

# DEATH



In 1997, 2,582 Alaskan residents died. Of this number, 175 Alaska residents died out of state. A total of 2,557 deaths occurred in Alaska. Of this number, 2,407 were Alaska residents and 150 were from out of state. (See Tables 6.1A and 6.1B.) The total number of resident deaths (2,582) represents a 1.2 percent decrease from the 2,613 resident deaths in 1996.

May was the month with the highest number of deaths (233) and July had the fewest deaths with 194. Over thirty percent of decedents were born in Alaska; however only 10.0 percent of white decedents were born in Alaska, while 95.5 percent of Native decedents were born in Alaska.

Almost thirty-one percent of decedents age 18 and over were veterans (50.2 percent of males and 2.4 percent of females).

Forty-four percent of decedents age 18 and over were married at the time of death; 12.9 percent had never married; 24.4 percent were widowed, and 17.8 percent were divorced. Statistics for men and women varied significantly:

- 50.4 percent of males were married and 34.5 percent of females were married;
- 12.6 percent of males were widowed and 41.8 percent of females were widowed;
- 17.5 percent of males had never married while only 6.2 percent of females had never married;
- 18.3 percent of males were divorced and 17.1 percent of females were divorced.

**CRUDE DEATH RATES**

The crude death rate is the number of deaths in a year divided by the estimated population and multiplied by a constant of proportionality, in this case, 100,000. In 1997, there were 2,582 Alaska resident deaths and an estimated population of 611,300 as of July 1, 1997. The 1997 crude death rate calculation is  $(2,582/611,300)*100,000=422.4$ .

**TABLE 6.1A RESIDENT DEATHS, ESTIMATED POPULATIONS, AND CRUDE DEATH RATES BY CENSUS AREA, AND PLACE OF DEATH BY CENSUS AREA, ALASKA, 1997**

CENSUS AREA	PLACE OF DEATH	RESIDENT DEATHS	POPULATION	CRUDE RATE
ALEUTIANS EAST	10	11	2,238	491.5
ALEUTIANS WEST	18	19	5,366	354.1
ANCHORAGE BOROUGH	1,118	950	254,849	372.8
ANGOON-HOONAH-SKAGWAY	18	19	3,753	506.3
BETHEL	53	74	15,597	474.5
BRISTOL BAY BOROUGH	5	5	1,270	393.7
DENALI BOROUGH	19	2	1,899	105.3
DILLINGHAM	21	21	4,521	464.5
FAIRBANKS NORTH STAR BOROUGH	304	308	82,278	374.3
HAINES BOROUGH	16	12	2,421	495.7
JUNEAU BOROUGH	111	118	29,813	395.8
KENAI PENINSULA BOROUGH	221	256	48,098	532.2
KETCHIKAN GATEWAY BOROUGH	90	83	14,599	568.5
KODIAK ISLAND BOROUGH	36	44	13,547	324.8
LAKE AND PENINSULA	15	16	1,780	898.9
MATANUSKA-SUSITNA BOROUGH	182	220	52,448	419.5
NOME	48	63	9,178	686.4
NORTH SLOPE BOROUGH	33	43	7,263	592.0
NORTHWEST ARCTIC BOROUGH	24	29	6,701	432.8
PRINCE OF WALES-OUTER KETCHIKAN	24	35	6,876	509.0
SITKA BOROUGH	50	48	8,733	549.6
SOUTHEAST FAIRBANKS	25	29	6,354	456.4
VALDEZ-CORDOVA	40	48	10,431	460.2
WADE HAMPTON	19	33	6,910	477.6
WRANGELL-PETERSBURG	31	43	7,189	598.1
YAKUTAT	3	7	833	840.3
YUKON-KOYUKUK	23	42	6,355	660.9
CENSUS AREA UNKNOWN		4		
OUTSIDE ALASKA	175			
TOTAL	2,732	2,582	611,300	422.4

The 1997 crude death rate for Alaska of 422.4 compares with a crude death rate of 430.3 in 1996, 423.9 in 1995, 408.9 in 1994, 400.7 in 1993, 394.7 in 1992, and 387.1 in 1991. The 1997 crude death rate for the United States was 864.9 per 100,000 population.<sup>1</sup> Table 6.1A provides numbers of deaths, estimated population, crude death rates, and

place of death by census area throughout the state. Note that the 'Place of Death' column includes non-residents who died in Alaska and residents who died outside the state.

TABLE 6.1B DEATHS BY NATIVE REGIONAL CORPORATION OF RESIDENCE AND BY PLACE OF DEATH, ALASKA, 1997

NATIVE REGIONAL CORPORATION	PLACE OF DEATH	RESIDENCE
AHTNA	16	19
ALEUT	28	30
ARCTIC SLOPE	33	43
BERING STRAITS	48	63
BRISTOL BAY	41	37
CALISTA	72	107
CHUGACH	51	62
COOK INLET	1,494	1,396
DOYON	371	381
KONIAG	36	46
NANA	24	29
SEALASKA	343	365
OUTSIDE ALASKA	175	
UNKNOWN		4
TOTAL	2,732	2,582

## DEATHS BY RACE AND SEX

As individual groups, males and Natives account for a disproportionate number of deaths. Males made up 52.1 percent of the population in Alaska but accounted for 59.9 percent (1,546) of all deaths in 1997. Natives constituted 16.7 percent of the population and accounted for 23.9 percent of all deaths in 1997. The median age for all deaths was 66 years. The median age of death for males was 61 and for females was 71. The median age of death for whites was 67 and for Natives was 62.

The total number of deaths for whites in 1997 was 1,817 compared to 1,850 in 1996, a decrease of 1.8 percent. The total number of deaths for Natives in 1997 was 617 compared to 613 in 1996. The total number of deaths for all other races in 1997 was 148 compared to 150 in 1996.

To ensure more consistent reporting and calculation of rates by race in this report, the race on the death certificate has been compared with the race on the birth certificate for all decedents who were born in Alaska in 1989 or later. (1989 was the first year in which the child's race at birth was determined by the mother's race.) For those showing different races on the death and birth certificates, the race as shown on the birth certificate is used for purposes of analysis in this report.

1 National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1997," *National Vital Statistics Report*, Vol. 47, No. 4, October 7, 1998, Table 11, page 24.

TABLE 6.2A DEATHS BY THE DECEDENT'S CENSUS AREA OF RESIDENCE, RACE AND SEX, ALASKA, 1997

CENSUS AREA OF DECEDENT'S RESIDENCE	RACE AND SEX OF DECEDENT										TOTAL	
	WHITE		NATIVE		BLACK		ASIAN/PI		UNK			
	M	F	M	F	M	F	M	F	M	F		
ALEUTIANS EAST	2		7	2								11
ALEUTIANS WEST	3		9	4			3					19
ANCHORAGE	426	320	60	50	23	19	33	18			1	950
ANGOON-HOONAH-SKG	3	5	7	4								19
BETHEL	7	1	36	30								74
BRISTOL BAY	2		2	1								5
DENALI	1			1								2
DILLINGHAM	5		9	7								21
FAIRBANKS NSB	145	107	18	17	7	8	1	4	1			308
HAINES BOROUGH	8	2	1	1								12
JUNEAU BOROUGH	53	45	8	5	1		5	1				118
KENAI PENINSULA	146	82	17	8			2	1				256
KETCHIKAN	36	23	13	8			2	1				83
KODIAK ISLAND	11	7	14	7	1		4					44
LAKE-PENINSULA	3	2	7	4								16
MATANUSKA-SUSITNA	122	82	6	5	1		2	2				220
NOME	6	1	38	18								63
NORTH SLOPE	4		21	18								43
NORTHWEST ARCTIC	1	1	18	9								29
PRINCE OF WALES	9	6	12	8								35
SITKA BOROUGH	19	16	5	7			1					48
SE FAIRBANKS	13	9	2	3	1					1		29
VALDEZ-CORDOVA	18	14	10	3			2			1		48
WADE HAMPTON			26	7								33
WRANGELL-PETERSBG	25	11	5	1			1					43
YAKUTAT	3	1	2	1								7
YUKON-KOYUKUK	4	3	22	13								42
UNKNOWN	4											4
TOTAL	1,079	738	375	242	34	27	56	27	3	1		2,582

TABLE 6.2B DEATHS BY THE DECEDENT'S NATIVE REGIONAL CORPORATION OF RESIDENCE, RACE AND SEX, ALASKA, 1997

NATIVE REGIONAL CORPORATION OF DECEDENT'S RESIDENCE	RACE AND SEX OF DECEDENT										TOTAL	
	WHITE		NATIVE		BLACK		ASIAN/PI		UNK			
	M	F	M	F	M	F	M	F	M	F		
AHTNA INC.	6	7	4	1						1		19
ALEUT CORP.	5		16	6			3					30
ARCTIC SLOPE CORP.	4		21	18								43
BERING STRAITS CORP.	6	1	38	18								63
BRISTOL BAY CORP.	8		17	12								37
CALISTA CORP	7	1	62	37								107
CHUGACH NATIVES INC.	27	19	11	3			2					62
COOK INLET REG CORP.	680	474	78	62	24	19	37	21			1	1,396
DOYON LTD.	163	119	42	34	8	8	1	4	2			381
KONIAG INC.	12	7	15	7	1		4					46
NANA REGIONAL CORP.	1	1	18	9								29
SEALASKA CORP.	156	109	53	35	1		9	2				365
UNKNOWN	4											4
TOTAL	1,079	738	375	242	34	27	56	27	3	1		2,582

## DEATHS BY AGE

TABLE 6.3A DEATHS BY THE DECEDENT'S CENSUS AREA OF RESIDENCE AND AGE, ALASKA, 1997

CENSUS AREA OF DECEDENT'S RESIDENCE	AGE AT DEATH										TOTAL
	<5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
ALEUTIANS EAST			2		2		2	3	2		11
ALEUTIANS WEST			1	2	3	2	2	4	5		19
ANCHORAGE	38	12	28	56	92	105	141	202	157	119	950
ANGOON-HOONAH-SKG						1	8	5	2	3	19
BETHEL	10	3	5	7	8	3	10	8	17	3	74
BRISTOL BAY				2	1		1		1		5
DENALI	1						1				2
DILLINGHAM			3	4	1	3	3	2	3	2	21
FAIRBANKS NSB	13	4	7	12	25	40	33	67	68	39	308
HAINES BOROUGH				1	1		2	4	4		12
JUNEAU BOROUGH	3		4	3	9	8	16	28	27	20	118
KENAI PENINSULA	6	5	10	13	14	28	29	60	61	30	256
KETCHIKAN	4	1	3	5	7	10	6	14	19	14	83
KODIAK ISLAND	1		1	2	8	5	8	8	7	4	44
LAKE-PENINSULA	1		1	5	1	2		3	2	1	16
MATANUSKA-SUSITNA	8	3	6	10	18	35	29	46	39	26	220
NOME	7	2		6	9	4	4	13	10	8	63
NORTH SLOPE	1	4	4	3	9	6	2	6	5	3	43
NORTHWEST ARCTIC	1	1	5	1	4	2	5	4	2	4	29
PRINCE OF WALES	2		1	2	3	5	7	6	4	5	35
SITKA BOROUGH			1		5	8	5	7	15	7	48
SE FAIRBANKS	1	1	1	1	1	5	4	5	5	5	29
VALDEZ-CORDOVA			2	2	3	5	8	9	9	10	48
WADE HAMPTON	3		5	3	1	2	4	7	7	1	33
WRANGELL-PETERSBG	1			4	4	2	6	6	13	7	43
YAKUTAT				1	2		1		3		7
YUKON-KOYUKUK			4	2	4	3	9	10	4	6	42
UNKNOWN				1	1	1	1				4
TOTAL	101	36	94	148	236	285	347	527	491	317	2,582

TABLE 6.3B DEATHS BY THE DECEDENT'S NATIVE REGIONAL CORPORATION OF RESIDENCE AND AGE, ALASKA, 1997

N R C OF DECEDENT'S RESIDENCE	AGE AT DEATH										TOTAL
	<5	5- 14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
AHTNA			1	1	1	2	3	4	2	5	19
ALEUT			3	2	5	2	4	7	7		30
ARCTIC SLOPE	1	4	4	3	9	6	2	6	5	3	43
BERING STRAITS	7	2		6	9	4	4	13	10	8	63
BRISTOL BAY			3	10	2	4	4	5	6	3	37
CALISTA	13	3	10	10	9	5	14	15	24	4	107
CHUGACH	1		2	2	4	6	7	13	16	11	62
COOK INLET	52	20	44	79	122	165	197	300	248	169	1,396
DOYON	15	5	12	15	30	48	47	82	77	50	381
KONIAG	1		1	2	9	6	8	8	7	4	46
NANA	1	1	5	1	4	2	5	4	2	4	29
SEALASKA	10	1	9	16	31	34	51	70	87	56	365
UNKNOWN				1	1	1	1				4
TOTAL	101	36	94	148	236	285	347	527	491	317	2,582

Death rates vary widely by race and sex. Males and Natives have significantly higher death rates than other groups. Whites had a race-specific death rate of 418 per 100,000 white population, and Natives had a race-specific death rate of 605 per 100,000 Native population (Table 6.4A). The sex-specific death rate for Alaskan males was 506 deaths per 100,000 male population, and was 408 per 100,000 female population (Table 6.4B). Consequently, Native males had a race/sex-specific death rate almost twice that of white females (Table 6.5). Rates calculated on a small number of events are not statistically reliable. For this reason rates have been blanked out for population segments with less than three deaths.

TABLE 6.4A RACE-SPECIFIC DEATH RATES AND PERCENTAGES BY AGE GROUP, ALASKA, 1997

AGE AT DEATH	RACE OF DECEDENT								
	WHITE			NATIVE			ALL OTHER		
	DTHS	PCT	RATE	DTHS	PCT	RATE	DTHS	PCT	RATE
<5	54	3.0	156	39	6.3	331	8	5.4	294
05-14	19	1.0	33	16	2.6	64	1	0.7	
15-24	51	2.8	95	36	5.8	214	7	4.7	303
25-34	89	4.9	132	50	8.1	349	9	6.1	147
35-44	156	8.6	162	62	10.0	427	18	12.2	381
45-54	214	11.8	302	54	8.8	606	17	11.5	592
55-64	244	13.4	804	86	13.9	1,574	17	11.5	969
65-74	389	21.4	2,468	106	17.2	3,239	32	21.6	2,834
75-84	359	19.8	5,293	109	17.7	7,628	23	15.5	3,795
85+	242	13.3	18,702	59	9.6	13,024	16	10.8	13,793
TOTAL	1,817	100.0	418	617	100.0	605	148	100.0	663

TABLE 6.4B SEX-SPECIFIC DEATH RATES AND PERCENTAGES BY AGE GROUP, ALASKA, 1997

AGE AT DEATH	SEX OF DECEDENT								
	MALE			FEMALE			TOTAL		
	DTHS	PCT	RATE	DTHS	PCT	RATE	DTHS	PCT	RATE
<5	63	4.1	239	38	3.7	167	101	3.9	206
05-14	24	1.6	46	12	1.2	39	36	1.4	43
15-24	70	4.5	184	24	2.3	69	94	3.6	129
25-34	109	7.0	230	39	3.8	96	148	5.7	168
35-44	149	9.6	248	87	8.4	157	236	9.1	204
45-54	208	13.4	452	77	7.4	211	285	11.0	345
55-64	230	14.9	1,125	117	11.3	683	347	13.4	923
65-74	319	20.6	3,103	208	20.1	2,105	527	20.4	2,614
75-84	260	16.8	6,643	231	22.3	4,711	491	19.0	5,569
85+	115	7.4	16,987	202	19.5	17,032	317	12.3	17,016
TOTAL	1,547	100.0	506	1,035	100.0	408	2,582	100.0	462

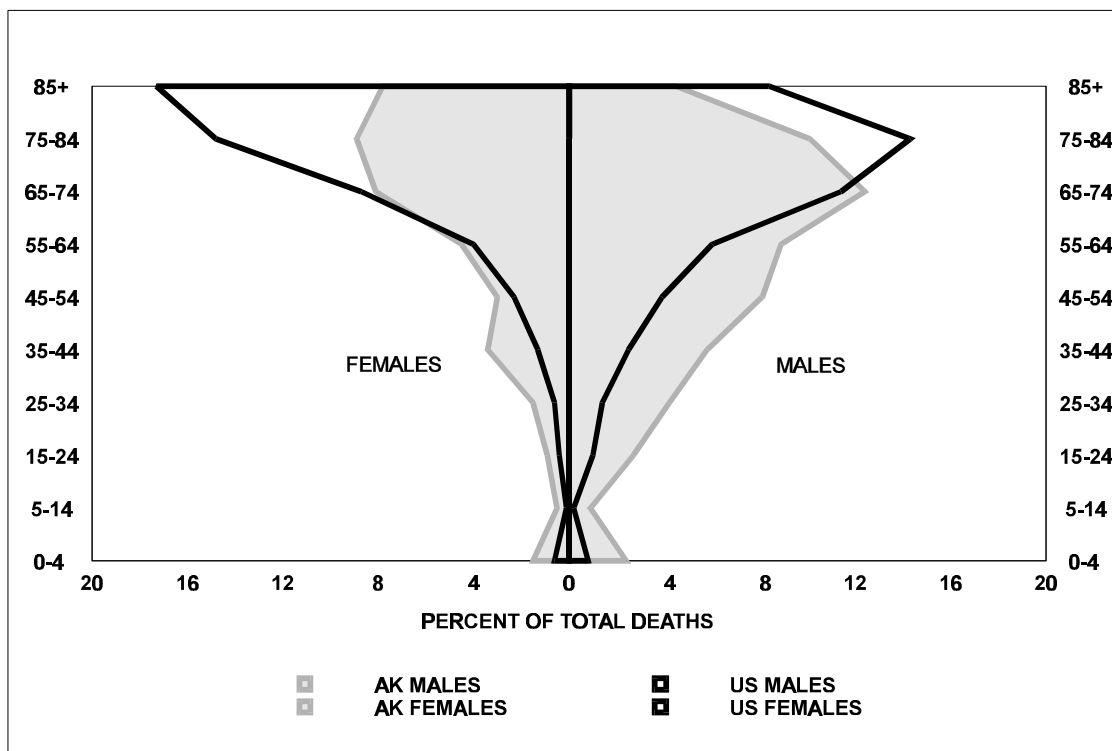
TABLE 6.5 RACE/SEX-SPECIFIC DEATH RATES AND PERCENTAGES BY AGE GROUP, ALASKA, 1997

AGE	RACE AND GENDER OF DECEDENT																	
	WHITE						NATIVE						ALL OTHER					
	MALE			FEMALE			MALE			FEMALE			MALE			FEMALE		
	DTHS	PCT	RATE	DTHS	PCT	RATE	DTHS	PCT	RATE	DTHS	PCT	RATE	DTHS	PCT	RATE	DTHS	PCT	RATE
<5	33	3.1	188	21	2.8	123	23	6.1	379	16	6.6	280	7	7.5	257	1	1.8	
05-14	14	1.3	35	5	0.7	27	9	2.4	71	7	2.9	57	1	1.1		0	0.0	
15-24	37	3.4	136	14	1.9	53	28	7.5	322	8	3.3	98	5	5.4	217	2	3.6	
25-34	69	6.4	190	20	2.7	64	35	9.3	471	15	6.2	218	5	5.4	134	4	7.3	169
35-44	105	9.7	207	51	6.9	112	34	9.1	488	28	11.6	370	10	10.8	432	8	14.5	332
45-54	153	14.2	394	61	8.3	191	41	10.9	942	13	5.4	285	14	15.1	488	3	5.5	
55-64	161	14.9	961	83	11.2	610	59	15.7	2,271	27	11.2	942	10	10.8	926	7	12.7	1,039
65-74	236	21.9	2,909	153	20.7	2,001	62	16.5	4,128	44	18.2	2,484	21	22.6	3,167	11	20.0	2,361
75-84	188	17.4	5,972	171	23.2	4,706	59	15.7	10,766	50	20.7	5,675	13	14.0	5,963	10	18.2	2,577
85+	83	7.7	19,762	159	21.5	18,192	25	6.7	13,369	34	14.0	12,782	7	7.5	10,000	9	16.4	19,565
TOTAL	1,079	100.0	452	738	100.0	375	375	100.0	735	242	100.0	475	93	100.0	582	55	100.0	867

Chart 6.1 shows the percent of total deaths for Alaska and the United States by age group and sex. The percentage of U.S. residents dying after age 75 is higher than for Alaska, while the percentage of total deaths for Alaskans dying before age 75 is either the same or more than for the United States.



CHART 6.1 PERCENT OF DEATHS BY AGE AND SEX, ALASKA AND THE UNITED STATES, 1997<sup>2</sup>



### AGE-ADJUSTED DEATH RATES

Since the population of Alaska is younger than the population of the country as a whole, crude death rates and percentages by age do not provide a valid comparison between the two populations. In this case, age-adjusted death rates are used. Please refer to Appendix B for an explanation of how age-adjusted death rates are calculated. Table 6.6 shows age adjusted death rates for Alaska and the United States<sup>3</sup> for certain populations.

Chart 6.2 compares age-adjusted death rates for the populations of Alaska and the United States from 1990 through 1997. Rates are per 100,000 population, adjusted to the 1940 U.S. standard million population. (See Appendix A for the definition of *standard million population*.)

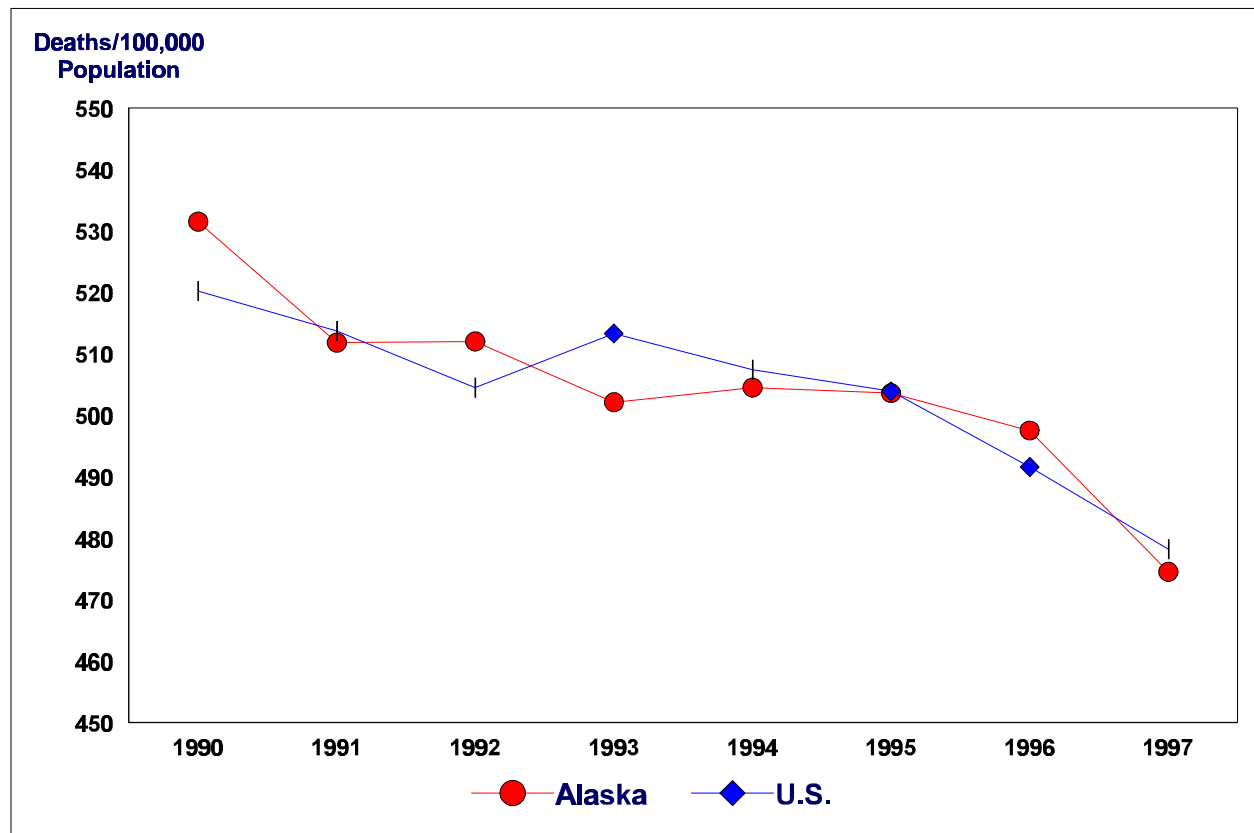
2 National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1997," *National Vital Statistics Report*, Vol. 47, No. 4, October 7, 1998, Table 10, p. 19.

3 Ibid., Table 10, pp. 19-22.

TABLE 6.6 AGE-ADJUSTED DEATH RATES FOR CERTAIN POPULATIONS, ALASKA AND UNITED STATES, 1991-1997

POPULATION	1991	1992	1993	1994	1995	1996	1997
Alaska Males	645.9	627.9	620.8	622.1	627.9	601.4	581.9
U.S. Males	669.9	656.0	664.9	654.6	646.3	623.7	601.6
Alaska Females	377.6	395.3	381.2	385.0	374.9	390.3	363.6
U.S. Females	386.5	380.3	388.3	385.2	385.2	381.0	375.1
Alaska Whites	472.8	467.8	457.7	465.1	479.8	463.1	441.0
U.S. Whites	486.8	477.5	485.1	479.8	476.9	466.8	456.6
Alaska Natives	775.0	791.2	762.6	792.4	684.7	733.0	714.9
U.S. American Indian	441.8	453.1	468.9	460.7	468.5	456.7	466.4
Alaska Other Races	325.2	376.3	403.0	331.6	397.0	390.3	354.3
U.S. Blacks	780.7	767.5	785.2	772.1	765.7	738.3	696.3
<b>Alaska Total</b>	<b>511.8</b>	<b>512.0</b>	<b>502.1</b>	<b>504.5</b>	<b>503.6</b>	<b>497.5</b>	<b>474.5</b>
<b>U.S. Total</b>	<b>513.7</b>	<b>504.5</b>	<b>513.3</b>	<b>507.4</b>	<b>503.9</b>	<b>491.6</b>	<b>478.1</b>

CHART 6.2 AGE-ADJUSTED DEATH RATES, ALASKA AND THE UNITED STATES, 1990-1997



## EXPECTATION OF LIFE

The expectation of life at birth for 1997 is the average number of years that infants born during 1997 could expect to live if they were to experience the same age-specific death rates experienced during 1997. The expectation of life for the United States during 1997 was 76.5, surpassing the previous record high of 76.1 years in 1996.<sup>4</sup> In Alaska, expectation of life is calculated using five years of data to reduce the possibility of year-to-year random fluctuations. From 1993-1997, the expectation of life in Alaska was 74.5, 0.3 years more than in the five years from 1992-1996. Females generally have a longer life expectancy than males. For Alaskan females, the 1993-1997 expectation of life was 77.4, 0.3 years more than the five years from 1992-1996, and for males it was 72.1, also a 0.3 year increase from the previous period; whites had a life expectancy of 75.6, a 0.4 year increase; and Natives had a life expectancy of 69.0 years, up from 68.8 from 1992-1996. For an explanation of how expectation of life is calculated, see Appendix B.

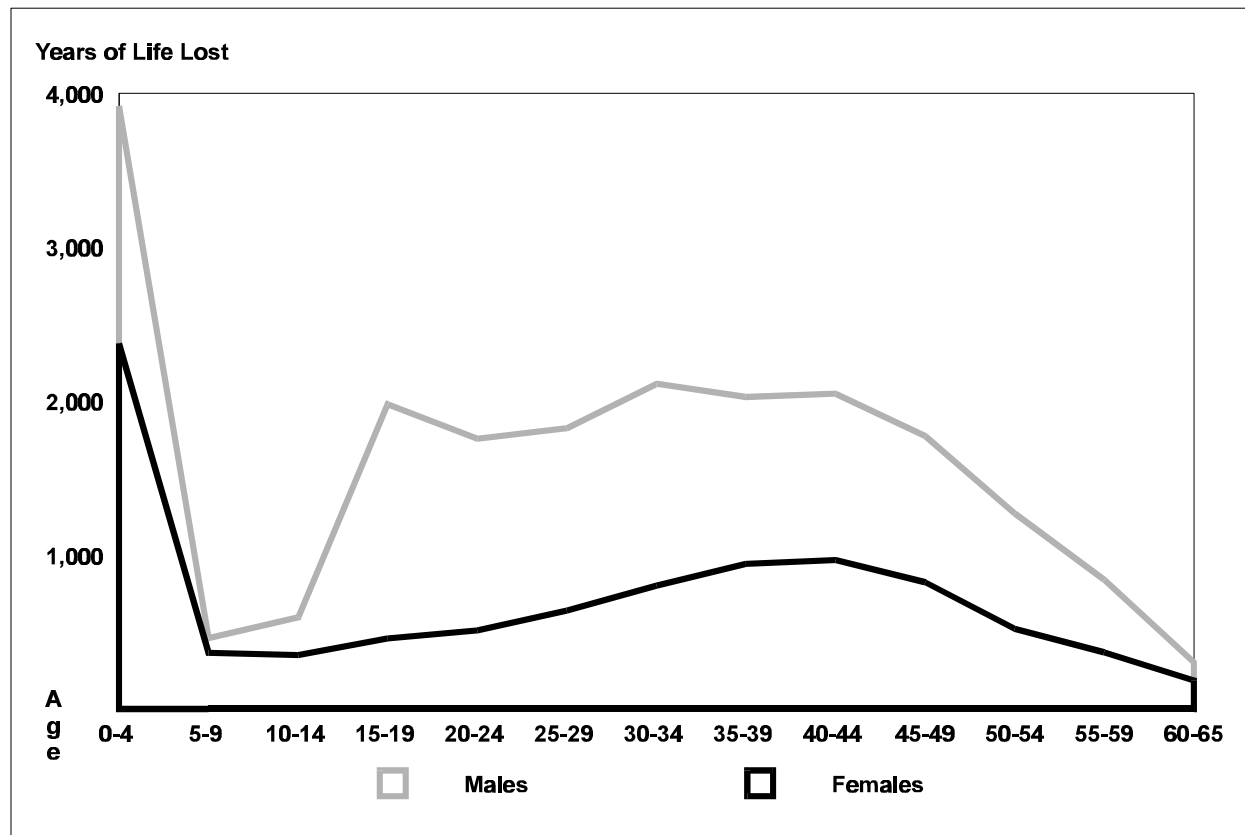
## YEARS OF LIFE LOST

Years of Life Lost (YLL) emphasizes mortality in younger populations and is calculated by multiplying the number of deaths within an age group by the number of years of productive life lost. (For more information on calculation of Years of Life Lost, see Appendix B.)

Chart 6.3 shows YLL for males and females in Alaska. For calculation purposes, deaths were assumed to occur at the midpoint of the age interval. Data in Chart 6.3 are based upon a standard definition of 65 years of productive life for males and females and was derived by averaging data for a three-year period, from 1995 to 1997.

4 Ibid., page 31.

CHART 6.3 YEARS OF LIFE LOST IN ALASKA BY FIVE-YEAR AGE GROUPS, 3-YEAR AVERAGE VALUES, 1995-1997



### CAUSES OF DEATH IN ALASKA

As used in this report, *cause of death* is the underlying cause of death shown on the death certificate. The underlying cause of death is defined by the World Health Organization’s International Classification of Diseases, Ninth Revision (ICD-9) as the disease or injury which initiated the sequence of morbid events leading directly to the death, or the circumstances of the accident or violence which produced the fatal injury. The National Center for Health Statistics has categorized causes of death for the purpose of uniform analyses in all 50 states.<sup>5</sup> For statistical purposes, causes of death are generally grouped into 72 selected categories. For special analyses, causes of death have been broken into other categories. Appendix C lists the selected causes of death used in the following tables and specifies the ICD-9 codes associated with each.

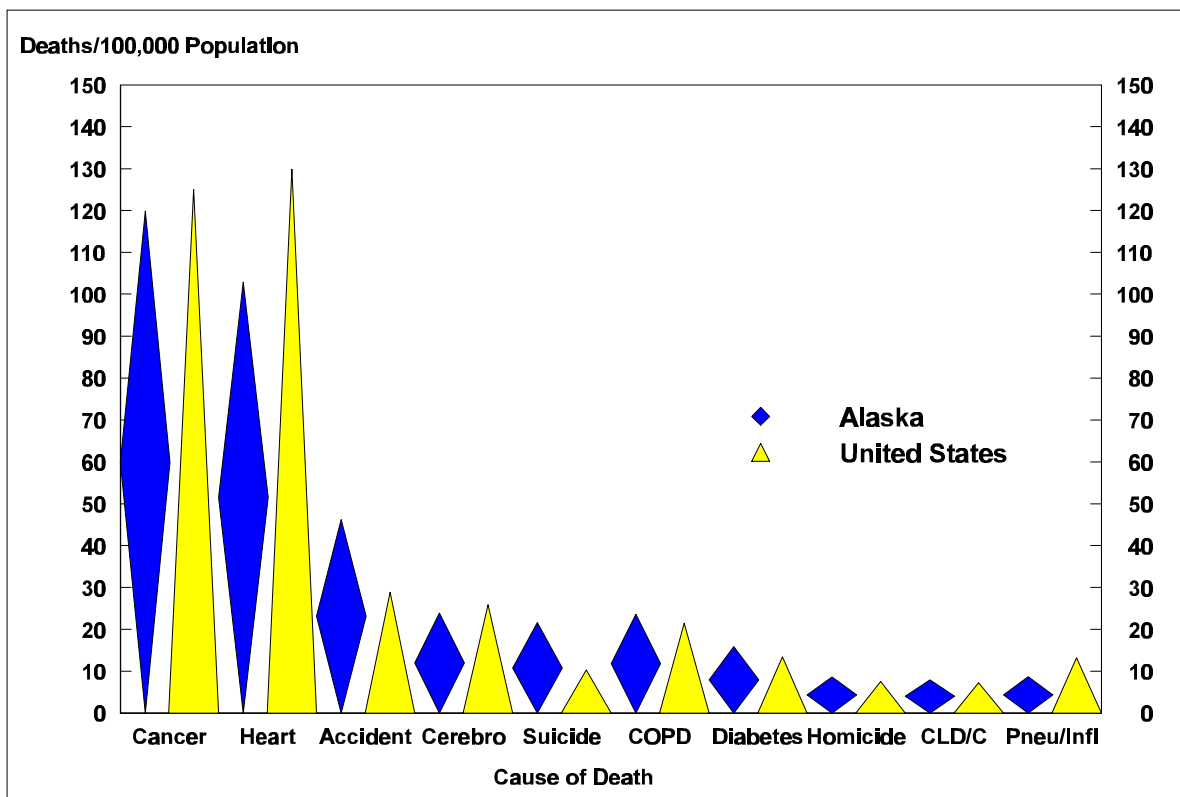
Table 6.7A lists the age-adjusted death rates for Alaska and the United States for the total population, males, and females, for the ten leading causes of death in Alaska. United States’ rankings are given in parentheses. Chart 6.4 is a graph of the age-adjusted death rates for Alaska’s ten leading causes of death.

5 National Center for Health Statistics, Public Health Service, U.S. Department of Health and Human Services, “Vital Statistics: ICD-9 Underlying Cause-of-Death Lists for Tabulating Mortality Statistics,” *Instruction Manual, Part 9, Tabulation*, Effective 1979.

TABLE 6.7A COMPARISON OF AGE-ADJUSTED DEATH RATES FOR THE TEN LEADING CAUSES OF DEATH IN ALASKA, ALASKA AND UNITED STATES, 1997 (US RANKINGS IN PARENTHESES)<sup>6</sup>

CAUSE OF DEATH	TOTAL		ALASKA	
	ALASKA	U.S.	MALES	FEMALE
1 (2) CANCER	119.8	125.0	134.2	106.6
2 (1) HEART DISEASE	102.9	129.9	131.4	72.3
3 (5) ACCIDENTS & ADVERSE EFFECTS	46.2	28.9	63.7	26.8
4 (3) CEREBROVASCULAR DISEASES	23.9	25.9	27.9	20.3
5 (8) SUICIDE	21.6	10.3	33.8	8.5
6 (4) CHRONIC OBSTRUCTIVE PULMONARY DISEASES	23.6	21.4	27.5	20.6
7 (7) DIABETES MELLITUS	15.9	13.4	17.0	14.2
8 (13) HOMICIDE & LEGAL INTERVENTION	8.6	7.5	13.2	3.4
9 (10) CHRONIC LIVER DISEASE & CIRRHOSIS	7.9	7.2	11.9	3.8
9 (6) PNEUMONIA & INFLUENZA	8.7	13.2	10.7	6.6
ALL CAUSES	474.5	478.2	581.9	363.6

CHART 6.4 AGE-ADJUSTED DEATH RATES BY CAUSE OF DEATH, ALASKA AND THE UNITED STATES, 1997



<sup>6</sup> National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1997," *National Vital Statistics Report*, Vol. 47, No. 4, October 7, 1998, Table 11, pp. 24-25.

TABLE 6.7B DEATHS, DEATH RATES AND PERCENTAGES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE U.S. AND ALASKA, 1997 (ALASKA RANK IN PARENTHESES)

15 LEADING CAUSES OF DEATH IN THE U.S. (AND ALASKA)	ALASKA DEATHS	ALASKA CRUDE RATE	U.S. CRUDE RATE	ALASKA PCT	U.S. PCT
01 (02) HEART DISEASE	549	89.8	271.2	21.3	31.4
02 (01) CANCER	616	100.8	200.8	23.9	23.2
03 (04) CEREBROVASCULAR DISEASES	132	21.6	59.7	5.1	6.9
04 (06) CHRONIC OBSTRUCTIVE PULMONARY DISEASES	120	19.6	41.3	4.6	4.8
05 (03) ACCIDENTS & ADVERSE EFFECTS	268	43.8	34.4	10.4	4.0
06 (09) PNEUMONIA & INFLUENZA	48	7.9	33.0	1.9	3.8
07 (07) DIABETES MELLITUS	79	12.9	23.3	3.1	2.7
08 (05) SUICIDE	129	21.1	11.1	5.0	1.3
09 (13) NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	18	2.9	9.6	0.7	1.1
10 (09) CHRONIC LIVER DISEASE & CIRRHOSIS	48	7.9	9.3	1.9	1.1
11 (14) SEPTICEMIA	14	2.3	8.4	0.5	1.0
12 (15) ALZHEIMER'S DISEASE	11	1.8	8.4	0.4	1.0
13 (08) HOMICIDE & LEGAL INTERVENTION	55	9.0	7.0	2.1	0.8
14 (17) HIV INFECTION	10	1.6	6.2	0.4	0.7
15 (18) ATHEROSCLEROSIS	9	1.5	5.9	0.3	0.7
ALL OTHER CAUSES	476	77.9	135.3	18.4	15.6
ALL CAUSES	2,582	422.4	864.9	100.0	100.0

Tables 6.7A and 6.7B and Chart 6.4 show different rankings for the leading causes of death in Alaska and the United States. There is also a difference in the rankings of the leading causes of death in Alaska for males and females, and for whites and Natives. Table 6.7C shows the rankings of the leading causes of death for each group.

## Smoking Related Deaths

While not listed as the underlying cause of death, smoking kills more Alaskans than accidents, suicides, and homicides combined (the third, fourth, and eighth leading causes of death in Alaska). Using software provided by the Centers for Disease Control, the Section of Epidemiology estimates that 26.5 percent of all cardiovascular deaths (ICD-9 codes 390-448), 33.0 percent of all cancer deaths (ICD-9 codes 140-208), 51.7 percent of all respiratory disease deaths (ICD-9 codes 460-519), and 6.9 percent of infant deaths for ICD-9 codes 740-779 (congenital anomalies and perinatal period conditions) and 798.0 (sudden infant death syndrome) are smoking related.<sup>7</sup> Using these estimates, 577 cardiovascular deaths, 606 cancer deaths, 293 respiratory deaths, and 11 infant deaths were attributable to smoking from 1994 to 1997. In addition, ICD-9 code 305.1 refers directly to tobacco dependence which resulted in another four deaths in the three-year period. This brings the total of smoking-related deaths to 1,490. In comparison, the total number of deaths from 1994 to 1997 due to accidents, suicides and homicides was 1,434.

<sup>7</sup> Schumacher, Catherine, MD, MSPH, Department of Health and Social Services, Division of Public Health, Section of Epidemiology, *Bulletin*, No. 1, January 12, 1996.

TABLE 6.7C RANK OF LEADING CAUSES OF DEATH IN ALASKA, 1997

15 LEADING CAUSES OF DEATH IN ALASKA	TOTAL		ALASKA			
	ALASKA	U.S.	MALE	FEMALE	WHITE	NATIVE
CANCER	1	2	1	1	1	1
HEART DISEASE	2	1	2	2	2	2
ACCIDENTS & ADVERSE EFFECTS	3	5	3	3	3	3
CEREBROVASCULAR DISEASES	4	3	5	4	5	5
SUICIDE	5	8	4	7	6	4
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	6	4	6	5	4	6
DIABETES MELLITUS	7	7	8	6	7	10
HOMICIDE & LEGAL INTERVENTION	8	13	7	11	9	7
CHRONIC LIVER DISEASE & CIRRHOSIS	9	10	9	10	8	10
PNEUMONIA & INFLUENZA	9	6	10	8	10	8
CONGENITAL ANOMALIES	11	N/A	12	9	11	9
PERINATAL PERIOD CONDITIONS	12	N/A	11	15	12	12
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	13	9	14	11	12	15
SEPTICEMIA	14	11	14	13	17	13
ALZHEIMER'S DISEASE	15	12	21	13	14	N/A
HYPERTENSION	15	N/A	18	15	15	17

CHART 6.5 AGE-ADJUSTED DEATH RATES BY SEX FOR THE TEN LEADING CAUSES OF DEATH IN ALASKA, 1997

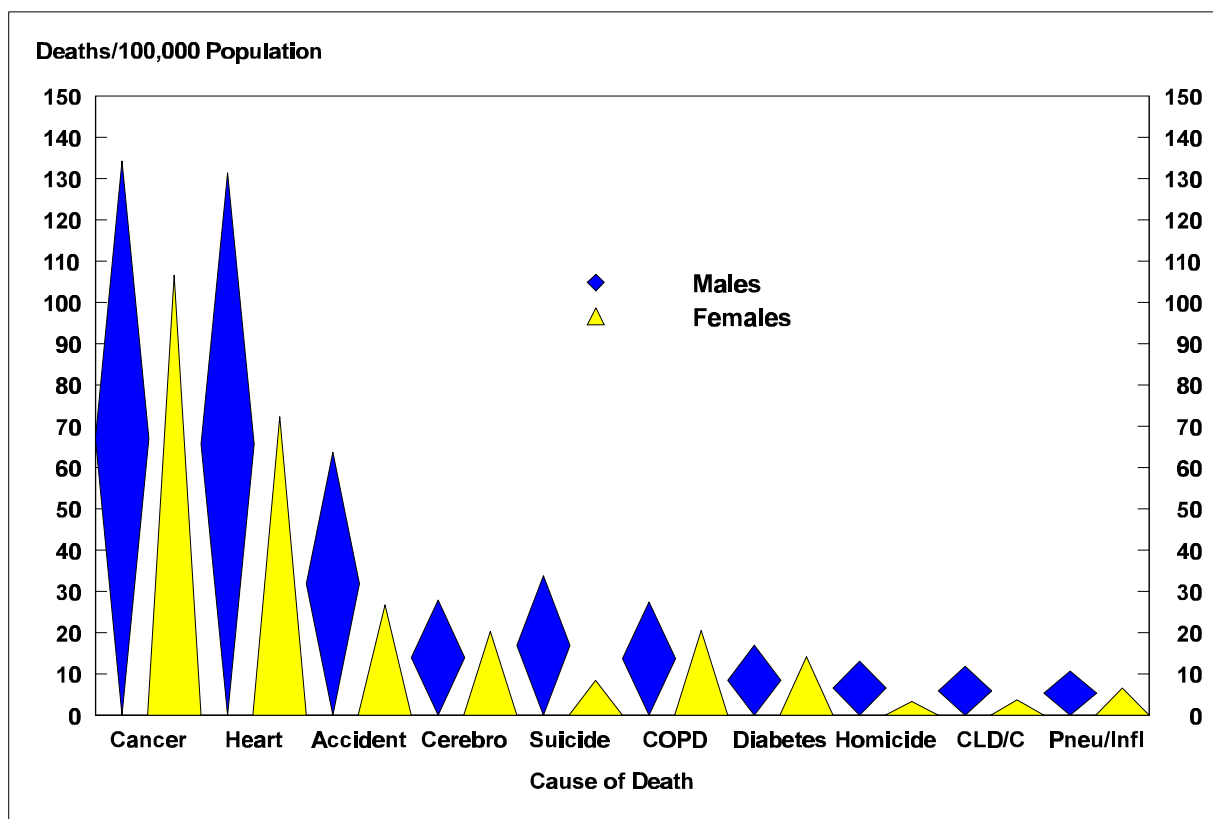
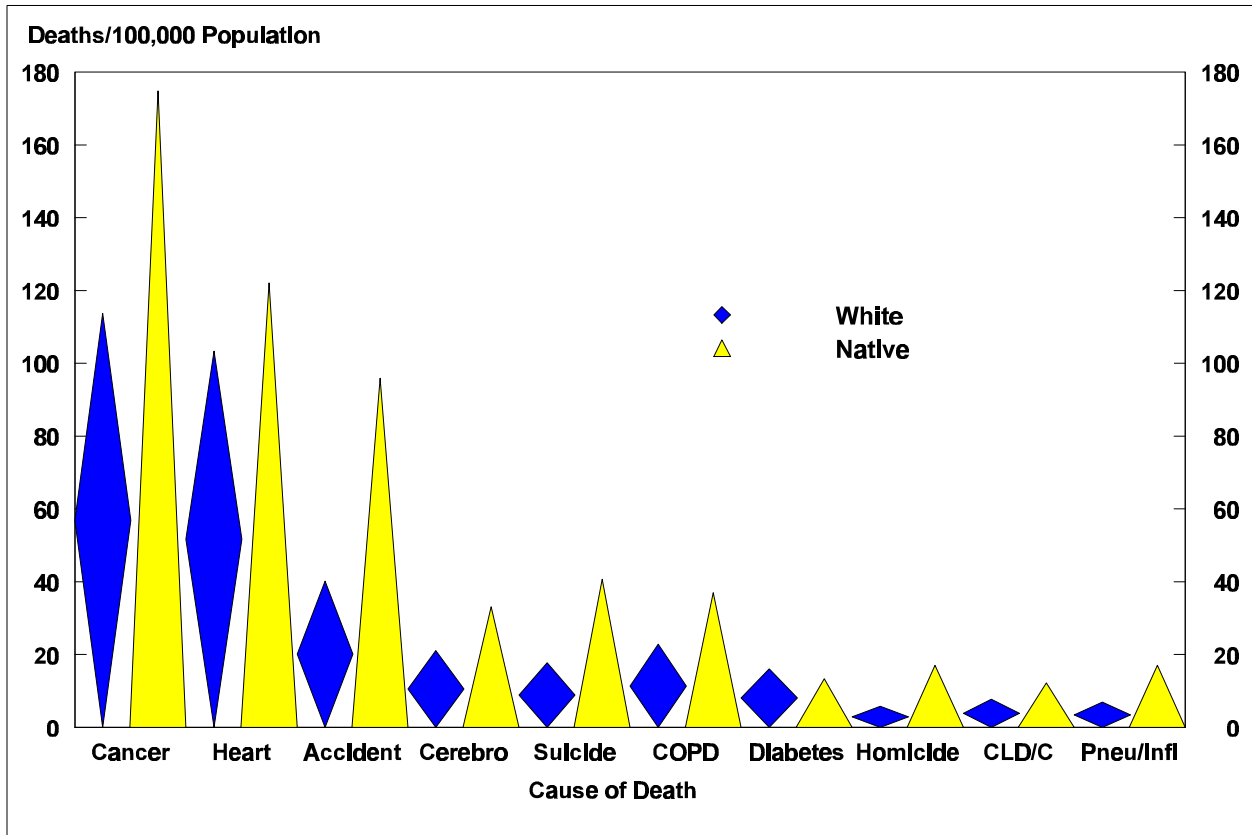


CHART 6.6 AGE-ADJUSTED DEATH RATES FOR WHITES AND NATIVES FOR THE TEN LEADING CAUSES OF DEATH IN ALASKA, 1997



Charts 6.4 through 6.6 show comparisons of the age-adjusted death rates for the leading causes of death for the United States and Alaska (Chart 6.4), for Alaskan males and females (Chart 6.5), and for Alaskan whites and Natives (Chart 6.6). Also refer to Table 6.7C for rankings for specific populations. Table 6.7D shows the age-adjusted death rates by cause for Alaska for the years 1993-1997, and for the United States for 1996 and 1997. Note that the age-adjusted death rate in Alaska for accidents is more than half again that of the United States, and the suicide rate for Alaska is more than twice that of the United States.



TABLE 6.7D AGE-ADJUSTED DEATH RATES FOR THE TEN LEADING CAUSES OF DEATH IN ALASKA, 1993-1997, AND UNITED STATES, 1996-1997<sup>8</sup>

CAUSE OF DEATH	AGE-ADJUSTED DEATH RATE						
	ALASKA					U.S.	
	1993	1994	1995	1996	1997	1996	1997
CANCER	129.9	124.5	120.1	130.4	119.6	127.9	125.0
HEART DISEASE	112.1	116.1	114.4	102.6	102.7	134.5	129.9
ACCIDENTS & ADVERSE EFFECTS	51.5	55.3	55.8	56.3	46.2	30.4	28.9
CEREBROVASCULAR DISEASES	25.5	26.5	29.5	26.5	23.9	26.5	26.5
SUICIDE	24.5	26.6	20.7	22.8	21.6	10.8	10.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	23.4	22.8	23.4	24.2	23.6	21.0	21.4
DIABETES MELLITUS	14.3	10.8	11.6	13.1	15.9	13.6	13.4
HOMICIDE & LEGAL INTERVENTION	9.5	8.5	10.1	7.3	8.6	8.5	7.5
CHRONIC LIVER DISEASE & CIRRHOSIS	11.1	7.9	10.9	9.1	7.9	7.5	7.2
PNEUMONIA & INFLUENZA	9.3	11.1	11.2	6.4	8.7	12.8	13.8
<b>ALL CAUSES OF DEATH</b>	<b>502.1</b>	<b>504.5</b>	<b>503.6</b>	<b>497.5</b>	<b>474.1</b>	<b>491.6</b>	<b>478.2</b>

## INTERNAL CAUSES OF DEATH

### Cancer

Cancer ranked as the leading cause of death in Alaska in 1997 with a total of 616 deaths compared to 648 deaths in 1996. The age-adjusted cancer death rate fell from an all-time high of 130.4 deaths per 100,000 population in 1996 to 119.6 in 1997. Cancer ranked as the leading cause of death in Alaska for the first time in 1990, and has been the leading cause of death every year since with one exception: heart disease was the leading cause of death in 1992.

The Section of Epidemiology estimates that 1/3 of all cancer deaths are related to smoking. (Refer to "Smoking Related Deaths" on page 96.)

When calculating Years of Life Lost (YLL) by cause of death, cancer results in the third greatest number of years of life lost (3,593).

### Heart Disease

Heart disease ranked as the second leading cause of death in 1997 with 549 deaths. This is a 4.4 percent increase from the 526 deaths from heart disease in 1996. The age-adjusted death rate for heart disease increased to 102.7 from 102.6 per 100,000 population in 1996. Heart disease is ranked fourth in years of life lost (2,179 years).

The Section of Epidemiology estimates that 26.5 percent of all deaths from cardiovascular disease (heart disease, hypertension, cerebrovascular disease, and atherosclerosis) are related to smoking.

Heart disease is the leading cause of death in the United States. Heart disease was the leading cause of death in Alaska from 1986 through 1989, and in 1992.

### Cerebrovascular Disease

Cerebrovascular disease was the fourth leading cause of death in Alaska in 1997, the same as in 1996 and 1995. There were 132 deaths from cerebrovascular disease in 1997, compared to 141 deaths in 1996, a 6.4 percent

<sup>8</sup> National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1997," *National Vital Statistics Reports*, Vol. 47, No. 4, October 7, 1998, Table 11, pp. 24-25.

decrease. People age 65 and over accounted for 73.5 percent of all cerebrovascular deaths. The age adjusted death rate for cerebrovascular disease was 23.9, down from 26.5 in 1996, and 29.5 in 1995.

### Chronic Obstructive Pulmonary Diseases (COPD)

Chronic Obstructive Pulmonary Disease was the sixth leading cause of death in Alaska in 1997. There were 120 deaths from chronic obstructive pulmonary disease in 1997, up from 115 deaths in 1996. People aged 65 and over accounted for 77.5 percent of all COPD deaths. The Section of Epidemiology estimates that 51.7 percent of all COPD deaths are related to smoking. The age adjusted death rate for COPD in 1997 was 23.6, down from 24.2 in 1996.

### Diabetes Mellitus

Diabetes Mellitus was the seventh leading cause of death in Alaska in 1997 with 79 deaths, up from 64 deaths in 1996 and 54 deaths in 1995, a 46.3 percent increase over two years. Diabetes continued to be the only cause in the ten leading causes of death in which whites have a higher age-adjusted death rate than Natives (16.1 deaths per 100,000 white population compared to 13.4 deaths per 100,000 Native population).

### Human Immunodeficiency Virus (HIV) infections

Deaths to Alaskans from human immunodeficiency virus (HIV) infections decreased to 10 deaths in 1997 from 16 deaths in 1996 and 30 deaths in 1995. Nationally, HIV infections ranked as the 14th leading cause of death in 1997, down from the eighth leading cause of death in 1996. In Alaska HIV fell outside the 15 leading causes of death in 1996 for the first time since 1991. Total deaths from HIV in 1997 is the lowest since 1989.

## EXTERNAL CAUSES OF DEATH

External causes of death, i.e. violent deaths, include four causes: accidents, suicide, homicide, and "other". "Other" includes violent deaths for which the manner of death is unknown; it could be accidental, suicide, or homicide. Young people are more likely to die of external causes than older people. While 17.8 percent of all deaths were from external causes, 73.3 percent of all deaths to people from birth to age 44 were from external causes. Males experienced a crude death rate from external causes almost three times that of females (108.7 per 100,000 population compared to 38.9 for females). Natives experienced a crude death rate from external causes more than double that of whites (143.3 per 100,000 compared to 64.3 for whites). In the United States in 1997, 6.2 percent of all deaths were due to external causes compared to 17.8 percent of all deaths in Alaska in 1997.

### Accidents and Adverse Effects

Accidents and adverse effects ranked as the third leading cause of death in Alaska in 1997 with 268 deaths, down from 328 accidental deaths in 1996. The age-adjusted death rate for accidents and adverse effects was 46.2 deaths per 100,000 population in 1997, down from 56.3 in 1996 and 55.8 in 1995. Accidents and adverse effects have been the third leading cause of death in Alaska every year since 1986. From 1980 through 1985, accidents were the leading cause of death every year except for 1981 and 1982 when they were the second leading cause of death.

When Years of Life Lost (YLL) is calculated by cause of death, accidents and adverse effects result in the greatest number of Years of Life Lost (8,934 years).

From 1986 through to 1994, accidents and adverse effects were the leading cause of death for Alaska Natives every year except for 1989 and 1993 when they were the second leading cause of death. From 1995 through 1997, accidents and adverse effects has been the third leading cause of death for Alaska Natives. For the first time since before 1986, accidents and adverse effects are *not* the leading cause of death for Native males. In 1997, the three leading causes of death for all Alaska Natives (males and females) were the same as for the general population: 1) cancer, 2) heart disease, and 3) accidents and adverse effects.

Accidents and adverse effects was the leading cause of death for all age groups from one year up to 45 years. Accidents and adverse effects ranked as the fifth leading cause of death in the United States in 1997.

### Suicide

Suicide ranked as the fifth leading cause of death in Alaska in 1997 with 129 deaths. This was one more suicide death than in 1996 when suicide also ranked as the fifth leading cause. The age-adjusted suicide death rate for 1997 was 21.6 deaths per 100,000 population, down from 22.8 in 1996. In 1995, Alaska had the lowest age-adjusted suicide rate since before 1990 with 20.7 deaths per 100,000 population.

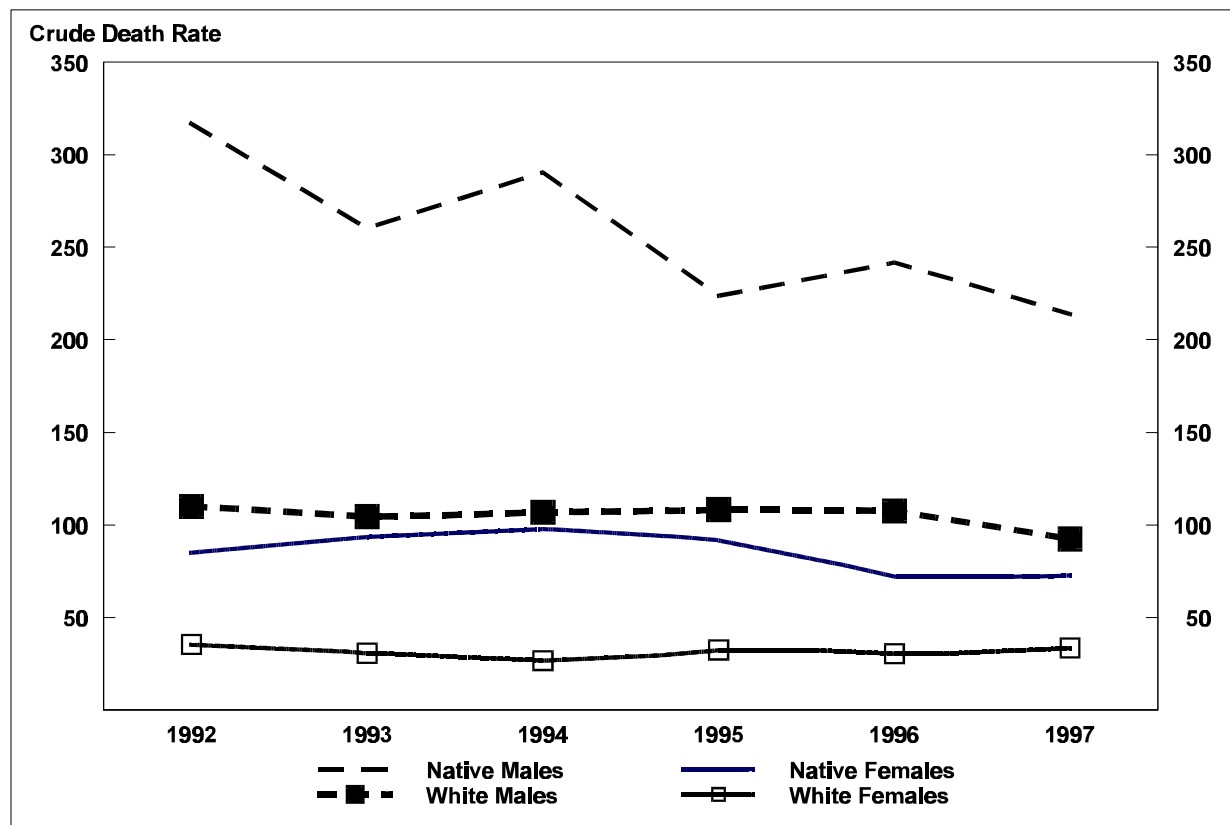
In the 15-24 year age group, there were 22 deaths from suicide, in the 25-34 year age group there were 33 suicide deaths, and in the 35-44 age group there were 37 suicide deaths in 1997, making suicide the second leading cause of death for the 15-24 and 25-34 age groups and the third leading cause of death in the 35-44 age group. Together, accidents and suicides accounted for 51.9 percent of all deaths in these three age groups. After accidents and adverse effects, suicide results in the greatest number of years of life lost (3,651).

### Homicide

Homicide and legal intervention increased by 31.0 percent, from 42 deaths in 1996 to 55 deaths in 1997. This is still lower, however, than the 59 homicide deaths recorded in 1995. Males made up 80 percent of homicide victims. Whites constituted 52.7 percent of homicide victims; Natives 30.9 percent. One-third of all homicide victims were between the ages of 15 and 34, and another one-third were between the ages of 35 and 44.

Homicide was the eighth leading cause of death in 1997, up from the ninth leading cause of death in 1996. It was the fifth leading cause of death in years of life lost (1,663).

**CHART 6.7** CRUDE DEATH RATES FOR EXTERNAL CAUSES OF DEATH FOR ALASKA WHITE AND NATIVE RESIDENTS BY SEX, 1992-1997



**SPECIFIC DEATH RATES BY CAUSE OF DEATH**

Tables 6.8A through 6.10B provide numbers and percentages of deaths by cause for specific populations (by sex, race, and age). Sex-specific, race-specific, sex/race-specific, and age-specific rates are also given. In cases where there were fewer than three deaths, the rates have been blanked out since rates based on small numbers are not meaningful.

**TABLE 6.8A ALASKA RESIDENT DEATHS, PERCENT, AND SEX-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE UNITED STATES, 1997**

15 LEADING CAUSES OF DEATH IN THE U.S. BY RANK	MALE			FEMALE			TOTAL
	DEATHS			DEATHS			
	NO.	PCT	RATE	NO.	PCT	RATE	
1 HEART DISEASE	331	21.4	104.0	218	21.1	74.4	549
2 CANCER	337	21.8	105.9	279	27.0	95.2	616
3 CEREBROVASCULAR DISEASES	70	4.5	22.0	62	6.0	21.2	132
4 CHRONIC OBSTRUCTIVE PULMONARY DISEASES	65	4.2	20.4	55	5.3	18.8	120
5 ACCIDENTS & ADVERSE EFFECTS	194	12.5	61.0	74	7.1	25.3	268
6 PNEUMONIA & INFLUENZA	26	1.7	8.2	22	2.1	7.5	48
7 DIABETES MELLITUS	41	2.7	12.9	38	3.7	13.0	79
8 SUICIDE	102	6.6	32.1	27	2.6	9.2	129
9 NEPHRITIS, NEPHROTIC SYNDROME & NEPHRO	7	0.5	2.2	11	1.1	3.8	18
10 CHRONIC LIVER DISEASE & CIRRHOSIS	36	2.3	11.3	12	1.2	4.1	48
11 SEPTICEMIA	7	0.5	2.2	7	0.7	2.4	14
12 ALZHEIMER'S DISEASE	4	0.3	1.3	7	0.7	2.4	11
13 HOMICIDE & LEGAL INTERVENTION	44	2.8	13.8	11	1.1	3.8	55
14 HIV INFECTION	8	0.5	2.5	2	0.2		10
15 ATHEROSCLEROSIS	5	0.3	1.6	4	0.4	1.4	9
ALL OTHER CAUSES	270	17.5	84.8	206	19.9	70.3	476
TOTAL	1,547	100.0	486.1	1,035	100.0	352.5	2,582

TABLE 6.8B ALASKA RESIDENT DEATHS, PERCENT, AND RACE-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE UNITED STATES, 1997

15 LEADING CAUSES OF DEATH IN THE U.S. BY RANK	WHITE			NATIVE			ALL OTHER			TOTAL
	DEATHS			DEATHS			DEATHS			
	NO.	PCT.	RATE	NO.	PCT.	RATE	NO.	PCT.	RATE	
1 HEART DISEASE	421	23.2	92.8	101	16.4	99.1	27	18.2	32.4	549
2 CANCER	449	24.7	98.9	133	21.6	130.5	34	23.0	25.2	616
3 CEREBROVASCULAR DISEASES	87	4.8	19.2	32	5.2	31.4	13	8.8	18.0	132
4 CHRONIC OBSTRUCTIVE PULMONARY DISEASES	88	4.8	19.4	30	4.9	29.4	2	1.4		120
5 ACCIDENTS & ADVERSE EFFECTS	172	9.5	37.9	91	14.7	89.3	5	3.4		268
6 PNEUMONIA & INFLUENZA	28	1.5	6.2	16	2.6	15.7	4	2.7	7.2	48
7 DIABETES MELLITUS	61	3.4	13.4	10	1.6	9.8	8	5.4	5.4	79
8 SUICIDE	85	4.7	18.7	37	6.0	36.3	7	4.7	9.0	129
9 NEPHRITIS, NEPHROTIC SYNDROME & NEPHRO	14	0.8	3.1	4	0.6	3.9				18
10 CHRONIC LIVER DISEASE & CIRRHOSIS	36	2.0	7.9	10	1.6	9.8	2	1.4		48
11 SEPTICEMIA	8	0.4	1.8	5	0.8	4.9	1	0.7		14
12 ALZHEIMER'S DISEASE	11	0.6	2.4							11
13 HOMICIDE & LEGAL INTERVENTION	29	1.6	6.4	17	2.8	16.7	9	6.1	9.0	55
14 HIV INFECTION	7	0.4	1.5	1	0.2		2	1.4		10
15 ATHEROSCLEROSIS	9	0.5	2.0							9
ALL OTHER CAUSES	312	17.2	68.7	130	21.1	127.6	34	23.0	34.2	476
TOTAL	1,817	100.0	400.3	617	100.0	604.5	148	100.0	140.5	2,582

TABLE 6.8C ALASKA RESIDENT DEATHS, PERCENT, AND SEX-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN ALASKA, 1997

15 LEADING CAUSES OF DEATH IN ALASKA BY RANK	MALE			FEMALE			TOTAL DEATHS
	DEATHS		CRUDE	DEATHS		CRUDE	
	NO.	PCT.	RATE	NO.	PCT.	RATE	
01 CANCER	337	21.8	105.9	279	27.0	95.2	616
02 HEART DISEASE	331	21.4	104.0	218	21.1	74.4	549
03 ACCIDENTS & ADVERSE EFFECTS	194	12.5	61.0	74	7.1	25.3	268
04 CEREBROVASCULAR DISEASES	70	4.5	22.0	62	6.0	21.2	132
05 SUICIDE	102	6.6	32.1	27	2.6	9.2	129
06 CHRONIC OBSTRUCTIVE PULMONARY DISEASES	65	4.2	20.4	55	5.3	18.8	120
07 DIABETES MELLITUS	41	2.7	12.9	38	3.7	13.0	79
08 HOMICIDE & LEGAL INTERVENTION	44	2.8	13.8	11	1.1	3.8	55
09 CHRONIC LIVER DISEASE & CIRRHOSIS	36	2.3	11.3	12	1.2	4.1	48
09 PNEUMONIA & INFLUENZA	26	1.7	8.2	22	2.1	7.5	48
11 CONGENITAL ANOMALIES	18	1.2	5.7	13	1.3	4.4	31
12 PERINATAL PERIOD CONDITIONS	19	1.2	6.0	6	0.6	2.0	25
13 NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	7	0.5	2.2	11	1.1	3.8	18
14 SEPTICEMIA	7	0.5	2.2	7	0.7	2.4	14
15 ALZHEIMER'S DISEASE	4	0.3	1.3	7	0.7	2.4	11
15 HYPERTENSION	5	0.3	1.6	6	0.6	2.0	11
ALL OTHER CAUSES	241	15.6	75.7	187	18.1	63.8	428
TOTAL	1,547	100.0	486.1	1,035	100.0	353.2	2,582

TABLE 6.8D RESIDENT DEATHS, PERCENT, AND RACE-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN ALASKA, 1997

15 LEADING CAUSES OF DEATH IN ALASKA BY RANK	WHITE			NATIVE			ALL OTHER			TOTAL
	DEATHS			DEATHS			DEATHS			
	NO.	PCT	RATE	NO.	PCT	RATE	NO.	PCT	RATE	
01 CANCER	449	24.7	98.9	133	21.6	130.5	34	23.0	25.2	616
02 HEART DISEASE	421	23.2	92.8	101	16.4	99.1	27	18.2	32.4	549
03 ACCIDENTS & ADVERSE EFFECTS	172	9.5	37.9	91	14.7	89.3	5	3.4		268
04 CEREBROVASCULAR DISEASES	87	4.8	19.2	32	5.2	31.4	13	8.8	18.0	132
05 SUICIDE	85	4.7	18.7	37	6.0	36.3	7	4.7	9.0	129
06 CHRONIC OBSTRUCTIVE PULMONARY DISEASES	88	4.8	19.4	30	4.9	29.4	2	1.4		120
07 DIABETES MELLITUS	61	3.4	13.4	10	1.6	9.8	8	5.4	5.4	79
08 HOMICIDE & LEGAL INTERVENTION	29	1.6	6.4	17	2.8	16.7	9	6.1	9.0	55
09 CHRONIC LIVER DISEASE & CIRRHOSIS	36	2.0	7.9	10	1.6	9.8	2	1.4		48
09 PNEUMONIA & INFLUENZA	28	1.5	6.2	16	2.6	15.7	4	2.7	7.2	48
11 CONGENITAL ANOMALIES	17	0.9	3.7	12	1.9	11.8	2	1.4		31
12 PERINATAL PERIOD CONDITIONS	14	0.8	3.1	6	1.0	5.9	5	3.4		25
13 NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	14	0.8	3.1	4	0.6	3.9				18
14 SEPTICEMIA	8	0.4	1.8	5	0.8	4.9	1	0.7		14
15 ALZHEIMER'S DISEASE	11	0.6	2.4							11
15 HYPERTENSION	9	0.5	2.0	1	0.2		1	0.7		11
ALL OTHER CAUSES	288	15.9	63.5	112	18.2	109.9	28	18.9	27.0	428
TOTAL	1,817	100.0	400.3	617	100.0	604.5	148	100.0	133.3	2,582

TABLE 6.9A RESIDENT DEATHS, PERCENT, AND RACE/SEX-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE UNITED STATES, ALASKA, 1997

15 LEADING CAUSES OF DEATH IN THE U.S. BY RANK	RACE AND GENDER OF DECEDENT														
	WHITE					NATIVE					ALL OTHER				
	MALE			FEMALE		MALE			FEMALE		MALE			FEMALE	
	DEATHS	RATE		DEATHS	RATE		DEATHS	RATE		DEATHS	RATE		DEATHS	RATE	
NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	
1 HEART DISEASE	249	23.1	104.4	172	23.3	79.8	66	17.6	129.4	35	14.5	68.7	16	17.2	41.7
2 CANCER	239	22.2	100.2	210	28.5	97.5	77	20.5	151.0	56	23.1	110.0	21	22.6	31.3
3 CEREBROVASCULAR DISEASES	49	4.5	20.5	38	5.1	17.6	13	3.5	25.5	19	7.9	37.3	8	8.6	20.8
4 CHRONIC OBSTRUCTIVE PULMONARY DISEASES	43	4.0	18.0	45	6.1	20.9	21	5.6	41.2	9	3.7	17.7	1	1.1	1
5 ACCIDENTS & ADVERSE EFFECTS	128	11.9	53.7	44	6.0	20.4	62	16.5	121.6	29	12.0	57.0	4	4.3	1
6 PNEUMONIA & INFLUENZA	16	1.5	6.7	12	1.6	5.6	7	1.9	13.7	9	3.7	17.7	3	3.2	10.4
7 DIABETES MELLITUS	34	3.2	14.3	27	3.7	12.5	4	1.1	7.8	6	2.5	11.8	3	3.2	5
8 SUICIDE	63	5.8	26.4	22	3.0	10.2	33	8.8	64.7	4	1.7	7.9	6	6.5	13.9
9 NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	6	0.6	2.5	8	1.1	3.7	1	0.3		3	1.2	5.9			
10 CHRONIC LIVER DISEASE & CIRRHOSIS	29	2.7	12.2	7	0.9	3.2	6	1.6	11.8	4	1.7	7.9	1	1.1	1
11 SEPTICEMIA	4	0.4	1.7	4	0.5	1.9	2	0.5		3	1.2	5.9	1	1.1	
12 ALZHEIMER'S DISEASE	4	0.4	1.7	7	0.9	3.2									
13 HOMICIDE & LEGAL INTERVENTION	24	2.2	10.1	5	0.7	2.3	13	3.5	25.5	4	1.7	7.9	7	7.5	13.9
14 HIV INFECTION	5	0.5	2.1	2	0.3		1	0.3					2	2.2	
15 ATHEROSCLEROSIS	5	0.5	2.1	4	0.5	1.9									
ALL OTHER CAUSES	181	16.8	75.9	131	17.8	60.8	69	18.4	135.3	61	25.2	119.8	20	21.5	45.2
TOTAL	1,079	100.0	452.5	738	100.0	341.7	375	100.0	727.7	242	100.0	475.3	93	100.0	177.2

TABLE 6.9B RESIDENT DEATHS, PERCENT, AND RACE/SEX-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN ALASKA, 1997

15 LEADING CAUSES OF DEATH IN ALASKA BY RANK	WHITE						NATIVE						ALL OTHER					
	MALE			FEMALE			MALE			FEMALE			MALE			FEMALE		
	DEATHS		RATE	DEATHS		RATE	DEATHS		RATE	DEATHS		RATE	DEATHS		RATE	DEATHS		RATE
	NO.	%		NO.	%		NO.	%		NO.	%		NO.	%		NO.	%	
01 CANCER	239	22.2	100.2	210	28.5	97.5	77	20.5	151.0	56	23.1	110.0	21	22.6	31.3	13	23.6	18.7
02 HEART DISEASE	249	23.1	104.4	172	23.3	79.8	66	17.6	129.4	35	14.5	68.7	16	17.2	41.7	11	20.0	22.5
03 ACCIDENTS & ADVERSE EFFECTS	128	11.9	53.7	44	6.0	20.4	62	16.5	121.6	29	12.0	57.0	4	4.3		1	1.8	
04 CEREBROVASCULAR DISEASES	49	4.5	20.5	38	5.1	17.6	13	3.5	25.5	19	7.9	37.3	8	8.6	20.8	5	9.1	15.0
05 SUICIDE	63	5.8	26.4	22	3.0	10.2	33	8.8	64.7	4	1.7	7.9	6	6.5	13.9	1	1.8	
06 CHRONIC OBSTRUCTIVE PULMONARY DISEASES	43	4.0	18.0	45	6.1	20.9	21	5.6	41.2	9	3.7	17.7	1	1.1		1	1.8	
07 DIABETES MELLITUS	34	3.2	14.3	27	3.7	12.5	4	1.1	7.8	6	2.5	11.8	3	3.2		5	9.1	
08 HOMICIDE & LEGAL INTERVENTION	24	2.2	10.1	5	0.7	2.3	13	3.5	25.5	4	1.7	7.9	7	7.5	13.9	2	3.6	
09 CHRONIC LIVER DISEASE & CIRRHOSIS	29	2.7	12.2	7	0.9	3.2	6	1.6	11.8	4	1.7	7.9	1	1.1		1	1.8	
09 PNEUMONIA & INFLUENZA	16	1.5	6.7	12	1.6	5.6	7	1.9	13.7	9	3.7	17.7	3	3.2	10.4	1	1.8	
11 CONGENITAL ANOMALIES	10	0.9	4.2	7	0.9	3.2	7	1.9	13.7	5	2.1	9.8	1	1.1		1	1.8	
12 PERINATAL PERIOD CONDITIONS	9	0.8	3.8	5	0.7	2.3	5	1.3	9.8	1	0.4		5	5.4				
13 NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	6	0.6	2.5	8	1.1	3.7	1	0.3		3	1.2	5.9						
14 SEPTICEMIA	4	0.4	1.7	4	0.5	1.9	2	0.5		3	1.2	5.9	1	1.1				
15 ALZHEIMER'S DISEASE	4	0.4	1.7	7	0.9	3.2												
15 HYPERTENSION	4	0.4	1.7	5	0.7	2.3	1	0.3								1	1.8	
ALL OTHER CAUSES	168	15.6	70.5	120	16.3	55.7	57	15.2	111.8	55	22.7	108.0	16	17.2	38.2	12	21.8	15.0
TOTAL	1,079	100.0	452.5	738	100.0	342.6	375	100.0	727.7	242	100.0	473.3	93	100.0	170.2	55	100.0	71.1

TABLE 6.10A RESIDENT DEATHS, PERCENT, AND AGE-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE UNITED STATES, ALASKA, 1997

15 LEADING CAUSES OF DEATH IN THE U.S. BY RANK	DECEDENT'S AGE														
	0-4			5-14			15-24			25-34			35-44		
	DEATHS		RATE	DEATHS		RATE	DEATHS		RATE	DEATHS		RATE	DEATHS		RATE
	NO.	%		NO.	%		NO.	%		NO.	%		NO.	%	
1 HEART DISEASE	2	2.0		2	5.6		2	2.1		4	2.7	4.3	25	10.6	20.8
2 CANCER	2	2.0		4	11.1	3.6	6	6.4	7.6	6	4.1	6.4	38	16.1	31.6
3 CEREBROVASCULAR DISEASES	1	1.0					1	1.1		2	1.4		7	3.0	5.8
4 CHRONIC OBSTRUCTIVE PULMONARY DISEASES				1	2.8					1	0.7		2	0.8	
5 ACCIDENTS & ADVERSE EFFECTS	16	15.8	31.0	18	50.0	16.1	47	50.0	59.4	53	35.8	56.9	56	23.7	46.5
6 PNEUMONIA & INFLUENZA	3	3.0	5.8							1	0.7				
7 DIABETES MELLITUS							1	1.1		3	2.0	3.2	1	0.4	
8 SUICIDE				3	8.3	2.7	22	23.4	27.8	33	22.3	35.4	37	15.7	30.7
10 CHRONIC LIVER DISEASE & CIRRHOSIS										4	2.7	4.3	11	4.7	9.1
11 SEPTICEMIA	1	1.0													
13 HOMICIDE & LEGAL INTERVENTION	6	5.9	11.6	2	5.6		9	9.6	11.4	9	6.1	9.7	18	7.6	15.0
14 HIV INFECTION													8	3.4	6.6
ALL OTHER CAUSES	70	69.3	135.5	6	16.7	5.4	6	6.4	7.6	32	21.6	34.3	33	14.0	27.4
TOTAL	101	100.0	183.9	36	100.0	27.7	94	100.0	113.8	148	100.0	154.5	236	100.0	193.5

Continued →

TABLE 6.10A (CONTINUED)

15 LEADING CAUSES OF DEATH IN THE U.S. BY RANK	DECEDENT'S AGE														
	45-54			55-64			65-74			75-84			85+		
	DEATHS			DEATHS			DEATHS			DEATHS			DEATHS		
	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE
1 HEART DISEASE	57	20.0	66.7	82	23.6	214.3	132	25.0	637.1	131	26.7	1485.8	112	35.3	6011.8
2 CANCER	95	33.3	111.2	128	36.9	334.4	207	39.3	999.1	93	18.9	1054.8	37	11.7	1986.0
3 CEREBROVASCULAR DISEASES	8	2.8	9.4	16	4.6	41.8	14	2.7	67.6	48	9.8	544.4	35	11.0	1878.7
4 CHRONIC OBSTRUCTIVE PULMONARY DISEASES	6	2.1	7.0	17	4.9	44.4	34	6.5	164.1	41	8.4	465.0	18	5.7	966.2
5 ACCIDENTS & ADVERSE EFFECTS	29	10.2	33.9	17	4.9	44.4	19	3.6	91.7	11	2.2	124.8	2	0.6	
6 PNEUMONIA & INFLUENZA	2	0.7		1	0.3		6	1.1	29.0	20	4.1	226.8	15	4.7	805.2
7 DIABETES MELLITUS	5	1.8	5.9	14	4.0	36.6	24	4.6	115.8	26	5.3	294.9	5	1.6	268.4
8 SUICIDE	15	5.3	17.6	12	3.5	31.4	4	0.8	19.3	2	0.4		1	0.3	
9 NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS				1	0.3		2	0.4		10	2.0	113.4	5	1.6	268.4
10 CHRONIC LIVER DISEASE & CIRRHOSIS	13	4.6	15.2	10	2.9	26.1	5	0.9	24.1	3	0.6	34.0	2	0.6	
11 SEPTICEMIA	1	0.4					5	0.9	24.1	5	1.0	56.7	2	0.6	
12 ALZHEIMER'S DISEASE							4	0.8	19.3	4	0.8	45.4	3	0.9	161.0
13 HOMICIDE & LEGAL INTERVENTION	8	2.8	9.4	2	0.6								1	0.3	
14 HIV INFECTION	1	0.4		1	0.3										
15 ATHEROSCLEROSIS				2	0.6		1	0.2		1	0.2		5	1.6	268.4
ALL OTHER CAUSES	45	15.8	52.7	44	12.7	115.0	70	13.3	337.9	96	19.6	1088.8	74	23.3	3972.1
TOTAL	285	100.0	328.9	347	100.0	888.4	527	100.0	2529.2	491	100.0	5534.8	317	100.0	16586.2

TABLE 6.10B RESIDENT DEATHS, PERCENT, AND AGE-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN ALASKA, 1997

15 LEADING CAUSES OF DEATH IN ALASKA BY RANK	DECEDENT'S AGE														
	0-4			5-14			15-24			25-34			35-44		
	DEATHS			DEATHS			DEATHS			DEATHS			DEATHS		
	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE
01 CANCER	2	2.0		4	11.1	3.6	6	6.4	7.6	6	4.1	6.4	38	16.1	31.6
02 HEART DISEASE	2	2.0		2	5.6		2	2.1		4	2.7	4.3	25	10.6	20.8
03 ACCIDENTS & ADVERSE EFFECTS	16	15.8	31.0	18	50.0	16.1	47	50.0	59.4	53	35.8	56.9	56	23.7	46.5
04 CEREBROVASCULAR DISEASES	1	1.0					1	1.1		2	1.4		7	3.0	5.8
05 SUICIDE				3	8.3	2.7	22	23.4	27.8	33	22.3	35.4	37	15.7	30.7
06 CHRONIC OBSTRUCTIVE PULMONARY DISEASES				1	2.8					1	0.7		2	0.8	
07 DIABETES MELLITUS							1	1.1		3	2.0	3.2	1	0.4	
08 HOMICIDE & LEGAL INTERVENTION	6	5.9	11.6	2	5.6		9	9.6	11.4	9	6.1	9.7	18	7.6	15.0
09 CHRONIC LIVER DISEASE & CIRRHOSIS										4	2.7	4.3	11	4.7	9.1
09 PNEUMONIA & INFLUENZA	3	3.0	5.8							1	0.7				
11 CONGENITAL ANOMALIES	20	19.8	38.7				1	1.1		3	2.0	3.2	1	0.4	
12 PERINATAL PERIOD CONDITIONS	24	23.8	46.5												
14 SEPTICEMIA	1	1.0													
ALL OTHER CAUSES	26	25.7	50.3	6	16.7	5.4	5	5.3	6.3	29	19.6	31.1	40	16.9	33.2
TOTAL	101	100.0	183.9	36	100.0	27.7	94	100.0	112.6	148	100.0	154.5	236	100.0	192.7

Continued →



TABLE 6.10B (CONTINUED)

15 LEADING CAUSES OF DEATH IN ALASKA BY RANK	DECEDENT'S AGE														
	45-54			55-64			65-74			75-84			85+		
	DEATHS			DEATHS			DEATHS			DEATHS			DEATHS		
	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE	NO.	%	RATE
01 CANCER	95	33.3	111.2	128	36.9	334.4	207	39.3	999.1	93	18.9	1054.8	37	11.7	1986.0
02 HEART DISEASE	57	20.0	66.7	82	23.6	214.3	132	25.0	637.1	131	26.7	1485.8	112	35.3	6011.8
03 ACCIDENTS & ADVERSE EFFECTS	29	10.2	33.9	17	4.9	44.4	19	3.6	91.7	11	2.2	124.8	2	0.6	
04 CEREBROVASCULAR DISEASES	8	2.8	9.4	16	4.6	41.8	14	2.7	67.6	48	9.8	544.4	35	11.0	1878.7
05 SUICIDE	15	5.3	17.6	12	3.5	31.4	4	0.8	19.3	2	0.4		1	0.3	
06 CHRONIC OBSTRUCTIVE PULMONARY DISEASES	6	2.1	7.0	17	4.9	44.4	34	6.5	164.1	41	8.4	465.0	18	5.7	966.2
07 DIABETES MELLITUS	5	1.8	5.9	14	4.0	36.6	24	4.6	115.8	26	5.3	294.9	5	1.6	268.4
08 HOMICIDE & LEGAL INTERVENTION	8	2.8	9.4	2	0.6								1	0.3	
09 CHRONIC LIVER DISEASE & CIRRHOSIS	13	4.6	15.2	10	2.9	26.1	5	0.9	24.1	3	0.6	34.0	2	0.6	
09 PNEUMONIA & INFLUENZA	2	0.7		1	0.3		6	1.1	29.0	20	4.1	226.8	15	4.7	805.2
11 CONGENITAL ANOMALIES				2	0.6		2	0.4					2	0.6	
12 PERINATAL PERIOD CONDITIONS				1	0.3										
13 NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS				1	0.3		2	0.4		10	2.0	113.4	5	1.6	268.4
14 SEPTICEMIA	1	0.4					5	0.9	24.1	5	1.0	56.7	2	0.6	
15 ALZHEIMER'S DISEASE							4	0.8	19.3	4	0.8	45.4	3	0.9	161.0
15 HYPERTENSION				1	0.3		2	0.4		4	0.8	45.4	4	1.3	214.7
ALL OTHER CAUSES	46	16.1	53.8	43	12.4	112.4	67	12.7	323.4	93	18.9	1054.8	73	23.0	3918.4
TOTAL	285	100.0	330.1	347	100.0	885.7	527	100.0	2514.7	491	100.0	5546.1	317	100.0	16478.8

## SELECTED CAUSES OF DEATH BY RESIDENCE

TABLE 6.11A RESIDENT DEATHS BY SELECTED CAUSES OF DEATH AND BY CENSUS AREA OF DECEDENT'S RESIDENCE, NATIVES ONLY, ALASKA, 1997

CAUSE OF DEATH	CENSUS AREA OF NATIVE DECEDENT'S RESIDENCE														
	ALE	ALW	ANC	AHS	BET	BBB	DEN	DIL	FBK	HNS	JUN	KPB	KET	KOD	LKP
SEPTICEMIA					2				1						
VIRAL HEPATITIS															
HIV INFECTION												1			
CANCER	3	4	27	1	14	1		3	9		2	7	5	6	1
BENIGN NEOPLASMS			1												
DIABETES MELLITUS		2		1							1	2	2	1	
NUTRITIONAL DEFICIENCIES												1			
HEART DISEASE	1	1	6	4	8			1	6	1	2	3	3	5	
HYPERTENSION															
CEREBROVASCULAR DISEASES			9		3			2	5		1	1		2	2
ACUTE BRONCHITIS & BRONCHIOLITIS															
PNEUMONIA & INFLUENZA					2				1		1	2	1		
CHRONIC OBSTRUCTIVE PULMONARY DISEASES		3	9	1	3			1	2			1	3		
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	1				1								1		
CONGENITAL ANOMALIES			5		4										1
PERINATAL PERIOD CONDITIONS			3		2				1						
SIDS			3						1						
ALCOHOL USE/ABUSE	1	1	10	1	1			1	2	1			2	2	1
ALL OTHER INTERNAL CAUSES	1		14	2	10			1	2		2	3	2	3	1
MOTOR VEHICLE ACCIDENTS			4		2			1	2			3	2		2
OTHER ACCIDENTS	1	2	7	1	9	2	1	4	2		1	1		1	2
SUICIDES	1		4		4			2			3				2
HOMICIDES			8		1										
ALL OTHER EXTERNAL CAUSES									1						
TOTAL	9	13	110	11	66	3	1	16	35	2	13	25	21	21	11

Continued →

TABLE 6.11A (CONTINUED)

CAUSE OF DEATH	CENSUS AREA OF NATIVE DECEDENT'S RESIDENCE												TOTAL
	MSB	NOM	NSB	NAB	POW	SIT	SEF	VAL	WAH	WRP	YAK	YUK	
SEPTICEMIA		2											5
VIRAL HEPATITIS												1	1
HIV INFECTION													1
CANCER	5	10	8	4	4		1	2	12	1		3	133
BENIGN NEOPLASMS									1				2
DIABETES MELLITUS				1									10
NUTRITIONAL DEFICIENCIES													1
HEART DISEASE	3	10	7	4	8	3	2	3	2	2	1	14	100
HYPERTENSION			1										1
CEREBROVASCULAR DISEASES		4										3	32
ACUTE BRONCHITIS & BRONCHIOLITIS		1											1
PNEUMONIA & INFLUENZA		3			2	2			2				16
CHRONIC OBSTRUCTIVE PULMONARY DISEASES		2	2	2					1				30
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS							1						4
CONGENITAL ANOMALIES		1							1				12
PERINATAL PERIOD CONDITIONS													6
SIDS		1											5
ALCOHOL USE/ABUSE	1	4	1	5	1		1	1				2	39
ALL OTHER INTERNAL CAUSES	1	5	4	3	4	3		3	4		1	5	74
MOTOR VEHICLE ACCIDENTS		4	2	1				1	1				25
OTHER ACCIDENTS		5	9	3		4		2	2		1	4	64
SUICIDES	1	3	4	3	1				5	3		1	37
HOMICIDES		1	1	1				1	2			2	17
ALL OTHER EXTERNAL CAUSES													1
TOTAL	11	56	39	27	20	12	5	13	33	6	3	35	617

TABLE 6.11B RESIDENT DEATHS BY SELECTED CAUSES OF DEATH AND BY CENSUS AREA OF DECEDENT'S RESIDENCE, NON-NATIVES ONLY, ALASKA, 1997

CAUSE OF DEATH	CENSUS AREA OF NON-NATIVE DECEDENT'S RESIDENCE														
	ALE	ALW	ANC	AHS	BET	BBB	DEN	DIL	FBK	HNS	JUN	KPB	KET	KOD	LKP
TUBERCULOSIS			1												
SEPTICEMIA			4						2		1				
VIRAL HEPATITIS			3	1								1	1		
HIV INFECTION			7									1		1	
CANCER			209	3		1		1	57	3	30	62	12	2	1
BENIGN NEOPLASMS			3								1	1			
DIABETES MELLITUS			36						9	1		5	2	2	
NUTRITIONAL DEFICIENCIES			1									1			
ANEMIAS			2						2			1			
HEART DISEASE	1	1	181	1	1		1	2	65	2	32	62	11	5	
HYPERTENSION			4						2			1			
CEREBROVASCULAR DISEASES			48						16	1	2	6	1	3	
ATHEROSCLEROSIS			3						2			2			
ACUTE BRONCHITIS & BRONCHIOLITIS			1												
PNEUMONIA & INFLUENZA			13						3		2	4	4		
CHRONIC OBSTRUCTIVE PULMONARY DISEASES			38	1	1			1	11		10	12	2	1	
ULCER OF STOMACH & DUODENUM			2						1				1		
HERNIA OF ABDOMINAL CAVITY OR INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA			3						1		3	1			
CHRONIC LIVER DISEASE & CIRRHOSIS			2												
DISORDERS OF GALLBLADDER									1						
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS			2	1					2		1	3	2		
CONGENITAL ANOMALIES			8						2		1	1	2		
PERINATAL PERIOD CONDITIONS			5						5		1	2		1	
SIDS			1										1		
ALCOHOL USE/ABUSE		1	28						9			2	1		1
ALZHEIMER'S DISEASE			1						6		1	1	1		
ALL OTHER INTERNAL CAUSES	1	1	113		2			1	26	3	12	20	15	3	
MOTOR VEHICLE ACCIDENTS			1	24					13		2	13	1		
OTHER ACCIDENTS			2	33	1	2	1		14		4	20	3	2	3
SUICIDES			44						13		2	7	1	1	
HOMICIDES			18		2				10			1	1	1	
ALL OTHER EXTERNAL CAUSES			2						1			1		1	
TOTAL	2	6	840	8	8	2	1	5	273	10	105	231	62	23	5

Continued →

TABLE 6.11B (CONTINUED)

CAUSE OF DEATH	CENSUS AREA OF NON-NATIVE DECEDENT'S RESIDENCE											TOTAL	
	MSB	NOM	NSB	NAB	POW	SIT	SEF	VAL	WRP	YAK	YUK		UNK
TUBERCULOSIS													1
SEPTICEMIA	1								1				9
VIRAL HEPATITIS	2												8
HIV INFECTION													9
CANCER	51	1		1	6	8	8	11	10	4	2		483
BENIGN NEOPLASMS													5
DIABETES MELLITUS	8					1	1		4				69
NUTRITIONAL DEFICIENCIES									1				3
ANEMIAS													5
HEART DISEASE	48	2			4	8	6	11	3		1		448
HYPERTENSION	2					1							10
CEREBROVASCULAR DISEASES	12					8	1	2					100
ATHEROSCLEROSIS	1										1		9
ACUTE BRONCHITIS & BRONCHIOLITIS													1
PNEUMONIA & INFLUENZA	4					1			1				32
CHRONIC OBSTRUCTIVE PULMONARY DISEASES	7	1					2	1	2				90
ULCER OF STOMACH & DUODENUM													4
HERNIA OF ABDOMINAL CAVITY OR INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	1												9
CHRONIC LIVER DISEASE & CIRRHOSIS	4								1				7
DISORDERS OF GALLBLADDER	1					1		1					4
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	3												14
CONGENITAL ANOMALIES	2	1					1		1				19
PERINATAL PERIOD CONDITIONS	3						1	1					19
SIDS	1				1								4
ALCOHOL USE/ABUSE	4			1	1			1	1			1	51
ALZHEIMER'S DISEASE	1												11
ALL OTHER INTERNAL CAUSES	20					3	2	3	3			3	231
MOTOR VEHICLE ACCIDENTS	8		1										63
OTHER ACCIDENTS	6	1	3		3	3		2	6		1		110
SUICIDES	14	1				2	2		3		2		92
HOMICIDES	3							2					38
ALL OTHER EXTERNAL CAUSES	2												7
TOTAL	209	7	4	2	15	36	24	35	37	4	7	4	1,965

## DETAILED CAUSES OF DEATH

TABLE 6.12 RESIDENT DEATHS BY DETAILED CAUSES OF DEATH AND BY CENSUS AREA OF DECEDENT'S RESIDENCE, ALASKA, 1997

CAUSE OF DEATH	CENSUS AREA OF DECEDENT'S RESIDENCE														
	ALE	ALW	ANC	AHS	BET	BBB	DEN	DIL	FBK	HNS	JUN	KPB	KET	KOD	LKP
TUBERCULOSIS			1												
SEPTICEMIA			4		2				3		1				
HIV INFECTION			7									2		1	
CANCER: LIP, ORAL CAVITY & PHARYNX			5	1					2		1				
CANCER: DIGESTIVE ORGANS & PERITONEUM	1	2	41	1	4			2	20	2	6	16	4	2	1
CANCER: RESPIRATORY & INTRATHORACIC ORGANS		2	78	1	5			1	20		11	25	3	3	
CANCER: BREAST			21		2				2		1	3	1	2	
CANCER: GENITAL ORGANS	1		29						6		5	7	4		
CANCER: URINARY ORGANS			11		1	1			3			2			
CANCER: OTHER & UNSPECIFIED SITES	1		30	1		1		1	8		6	12	3		1
CANCER: LEUKEMIA			6		1				2		1	1	1		
CANCER: OTHER LYMPHATIC & HEMATOPOIETIC TISSUES			15		1				3	1	1	3	1	1	
DIABETES MELLITUS		2	36	1					9	1	1	7	4	3	
RHEUMATIC FEVER & RHEUMATIC HEART DISEASE			3								1	1	1		
HYPERTENSIVE HEART DISEASE	1		6		1										1
HYPERTENSIVE HEART & RENAL DISEASE											1				
ACUTE MYOCARDIAL INFARCTION		1	38	1	1			1	16	2	7	9	3	1	
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE			76		1		1	2	24		12	24	5	6	
OTHER HEART DISEASE	1	1	64	4	6				31	1	13	31	5	2	
ALCOHOL USE/ABUSE	1	2	38	1	1			1	11	1		2	3	2	2
CEREBROVASCULAR DISEASES			57		3			2	21	1	3	7	1	5	2
ATHEROSCLEROSIS			3						2			2			
ACUTE BRONCHITIS & BRONCHIOLITIS			1												
PNEUMONIA & INFLUENZA			13		2				4		3	6	5		
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES		3	40	2	4			2	10		6	10	1	1	
EMPHYSEMA			6						2		2	2	1		
ASTHMA			1						1		2	1	3		
CHRONIC LIVER DISEASE & CIRRHOSIS			2												
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	1		2	1	1				2		1	3	3		
CONGENITAL ANOMALIES			13		4				2		1	1	2	1	
PERINATAL PERIOD CONDITIONS			8		2				6		1	2		1	
SIDS			4						1				1		
ALZHEIMER'S DISEASE			1						6		1	1	1		
MOTOR VEHICLE ACCIDENTS		1	28		2			1	15		2	16	3		2
ALL OTHER ACCIDENTS & ADVERSE EFFECTS	1	4	40	2	11	3	1	4	16		5	21	3	3	5
SUICIDE	1		48		4			2	13		5	7	1	1	2
HOMICIDE & LEGAL INTERVENTION			26		3				10			1	1	1	
ALL OTHER CAUSES	2	1	148	3	12			2	37	3	18	31	19	7	1
TOTAL	11	19	950	19	74	5	2	21	308	12	118	256	83	44	16

Continued →

TABLE 6.12 (CONTINUED)

CAUSE OF DEATH	CENSUS AREA OF NATIVE DECEDENT'S RESIDENCE												TOTAL	
	MSB	NOM	NSB	NAB	POW	SIT	SEF	VAL	WAH	WRP	YAK	YUK		UNK
TUBERCULOSIS														1
SEPTICEMIA	1	2								1				14
HIV INFECTION														10
CANCER: LIP, ORAL CAVITY & PHARYNX	2					1	1		1					14
CANCER: DIGESTIVE ORGANS & PERITONEUM	10	3	2	2	2	3	4	1	5	1				135
CANCER: RESPIRATORY & INTRATHORACIC ORGANS	16	4	3	1	4	2	2	4	6	4	2	2		199
CANCER: BREAST	5							1		2		1		41
CANCER: GENITAL ORGANS	6	1			1			2				1		63
CANCER: URINARY ORGANS	3	1						1						23
CANCER: OTHER & UNSPECIFIED SITES	5	2	3	2	3	2	1	2		2	1			87
CANCER: LEUKEMIA	5							1	1		2	1	1	23
CANCER: OTHER LYMPHATIC & HEMATOPOIETIC TISSUES	4							1						31
DIABETES MELLITUS	8			1		1	1			4				79
RHEUMATIC FEVER & RHEUMATIC HEART DISEASE	2	1												9
HYPERTENSIVE HEART DISEASE	2			1				1						13
HYPERTENSIVE HEART & RENAL DISEASE														1
ACUTE MYOCARDIAL INFARCTION	14	2	1		5	4	4	1		1		2		114
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	11	3	2	2	3	5	3	7	1	1	1	2		192
OTHER HEART DISEASE	22	6	4	1	4	2	1	5	1	3		11		219
ALCOHOL USE/ABUSE	5	4	1	6	2		1	2		1		2	1	90
CEREBROVASCULAR DISEASES	12	4				8	1	2				3		132
ATHEROSCLEROSIS	1											1		9
ACUTE BRONCHITIS & BRONCHIOLITIS		1												2
PNEUMONIA & INFLUENZA	4	3			2	3			2	1				48
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES	6	3	2	2			1	1	1	2				97
EMPHYSEMA							1							14
ASTHMA	1													9
CHRONIC LIVER DISEASE & CIRRHOSIS	4									1				7
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	3						1							18
CONGENITAL ANOMALIES	2	2					1		1	1				31
PERINATAL PERIOD CONDITIONS	3						1	1						25
SIDS	1	1			1									9
ALZHEIMER'S DISEASE	1													11
MOTOR VEHICLE ACCIDENTS	8	4	3	1				1	1					88
ALL OTHER ACCIDENTS & ADVERSE EFFECTS	6	6	12	3	3	7		4	2	6	1	5		174
SUICIDE	15	4	4	3	1	2	2		5	6		3		129
HOMICIDE & LEGAL INTERVENTION	3	1	1	1				3	2			2		55
ALL OTHER CAUSES	29	5	5	3	4	8	2	7	5	4	1	6	3	366
TOTAL	220	63	43	29	35	48	29	48	33	43	7	42	4	2,582

TABLE 6.13 RESIDENT DEATHS BY DETAILED CAUSES OF DEATH AND BY NATIVE REGIONAL CORPORATION OF DECEDENT'S RESIDENCE, ALASKA, 1997

CAUSE OF DEATH	NATIVE REGIONAL CORP OF DECEDENT'S RESIDENCE													TOTAL
	AHT	ALE	ARC	BER	BRI	CAL	CHU	COO	DOY	KON	NAN	SEA	UNK	
TUBERCULOSIS								1						1
SEPTICEMIA				2		2		5	3			2		14
HIV INFECTION							2	7		1				10
CANCER: LIP, ORAL CAVITY & PHARYNX						1		7	3			3		14
CANCER: DIGESTIVE ORGANS & PERITONEUM		3	2	3	3	9	3	65	24	2	2	19		135
CANCER: RESPIRATORY & INTRATHORACIC ORGANS	1	2	3	4	1	11	8	114	24	3	1	27		199
CANCER: BREAST						2	1	29	3	2		4		41
CANCER: GENITAL ORGANS	1	1		1				3	40	7		10		63
CANCER: URINARY ORGANS				1	1	1	1	16	3					23
CANCER: OTHER & UNSPECIFIED SITES	1	1	3	2	3		3	45	9		2	18		87
CANCER: LEUKEMIA						1	1	12	4			5		23
CANCER: OTHER LYMPHATIC & HEMATOPOIETIC TISSUES	1					1		22	3	1		3		31
DIABETES MELLITUS		2					2	49	10	3	1	12		79
RHEUMATIC FEVER & RHEUMATIC HEART DISEASE				1				6				2		9
HYPERTENSIVE HEART DISEASE		1				1	1	8		1	1			13
HYPERTENSIVE HEART & RENAL DISEASE												1		1
ACUTE MYOCARDIAL INFARCTION	1	1	1	2	1	1	1	60	22	1		23		114
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	4		2	3	2	2	4	110	30	6	2	27		192
OTHER HEART DISEASE	1	2	4	6		7	9	112	43	2	1	32		219
ALCOHOL USE/ABUSE		3	1	4	2	1	2	45	14	3	6	8	1	90
CEREBROVASCULAR DISEASES			4	4	3	2	76	25	5			13		132
ATHEROSCLEROSIS								6	3					9
ACUTE BRONCHITIS & BRONCHIOLITIS				1				1						2
PNEUMONIA & INFLUENZA				3		4	3	20	4			14		48
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES		3	2	3	2	5	1	56	11	1	2	11		97
EMPHYSEMA							1	7	3			3		14
ASTHMA							1	2	1			5		9
CHRONIC LIVER DISEASE & CIRRHOSIS								6				1		7
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS		1				1		8	3			5		18
CONGENITAL ANOMALIES				2		5		16	3	1		4		31
PERINATAL PERIOD CONDITIONS	1					2		13	7	1		1		25
SIDS				1				5	1			2		9
ALZHEIMER'S DISEASE								3	6			2		11
MOTOR VEHICLE ACCIDENTS		1	3	4	2	3	2	51	15	1	1	5		88
ALL OTHER ACCIDENTS & ADVERSE EFFECTS	2	5	12	6	9	13	2	70	22	3	3	27		174
SUICIDE		1	4	4	4	9	1	69	18	1	3	15		129
HOMICIDE & LEGAL INTERVENTION	3		1	1		5		30	12	1	1	1		55
ALL OTHER CAUSES	3	3	5	5	3	17	8	204	45	7	3	60	3	366
TOTAL	19	30	43	63	37	107	62	1,396	381	46	29	365	4	2,582



TABLE 6.14 RESIDENT DEATHS BY DETAILED CAUSES OF DEATH, BY SEX AND RACE, ALASKA, 1997

CAUSE OF DEATH	SEX		RACE				TOTAL	
	MALE	FEMALE	WHITE	NATIVE	BLACK	AS/PI		UNKN
TUBERCULOSIS	1					1	1	
SEPTICEMIA	7	7	8	5	1		14	
HIV INFECTION	8	2	7	1	2		10	
CANCER: LIP, ORAL CAVITY & PHARYNX	11	3	9	5			14	
CANCER: DIGESTIVE ORGANS & PERITONEUM	85	50	84	46	3	2	135	
CANCER: RESPIRATORY & INTRATHORACIC ORGANS	129	70	143	42	8	5	199	
CANCER: BREAST		41	30	7	3	1	41	
CANCER: GENITAL ORGANS	22	41	52	9	1	1	63	
CANCER: URINARY ORGANS	15	8	18	3	1	1	23	
CANCER: OTHER & UNSPECIFIED SITES	46	41	69	14	1	3	87	
CANCER: LEUKEMIA	12	11	19	3	1		23	
CANCER: OTHER LYMPHATIC & HEMATOPOIETIC TISSUES	17	14	25	4	1	1	31	
DIABETES MELLITUS	41	38	61	10	5	3	79	
RHEUMATIC FEVER & RHEUMATIC HEART DISEASE	3	6	7	2			9	
HYPERTENSIVE HEART DISEASE	7	6	9	3		1	13	
HYPERTENSIVE HEART & RENAL DISEASE	1		1				1	
ACUTE MYOCARDIAL INFARCTION	76	38	91	15	4	3	114	
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	132	60	154	29	1	8	192	
OTHER HEART DISEASE	111	108	159	51	3	6	219	
ALCOHOL USE/ABUSE	65	25	48	39	1	2	90	
CEREBROVASCULAR DISEASES	70	62	87	32	3	10	132	
ATHEROSCLEROSIS	5	4	9				9	
ACUTE BRONCHITIS & BRONCHIOLITIS	2			1	1		2	
PNEUMONIA & INFLUENZA	26	22	28	16		4	48	
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES	57	40	68	28		1	97	
EMPHYSEMA	5	9	14				14	
ASTHMA	3	6	6	2		1	9	
CHRONIC LIVER DISEASE & CIRRHOSIS	5	2	7				7	
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	7	11	14	4			18	
CONGENITAL ANOMALIES	18	13	17	12		2	31	
PERINATAL PERIOD CONDITIONS	19	6	14	6	3	1	25	
SIDS	5	4	3	5		1	9	
ALZHEIMER'S DISEASE	4	7	11				11	
MOTOR VEHICLE ACCIDENTS	63	25	61	25	1	1	88	
ALL OTHER ACCIDENTS & ADVERSE EFFECTS	127	47	108	64	2		174	
SUICIDE	102	27	85	37	2	5	129	
HOMICIDE & LEGAL INTERVENTION	44	11	29	17	4	5	55	
ALL OTHER CAUSES	196	170	262	80	9	14	366	
TOTAL	1,547	1,035	1,817	617	61	83	4	2,582

TABLE 6.15 RESIDENT DEATHS BY DETAILED CAUSES OF DEATH AND AGE, ALASKA, 1997

CAUSE OF DEATH	DECEDENT'S AGE GROUP										TOTAL
	<5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
TUBERCULOSIS								1			1
SEPTICEMIA	1					1		5	5	2	14
HIV INFECTION					8	1	1				10
CANCER: LIP, ORAL CAVITY & PHARYNX						2	7	3	2		14
CANCER: DIGESTIVE ORGANS & PERITONEUM				1	6	25	29	38	27	9	135
CANCER: RESPIRATORY & INTRATHORACIC ORGANS	1				6	31	46	83	28	4	199
CANCER: BREAST					9	4	7	14	5	2	41
CANCER: GENITAL ORGANS				1	1	12	10	21	10	8	63
CANCER: URINARY ORGANS		1			2	1	2	11	3	3	23
CANCER: OTHER & UNSPECIFIED SITES	1	1	2	2	8	15	21	20	11	6	87
CANCER: LEUKEMIA		2	2	1	4	2	2	5	2	3	23
CANCER: OTHER LYMPHATIC & HEMATOPOIETIC TISSUES			2	1	2	3	4	12	5	2	31
DIABETES MELLITUS			1	3	1	5	14	24	26	5	79
RHEUMATIC FEVER & RHEUMATIC HEART DISEASE					2			2	2	3	9
HYPERTENSIVE HEART DISEASE			1		1	1	3	3		4	13
HYPERTENSIVE HEART & RENAL DISEASE									1		1
ACUTE MYOCARDIAL INFARCTION					10	18	23	25	17	21	114
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	1			1	6	23	25	53	53	30	192
OTHER HEART DISEASE	1	2	1	3	6	14	31	49	58	54	219
ALCOHOL USE/ABUSE				14	23	21	18	9	4	1	90
CEREBROVASCULAR DISEASES	1		1	2	7	8	16	14	48	35	132
ATHEROSCLEROSIS							2	1	1	5	9
ACUTE BRONCHITIS & BRONCHIOLITIS	2										2
PNEUMONIA & INFLUENZA	3			1		2	1	6	20	15	48
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES						5	14	27	35	16	97
EMPHYSEMA							2	5	5	2	14
ASTHMA		1		1	2	1	1	2	1		9
CHRONIC LIVER DISEASE & CIRRHOSIS						2		2	2	1	7
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS							1	2	10	5	18
CONGENITAL ANOMALIES	20		1	3	1		2	2		2	31
PERINATAL PERIOD CONDITIONS	24						1				25
SIDS	9										9
ALZHEIMER'S DISEASE								4	4	3	11
MOTOR VEHICLE ACCIDENTS	5	6	26	17	16	10	6	1	1		88
ALL OTHER ACCIDENTS & ADVERSE EFFECTS	11	12	21	34	38	18	10	18	10	2	174
SUICIDE		3	22	33	37	15	12	4	2	1	129
HOMICIDE & LEGAL INTERVENTION	6	2	9	9	18	8	2			1	55
ALL OTHER CAUSES	15	6	5	21	22	37	34	61	93	72	366
TOTAL	101	36	94	148	236	285	347	527	491	317	2,582

## EXTERNAL CAUSE OF DEATH TABLES

Tables 6.16A through 6.20 show external causes of death in greater detail. Unlike previous tables which include only resident deaths occurring both in Alaska and out of state, these tables also include non-resident deaths occurring in Alaska. In 1997, there were 54 non-resident violent deaths in Alaska and 14 violent deaths occurring outside Alaska to Alaska residents.

## External Causes of Death by Location

Tables 6.16A and 6.16B show manner of death by census area and Native regional corporation of residence and race.

TABLE 6.16A EXTERNAL CAUSES OF DEATH BY CENSUS AREA AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

CENSUS AREA OF DECEDENT'S RESIDENCE	MANNER OF DEATH																TOTAL
	ACCIDENT				SUICIDE				HOMICIDE				OTHER				
	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	
ALEUTIANS EAST		1		1		1		1									2
ALEUTIANS WEST	2	2	1	5													5
ANCHORAGE	58	12	2	72	38	4	6	48	11	8	7	26	1		1	2	148
ANGOON-HOONAH-SKG	1	1		2													2
BETHEL	2	11		13		4		4	2	1		3					20
BRISTOL BAY	1	2		3													3
DENALI		1		1													1
DILLINGHAM		5		5		2		2									7
FAIRBANKS NSB	25	4	2	31	12		1	13	9		1	10	1	1		2	56
JUNEAU BOROUGH	6	1		7	2	3		5									12
KENAI PENINSULA	33	4		37	7			7	1			1	1			1	46
KETCHIKAN	4	2		6	1			1	1			1					8
KODIAK ISLAND	2	1		3	1			1			1	1	1			1	6
LAKE-PENINSULA	3	4		7		2		2									9
MATANUSKA-SUSITNA	14			14	14	1		15	3			3	2			2	34
NOME	1	9		10	1	3		4		1		1					15
NORTH SLOPE	4	11		15		4		4		1		1					20
NORTHWEST ARCTIC		4		4		3		3		1		1					8
PRINCE OF WALES	3			3		1		1									4
SITKA BOROUGH	3	4		7	2			2									9
SE FAIRBANKS					2			2									2
VALDEZ-CORDOVA	2	3		5					2	1		3					8
WADE HAMPTON		3		3		5		5		2		2					10
WRANGELL-PETERSBG	6			6	3	3		6									12
YAKUTAT		1		1													1
YUKON-KOYUKUK	1	5		6	2	1		3		2		2					11
UNKNOWN	1			1													1
OUTSIDE ALASKA	38	3	3	44	3		2	5	3		2	5					54
TOTAL	210	94	8	312	88	37	9	134	32	17	11	60	6	1	1	8	514

TABLE 6.16B EXTERNAL CAUSES OF DEATH BY NATIVE REGIONAL CORPORATION OF RESIDENCE AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

NATIVE REGIONAL CORPORATION OF DECEDENT'S RESIDENCE	MANNER OF DEATH																TOTAL
	ACCIDENT				SUICIDE				HOMICIDE				OTHER				
	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	
AHTNA INC	1	1		2					2	1		3					5
ALEUT CORP	2	3	1	6		1		1									7
ARCTIC SLO	4	11		15		4		4		1		1					20
BERING STS	1	9		10	1	3		4		1		1					15
BRISTOL BY	1	10		11		4		4									15
CALISTA CP	2	14		16		9		9	2	3		5					30
CHUGACH	2	2		4	1			1									5
COOK INLET	107	16	2	125	58	5	6	69	15	8	7	30	4		1	5	229
DOYON LTD	26	10	2	38	16	1	1	18	9	2	1	12	1	1		2	70
KONIAG INC	2	2		4	1			1			1	1	1			1	7
NANA CORP		4		4		3		3		1		1					8
SEALASKA	23	9		32	8	7		15	1			1					48
OUTSIDE AK	38	3	3	44	3		2	5	3		2	5					54
UNKNOWN	1			1													1
TOTAL	210	94	8	312	88	37	9	134	32	17	11	60	6	1	1	8	514

Tables 6.17A and 6.17B show external causes of death by census area and Native regional corporation of injury or death and race.

TABLE 6.17A EXTERNAL DEATHS BY THE CENSUS AREA WHERE INJURY OR DEATH OCCURRED, MANNER OF DEATH AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

CENSUS AREA OF INJURY OR DEATH	MANNER OF DEATH																TOTAL
	ACCIDENT				SUICIDE				HOMICIDE				OTHER				
	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	
ALEUTIANS EAST	3			3		1		1			1	1					5
ALEUTIANS WEST	2	2	3	7			1	1	1			1					9
ANCHORAGE	49	19	1	69	36	6	6	48	12	9	8	29	1		1	2	148
ANGOON-HOONAH-SKG	5	1	1	7													7
BETHEL	3	7		10		4		4	1	1		2					16
BRISTOL BAY	1	1		2													2
DENALI	12	1		13	1			1	1			1					15
DILLINGHAM	3	6		9		2		2									11
FAIRBANKS NSB	22	3	2	27	12	1	1	14	9	1	1	11	1	1		2	54
HAINES BOROUGH	1			1													1
JUNEAU BOROUGH	7	1		8	3	3		6									14
KENAI PENINSULA	28	4	1	33	9		1	10	1			1	1			1	45
KETCHIKAN	8	1		9	1			1	1			1					11
KODIAK ISLAND	2	2		4	2			2			1	1	1			1	8
LAKE-PENINSULA	1	6		7		2		2									9
MATANUSKA-SUSITNA	19	1		20	14			14	4			4	2			2	40
NOME	2	7		9	1	3		4									13
NORTH SLOPE	7	11		18		3		3		1		1					22
NORTHWEST ARCTIC		4		4		2		2		1		1					7
PRINCE OF WALES	3	2		5		1		1									6
SITKA BOROUGH	5	4		9	2			2									11
SE FAIRBANKS	2			2	2			2									4
VALDEZ-CORDOVA	10			10		1		1	2	1		3					14
WADE HAMPTON		3		3		4		4		2		2					9
WRANGELL-PETERSBG	2			2	3	3		6									8
YAKUTAT		1		1													1
YUKON-KOYUKUK	2	5		7	1	1		2		1		1					10
OUTSIDE ALASKA	11	2		13	1			1									14
TOTAL	210	94	8	312	88	37	9	134	32	17	11	60	6	1	1	8	514

TABLE 6.17B EXTERNAL CAUSES OF DEATH BY NATIVE REGIONAL CORPORATION WHERE INJURY OR DEATH OCCURRED, MANNER OF DEATH AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

NATIVE REGIONAL CORPORATION OF INJURY OR DEATH	MANNER OF DEATH																TOTAL
	ACCIDENT				SUICIDE				HOMICIDE				OTHER				
	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	
AHTNA INC	4			4					2	1		3					7
ALEUT CORP	5	2	3	10		1	1	2	1		1	2					14
ARCTIC SLO	7	11		18		3		3		1		1					22
BERING STS	2	7		9	1	3		4									13
BRISTOL BY	5	13		18		4		4									22
CALISTA CP	3	10		13		8		8	1	3		4					25
CHUGACH	7		1	8		1	1	2									10
COOK INLET	95	24	1	120	59	6	6	71	17	9	8	34	4		1	5	230
DOYON LTD	38	9	2	49	16	2	1	19	10	2	1	13	1	1		2	83
KONIAG INC	2	2		4	2			2			1	1	1			1	8
NANA CORP		4		4		2		2		1		1					7
SEALASKA	31	10	1	42	9	7		16	1			1					59
OUTSIDE AK	11	2		13	1			1									14
TOTAL	210	94	8	312	88	37	9	134	32	17	11	60	6	1	1	8	514

### External Causes of Death by Method

Tables 6.18A, 6.18B and 6.20, and Chart 6.8 show external causes of death by cause. Firearms accounted for more than one-quarter of all deaths from external causes (135). The next greatest cause of external causes was motor vehicles with 95 deaths. Firearms accounted for 10 accidental deaths, 89 suicide deaths, 34 homicide deaths, and two other deaths. All motor vehicle deaths were accidental. ICD-9 codes for cause of death are shown in Appendix C, Table C.2.

TABLE 6.18A EXTERNAL CAUSES OF DEATH BY METHOD AND MANNER OF DEATH AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

METHOD OF DEATH	MANNER OF DEATH																TOTAL
	ACCIDENT				SUICIDE				HOMICIDE				OTHER				
	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	
MOTOR VEHICLE	67	26	2	95													95
OTHER VEHICLE		1		1													1
DROWNING	17	18		35		1	1	2		1		1	1			1	39
WATER TRANSPORT	4	2		6													6
AIR TRANSPORT	39	12	1	52													52
MEDICAL																	
COMPLICATIONS	3			3													3
FALLS	17	6		23													23
FIRE/BURNS	7	5	1	13													13
EXPOSURE	7	4	3	14													14
SUFFOCATION	2	4		6													6
POISONING	25	7	1	33	20	1		21					2		1	3	57
STRANGULATION					7	9	2	18	1	2		3	1			1	22
FIREARMS	5	5		10	60	24	5	89	21	4	9	34	2			2	135
CUTTING/PIERCING					1	1		2	5	3	2	10					12
FIGHT/RAPE									2			2					2
CHILD BATTERING										1		1					1
OTHER ACCIDENTS	17	4		21													21
OTHER SUICIDES						1	1	2									2
OTHER HOMICIDES									3	6		9					9
OTHER EXTERNAL CAUSES														1		1	1
TOTAL	210	94	8	312	88	37	9	134	32	17	11	60	6	1	1	8	514

CHART 6.8 EXTERNAL CAUSES OF DEATH BY METHOD, ALASKA RESIDENTS AND NON-RESIDENTS, 1997

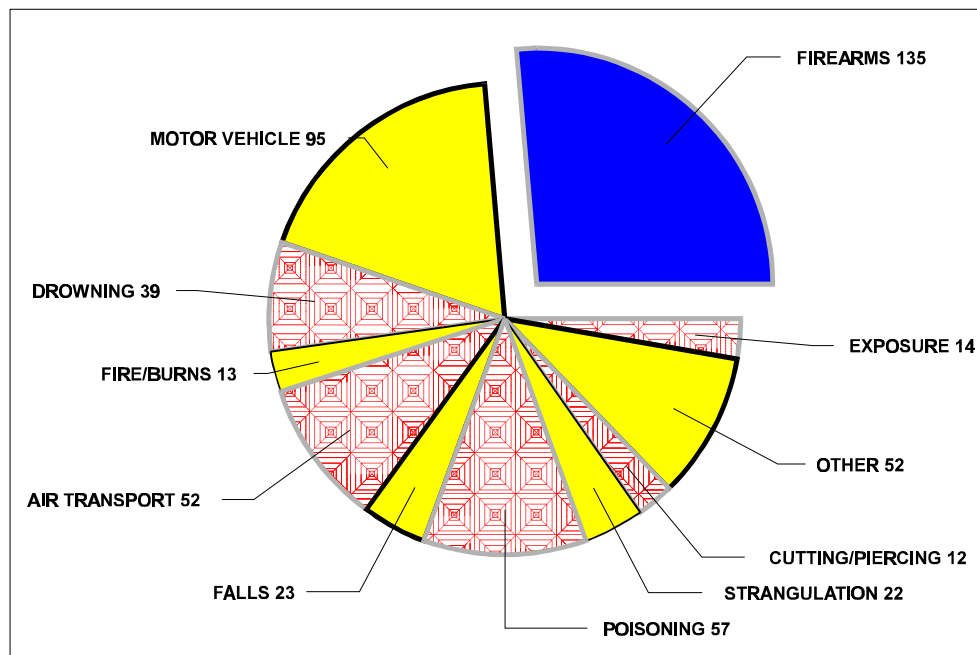


TABLE 6.18B EXTERNAL CAUSES OF DEATH BY METHOD AND MANNER OF DEATH AND SEX, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

METHOD OF DEATH	MANNER OF DEATH												TOTAL
	ACCIDENT			SUICIDE			HOMICIDE			OTHER			
	MAL	FEM	SUB-TOTAL	MAL	FEM	SUB-TOTAL	MAL	FEM	SUB-TOTAL	MAL	FEM	SUB-TOTAL	
MOTOR VEHICLE	65	30	95										95
OTHER VEHICLE		1	1										1
DROWNING	31	4	35	2		2	1		1	1		1	39
WATER TRANSPORT	5	1	6										6
AIR TRANSPORT	34	18	52										52
MEDICAL													
COMPLICATIONS	1	2	3										3
FALLS	14	9	23										23
FIRE/BURNS	7	6	13										13
EXPOSURE	11	3	14										14
SUFFOCATION	3	3	6										6
POISONING	21	12	33	10	11	21				1	2	3	57
STRANGULATION				14	4	18	1	2	3	1		1	22
FIREARMS	9	1	10	77	12	89	28	6	34	2		2	135
CUTTING/PIERCING				2		2	9	1	10				12
FIGHT/RAPE							2		2				2
CHILD BATTERING							1		1				1
OTHER ACCIDENTS	20	1	21										21
OTHER SUICIDES				1	1	2							2
OTHER HOMICIDES							6	3	9				9
OTHER EXTERNAL CAUSES										1		1	1
TOTAL	221	91	312	106	28	134	48	12	60	6	2	8	514

TABLE 6.19A EXTERNAL CAUSES OF DEATH BY MANNER OF DEATH, AGE AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

AGE OF DECEDENT	MANNER OF DEATH															TOTAL	
	ACCIDENT				SUICIDE				HOMICIDE				OTHER				
	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH	SUB-TOTAL	WHI	NAT	OTH		SUB-TOTAL
<1	2	1		3					2	3		5	1			1	9
1-4	8	5		13						1		1					14
5-14	6	12		18	2	1		3	2			2	1			1	24
15-24	33	19	1	53	8	14	2	24	7	1	4	12	1			1	90
25-34	42	14	3	59	18	13	3	34	4	4	3	11	2			2	106
35-44	46	19	1	66	29	6	3	38	10	4	4	18	1	1	1	3	125
45-54	25	10	1	36	16			16	7	1		8					60
55-64	21	4	1	26	10	2		12		2		2					40
65-74	14	7	1	22	2	1	1	4									26
75-84	11	3		14	2			2									16
85+	2			2	1			1		1		1					4
TOTAL	210	94	8	312	88	37	9	134	32	17	11	60	6	1	1	8	514



TABLE 6.19B EXTERNAL CAUSES OF DEATH BY MANNER OF DEATH, AGE AND SEX, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

AGE OF DECEDENT	MANNER OF DEATH												TOTAL
	ACCIDENT			SUICIDE			HOMICIDE			OTHER			
	MAL	FEM	SUB-TOTAL	MAL	FEM	SUB-TOTAL	MAL	FEM	SUB-TOTAL	MAL	FEM	SUB-TOTAL	
<1	2	1	3				3	2	5	1		1	9
1-4	6	7	13					1	1				14
5-14	11	7	18	3		3	2		2	1		1	24
15-24	35	18	53	23	1	24	9	3	12		1	1	90
25-34	52	7	59	29	5	34	11		11	2		2	106
35-44	52	14	66	25	13	38	15	3	18	2	1	3	125
45-54	26	10	36	11	5	16	6	2	8				60
55-64	17	9	26	8	4	12	2		2				40
65-74	13	9	22	4		4							26
75-84	7	7	14	2		2							16
85+		2	2	1		1		1	1				4
TOTAL	221	91	312	106	28	134	48	12	60	6	2	8	514

TABLE 6.20 EXTERNAL CAUSES OF DEATH BY MANNER AND METHOD OF DEATH AND AGE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1997

MANNER AND METHOD OF DEATH		AGE OF DECEDENT										TOTAL	
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84		85+
ACCIDENT	MOTOR VEHICLE		5	6	26	18	17	10	8	3	2		95
	OTHER VEHICLE									1			1
	DROWNING		2	2	6	7	9	5	2	1	1		35
	WATER TRANSPORT				2	1	2	1					6
	AIR TRANSPORT	1	2	5	4	12	13	7	5	1	2		52
	MEDICAL COMPLICATIONS	1						1		1			3
	FALLS				5	1	4	1	2	4	4	2	23
	FIRE/BURNS		2	1		2	2	1	2	3			13
	EXPOSURE		1		1	3	5	2	1	1			14
	SUFFOCATION	1			1	1				1	2		6
	POISONING			3	3	10	8	4	1	2	2		33
	FIREARMS			1	3	1	2	1	1	1			10
	OTHER ACCIDENTS		1		2	3	4	3	4	3	1		21
	SUBTOTAL	3	13	18	53	59	66	36	26	22	14	2	312
SUICIDE	DROWNING				2								2
	POISONING				1	4	9	3	3	1			21
	STRANGULATION			2	3	5	5	1	1	1			18
	FIREARMS			1	18	23	24	12	6	2	2	1	89
	CUTTING/PIERCING					1			1				2
	OTHER SUICIDES					1			1				2
	SUBTOTAL			3	24	34	38	16	12	4	2	1	134
HOMICIDE	DROWNING						1						1
	STRANGULATION	1					1	1					3
	FIREARMS			2	10	4	13	5					34
	CUTTING/PIERCING					6	3	1					10
	FIGHT/RAPE				1			1					2
	CHILD BATTERING	1											1
	OTHER HOMICIDES	3	1		1	1			2			1	9
	SUBTOTAL	5	1	2	12	11	18	8	2			1	60
OTHER	DROWNING						1						1
	POISONING				1	1	1						3
	STRANGULATION	1											1
	FIREARMS			1		1							2
	OTHER EXTERNAL CAUSES						1						1
	SUBTOTAL	1		1	1	2	3						8
TOTAL	9	14	24	90	106	125	60	40	26	16	4	514	