

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 6,687 resident deaths in 1990, or 6.0 per 1,000 resident population. Deaths under one year of age per 1,000 live births numbered 7.1 in 1990. Diseases of the heart have accounted for almost a third of all deaths in recent years; cancer, for one-fourth. Resident live births in 1990 numbered 20,438, or 18.4 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 98.2 percent of all babies were born in hospitals in 1990, and one-fifth were born to military couples. One out of four births was to an unmarried woman. There were 6,396 fetal deaths in 1990, including 4,707 elective abortions. Marriages numbered 18,306 in 1990, with about 46 percent accounted for by nonresidents. Divorces reached a 1990 total of 5,179. 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 2,563 physicians and surgeons, 915 dentists, 8,848 professional nurses, and 591 pharmacists licensed and living in Hawaii as of February 1991. 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 1990 were scarlet fever, with 4,771 cases, and chicken pox, with 2,007, but the most fatal was AIDS (60 deaths). State mental health facilities served 8,044 patients in 1990, but the number of in-patients at the end of the year was only 205. 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: 1991 contain data for the nation as a whole.

Table 40.-- BIRTHS AND DEATHS: 1970 TO 1990

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	6,380	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

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 estimates in present report, table 2.

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 41.-- BIRTHS AND DEATHS, BY MILITARY STATUS: 1989 AND 1990

[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
Deaths:						
1989	6,730	48	6,682	78	6,604	126
1990	7,055	40	7,015	78	6,937	118
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
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

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, based on estimates in present report, tables 2 and 3.

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

Table 42.-- LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 1985 TO 1990

[Place of residence basis]

Calendar year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rate <u>1/</u>			
1985	25,335	24.4	18,267	1,473	5,595
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 <u>2/</u> ...	26,834	24.1	20,438	1,689	4,707

1/ Per 1,000 resident population, July 1. From present report, table 2.

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

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

Table 43.-- BIRTHS AND DEATHS, BY PLACE OF OCCURRENCE AND RESIDENCE: 1989 AND 1990

Event and year	Occurring in Hawaii				Hawaii residents	
	Total	Resident	Non-resident	Not reported	Total	Out of State <u>1/</u>
Births:						
1989 ...	19,428	19,335	93	-	19,361	26
1990 ...	20,528	20,438	89	1	20,466	28
Deaths:						
1989 ...	6,730	6,380	211	139	6,551	171
1990 ...	7,055	6,687	364	4	6,879	192

1/ Data received from other States.

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

Table 44.-- CHARACTERISTICS OF RESIDENT BIRTHS: 1988 TO 1990

[Excludes births to Hawaii residents occurring out of state]

Subject	1988	1989	1990
Number of resident births	18,937	19,335	20,438
City and County of Honolulu	14,430	14,736	15,380
Percent on Oahu	76.2	76.2	75.3
Hawaii County	1,980	2,007	2,228
Kauai County	873	861	945
Maui County (incl. Kalawao)	1,654	1,731	1,885
Percent attended by M.D. or O.D. in hospital <u>1/</u>	98.6	98.3	98.2
Males per 100 females	103.6	104.8	105.3
Median weight of single births (grams)	3,315	3,317	3,318
Percent low birth weight (under 2,500 grams) ...	6.9	7.1	7.1
Percent single births under 40 weeks gestation .	51.1	48.9	48.6
Percent plural	1.8	2.3	2.0
Percent with 1 or more congenital malformations	3.2	1.4	1.4
Percent illegitimate	22.4	23.9	25.0
Percent with prenatal visit in first three months	71.6	70.5	68.9
Percent first child born to mother <u>2/</u>	30.3	29.9	29.1
Percent first child born alive to mother	42.1	42.1	42.5
Median age of mothers (years)	27.1	27	27
Median age of known fathers (years)	29.6	29	29

1/ Place of occurrence basis.

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

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

Table 45.-- FERTILITY RATES, BY MILITARY STATUS: 1980 AND 1988

[Military dependents are included in the military category. For 1960 and 1970 data, see Data Book 1987, table 60]

Military status	Crude birth rate <u>1/</u>		General fertility rate <u>2/</u>		Total fertility rate <u>3/</u>	
	1980	1988	1980	1988	1980	1988
Total	18.8	17.4	78.7	73.5	2,084	2,158
Civilian	16.5	15.7	68.9	66.5	1,871	2,013
Military	35.0	30.2	147.5	126.9	3,496	2,930

1/ Annual number of live births per 1,000 resident population.

2/ Annual number of live births per 1,000 women 15-44 years of age.

3/ Average number of children to whom 1,000 women would give birth according to a set of fertility rates providing the women survive the childbearing years.

Source: 1980 calculated by Eleanor C. Nordyke, East-West Population Institute; 1988 estimated by Hawaii State Data Center.

Table 46.-- RESIDENT BIRTHS, MIXED AND UNMIXED, BY MILITARY STATUS OF PARENTS: 1990

Military status of parents	Total births	Unmixed	Mixed <u>1/</u>	Not certain <u>2/</u>
All groups	20,438	8,921	10,379	1,138
Military	4,059	2,998	971	90
Civilian	14,531	5,922	8,604	5
Status not reported	1,848	1	804	1,043

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 47.-- MOST COMMON FIRST NAMES ON BIRTH CERTIFICATES, BY SEX: 1990

[A total of 6,789 first names, including variant spellings, was reported for the 20,528 babies born in Hawaii in 1990]

Rank	Boys' names		Girls' names	
	Name	Number	Name	Number
1	Joshua	213	Ashley	186
2	Michael	204	Jessica	147
3	Christopher	183	Nicole	118
4	Justin	169	Brittany	109
5	Matthew	143	Jennifer	94
6	Jordan	137	Sarah	93
7	Ryan	126	Amanda	87
8	Brandon	120	Michelle	86
9	James	118	Lauren	84
10	Daniel	116	Chelsea	83

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

Table 48.-- MOST COMMON SURNAMES ON BIRTH AND DEATH CERTIFICATES: 1990

Rank	Birth certificates		Death certificates	
	Surname	Births	Surname	Deaths
1	Lee	105	Lee	51
2	Smith	74	Wong	37
3	Wong	71	Kim	28
4	Johnson	67	Nakamura	27
5	Williams	65	Tanaka	27
6	Kim	62	Ching	23
7	Brown	55	Lum	23
8	Jones	48	Yamamoto	23
9	Martin	40	Chang	22
10	Ramos	40	Smith	21

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

Table 49.-- 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: 1989, p. 71.

Table 50.-- CHARACTERISTICS OF RESIDENT DEATHS: 1987 TO 1990

[Excludes deaths of Hawaii residents occurring out of state]

Subject	1987	1988	1989	1990
Number of resident deaths	6,147	5,970	6,380	6,687
City and County of Honolulu	4,534	4,304	4,634	4,796
Hawaii County	784	793	845	889
Kauai County	305	339	323	341
Maui County (incl. Kalawao)	522	534	578	661
Males per 100 females	144.4	145.1	139.7	139.2
Median age (years)	72.2	72.9	73	73
Centenarian deaths: Male	14	14	13	14
Female	21	24	27	36
Oldest (years): Male	107	102	104	105
Female	103	107	106	104
Percent married	46.9	48.2	45.9	46.7
Deaths under 1 year	164	131	156	132
Per 1,000 live births	8.8	7.4	8.1	6.5
Fetal deaths <u>1/</u>	7,264	7,409	6,748	6,396
Per 1,000 deliveries	392	281	259	238
Fetal deaths, 20 or more weeks gestation <u>2/</u>	183	205	193	213
Per 1,000 live births	9.2	10.8	10.0	10.4
Standard fetal deaths <u>3/</u>	1,405	1,411	1,468	1,689
Elective abortions	5,971	5,998	5,280	4,707
Per 1,000 live births	321.8	314.8	273.1	230.3

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 51.-- CAUSE OF DEATH, BY SEX: 1990

[Place of residence basis]

Cause of death	Both sexes	Males	Females
Total deaths	6,687	3,892	2,795
Tuberculosis	4	3	1
Syphilis	1	-	1
Other infective	176	135	41
Malignant neoplasm	1,644	961	683
Digestive organs	536	342	194
Respiratory system	412	277	135
Breast	123	-	123
Genital organs	167	105	62
Urinary organs	44	29	15
Leukemia	54	44	10
Other	308	164	144
Diabetes mellitus	163	88	75
Heart disease	2,084	1,188	896
Rheumatic	25	13	12
Hypertensive	55	25	30
Ischemic	1,078	632	446
Other heart	926	518	408
Hypertension	13	7	6
Cerebrovascular disease	514	263	251
Arteriosclerosis	34	16	18
Other circulatory	103	62	41
Aneurysm	-	-	-
Influenza/pneumonia	282	148	134
Chronic obstructive pulmonary diseases	224	132	92
Peptic ulcer	13	9	4
Cirrhosis of liver	77	47	30
Nephritis and nephrosis	48	26	22
Pregnancy, birth & puerperium	2	-	2
Congenital anomalies	36	14	22
Perinatal conditions	63	37	26
Ill-defined conditions	62	36	26
Other diseases	504	263	241
Accidents	291	219	72
Motor vehicles	173	126	47
Other	118	93	25
Suicide	132	102	30
Homicide & legal intervention	42	32	10
Other external causes	175	104	71

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

Table 52.-- CATASTROPHIC MORTALITY: 1981 TO 1991

[Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through September 30, 1991]

Date	Place	Kind of disaster	Deaths
1981: Dec. 5	Pearl Harbor	Airplane crash	11
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

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 53.-- DEATHS OCCURRING IN HAWAII, BY METHOD OF DISPOSITION: 1970 TO 1990

Method	1970	1980	1987	1988	1989	1990
All methods	4,197	5,204	6,490	6,315	6,730	7,055
Burial	2,197	2,343	2,690	2,543	2,740	2,798
Cremation	1,509	2,241	3,185	3,145	3,369	3,564
Removal	470	567	565	591	594	656
Entombment	13	44	39	29	19	35
Educational purpose	3	-	-	-	-	-
Other	-	1	-	-	-	-
Unknown	5	8	11	7	8	2

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

Table 54.-- 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 55.-- 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 56.-- CHRONIC CONDITIONS: 1988

Selected chronic conditions	Prevalence of condition	Conditions per 1,000 persons
Malignant neoplasms	7,373	6.9
Benign and unspecified neoplasms ...	5,404	5.1
Thyroid disease	11,887	11.2
Diabetes	23,581	23.3
Mental and nervous condition	11,172	10.6
Heart condition	27,671	26.2
Hypertension	82,539	78.1
Varicose veins	8,646	8.2
Hemorrhoids	14,262	13.5
Bronchitis/emphysema	17,391	16.5
Asthma	48,196	45.6
Hayfever	67,322	63.7
Chronic sinusitis	48,520	45.9
Stomach ulcer	9,822	9.3
Gallbladder	9,198	8.7
Kidney stone	6,843	6.5
Skin condition	49,731	47.1
Arthritis	37,719	35.7
Visual impairment	10,162	9.6
Hearing impairment	42,427	40.2
Impairment of back or spine	71,119	67.3
Gout	39,119	37.0

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

Table 57.-- ACUTE CONDITIONS: 1988

Condition	Incidence of condition per year	Conditions per 100 persons per year
All acute conditions	2,590,589	245.2
Infective parasitic diseases	90,760	8.6
Respiratory condition	1,776,650	168.1
Digestive system condition	71,212	6.7
Injuries	241,134	22.8
All other acute conditions	410,833	38.9

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

Table 58.-- LIMITATION OF ACTIVITY DUE TO CHRONIC OR ACUTE CONDITIONS: 1988

Type of limitation	Number
Persons with one or more chronic conditions	441,362
No limitation of activity	339,299
Limited, but not in major activity	26,102
Limited in amount or kind of activity	41,859
Unable to carry on major activity	12,882
Not reported	21,220
Restricted days in past 12 months <u>1/</u>	12,672,145
Per person <u>2/</u>	8.6

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 59.-- 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 ^{1/}	1.884	3.658
Secondary or permanent teeth ^{2/}	0.818	0.897
Percent of 5-year old students with baby bottle tooth decay (3 or more decayed maxillary anterior teeth) .	5.0	14.3
Percent of 6- to 8-year old students with--		
Untreated primary or permanent tooth decay ^{3/}	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 60.-- SPECIFIED COMMUNICABLE DISEASES: 1988 TO 1990

Disease	Cases			Deaths		
	1988	1989	1990	1988	1989	1990
All reportable diseases ..	9,683	11,303	9,394	110	95	87
AIDS <u>1/</u>	140	127	144	91	68	60
Chickenpox	840	2,211	2,007	-	-	-
Gonorrhea	875	731	639	-	-	-
Hansen's Disease <u>2/</u>	20	17	19	-	1	-
Hepatitis, all types	127	250	171	4	5	8
Influenza	660	1,638	199	-	1	3
Leptospirosis <u>3/</u>	67	69	43	-	1	-
Malaria <u>4/</u>	10	8	8	-	-	-
Measles (Rubeola)	17	29	41	-	-	-
Meningitis, all types	170	199	136	-	9	6
Mumps	24	20	26	-	-	-
Rubella	33	13	8	-	-	-
Salmonellosis	508	371	458	-	-	-
Scarlet fever, other strep. ...	5,671	5,085	4,771	-	3	2
Syphilis	122	18	19	-	-	-
Tuberculosis	171	193	205	15	4	6
All others	228	<u>5/</u> 324	500	-	3	2

1/ By date of diagnosis, with deaths allocated back to year when first reported. Data prior to 1990 are revised.

2/ Excludes reinstated cases.

3/ Includes previously unreported cases.

4/ Acquired outside the State.

5/ Includes 31 incidents of gastroenteritis involving 2 or more persons.

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

Table 61.-- 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-tial <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	25	40	11	501	15
1991	(NA)	(NA)	(NA)	(NA)	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	(NA)	(NA)	(NA)	(NA)	2,159	450

NA Not available.

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

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

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 62.-- OCCUPANCY CHARACTERISTICS OF ACUTE AND LONG-TERM CARE
CIVILIAN HOSPITALS: 1985 TO 1990

[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:					
1985	2,361	84,473	1,566	6.8	66.3
1986 <u>1/</u>	2,378	91,704	1,586	6.3	66.7
1987	2,346	93,256	1,661	6.5	70.8
1988 <u>1/</u>	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
Long-term care:					
1985	2,769	2,575	2,590	367	93.5
1986 <u>1/</u>	2,977	2,901	2,602	327	87.4
1987	2,995	2,553	2,779	397	92.8
1988 <u>1/</u>	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

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 63.-- NUMBER AND BED CAPACITY OF HOSPITALS AND CARE HOMES,
BY TYPE OF FACILITY, BY ISLANDS: 1990-1991

[Except for Tripler Army Medical Center, data are for facilities recognized
by the Hawaii State Health Planning and Development Agency]

Category and island	Hospitals, December 31, 1990				Care homes, July 1991	
	Total <u>1/</u>	Acute care <u>2/</u>	Long-term care	Specialty care	Type I <u>3/</u>	Type II <u>4/</u>
NUMBER OF FACILITIES						
State total ..	57	25	40	11	494	14
Oahu	38	12	24	9	397	10
Hawaii	7	5	7	-	47	0
Kauai	5	3	5	-	24	3
Maui	4	3	2	1	17	-
Molokai	2	1	1	1	9	1
Lanai	1	1	1	-	-	-
NUMBER OF BEDS						
State total ..	6,772	2,532	3,401	839	2,159	450
Oahu	5,138	2,017	2,304	817	1,773	370
Hawaii	706	236	470	-	187	14
Kauai	372	114	258	-	86	52
Maui	498	151	339	8	73	-
Molokai	44	8	22	14	40	14
Lanai	14	6	8	-	-	-

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

2/ Includes Tripler Army Medical Center which had a bed capacity of 525.

3/ Five beds or less.

4/ More than five beds.

Source: Hawaii State Department of Health, State Health Planning and Development Agency, Utilization of Inpatient Facilities, 1990, and Hospital and Medical Facilities Branch, records.

Table 64.-- OCCUPANCY CHARACTERISTICS OF ACUTE AND LONG-TERM CARE
CIVILIAN HOSPITALS, BY ISLANDS: 1990

[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	93,511	1,755	6.8	69.4
Oahu	68,608	1,403	7.4	69.7
Hawaii	11,123	166	5.4	70.2
Kauai	4,901	60	4.5	52.9
Maui	8,650	124	5.2	82.2
Molokai	164	1	2.4	13.7
Lanai	65	1	3.7	11.1
LONG-TERM CARE				
State total	3,137	3,166	368	93.1
Oahu	2,040	2,140	383	92.9
Hawaii	492	452	335	96.1
Kauai	328	233	259	90.2
Maui	212	314	544	93.2
Molokai	55	19	128	87.4
Lanai	10	6	225	77.2

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 65.-- COMMUNITY HOSPITAL AVERAGE COSTS AND ROOM CHARGES:
1983 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)	
1983	8.2	357.87	2,964	216
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	(NA)	(NA)	(NA)	317
1990	(NA)	(NA)	(NA)	348

NA Not available.

1/ January data, except 1983, which refers to July.

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

Table 66.-- PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES:
1985 TO 1990

Year	Patients active, end of period			Admissions		Terminations	Patients served (undup.)
	Total	In-patients	Out-patients	Total	Unduplicated		
1985	6,328	251	6,077	3,933	3,268	4,221	8,891
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

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

Table 67.-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:
1989 TO 1991

[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

1/ Year ended June 30.

2/ Includes patients on leave and absent without leave.

Source: Hawaii State Hospital, records.

Table 68.-- WAIMANO TRAINING SCHOOL AND HOSPITAL: 1989 TO 1991

[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	
1989	205	-	183	165	4
1990	205	10	153	158	6
1991	195	2	148	134	6

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

2/ Year ended June 30.

Source: Waimano Training School and Hospital, records.

Table 69.-- HANSEN'S DISEASE PATIENTS REGISTERED: 1986 TO 1990

Subject	1986	1987	1988	1989	1990
Patients on register, Dec. 31 ..	653	633	571	541	498
Medically released	653	633	571	541	498
At home	549	532	474	447	405
Kalaupapa	99	97	93	90	89
Hale Mohalu at Leahi	5	4	4	4	4
New cases	37	24	20	18	18
Deaths	4	6	13	14	9

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

Table 70.-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS LICENSED IN HAWAII, BY PLACE OF ADDRESS: FEBRUARY 15, 1991

Place of address	Physicians and surgeons ^{1/}	Dentists	Registered nurses	Pharmacists
Total licensed..	4,610	1,208	11,874	1,018
Hawaii addresses ...	2,563	915	8,848	591
Hawaii	201	83	731	56
Maui	181	56	631	48
Lanai	1	1	10	1
Molokai	7	4	39	2
Oahu	2,080	738	7,081	454
Kauai	93	33	356	30
Niihau	-	-	-	-
Out of State.....	2,047	293	3,026	427

^{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 71.-- 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 72.-- 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 73.-- MARRIAGES AND DIVORCES: 1970 TO 1990

[Place of occurrence basis]

Calendar year	Marriages		Divorces and annulments <u>2/</u>	Rates per 1,000 resident population		Percent of marriages	
	Total	Resident <u>1/</u>		Resident marriages	Divorces, annulments <u>2/</u>	Nonresident <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

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 74.-- CHARACTERISTICS OF MARRIAGES AND DIVORCES: 1987 TO 1990

[Place of occurrence basis]

Subject	1987	1988	1989	1990
MARRIAGES				
Number	16,567	17,281	17,974	18,306
Percent on Oahu	61.4	58.8	57.7	58.3
Percent Hawaii residents:				
Both bride and groom	54.5	52.2	51.3	53.1
One partner only	4.2	4.0	4.1	3.7
Neither bride nor groom	41.3	43.8	44.6	43.1
Median age (years):				
Groom	30.7	31	31	31
Bride	28.4	28	28	28
Percent previously married:				
Groom	39.6	40.4	39.8	39.5
Bride	39.0	39.8	40.4	40.1
DIVORCES AND ANNULMENTS				
Number	4,419	5,020	5,613	5,179
Divorces	4,404	5,005	5,600	5,163
Annulments	15	14	13	10
Not reported	-	1	-	6
Percent occurring on Oahu	75.3	79.8	78.5	77.5
Percent Hawaii residents:				
Both partners	75.0	76.1	75.4	73.9
One partner only	24.7	23.6	23.1	26.0
Neither partner	0.2	0.3	0.1	0.2
Median age (years):				
Husband	35.2	34.9	35	35
Wife	32.7	32.6	32	33
Percent interracial ^{1/}	38.9	40.5	39.4	40.3
Percent with children under 18 years	51.8	52.2	55.3	52.1
Median years married	6.4	6.6	6.2	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 75.-- MARRIAGES OCCURRING IN HAWAII, RESIDENT AND NONRESIDENT,
BY RACE MIXTURE AND TYPE OF CEREMONY: 1990

Race mixture and type of ceremony	Total	At least one partner Hawaii resident	Both partners nonresidents
All marriages	18,306	10,407	7,899
Race of partners:			
Both partners same race <u>1/</u>	12,904	5,630	7,274
Different	5,402	4,777	625
Percent different	29.5	45.9	7.9
Type of ceremony:			
Civil ceremony	4,683	3,815	868
Religious ceremony	13,622	6,591	7,031
Unknown	1	1	-

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

Table 76.-- 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).