 de facto population in each group. Calculation of de facto population are based on July 1 estimates by the U.S. Census Bureau as revised through December 22, 2004 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-EST2004-01 - Annual Estimates of the Population for the United States and States, and for Puerto Rico: April 1, 2000 to July 1, 2004 (December 22, 2004) <<http://www.census.gov/popest/states/tables/NST-EST2004-01.pdf>> accessed January 14, 2005; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.03-- LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 1998 TO 2003

[Place of residence basis]

| Calendar year | Total deliveries | | Live births | Standard fetal deaths | Elective abortions |
|---------------|------------------|--|-------------|-----------------------|--------------------|
| | Number | Rates per 1,000 resident population 1/ | | | |
| 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 |
| 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 |

1/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 22, 2004. 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; rates calculated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 2000 TO 2003

[Place of occurrence basis]

| Event and year | Total | Resident 1/ | Nonresident | Not reported |
|-----------------------|--------------|--------------------|--------------------|---------------------|
| Births: | | | | |
| 2000 | 17,638 | 17,514 | 122 | 2 |
| 2001 | 17,129 | 17,043 | 84 | 2 |
| 2002 | 17,514 | 17,444 | 67 | 3 |
| 2003 | 18,141 | 18,066 | 73 | 2 |
| Deaths: | | | | |
| 2000 | 8,511 | 8,163 | 340 | 8 |
| 2001 | 8,609 | 8,252 | 350 | 7 |
| 2002 | 8,986 | 8,650 | 330 | 6 |
| 2003 | 9,179 | 8,850 | 318 | 11 |

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: 2001 TO 2003

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

| Subject | 2001 | 2002 | 2003 |
|---|-------------|-------------|-------------|
| Number of resident births | 17,043 | 17,444 | 18,066 |
| City and County of Honolulu | 12,547 | 12,844 | 13,219 |
| Percent on Oahu | 73.6 | 73.6 | 73.2 |
| Hawaii County | 1,959 | 2,010 | 2,150 |
| Kauai County | 777 | 731 | 814 |
| Maui County (incl. Kalawao) | 1,760 | 1,859 | 1,883 |
| Percent attended by M.D. or D.O. in hospital | 95.5 | 94.9 | 94.8 |
| Males per 100 females | 102.9 | 110.9 | 109.9 |
| Median weight of single births (grams) | 3,295 | 3,290 | 3,289 |
| Percent low birth weight (under 2,500 grams) | 8.1 | 8.3 | 8.6 |
| Percent single births under 40 weeks gestation | 64.4 | 66.3 | 65.8 |
| Percent plural | 2.7 | 3.0 | 2.9 |
| Percent with 1 or more congenital malformations | 5.0 | 5.1 | 4.8 |
| Percent to unmarried mothers | 33.1 | 33.7 | 33.6 |
| Percent with prenatal visit in first three months | 82.1 | 82.0 | 80.4 |
| Percent first child born to mother 1/ | 30.7 | 30.8 | 30.4 |
| Percent first child born alive to mother | 41.8 | 41.1 | 40.7 |
| Median age of mothers (years) | 27 | 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: 2002

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

| Type of rate | United States | Hawaii | Rank 1/ |
|---------------------------------------|----------------------|---------------|----------------|
| Births per 1,000 estimated population | 13.9 | 14.0 | 19 |
| Fertility rate 2/ | 64.8 | 68.6 | 12 |

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

2/ 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: 2004-2005*, table 74 <<http://www.census.gov/prod/2004pubs/04statab/vitstat.pdf>> accessed December 30, 2004.

**Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE,
BY MILITARY STATUS OF PARENTS: 2003**

[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 | 18,066 | 7,119 | 9,980 | 967 | 58.4 |
| Military | 2,996 | 1,915 | 1,026 | 55 | 34.9 |
| Civilian | 13,620 | 5,199 | 8,408 | 13 | 61.8 |
| Status not reported | 1,450 | 5 | 546 | 899 | 99.1 |

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: 2003**

[A total of 8,229 first names, including variant spellings, was reported for the 18,141 babies born in Hawaii in 2003]

| Boys' names | | | Girls' names | | |
|-------------|-----------|--------|--------------|----------|--------|
| Rank | Name | Number | Rank | Name | Number |
| 1 | Joshua | 104 | 1 | Emma | 59 |
| 2 | Noah | 97 | 2 | Alyssa | 54 |
| 3 | Jacob | 96 | 3 | Kayla | 51 |
| 4 | Ethan | 84 | 4 | Mia | 50 |
| 5 | Dylan | 82 | 5 | Taylor | 49 |
| 6 | Isaiah | 81 | 6 | Emily | 46 |
| 7 | Michael | 71 | 7 | Madison | 44 |
| 8 | Elijah | 70 | 8 | Isabella | 43 |
| 9 | Matthew | 66 | 9 | Sarah | 42 |
| 10 | Christian | 63 | 10 | Hannah | 39 |
| 10 | Micah | 63 | | | |

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

**Table 2.09-- MOST COMMON SURNAMES ON BIRTH AND DEATH
CERTIFICATES: 2003**

| Birth certificates | | | Death certificates | | |
|--------------------|----------|--------|--------------------|----------|--------|
| Rank | Surname | Births | Rank | Surname | Deaths |
| 1 | Lee | 72 | 1 | Lee | 59 |
| 2 | Smith | 69 | 2 | Wong | 49 |
| 3 | Kim | 52 | 3 | Higa | 39 |
| 4 | Wong | 51 | 4 | Tanaka | 37 |
| 5 | Johnson | 45 | 5 | Chang | 36 |
| 5 | Williams | 45 | 5 | Young | 36 |
| 7 | Nguyen | 43 | 7 | Kim | 33 |
| 8 | Brown | 39 | 8 | Smith | 31 |
| 8 | Ramos | 39 | 9 | Yamamoto | 29 |
| 10 | Silva | 36 | 10 | Chun | 27 |

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 2002

[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 | (NA) | (NA) | (NA) |
| 2002 | 77.3 | 74.5 | 79.9 | (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 and Vol. 53, No. 6, November 10, 2004 table 12 <http://www.cdc.gov/nchs/data/dvs/nvsr53_06t12.pdf> accessed April 20, 2005.

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: 2001 TO 2003

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

| Subject | 2001 | 2002 | 2003 |
|---|-------------|-------------|-------------|
| Number of resident deaths | 8,252 | 8,650 | 8,850 |
| City and County of Honolulu | 5,882 | 6,116 | 6,300 |
| Hawaii County | 1,141 | 1,262 | 1,255 |
| Kauai County | 419 | 420 | 438 |
| Maui County (incl. Kalawao) | 810 | 852 | 857 |
| Males per 100 females | 122.1 | 122.3 | 125.5 |
| Median age (years) | 77 | 78 | 78 |
| Centenarian deaths: Male | 15 | 21 | 23 |
| Female | 68 | 61 | 69 |
| Oldest (age in years): Male | 104 | 108 | 104 |
| Female | 110 | 108 | 113 |
| Percent married | 43.5 | 42.6 | 43.1 |
| Deaths under 1 year | 100 | 119 | 131 |
| Per 1,000 live births | 5.9 | 6.8 | 7.3 |
| Fetal deaths 1/ | 4,721 | 4,728 | 4,443 |
| Per 1,000 deliveries | 217 | 213 | 197 |
| Fetal deaths, 20 or more weeks gestation 2/ | 194 | 174 | 185 |
| Per 1,000 live births | 11.4 | 10.0 | 10.2 |
| Standard fetal deaths 3/ | 759 | 831 | 862 |
| Elective abortions | 3,962 | 3,897 | 3,581 |
| Per 1,000 live births | 232.5 | 223.4 | 198.2 |

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: 2003

[Place of residence basis]

| Causes of death 1/ | Both sexes | Males | Females |
|---|------------|-------|---------|
| Total deaths | 8,850 | 4,925 | 3,925 |
| Malignant neoplasm 2/ | 2,101 | 1,182 | 919 |
| Stomach | 111 | 69 | 42 |
| Colon, rectum and anus | 234 | 135 | 99 |
| Pancreas | 140 | 72 | 68 |
| Trachea, bronchus and lung | 502 | 302 | 200 |
| Breast | 119 | - | 119 |
| Cervix uteri, corpus uteri and ovary | 92 | - | 92 |
| Prostate | 112 | 112 | - |
| Urinary tract | 77 | 56 | 21 |
| Non-Hodgkin's lymphoma | 91 | 55 | 36 |
| Leukemia | 72 | 41 | 31 |
| Other malignant neoplasms | 551 | 340 | 211 |
| Diabetes mellitus | 200 | 108 | 92 |
| Alzheimer's disease | 159 | 59 | 100 |
| Diseases of the heart | 2,442 | 1,406 | 1,036 |
| Hypertensive heart disease | 65 | 37 | 28 |
| Ischemic heart disease | 1,342 | 827 | 515 |
| Other forms of heart disease | 1,035 | 542 | 493 |
| Hypertension | 85 | 24 | 61 |
| Cerebrovascular disease | 740 | 358 | 382 |
| Atherosclerosis | 26 | 10 | 16 |
| Other circulatory system diseases | 93 | 57 | 36 |
| Influenza/pneumonia | 235 | 122 | 113 |
| Chronic lower respiratory diseases | 284 | 178 | 106 |
| Chronic liver disease and cirrhosis | 76 | 50 | 26 |
| Nephritis, nephrotic syndrome & nephrosis | 122 | 64 | 58 |
| Perinatal conditions | 68 | 36 | 32 |
| Congenital anomalies | 32 | 18 | 14 |
| Symptoms and ill-defined conditions | 141 | 63 | 78 |
| Other diseases 3/ | 1,450 | 751 | 699 |
| Motor vehicle accidents | 139 | 114 | 25 |
| All other and unspecified accidents and adverse effects (ex. MV accidents) | 278 | 199 | 79 |
| Intentional self-harm (suicide) | 129 | 97 | 32 |
| Assault (homicide) | 20 | 13 | 7 |
| All other external causes | 30 | 16 | 14 |

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

2/ Commonly known as cancer.

3/ Includes Tuberculosis, Syphilis, HIV Disease, Peptic Ulcer 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 2005**

[Complete through June 6, 2005]

| 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 2005

[Revised from previous *Data Book*. Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through June 9, 2005]

| 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 |

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

**Table 2.18-- DEATHS BY METHOD OF DISPOSITION:
1980 TO 2003**

[Place of occurrence basis]

| Method | 1980 | 1990 | 2000 | 2001 | 2002 | 2003 |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| All methods | 5,204 | 7,055 | 8,511 | 8,609 | 8,986 | 9,179 |
| Burial | 2,343 | 2,798 | 2,767 | 2,689 | 2,770 | 2,800 |
| Cremation | 2,241 | 3,564 | 5,092 | 5,241 | 5,505 | 5,778 |
| Removal | 567 | 656 | 591 | 608 | 641 | 540 |
| Entombment | 44 | 35 | 19 | 18 | 21 | 11 |
| Medical science | - | - | 40 | 50 | 46 | 47 |
| Other | 1 | - | - | - | - | - |
| Unknown | 8 | 2 | 2 | 3 | 3 | 3 |

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

**Table 2.19-- PERSONS ON THE STATE BLIND REGISTER, BY
COUNTIES: 2000 TO 2004**

| Date | State total | City and County of Honolulu | Hawaii County | Kauai County | Maui County |
|------------------|--------------------|--|--------------------------|-------------------------|------------------------|
| 2000: June 30 | 2,691 | 2,029 | 311 | 116 | 235 |
| 2001: June 30 | 2,674 | 2,029 | 302 | 112 | 231 |
| 2002: June 30 1/ | 2,896 | 2,176 | 347 | 119 | 254 |
| 2003: June 30 2/ | 3,077 | 2,325 | 361 | 132 | 259 |
| 2004: June 30 | 3,154 | 2,394 | 371 | 128 | 261 |

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.

2/ Revised from previous *Data Book* .

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

Table 2.20-- SELECTED CHRONIC CONDITIONS: 2001 AND 2002

[Provisional data. Excludes persons in institutions, military barracks, households without telephones, the homeless, and Ni'ihau. Weighted data based upon a sample survey of 16,938 persons in 2001 and 15,516 persons in 2002]

| Selected chronic conditions | Prevalence of condition | | Conditions per 1,000 persons 1/ | |
|-----------------------------|-------------------------|---------|---------------------------------|------|
| | 2001 | 2002 | 2001 | 2002 |
| Diabetes | 58,088 | 58,688 | 49 | 49 |
| Hypertension | 154,448 | 163,458 | 131 | 136 |
| High blood cholesterol | 159,728 | 164,487 | 136 | 137 |
| Asthma | 105,838 | 102,487 | 90 | 85 |
| Arthritis | 80,904 | 92,292 | 69 | 77 |

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: 1999 TO 2003

[2003 data reported as of December 2004; earlier data not updated]

| Disease | 1999 | 2000 | 2001 | 2002 | 2003 |
|--------------------------------|------|------|------|------|-------|
| Cases: 1/ | | | | | |
| AIDS | 103 | 108 | 133 | 134 | 120 |
| Campylobacteriosis | 884 | 834 | 755 | 890 | 651 |
| E. coli 0157:H7 | 15 | 14 | 22 | 37 | 9 |
| Fish poisoning 2/ | 84 | 92 | 126 | 120 | 142 |
| Giardiasis | 117 | 105 | 118 | 91 | 94 |
| Gonorrhea | 463 | 446 | 605 | 747 | 1,264 |
| Hansen's Disease 3/ | 22 | 15 | 24 | 11 | 15 |
| Hepatitis A | 24 | 22 | 17 | 25 | 14 |
| Hepatitis B (Acute) | 16 | 15 | 22 | 12 | 22 |
| Influenza 4/ | 985 | 503 | 980 | 708 | 916 |
| Leptospirosis 5/ | 52 | 23 | 21 | 36 | 23 |
| Malaria 6/ | 12 | 10 | 13 | 9 | 6 |
| Measles (Rubeola) 6/ | 3 | 6 | 8 | 4 | 22 |
| Meningitis, bacterial | 10 | 8 | 13 | 9 | 14 |
| Mumps 7/ | 16 | 23 | 42 | 21 | 13 |
| Pertussis (whooping cough) 4/ | 51 | 41 | 42 | 30 | 11 |
| Pneumococcal disease | 61 | 160 | 120 | 128 | 142 |
| Rubella 6/ | - | - | 3 | - | 1 |
| Salmonellosis | 338 | 237 | 356 | 268 | 230 |
| Shigellosis | 35 | 38 | 59 | 72 | 46 |
| Syphilis (Primary & Secondary) | 3 | 2 | 12 | 11 | 14 |
| Tuberculosis | 184 | 136 | 151 | 148 | 117 |
| Deaths: 8/ | | | | | |
| AIDS | 28 | 27 | 25 | 25 | 20 |
| Hepatitis A | <5 | <5 | - | - | - |
| Hepatitis B (Acute) | 7 | 7 | 5 | <5 | <5 |
| Influenza | 6 | <5 | - | <5 | <5 |
| Meningitis, bacterial | - | - | - | <5 | - |
| Pneumococcal disease | <5 | <5 | <5 | <5 | <5 |
| Salmonellosis | <5 | <5 | - | - | - |
| Shigellosis | - | - | - | <5 | - |
| Syphilis | - | - | - | - | <5 |
| Tuberculosis | <5 | <5 | 6 | <5 | <5 |

Continued on next page.

Table 2.21--SPECIFIED COMMUNICABLE DISEASES: 1999 TO 2003 -- 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, Hansen's disease, 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: 2001 TO 2004

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

| Risk factor 1/ | 2001 | 2002 | 2003 | 2004 |
|----------------------|------|------|------|------|
| Seatbelt non-use | (NA) | 0.8 | (NA) | (NA) |
| Binge drinking 2/ | 10.4 | 11.9 | 13.3 | 18.6 |
| Drinking and driving | (NA) | 6.3 | (NA) | 4.7 |
| High cholesterol | 25.1 | (NA) | 27.0 | (NA) |
| Hypertension 3/ | 24.1 | (NA) | 23.2 | (NA) |
| Lack of exercise 4/ | 18.9 | 16.1 | 18.3 | 20.7 |
| Poor nutrition 5/ | 78.4 | 79.6 | 72.5 | 66.2 |
| Diabetes 6/ | 7.2 | 7.2 | 8.5 | 8.8 |
| Asthma 7/ | (NA) | 13.4 | 11.6 | 15.0 |
| Current smokers 8/ | 20.5 | 21.0 | 17.2 | 17.2 |
| Overweight 9/ | 51.4 | 53.1 | 50.0 | 31.9 |
| Obese 10/ | 17.9 | 17.1 | 16.4 | 20.9 |

NA Not available.

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

2/ Category name was "Acute drinking" for years prior to 2001. For 2001 and thereafter, binge drinking was five or more alcoholic beverages on at least one occasion, in the past month.

3/ High blood pressure.

4/ Physically inactive. No leisure-time physical activity reported during the past month. Category was changed from the one used to measure exercise in years prior to 2001.

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

6/ Percent told by doctor that they have diabetes. Includes diabetes during pregnancy.

7/ In 2000 and 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.

8/ Listed as "cigarette smoking" in years prior to 2001.

9/ Overweight or obese. 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 27, 2005.

Table 2.23-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES AND CARE HOMES, BY TYPE OF FACILITY: 1998 TO 2003

[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: | | | | | | |
| 1998 | 76 | 24 | 45 | 28 | 530 | 12 |
| 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 |
| Number of licensed beds: 4/ | | | | | | |
| 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 |
| 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 |

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, State Health Planning and Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1998 Data* (August 1999); 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 - 2002* (June 2003) <<http://www.state.hi.us/health/shpda/>> accessed June 2, 2004 and revised tables, *Health Care Utilization Report 2003 Data* (February 2005) <<http://www.hawaii.gov/health/shpda/sh03toc.htm>> accessed March 4, 2005; 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: 1998 TO 2003

[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: | | | | |
| 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 |
| 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 |
| Long-term care: | | | | |
| 1998 | 5,789 | 3,675 | 232 | 90.5 |
| 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 |

Source: Hawaii State Department of Health, State Health Planning and 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); *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 - 2002* (June 2003) <<http://www.state.hi.us/health/shpda/>> accessed June 2, 2004 and revised tables; *Health Care Utilization Report 2003 Data* (February 2005) <<http://www.hawaii.gov/health/shpda/sh03toc.htm>> accessed March 4, 2005; 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 ISLANDS: DECEMBER 2003

[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 | 68 | 20 | 45 | 19 | 512 | 17 |
| Oahu | 46 | 11 | 28 | 15 | 429 | 14 |
| Hawaii | 9 | 3 | 8 | - | 51 | - |
| Kauai | 5 | 3 | 5 | - | 16 | 2 |
| Maui | 5 | 2 | 2 | 3 | 13 | - |
| Molokai | 2 | 1 | 1 | 1 | 3 | 1 |
| Lanai | 1 | - | 1 | - | - | - |
| NUMBER OF LICENSED BEDS 4/ | | | | | | |
| State total | 7,685 | 2,507 | 4,196 | 982 | 2,394 | 359 |
| Oahu | 5,504 | 1,964 | 2,629 | 911 | 1,981 | 309 |
| Hawaii | 971 | 242 | 729 | - | 255 | - |
| Kauai | 429 | 95 | 334 | - | 80 | 34 |
| Maui | 723 | 198 | 468 | 57 | 63 | - |
| Molokai | 44 | 8 | 22 | 14 | 15 | 16 |
| 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/ 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 2003 Data* (February 2005)

<<http://www.hawaii.gov/health/shpda/sh03toc.htm>> accessed March 4, 2005; 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 ISLANDS: 2003

[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 | 109,055 | 1,654 | 5.5 | 66.0 |
| Oahu | 77,682 | 1,271 | 6.0 | 64.7 |
| Hawaii | 13,736 | 166 | 4.4 | 68.2 |
| Kauai | 6,604 | 60 | 3.3 | 62.2 |
| Maui | 10,940 | 158 | 5.3 | 79.8 |
| Molokai | 93 | 1 | 1.6 | 12.5 |
| Lanai | - | (X) | (X) | (X) |
| LONG-TERM CARE | | | | |
| State total | 7,468 | 3,903 | 191 | 93.0 |
| Oahu | 5,147 | 2,444 | 173 | 93.0 |
| Hawaii | 1,148 | 690 | 219 | 94.6 |
| Kauai | 550 | 302 | 200 | 90.3 |
| Maui | 532 | 448 | 308 | 95.8 |
| Molokai | 43 | 10 | 81 | 43.3 |
| Lanai | 48 | 10 | 76 | 71.2 |

X Not applicable.

Source: Hawaii State Department of Health, Hawaii State Health Planning and Development Agency, *Health Care Utilization Report 2003 Data* (February 2005)

<<http://www.hawaii.gov/health/shpda/sh03toc.htm>> accessed March 4, 2005; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.27-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 1994 TO 2004

| Facilities and year | Persons active, Dec. 31 | Admissions | Discharges | Persons served |
|--|--------------------------------|-------------------|-------------------|-----------------------|
| Hawaii State Hospital: | | | | |
| 1994 | 199 | 275 | 271 | 470 |
| 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 |
| State-supported outpatient community mental health centers: | | | | |
| 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 |
| 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 |

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:
2000 TO 2004**

[Fiscal year ending June 30 unless otherwise specified]

| Year | Number of beds on June 30 1/ | Admissions | | Patients in hospital 3/ | |
|------|---------------------------------|------------|----------|-------------------------|------------|
| | | Total | First 2/ | Average | On June 30 |
| 2000 | 168 | 137 | 122 | 151 | 149 |
| 2001 | 168 | 183 | 88 | 158 | 157 |
| 2002 | 168 | 169 | 93 | 152 | 137 |
| 2003 | 168 | 184 | 101 | 167 | 174 |
| 2004 | 178 | 184 | 92 | 171 | 169 |

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 2004, about 1.9% of the patients were on leave or absent without leave.

Source: Hawaii State Hospital, records.

Table 2.29-- HANSEN'S DISEASE PATIENTS REGISTERED: 1999 TO 2003

| Subject | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------------|-------------|-------------|-------------|-------------|
| Patients on register, Dec. 31 | 320 | 321 | 316 | 289 | 283 |
| Department of Health's Hansen's Disease | | | | | |
| Community Program 1/ ^{1/} | 270 | 274 | 272 | 247 | 245 |
| Kalaupapa | 50 | 47 | 44 | 42 | 38 |
| New cases | 22 | 15 | 24 | 11 | 15 |
| Deaths | 6 | 3 | 1 | 2 | 1 |

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

[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 | 19,522 | 14,584 | 8,777 | 61,134 | 53,788 |
| Hawaii | 88 | 69 | 33 | 199 | 220 |
| Current users as percent of population: | | | | | |
| United States | 8.3 | 6.2 | 3.7 | 26.0 | 22.9 |
| Hawaii | 9.1 | 7.2 | 3.4 | 20.7 | 22.9 |

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 Use and Health*, annual, as cited in *Statistical Abstract of the United States: 2004-2005*, table 187 <<http://www.census.gov/prod/2004pubs/04statab/health.pdf>> accessed December 30, 2004.

**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 |

Continued on next page.

**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: JULY 12, 2004**

[Excludes inactive licenses]

| Place of address | Physicians and surgeons 1/ | Dentists | Registered nurses | Pharmacists |
|-------------------------|---------------------------------------|-----------------|------------------------------|--------------------|
| Total licensed | 6,413 | 1,288 | 14,676 | 1,594 |
| State of Hawaii | 3,445 | 968 | 10,553 | 931 |
| Hawaii | 327 | 90 | 1,159 | 92 |
| Maui | 272 | 73 | 953 | 85 |
| Lanai | 2 | - | 13 | - |
| Molokai | 10 | 3 | 28 | 2 |
| Oahu | 2,697 | 766 | 7,926 | 705 |
| Kauai | 137 | 36 | 474 | 47 |
| Mainland U.S. | 2,918 | 301 | 3,948 | 657 |
| Foreign | 50 | 19 | 175 | 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 2.34-- 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) | Expen-ses (\$1,000) | Annual payroll (\$1,000) | Paid employ-ees for pay period including March 12 (number) |
|------------|--|----------------------------|--------------------------------|---------------------|--------------------------|--|
| 62 | Health care and social assistance | 3,256 | 4,686,323 | (1/) | 1,983,971 | 56,169 |
| 621 | Ambulatory health care services 2/ | 2,533 | 2,058,065 | (1/) | 885,166 | 20,709 |
| 6211 | Offices of physicians | 1,149 | 852,781 | (1/) | 413,551 | 6,615 |
| 6212 | Offices of dentists | 693 | 350,176 | (1/) | 129,675 | 3,595 |
| 6213 | Offices of other health practitioners | 468 | 156,440 | (1/) | 59,665 | 2,310 |
| 6214 | Outpatient care centers | 106 | 393,909 | (1/) | 162,261 | 4,166 |
| 6215 | Medical and diagnostic laboratories | 36 | 151,388 | (1/) | 58,821 | 1,459 |
| 6216 | Home health care services | 50 | 88,751 | (1/) | 43,238 | 2,071 |
| 6219 | Other ambulatory health care service | 31 | 64,620 | (1/) | 17,955 | 493 |
| 622 | Hospitals | 29 | 1,885,677 | (1/) | 766,702 | 19,413 |
| 6221 | General medical and surgical | 23 | 1,638,655 | (1/) | 646,004 | 16,580 |
| 6222 | Psychiatric and substance abuse | 2 | (D) | (1/) | (D) | (3/) |
| 6223 | Specialty (except psychiatric and substance abuse) | 4 | (D) | (1/) | (D) | (4/) |
| 623 | Nursing and residential care facilities | 114 | 321,606 | (1/) | 152,542 | 6,206 |
| 6231 | Nursing care facilities | 41 | 215,919 | (1/) | 104,374 | 4,066 |
| 6232 | Residential mental retardation, mental health and substance abuse facility | 39 | 54,749 | (1/) | 28,839 | 1,180 |
| 6233 | Community care facilities for elderly | 24 | 43,722 | (1/) | 15,338 | 749 |
| 6239 | Other residential care facilities | 10 | 7,216 | (1/) | 3,991 | 211 |
| 624 | Social assistance | 580 | 420,975 | (1/) | 179,561 | 9,841 |
| 6241 | Individual and family services | 248 | 242,965 | (1/) | 108,766 | 5,945 |
| 6242 | Community food and housing, and emergency & other relief services | 68 | 67,903 | (1/) | 20,829 | 937 |
| 6243 | Vocational rehabilitation services | 56 | 58,700 | (1/) | 24,773 | 1,272 |
| 6244 | Child day care services | 208 | 51,407 | (1/) | 25,193 | 1,687 |

Continued on next page.

**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/) |

Continued on next page.

**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 |

Continued on next page.

**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 2003

[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 |

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, 2004. 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; 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 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:
2000 TO 2003**

[Place of occurrence basis]

| Subject | 2000 | 2001 | 2002 | 2003 |
|--------------------------------------|---------|---------|---------|--------|
| MARRIAGES | | | | |
| Number | 25,376 | 24,477 | 25,795 | 27,495 |
| Percent on Oahu | 42.7 | 44.1 | 43.4 | 42.8 |
| Percent Hawaii residents: | | | | |
| Both bride and groom | 33.3 | 34.1 | 31.3 | 30.5 |
| One partner only | 3.0 | 3.2 | 3.2 | 3.6 |
| Neither bride nor groom | 63.7 | 62.7 | 65.4 | 66.0 |
| Not reported 1/ | <0.1 | - | - | - |
| Median age (years): | | | | |
| Groom | 33 | 33 | 33 | 33 |
| Bride | 30 | 31 | 31 | 31 |
| Percent previously married: | | | | |
| Groom | 38.0 | 38.3 | 38.0 | 37.8 |
| Bride | 38.7 | 38.7 | 38.6 | 38.8 |
| DIVORCES AND ANNULMENTS | | | | |
| Number | 4,716 | 4,857 | 4,798 | (2/) |
| Divorces | 4,704 | 4,845 | 4,790 | (2/) |
| Annulments | 12 | 12 | 8 | (2/) |
| Not reported | - | - | - | (2/) |
| Percent occurring on Oahu | 74.0 | 74.2 | 74.2 | (2/) |
| Percent Hawaii residents: | | | | |
| Both partners | 75.5 | 75.0 | 74.8 | (2/) |
| One partner only | 22.8 | 23.5 | 23.5 | (2/) |
| Neither partner | <0.1 | <0.1 | <0.1 | (2/) |
| Not reported 1/ | 1.7 | 1.5 | 1.6 | (2/) |
| Median age (years): | | | | |
| Husband | 38 | 38 | 39 | (2/) |
| Wife | 36 | 36 | 36 | (2/) |
| Percent interracial | 3/ 45.1 | 4/ 49.4 | 4/ 49.1 | (2/) |
| Percent with children under 18 years | 51.1 | 50.6 | 49.1 | (2/) |
| Median years married | 7.4 | 7.5 | 7.6 | (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/ For this calculation, divorces where both husband and wife are in the "Part Hawaiian" or "Other races" categories are classified as non-interracial.

4/ 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: 2003**

[Place of occurrence basis]

| Race mixture and type of ceremony | Total | At least one partner Hawaii resident | Both partners nonresidents |
|--|--------------|---|-----------------------------------|
| All marriages | 27,495 | 9,354 | 18,141 |
| Race of partners: | | | |
| Both partners same race 1/ | 17,900 | 3,910 | 13,990 |
| Different race 2/ | 7,316 | 4,869 | 2,447 |
| Percent different race 3/ | 29.0 | 55.5 | 14.9 |
| Not reported 4/ | 2,279 | 575 | 1,704 |
| Type of ceremony: | | | |
| Civil ceremony | 3,501 | 2,892 | 609 |
| Religious ceremony | 23,994 | 6,462 | 17,532 |

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 2003

[Place of residence basis]

| Subject | 1990 | 2000 | 2003 | Percent | | |
|--------------------|---------|---------|------------|---------|-------|-------|
| | | | | 1990 | 2000 | 2003 |
| Married couples | 210,468 | 216,077 | 1/ 216,480 | 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 | 3,814 | 1.5 | 1.7 | 1.8 |
| Husbands | 2,234 | 2,574 | 2,751 | 1.1 | 1.2 | 1.3 |
| Wives | 886 | 1,084 | 1,063 | 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 209,560 while the upper bound is 223,400.

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 "American Community Survey 2003 Data Profile - Hawaii" (August 2004) accessed January 4, 2005.