

Section 2

VITAL STATISTICS AND HEALTH

This section presents data on births, deaths, marriages, divorces, diseases, accidents, drinking and smoking, height and weight, hospitals, and health personnel.

Vital indexes generally reflect the high health standards of Hawaii. Expectation of life at birth in 1984-86 was 75.37 years for males and 80.92 years for females. There were 6,696 resident deaths in 1991, or 5.9 per 1,000 resident population. Deaths under one year of age per 1,000 live births numbered 7.0 in 1991. Diseases of the heart have accounted for almost a third of all deaths in recent years; cancer, for one-fourth. Resident live births in 1991 numbered 19,880, or 17.5 per 1,000 resident population. The total fertility rate for civilians fell from 3,360 per 1,000 women in 1960 to 2,013 in 1988. Fully 96.7 percent of all babies were born in hospitals in 1991, and 18.3 percent were born to military couples. More than one out of four births was to an unmarried woman. There were 7,409 fetal deaths in 1991, including 5,692 elective abortions. Marriages numbered 17,764 in 1991, with over 43 percent accounted for by nonresidents. Divorces reached a 1991 total of 5,184. The State had 25 acute care hospitals (with 3,175 beds), 40 long-term care facilities (with 3,416 beds), and 11 specialty care facilities (with 810 beds) in 1990. There were 2,726 physicians and surgeons, 906 dentists, 8,552 professional nurses, and 606 pharmacists licensed and living in Hawaii as of February 1992. Acute conditions per 100 persons numbered 245 in 1988, with respiratory conditions the most common complaint (at 168 cases per 100 persons). Among chronic conditions reported in the 1988 survey data, the most frequently mentioned were hypertension (7.8 per 100 persons), impairments of the back or spine (6.7), and hayfever (6.4). The most common communicable diseases reported to authorities in 1991 were chickenpox, with 825 cases, and gonorrhea, with 695, but the most fatal was AIDS (79 deaths). State mental health facilities served 8,110 patients in 1991, but the number of in-patients at the end of the year was only 182. Among persons 18 years old and over in 1988, 9.4 percent were heavy drinkers and 23.8 percent were current regular cigarette smokers. Tooth decay was a serious problem among Island children. The average adult male was 67.5 inches tall and weighed 159.5 lbs.; the average adult female was 62.6 inches and 127.9 lbs.

The major source for data on vital statistics and health is the annual statistical report of 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: 1992 contain data for the nation as a whole.

Table 45.-- BIRTHS AND DEATHS: 1970 TO 1991

Calendar year	Resident births <u>1/</u>	Resident deaths <u>1/</u>	Rates per 1,000 resident population <u>2/</u>		Rates per 1,000 live births <u>3/</u>		
			Births	Deaths	Illegitimate births	Fetal deaths <u>4/</u>	Infant deaths <u>5/</u>
1970 ...	16,361	3,971	21.2	5.1	95.8	20.6	19.1
1971 ...	15,780	4,130	19.7	5.2	88.4	23.5	16.0
1972 ...	15,364	4,245	18.5	5.1	93.0	22.8	17.5
1973 ...	15,328	4,356	18.0	5.1	104.0	16.4	13.7
1974 ...	15,472	4,286	17.8	4.9	108.8	16.3	16.0
1975 ...	15,689	4,272	17.7	4.8	123.2	18.9	13.7
1976 ...	16,292	4,349	18.0	4.8	125.0	20.8	11.2
1977 ...	16,874	4,349	18.4	4.7	143.3	21.6	12.3
1978 ...	16,717	4,508	17.9	4.8	160.1	13.5	12.0
1979 ...	17,513	4,791	18.4	5.0	163.5	13.1	10.9
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

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 in present report.

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.

Table 46.-- BIRTHS AND DEATHS, BY MILITARY STATUS: 1989 TO 1991

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians <u>1/</u>			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births:						
1989	19,428	-	19,428	3,816	15,612	3,816
1990	20,528	-	20,528	4,091	16,437	4,091
1991	19,985	-	19,985	3,665	16,320	3,665
Deaths:						
1989	6,730	48	6,682	78	6,604	126
1990	7,055	40	7,015	78	6,937	118
1991	7,041	133	6,908	82	6,826	215
Birth rates: <u>2/</u>						
1989	15.6	0	16.3	63.3	13.8	32.7
1990	16.3	0	17.1	68.3	14.4	35.5
1991	15.9	0	16.6	57.9	14.3	31.1
Death rates: <u>2/</u>						
1989	5.4	0.9	5.6	1.3	5.8	1.1
1990	5.6	0.7	5.8	1.3	6.1	1.0
1991	5.6	2.4	5.7	1.3	6.0	1.8

1/ Death rates for military dependents based on 1980 age and sex composition of military dependents and 1980 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.

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

Table 47.-- LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 1986 TO 1991

[Place of residence basis]

Calendar year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rate <u>1/</u>			
1986	25,312	24.1	18,253	1,412	5,647
1987	25,931	24.3	18,555	1,405	5,971
1988	26,346	24.4	18,937	1,411	5,998
1989	26,083	23.8	19,335	1,468	5,280
1990	26,834	24.1	20,438	1,689	4,707
1991 <u>2/</u> ...	27,289	24.0	19,880	1,717	5,692

1/ Per 1,000 resident population, July 1.

2/ Excludes one birth, seven standard fetal deaths and seven elective abortions with unknown residence.

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

Table 48.-- BIRTHS AND DEATHS, BY PLACE OF OCCURRENCE AND RESIDENCE: 1990 AND 1991

Event and year	Occurring in Hawaii				Hawaii residents	
	Total	Resident	Non-resident	Not reported	Total	Out of State <u>1/</u>
Births:						
1990 ...	20,528	20,438	89	1	20,466	28
1991 ...	19,985	19,880	104	1	19,924	44
Deaths:						
1990 ...	7,055	6,687	364	4	6,879	192
1991 ...	7,041	6,696	335	10	6,894	198

1/ Data received from other States, as of October 1, 1992.

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

Table 49.-- CHARACTERISTICS OF RESIDENT BIRTHS: 1989 TO 1991

[Excludes births to Hawaii residents occurring out of state]

Subject	1989	1990	1991
Number of resident births	19,335	20,438	19,880
City and County of Honolulu	14,736	15,380	14,756
Percent on Oahu	76.2	75.3	74.2
Hawaii County	2,007	2,228	2,278
Kauai County	861	945	983
Maui County (incl. Kalawao)	1,731	1,885	1,863
Percent attended by M.D. or O.D. in hospital <u>1/</u>	98.3	98.2	96.7
Males per 100 females	104.8	105.3	108.2
Median weight of single births (grams)	3,317	3,318	3,315
Percent low birth weight (under 2,500 grams) ...	7.1	7.1	6.8
Percent single births under 40 weeks gestation .	48.9	48.6	48.1
Percent plural	2.3	2.0	2.2
Percent with 1 or more congenital malformations	1.4	1.4	1.6
Percent illegitimate	23.9	25.0	26.3
Percent with prenatal visit in first three months	70.5	68.9	68.8
Percent first child born to mother <u>2/</u>	29.9	29.1	29.0
Percent first child born alive to mother	42.1	42.5	41.7
Median age of mothers (years)	27	27	27
Median age of known fathers (years)	29	29	29

1/ Place of occurrence basis prior to 1991.

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

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

Table 50.-- CHILDREN EVER BORN PER 1,000 WOMEN 15 TO 44
YEARS OLD, FOR THE STATE AND OAHU: 1990

Age of women	State total	Oahu only
Women 15 to 24 years	289	281
Women 25 to 34 years	1,199	1,132
Women 35 to 44 years	1,812	1,778

Source: U.S. Bureau of the Census, 1990 CPH-L-80 and 81, table 1.

Table 51.-- RESIDENT BIRTHS, MIXED AND UNMIXED, BY MILITARY STATUS
OF PARENTS: 1991

Military status of parents	Total births	Unmixed	Mixed <u>1/</u>	Not certain <u>2/</u>
All groups	19,880	8,580	10,133	1,167
Military	3,620	2,653	888	79
Civilian	14,439	5,917	8,519	3
Status not reported	1,821	10	726	1,085

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."

Source: Hawaii State Department of Health, records.

Table 52.-- MOST COMMON FIRST NAMES ON BIRTH CERTIFICATES, BY SEX: 1991

[A total of 7,034 first names, including variant spellings, was reported for the 19,992 babies born in Hawaii in 1991]

Rank	Boys' names		Girls' names	
	Name	Number	Name	Number
1	Joshua	197	Ashley	159
2	Michael	187	Jessica	139
3	Matthew	153	Nicole	112
4	Christopher	149	Chelsea	85
5	Ryan	140	Kayla	81
6	Justin	138	Sarah	78
7	Nicholas	118	Brittany	76
8	Jordan	117	Samantha	76
9	Andrew	112	Jennifer	71
10	Brandon	106	Amanda	67

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

Table 53.-- MOST COMMON SURNAMES ON BIRTH AND DEATH CERTIFICATES: 1991

Rank	Birth certificates		Death certificates	
	Surname	Births	Surname	Deaths
1	Lee	97	Lee	41
2	Smith	89	Wong	38
3	Wong	74	Nakamura	27
4	Johnson	76	Chang	28
5	Williams	60	Smith	27
6	Jones	52	Ching	25
7	Kim	51	Tanaka	23
8	Brown	49	Rodrigues	22
9	Young	46	Higa	18
10	Garcia	41	Johnson	18

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

Table 54.-- SELECTED LIFE TABLE VALUES, BY SEX: 1984-1986

[For earlier years and rankings relative to other States, see
Data Book 1987, tables 69 and 70]

Age in years (period of life between two exact ages stated)	Of 100,000 born alive				Average remaining lifetime at beginning of year of age <u>1/</u>	
	Number living at be- ginning of year of age		Number dying during year of age		Male	Female
	Male	Female	Male	Female		
0-1	100,000	100,000	1,020	833	75.37	80.92
5-6	98,814	99,023	17	22	71.27	76.72
15-16.....	98,573	98,831	57	31	61.43	66.85
25-26	97,650	98,453	117	36	51.96	57.09
35-36	96,469	98,013	134	67	42.53	47.32
45-46	94,660	96,998	281	162	33.24	37.76
55-56	90,060	94,310	719	430	24.64	28.67
65-66	80,321	88,116	1,387	923	16.95	20.29
75-76	61,250	75,146	2,492	1,946	10.53	12.83
85-86	31,274	49,110	(<u>2/</u>)	(<u>2/</u>)	5.56	6.73

1/ For males and females combined, the average remaining lifetime at birth was 77.98 years. For the entire United States in 1985, the corresponding figure was 74.7 years (71.2 years for males and 78.2 years for females).

2/ Not calculated for this and higher ages.

Source: Robert W. Gardner, East-West Population Institute, Complete Life Tables by Age and Sex for Hawaii, 1984-86 (unpublished, September 11, 1987); Statistical Abstract of the United States: 1992, p. 76.

Table 55.-- CHARACTERISTICS OF RESIDENT DEATHS: 1989 TO 1991

[Excludes deaths to Hawaii residents occurring out of state]

Subject	1989	1990	1991
Number of resident deaths	6,381	6,687	6,696
City and County of Honolulu	4,634	4,796	4,793
Hawaii County	845	889	880
Kauai County	323	341	358
Maui County (incl. Kalawao)	579	661	665
Males per 100 females	139.7	139.2	137.2
Median age (years)	73	73	73
Centenarian deaths: Male	13	14	23
Female	27	36	37
Oldest (years): Male	104	105	109
Female	106	104	107
Percent married	45.9	46.7	46.0
Deaths under 1 year	156	132	140
Per 1,000 live births	8.1	6.5	7.0
Fetal deaths 1/	6,748	6,396	7,409
Per 1,000 deliveries	259	238	272
Fetal deaths, 20 or more weeks gestation 2/	193	213	209
Per 1,000 live births	10.0	10.4	10.5
Standard fetal deaths 3/	1,468	1,689	1,717
Elective abortions	5,280	4,707	5,692
Per 1,000 live births	273.1	230.3	286.3

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, Statistical Report (annual), and Office of Health Status Monitoring.

Table 56.-- CAUSE OF DEATH, BY SEX: 1991

[Place of residence basis]

Cause of death	Both sexes	Males	Females
Total deaths	6,696	3,873	2,823
Tuberculosis	11	7	4
Syphilis	-	-	-
Other infective	92	51	41
Malignant neoplasm	1,626	923	703
Digestive organs	502	294	208
Respiratory system	447	281	166
Breast	110	-	110
Genital organs	173	101	72
Urinary organs	49	34	15
Leukemia	52	37	15
Other	293	176	117
Diabetes mellitus	147	67	80
Heart disease	2,031	1,161	870
Rheumatic	19	4	15
Hypertensive	70	24	46
Ischemic	1,023	609	414
Other heart	919	524	395
Hypertension	19	10	9
Cerebrovascular disease	580	297	283
Arteriosclerosis	27	11	16
Other circulatory	91	54	37
Influenza/pneumonia	304	170	134
Chronic obstructive pulmonary diseases	222	122	100
Peptic ulcer	17	11	6
Cirrhosis of liver	72	51	21
Nephritis and nephrosis	65	36	29
Pregnancy, birth & puerperium	-	-	-
Congenital anomalies	40	26	14
Perinatal conditions	66	32	34
Ill-defined conditions	44	24	20
Other diseases	715	438	277
Accidents	243	187	56
Motor vehicles	135	100	35
Other	108	87	21
Suicide	118	91	27
Homicide & legal intervention	48	29	19
Other external causes	118	75	43

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

Table 57.-- CATASTROPHIC MORTALITY: 1982 TO 1992

[Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through December 2, 1992]

Date	Place	Kind of disaster	Deaths
1982: July 24	Near Wahiawa, Oahu	3-car auto crash	5
1983: June 16	Honopu, Kauai	Airplane crash	14
1985: Jan. 15	540 mi. N. of Honolulu .	Helicopter crash	7
1987: Dec. 23	At sea W. of Molokai ...	Airplane disappearance	8
1988: June 9	Near Waimanalo, Oahu ...	2-car auto crash	5
July 9	Near Kawaihae, Hawaii ..	2-car auto crash	6
1989: Jan. 31	Texas	Crash of Hawaii-bound airplane	19
Feb. 24	100 mi. S. of Honolulu .	Airplane door lost ...	9
June 11	Waimanu, Hawaii	Airplane crash	11
Oct. 28	Halawa, Molokai	Airplane crash	20
1990: Nov. 13	Near Puunene, Maui	3-car auto crash	5
1992: Jan. 14	Between Oahu and Maui ..	Airplane disappearance	5
Apr. 22	Haleakala summit, Maui .	Airplane crash	9

Source: Robert C. Schmitt, "Catastrophic Mortality in Hawaii: An Update," The Hawaiian Journal of History, Vol. 23 (1989), pp. 217-227; DBED file of newspaper accounts.

Table 58.-- DEATHS OCCURRING IN HAWAII, BY METHOD OF DISPOSITION: 1970 TO 1991

Method	1970	1980	1988	1989	1990	1991
All methods	4,197	5,204	6,315	6,730	7,055	7,041
Burial	2,197	2,343	2,543	2,740	2,798	2,723
Cremation	1,509	2,241	3,145	3,369	3,564	3,649
Removal	470	567	591	594	656	649
Entombment	13	44	29	19	35	12
Educational purpose	3	-	-	-	-	1
Other	-	1	-	-	-	-
Unknown	5	8	7	8	2	7

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

Table 59.-- STATE HEALTH OVERALL RANKING: 1990 AND 1991

Score content and year	Median State score	Hawaii score	Hawaii rank <u>1/</u>
Excluding environment: 1990	0	18	4
1991	3	24	1
Including environment: 1991	2 1/2	29	1

1/ The States were ranked from 1 (best) to 50 (worst).

Source: Northwestern National Life Insurance Company, The NWNL State Health Rankings, 1991 Edition, pp. 1, 2, 12.

Table 60.-- PERCENT OF PERSONS 18 YEARS AND OVER AFFECTED BY SPECIFIED HEALTH RISK FACTORS, BY SEX: 1988

[Based on a telephone survey of the noninstitutional population]

Health risk factor	Both sexes	Male	Female
Overweight	16.4	17.4	15.3
Sedentary life-style	53.3	48.2	58.4
Current regular cigarette smokers	23.8	26.4	21.2
Ever smoked cigarettes	45.2	52.4	38.1
Smoking quit ratio	47.3	49.6	44.3
Binge drinkers	19.6	29.3	10.0
Heavy drinkers	9.4	16.3	2.7
Drinking drivers	3.6	5.9	1.2
Seatbelt nonuse	6.5	9.2	3.9
Cholesterol ever measured	48.0	50.6	45.5
Cholesterol level ever told	28.7	32.0	25.5
Cholesterol level known	13.1	15.2	11.1

Source: U.S. Department of Health and Human Services, Centers for Disease Control, "Behavioral Risk Factor Surveillance, 1988," Morbidity and Mortality Weekly Report, Vol. 39, No. SS-2, June 1990.

Table 61.-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTIES:
1990 AND 1991

Date	State total	City and Co. of Honolulu	County of Hawaii	County of Kauai	County of Maui
1990: June 30	2,197	1,742	183	87	185
1991: June 30	2,185	1,707	201	87	190

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

Table 62.-- CHRONIC CONDITIONS: 1989

Selected chronic conditions	Prevalence of condition	Conditions per 1,000 persons
Malignant neoplasms	7,700	7.1
Benign and unspecified neoplasms ...	4,901	4.5
Thyroid disease	13,155	12.1
Diabetes	27,316	25.2
Mental and nervous condition	15,854	14.6
Heart disease	31,205	28.8
Hypertension	91,359	84.2
Varicose veins	11,163	10.3
Hemorrhoids	16,914	15.6
Bronchitis/emphysema	21,477	19.8
Asthma	47,802	44.1
Hayfever	81,484	75.1
Chronic sinusitis	50,444	46.5
Peptic ulcer	12,211	11.3
Gallbladder	11,523	10.6
Kidney disease	7,500	6.9
Skin condition	48,044	44.3
Arthritis	47,218	43.5
Visual impairment	9,960	9.2
Hearing impairment	48,710	44.9
Impairment of back or spine	76,768	70.8
Gout	12,249	11.3

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulation.

Table 63.-- ACUTE CONDITIONS: 1989

Condition	Incidence of condition per year	Conditions per 100 persons per year
All acute conditions	2,861,844	263.9
Infective parasitic diseases	184,380	17.0
Respiratory condition	1,974,624	182.1
Digestive system condition	65,352	6.0
Injuries	264,300	24.4
All other acute conditions	373,188	34.3

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulation.

Table 64.-- LIMITATION OF ACTIVITY DUE TO CHRONIC OR ACUTE CONDITIONS: 1989

Type of limitation	Number
Persons with one or more chronic conditions	481,457
No limitation of activity	369,642
Limited, but not in major activity	31,540
Limited in amount or kind of activity	43,716
Unable to carry on major activity	17,103
Not reported	19,456
Restricted activity days in past month <u>1/</u>	1,815,707
Per person <u>2/</u>	1.7

1/ A restricted activity day is one in which a person had to cut down on his usual activity for all or most of the day.

2/ Base includes persons without chronic or acute conditions or restricted activities.

Source: Hawaii State Department of Health, Hawaii Health Surveillance Survey Program, special tabulations.

Table 65.-- SPECIFIED COMMUNICABLE DISEASES: 1989 TO 1991

Disease	Cases			Deaths		
	1989	1990	1991	1989	1990	1991
AIDS <u>1/</u>	136	151	176	86	98	79
Chickenpox	2,211	2,007	825	-	-	-
Gonorrhea	731	639	695	-	-	-
Hansen's Disease <u>2/</u>	17	19	12	1	-	-
Hepatitis, all types	250	171	120	5	8	5
Influenza	1,638	199	135	1	3	-
Leptospirosis <u>3/</u>	69	43	33	1	-	1
Malaria <u>4/</u>	8	8	4	-	-	-
Measles (Rubeola)	29	41	12	-	-	-
Meningitis, all types	199	136	80	9	6	6
Mumps	20	26	30	-	-	-
Rubella	13	8	9	-	-	-
Salmonellosis	371	458	373	-	-	-
Syphilis	18	19	10	-	-	-
Tuberculosis	193	205	202	4	6	11

1/ By date of diagnosis, with deaths allocated back to year when first reported. Data prior to 1991 are revised.

2/ Excludes reinstated cases.

3/ Includes previously unreported cases.

4/ Acquired outside the State.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Epidemiology Branch, and AIDS Surveillance Program, records.

Table 66.-- TOOTH DECAY AMONG PUBLIC SCHOOL PUPILS, FOR THE UNITED STATES, 1986-1989, AND HAWAII, 1989

Characteristics	U.S.	Hawaii
Dental caries prevalence per child:		
Primary or deciduous teeth <u>1/</u>	1.884	3.658
Secondary or permanent teeth <u>2/</u>	0.818	0.897
Percent of 5-year old public school pupils with baby bottle tooth decay (3 or more decayed maxillary anterior teeth)	5.0	15.8
Percent of 6- to 8-year old students with--		
Untreated primary or permanent tooth decay <u>3/</u>	27.0	36.2
One or more decayed primary or permanent teeth	53.0	96.9

1/ Mean decayed or filled for ages 5-9, cumulative. U.S. rate is for 1987.

2/ Mean decayed, missing or filled for ages 5-12, cumulative. U.S. rate is for 1987.

3/ Teeth with active decay and in need of treatment. U.S. rate is for 1986.

4/ Decayed, missing due to decay, or filled.

Source: Hawaii from Hawaii State Department of Health, Dental Health Division. U.S. from National Survey of Dental Caries in U.S. School Children: 1986-1987; Louis Ripa, "Nursing Caries: A Comprehensive Review," Pediatric Dentistry, Dec. 1988; and National Year 2000 Oral Health Objectives (1990).

Table 67.-- HUNGER, BY AGE: 1992

[Includes all persons in households in which some individual(s) missed meals for economic reasons during the past year]

Subject	All ages	Under 6	6 to 11	12 to 17	18 to 59	60 and over
Number	176,443	21,042	23,928	13,936	109,524	8,013
Percent	14.2	19.2	21.3	18.9	14.1	4.8

Source: SMS Research, Homelessness and Hunger in Hawaii, submitted to Homeless Aloha, June 15, 1992, p. 32.

Table 68.-- NUMBER AND BED CAPACITY OF HOSPITALS AND CARE HOMES,
BY TYPE OF FACILITY: 1986 TO 1991

[Includes Tripler Army Medical Center]

Category and year	Hospitals				Care homes	
	Total <u>1/</u>	Acute care	Long-term care	Specialty care	Fam-ily <u>2/</u>	Resi-dent-ial <u>3/</u>
Number of facilities:						
1986	48	23	33	9	633	17
1987	51	23	36	9	633	17
1988	51	22	36	9	531	16
1989	52	22	38	8	515	16
1990	57	24	40	11	501	15
1991	58	24	41	13	494	14
Number of beds:						
1986	6,595	2,870	2,769	956	2,547	540
1987	6,820	2,887	2,977	956	2,547	540
1988	6,671	2,855	2,995	821	2,235	490
1989	6,854	2,855	3,191	808	2,184	481
1990	7,401	3,175	3,416	810	2,162	449
1991	7,433	3,169	3,475	789	2,159	450

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

2/ Four or fewer beds for 1986, thereafter five beds or fewer.

3/ Five or more beds for 1986, six or more thereafter.

Source: Hawaii State Department of Health, State Health Planning and Development Agency, records, and Hospital and Medical Facilities Branch, records.

Table 69.-- OCCUPANCY CHARACTERISTICS OF ACUTE AND LONG-TERM CARE
CIVILIAN HOSPITALS: 1986 TO 1991

[Excludes Tripler Army Medical Center]

Type of facility and year	Beds Dec. 31	Admissions	Average daily census	Average length of stay (days)	Average daily percent occupancy
Acute care:					
1986 ^{1/}	2,378	91,704	1,586	6.3	66.7
1987	2,346	93,256	1,661	6.5	70.8
1988 ^{1/}	2,835	117,548	2,074	6.4	73.3
1989	2,351	91,686	1,722	6.7	73.3
1990	2,532	93,511	1,755	6.8	69.4
1991	2,593	96,961	1,814	6.8	70.0
Long-term care:					
1986 ^{1/}	2,977	2,901	2,602	327	87.4
1987	2,995	2,553	2,779	397	92.8
1988 ^{1/}	3,187	2,746	2,907	376	91.7
1989	3,212	2,653	2,993	409	93.5
1990	3,401	3,137	3,165	368	93.1
1991	3,443	3,181	3,216	369	93.4

^{1/} Excludes statistics for Lanai.

Source: Hawaii State Department of Health, Statistical Report (annual); State Health Planning and Development Agency, Utilization of Inpatient Facilities (various years), and records.

Table 70.-- NUMBER AND BED CAPACITY OF HOSPITALS AND CARE HOMES,
BY TYPE OF FACILITY, BY ISLANDS: 1991-1993

[Except for Tripler Army Medical Center, data are for facilities recognized by the Hawaii State Health Planning and Development Agency. Excludes Tripler Army Medical Center which had a bed capacity of 535]

Category and island	Hospitals, December 31, 1991				Care homes, Jan. 1993	
	Total <u>1/</u>	Acute care	Long-term care	Specialty care	Type I <u>2/</u>	Type II <u>3/</u>
NUMBER OF FACILITIES						
State total ..	60	24	40	14	490	14
Oahu	39	11	24	10	393	10
Hawaii	7	5	7	-	52	-
Kauai	6	3	5	1	21	3
Maui	5	3	2	2	16	-
Molokai	2	1	1	1	8	1
Lanai	1	1	1	-	-	-
NUMBER OF BEDS						
State total ..	6,811	2,593	3,443	775	2,175	436
Oahu	5,173	2,082	2,344	747	1,794	370
Hawaii	710	236	474	-	207	-
Kauai	371	114	252	5	74	52
Maui	499	147	343	9	66	-
Molokai	44	8	22	14	34	14
Lanai	14	6	8	-	-	-

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

2/ Five beds or fewer.

3/ More than five beds.

Source: Hawaii State Department of Health, State Health Planning and Development Agency, Utilization of Inpatient Facilities, 1991, and Hospital and Medical Facilities Branch, records.

Table 71.-- OCCUPANCY CHARACTERISTICS OF ACUTE AND LONG-TERM CARE
CIVILIAN HOSPITALS, BY ISLANDS: 1991

[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	96,961	1,814	6.8	70.0
Oahu	74,086	1,458	7.2	70.0
Hawaii	9,518	168	6.4	71.2
Kauai	4,806	54	4.1	47.5
Maui	8,323	132	5.8	90.9
Molokai	163	1	2.6	14.6
Lanai	65	1	2.8	8.3
LONG-TERM CARE				
State total	3,181	3,216	369	93.4
Oahu	2,175	2,153	361	91.8
Hawaii	403	468	424	98.8
Kauai	335	239	261	94.9
Maui	188	332	645	96.8
Molokai	65	19	108	87.7
Lanai	15	5	127	65.0

NA Not available.

Source: Data by islands from Hawaii State Department of Health, State Health Planning and Development Agency, Utilization of Inpatient Facilities by County.

Table 72.-- COMMUNITY HOSPITAL AVERAGE COSTS AND ROOM CHARGES:
1984 TO 1990

Year	Average length of stay (days)	Average cost to hospital		Hospital semiprivate room charges 1/ (dollars)
		Per in-patient day (dollars)	Per admission (dollars)	
1984	8.3	383.05	3,186	224
1985	8.3	420.11	3,522	231
1986	7.5	489.93	3,707	253
1987	7.9	512.48	4,106	242
1988	8.9	517.16	4,651	257
1989	9.0	549.90	5,077	317
1990	(NA)	(NA)	(NA)	348

NA Not available.

1/ January data.

Source: Health Insurance Association of America, Source Book of Health Insurance Data (biennial) and Update (biennial).

Table 73.-- PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES:
1986 TO 1991

Year	Patients active, end of period			Admissions		Terminations	Patients served (undup.)
	Total	In-patients	Out-patients	Total	Unduplicated		
1986	5,852	252	5,600	3,826	3,292	3,725	8,342
1987	5,754	248	5,506	3,678	3,122	3,452	8,220
1988	5,234	260	4,974	3,694	3,147	4,143	8,389
1989	5,448	251	5,197	3,943	3,306	3,644	8,003
1990	5,487	205	5,282	3,660	3,237	3,569	8,044
1991	5,441	182	5,259	3,094	2,881	2,010	8,110

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

Table 74.-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:
1989 TO 1992

[Includes children's unit at Leahi Hospital assigned to the
Hawaii State Hospital]

Year	Number of beds, June 30	Admissions <u>1/</u>		Patients in hospital <u>2/</u>	
		Total	First	Average <u>1/</u>	June 30
1989	240	863	711	242	238
1990	240	811	618	242	209
1991	215	354	293	195	165
1992	202	398	324	182	197

1/ Year ended June 30.

2/ Includes patients on leave and absent without leave.

Source: Hawaii State Hospital, records.

Table 75.-- WAIMANO TRAINING SCHOOL AND HOSPITAL: 1990 TO 1992

[Waimano Training School and Hospital is the State institution for the
mentally retarded]

Year	Beds, June 30	Admissions <u>1/</u>	Patients in residence		Patients on leave, June 30
			Average <u>2/</u>	June 30	
1990	205	10	153	158	6
1991	195	2	148	134	6
1992	172	1	114	112	-

1/ Year ended June 30. Excluding returns from community placement.

2/ Year ended June 30.

Source: Waimano Training School and Hospital, records.

Table 76.-- HANSEN'S DISEASE PATIENTS REGISTERED: 1987 TO 1991

Subject	1987	1988	1989	1990	1991
Patients on register, Dec. 31 ..	633	571	541	498	487
At home	532	474	447	405	397
Kalaupapa	97	93	90	89	86
Hale Mohalu at Leahi	4	4	4	4	4
New cases	24	20	18	18	19
Deaths	6	13	14	9	3

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

Table 77.-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS LICENSED IN HAWAII, BY PLACE OF ADDRESS: FEBRUARY 6, 1992

Place of address	Physicians and surgeons <u>1/</u>	Dentists	Registered nurses	Pharmacists
Total licensed..	5,007	1,182	10,923	1,030
Hawaii addresses ...	2,726	906	8,552	606
Hawaii	219	82	778	60
Maui	187	55	654	50
Lanai	2	1	10	1
Molokai	6	4	31	2
Oahu	2,215	728	6,729	466
Kauai	97	36	350	27
Niihau	-	-	-	-
Out of State.....	2,199	273	2,192	418
Not reported	82	3	179	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 78.-- PRESCRIPTIONS AND PHARMACISTS: 1987

Subject	Number
Number of establishments with payroll, total	98
Filling prescriptions paid for in part or in full by third parties .	97
Sales (\$1,000)	437,083
Paid employees for pay period including March 12, total	2,614
Pharmacists	263
Prescriptions, total (1,000)	4,799
Refills	1,091
Third party prescriptions as percent of total prescriptions, median ..	27.5

Source: U.S. Bureau of the Census, 1987 Census of Retail Trade, Miscellaneous Subjects, RC87-S-4 (October 1990), tables 17 and 19.

Table 79.-- HEIGHT AND WEIGHT OF PERSONS 18 YEARS OLD AND OVER,
BY SEX: 1975-1980

[Based on a sample of approximately 48,000 Hawaii residents 18 years old and over. Height and weight values are those reported by respondents; inclusion or exclusion of clothing or shoes not specified. Fractional values of 1/2 and over have been rounded upward. For further information, see Data Book 1984, tables 104-107]

Measure	Height (inches)		Weight (pounds)	
	Men	Women	Men	Women
10th centile	63.1	59.3	126.4	100.8
50th centile (median)	67.4	62.4	158.3	123.8
90th centile	72.1	66.5	199.5	166.9
Average	67.5	62.6	159.5	127.9

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulations.

Table 80.-- MARRIAGES AND DIVORCES: 1970 TO 1991

[Place of occurrence basis]

Calendar year	Marriages		Divorces and annulments <u>2/</u>	Rates per 1,000 resident population		Percent of marriages	
	Total	Resi- dent <u>1/</u>		Resident marriages	Divorces, annulments <u>2/</u>	Nonresi- dent <u>3/</u>	Inter- racial <u>4/</u>
1970 ...	10,599	7,889	2,589	10.2	3.4	25.6	40.7
1971 ...	9,734	8,104	3,691	10.1	4.6	16.7	42.7
1972 ...	9,750	8,482	3,891	10.2	4.7	13.0	41.7
1973 ...	9,776	8,656	4,170	10.2	4.9	11.5	43.7
1974 ...	9,649	8,500	4,111	9.8	4.7	11.9	43.2
1975 ...	9,673	8,440	4,265	9.5	4.8	12.7	43.1
1976 ...	9,769	8,318	4,712	9.2	5.2	14.9	43.2
1977 ...	10,266	8,427	4,601	9.2	5.0	17.9	43.3
1978 ...	10,736	8,650	4,837	9.3	5.2	19.4	44.5
1979 ...	11,678	9,424	5,055	9.9	5.3	19.3	44.6
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	9.4	4.7	43.1	45.9
1991 ...	17,764	10,051	5,184	8.9	4.6	43.4	43.9

NA Not available.

1/ One or both partners residents of Hawaii.2/ Final decrees only. An interlocutory decree of six months was abolished July 1, 1971.3/ Both partners nonresidents of Hawaii.4/ Excludes nonresident marriages.Source: Hawaii State Department of Health, Statistical Report (annual), and records.

Table 81.-- MARRIAGE AND DIVORCE RATES BASED ON RISK POPULATION:
1910 TO 1990

Census year	Females 15 years old and over <u>1/</u>		Marriages <u>2/</u>		Divorces <u>2/</u>	
	Unmarried <u>3/</u>	Married <u>4/</u>	Number	Rate <u>5/</u>	Number	Rate <u>6/</u>
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, and 1980, and records.

Table 82.-- CHARACTERISTICS OF MARRIAGES AND DIVORCES: 1988 TO 1991

[Place of occurrence basis]

Subject	1988	1989	1990	1991
MARRIAGES				
Number	17,281	17,974	18,306	17,764
Percent on Oahu	58.8	57.7	58.3	57.9
Percent Hawaii residents:				
Both bride and groom	52.2	51.3	53.1	52.4
One partner only	4.0	4.1	3.7	4.2
Neither bride nor groom	43.8	44.6	43.1	43.4
Median age (years):				
Groom	31	31	31	31
Bride	28	28	28	29
Percent previously married:				
Groom	40.4	39.8	39.5	38.8
Bride	39.8	40.4	40.1	39.2
DIVORCES AND ANNULMENTS				
Number	5,020	5,613	5,179	5,184
Divorces	5,005	5,600	5,163	5,161
Annulments	14	13	10	13
Not reported	1	-	6	10
Percent occurring on Oahu	79.8	78.5	77.5	76.7
Percent Hawaii residents:				
Both partners	76.1	75.4	73.9	76.4
One partner only	23.6	23.1	26.0	23.3
Neither partner	0.3	0.1	0.2	0.2
Median age (years):				
Husband	34.9	35	35	35
Wife	32.6	32	33	33
Percent interracial ^{1/}	40.5	39.4	40.3	40.0
Percent with children under 18 years	52.2	55.3	52.1	52.1
Median years married	6.6	6.2	6.3	6.3

^{1/} 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.

Table 83.-- MARRIAGES OCCURRING IN HAWAII, RESIDENT AND NONRESIDENT,
BY RACE MIXTURE AND TYPE OF CEREMONY: 1991

Race mixture and type of ceremony	Total	At least one partner Hawaii resident	Both partners nonresidents
All marriages	17,764	10,051	7,713
Race of partners:			
Both partners same race <u>1/</u>	12,387	5,488	6,899
Different	5,377	4,563	814
Percent different	30.3	45.4	10.6
Type of ceremony:			
Civil ceremony	4,651	3,791	860
Religious ceremony	13,112	6,259	6,853
Unknown	1	1	-

1/ Includes marriages with both partners of unknown race.
Source: Hawaii State Department of Health, special tabulations.

Table 84.-- MARITAL DISSOLUTION: 1970 TO 1990

Subject	1970	1980	1990	Percent		
				1970	1980	1990
Married couples	154,678	185,698	210,468	100.0	100.0	100.0
Marriages ended	4,466	6,782	8,292	2.9	3.7	3.9
By divorce	2,589	4,438	5,172	1.7	2.4	2.5
By death	1,877	2,344	3,120	1.2	1.3	1.5
Husbands	1,312	1,678	2,234	0.8	0.9	1.1
Wives	565	666	886	0.4	0.4	0.4

Source: Hawaii State Department of Health, Statistical Report (annual), and records. U.S. Bureau of the Census, 1970 Census of Population, PC(1)-C13, table 52; 1980 Census of Population, PC80-1-B13, table 21; and Release CB91-133 (April 22, 1991).

Table 85.-- HEALTH SPENDING BY FAMILIES AND BUSINESSES: 1980 AND 1991

[Health payments cover the delivery of all health services and supplies and the purchase of medical products, including prescription drugs and vision products in retail outlets. It also includes government public health expenditures, the administrative costs of public programs, and the net cost of private insurance. Data exclude non-patient revenue, research and construction]

Subject	1980	1991
Total health payments (million dollars)	946	3,252
By families	641	2,079
By businesses	305	1,173
Average health payments per family (dollars)	2,701	7,190
By families	1,829	4,596
By businesses	872	2,594
Average health payments by families (dollars)	1,829	4,596
Out-of-pocket	575	1,379
Insurance	200	757
Medicare payroll tax	128	341
Medicare premiums	25	100
General taxes	901	2,020
Rank among 50 States	12	7
Percent of average family income	8.2	10.0
Total health payments by businesses (million dollars) ...	305	1,173
Insurance	181	744
Medicare payroll tax	45	154
General taxes	47	169
Other	33	106

Source: Families USA Foundation, Health Spending: The Growing Threat to the Family Budget (December 1991).