

FETAL AND INFANT DEATHS



"Priest, Yukon River"
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INTRODUCTION

FETAL DEATHS

A fetal death is defined as death before the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Alaska Statute 18.50.240 requires the filing of

a fetal death certificate for each fetal death that occurs in the state when the pregnancy has lasted at least twenty weeks. The filing of certificates for fetal deaths which occur prior to the twentieth week of pregnancy is optional. This chapter includes information only for fetal deaths in which either the estimated gestation or the calculated gestation (last menstrual date subtracted from the date of delivery) is at least twenty weeks.

INFANT DEATHS AND MORTALITY RATES

Infant deaths are defined as deaths that occur after a live birth and before an infant's first birthday. Infant mortality may be calculated by either of two methods: a birth cohort or a death cohort. A birth cohort includes all infants born in the same calendar year who die within one year of their birth. A death cohort includes all infant deaths that occur in a given calendar year, regardless of the birth year.

The birth cohort method is more relevant for calculating infant mortality rates because it calculates a rate for a specific group of infants, whereas the death cohort method calculates a rate based on comparing deaths in one year against births in the same year.

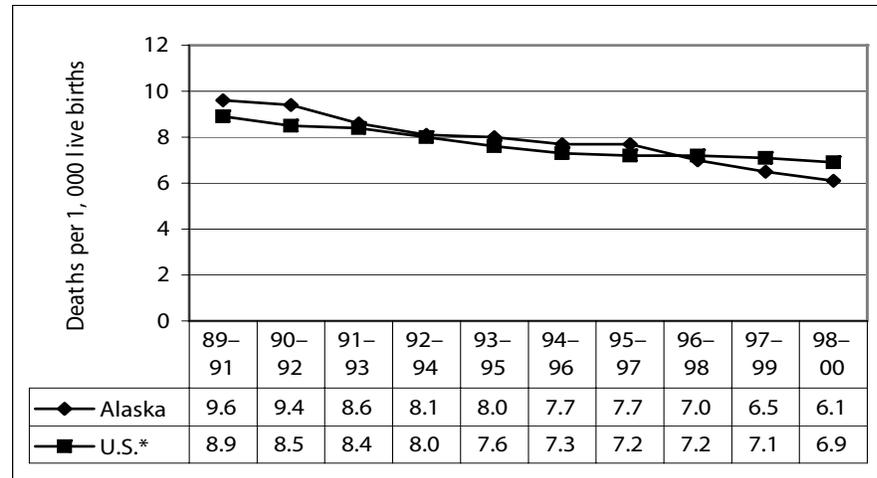
The death cohort calculation includes infants who died in the report year (2000) but may have been born in the previous year (1999), and excludes infants who were born in the report year but die in the following year.

The total number of infant deaths (death cohort) to resident mothers in 2000 was 67. This is a 21.8 percent increase from the 55 infant deaths in 1999, but a 36.8 percent decrease from the 106 infant deaths in 1991. The total number of infant deaths (birth cohort) in 2000 was 65, a 14.0 percent increase from the 57 infant deaths in 1999 and a 38.1 percent decrease from the 105 infant deaths in 1991.

Since a few additional (or less) infant deaths can cause large fluctuations in the infant mortality rate (IMR) from one year to the next, Alaska's annual IMR is calculated on a three-year moving average. The 1998 to 2000 three-year average IMR (death cohort) was 6.1 deaths per 1,000 live births, down from 6.5 deaths per 1,000 live births for 1997 to 1999. The U.S. infant mortality rate in 2000 was 6.9 deaths per 1,000 live births, which is slightly lower than the rate of 7.1 in 1999. Both the U.S. and Alaska infant mortality rates (Figure 8) have been steadily decreasing in recent years, and both are now at the lowest rates ever recorded.

FIGURE 8

INFANT MORTALITY RATES (DEATH COHORT) U.S. AND ALASKA, 1991-2000



Note: Alaska rates are three-year moving averages. U.S. rates are single year rates.

When discussing infant mortality, a distinction is made between neonatal mortality (deaths prior to the 28th day of life) and postneonatal mortality (deaths from the 28th day up to one year). Neonatal deaths are frequently associated with circumstances related to pregnancy and delivery while postneonatal deaths are often associated with living conditions. Alaska's three-year neonatal mortality rate has generally been lower than the neonatal mortality rate for the United States (Figure 9), while its three-year postneonatal mortality rate has been higher (Figure 10). The 1998 to 2000 three-year average neonatal mortality rate was 3.1 deaths per 1,000 live births, which is unchanged from the previous three-year period. The U.S. neonatal mortality rate was 4.6 deaths per 1,000 live births, which is slightly lower than the rate of 4.7 in 1999.

The 1998 to 2000 three-year average postneonatal mortality rate was 3.0 deaths per 1,000 live births, down from 3.4 deaths per 1,000 live births for 1997 to 1999. The U.S. postneonatal mortality rate was 2.3 deaths per 1,000 live births, the same as the rate reported in 1999. Since 1991, both the Alaska three-year neonatal and postneonatal mortality rates have declined 27.9 and 43.4 percent, respectively.

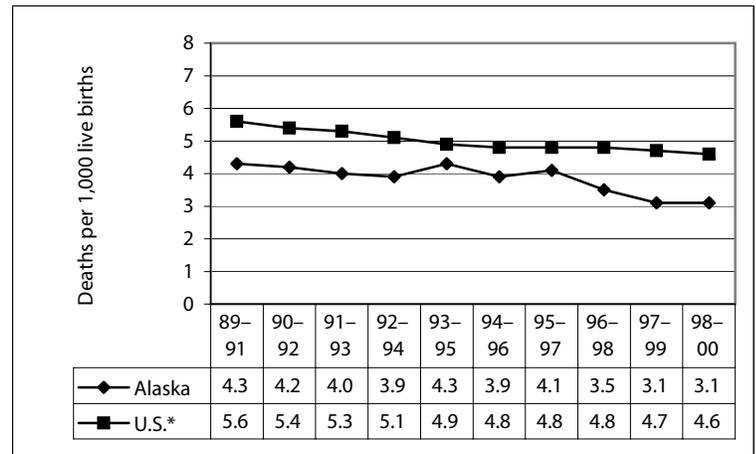
*U.S. rates provided by the United States Department of Health and Human Services (US DHHS), Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), Office of Analysis, Epidemiology, and Health Promotion (OAEHP), Compressed Mortality File (CMF) compiled from CMF 1968-1988, Series 20, No. 2A 2000, CMF 1989-1998, Series 20, No. 2E 2003 and CMF 1999-2001, Series 20, No. 2G 2004 on CDC WONDER On-line Database.

Tables 8 and 9 (pages 65 and 66) show the number of infant deaths by cause of death. The causes of death are based on the 130 selected causes of infant death tabulation list in ICD-10. From 1979 to 1998, causes of death were classified using ICD-9. Publications or tables showing mortality data under ICD-10 may differ substantially from those under ICD-9. Cause-of-death data across ICD revisions are not directly comparable, unless adjustments are made for the coding and classification changes. For further discussion on the implications of changing ICD revisions, please refer to Appendix C.

The remaining tables of this chapter show the annual occurrences of fetal and infant deaths to Alaskan residents during 2000 and for the three-year period, 1998 through 2000.

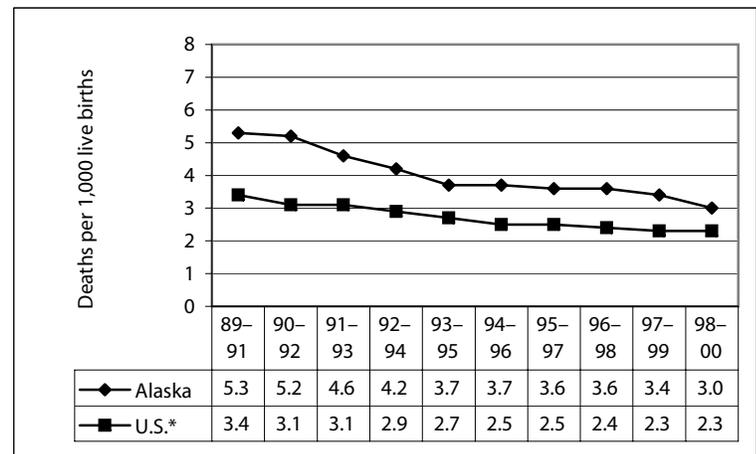
Annual rates and three-year rates for the State as a whole, its 27 census areas or boroughs, and 12 Native Regional Corporations are shown by the race and residence of the infant. Note that the infant's race is the same as the mother's race. The table of state totals provides birth information for the white, black, Native, and Asian/Pacific Islander races. However, due to the low number of reportable events for some census areas, boroughs, or Native Regional Corporations, fetal and infant deaths by these areas are only shown for the two predominant races in Alaska: Native and white.

FIGURE 9 NEONATAL MORTALITY RATES U.S. AND ALASKA, 1991-2000



Note: Alaska rates are three-year moving averages. U.S. rates are single year rates.

FIGURE 10 POSTNEONATAL MORTALITY RATES U.S. AND ALASKA, 1991-2000



Note: Alaska rates are three-year moving averages. U.S. rates are single year rates.

*U.S. rates provided by the United States Department of Health and Human Services (US DHHS), Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), Office of Analysis, Epidemiology, and Health Promotion (OAEHP), Compressed Mortality File (CMF) compiled from CMF 1968-1988, Series 20, No. 2A 2000, CMF 1989-1998, Series 20, No. 2E 2003 and CMF 1999-2001, Series 20, No. 2G 2004 on CDC WONDER On-line Database.

TABLE 4 FETAL AND INFANT DEATHS (DEATH COHORT) FOR ALASKA: 2000 AND 1998-2000, BY SEX AND RACE

FETAL/INFANT DEATHS	TOTAL				WHITE				NATIVE			
	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE
FETAL DEATHS	45	4.5	142	4.7	27	4.3	84	4.3	8	3.2 *	31	4.2
INFANT DEATHS												
NEONATAL DEATHS												
MALE	20	3.9	55	3.6	9	2.8 *	30	3.0	11	8.5	22	5.8
FEMALE	15	3.1	38	2.6	10	3.3	26	2.8	4	3.4 *	9	2.6 *
TOTAL	35	3.5	93	3.1	19	3.0	56	2.9	15	6.1	31	4.3
POSTNEONATAL DEATHS												
MALE	22	4.3	57	3.7	9	2.8 *	25	2.5	10	7.7	23	6.1
FEMALE	10	2.1	34	2.3	6	2.0 *	16	1.7	4	3.4 *	16	4.6
TOTAL	32	3.2	91	3.0	15	2.4	41	2.1	14	5.7	39	5.3
TOTAL INFANT DEATHS												
MALE	42	8.1	112	7.3	18	5.6	55	5.5	21	16.2	45	11.9
FEMALE	25	5.2	72	5.0	16	5.2	42	4.5	8	6.9 *	25	7.2
TOTAL	67	6.7	184	6.2	34	5.4	97	5.0	29	11.8	70	9.6

FETAL/INFANT DEATHS	TOTAL				BLACK				ASIAN/PI			
	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE
FETAL DEATHS	45	4.5	142	4.7	5	10.7 *	15	11.5	0	0.0	5	3.2 *
INFANT DEATHS												
NEONATAL DEATHS												
MALE	20	3.9	55	3.6	0	0.0	1	1.6 *	0	0.0	2	2.4 *
FEMALE	15	3.1	38	2.6	0	0.0	1	1.5 *	1	3.2 *	2	2.7 *
TOTAL	35	3.5	93	3.1	0	0.0	2	1.6 *	1	1.6 *	4	2.5 *
POSTNEONATAL DEATHS												
MALE	22	4.3	57	3.7	2	8.1 *	7	11.1 *	1	3.1 *	2	2.4 *
FEMALE	10	2.1	34	2.3	0	0.0	1	1.5 *	0	0.0	1	1.3 *
TOTAL	32	3.2	91	3.0	2	4.3 *	8	6.2 *	1	1.6 *	3	1.9 *
TOTAL INFANT DEATHS												
MALE	42	8.1	112	7.3	2	8.1 *	8	12.7 *	1	3.1 *	4	4.9 *
FEMALE	25	5.2	72	5.0	0	0.0	2	3.0 *	1	3.2 *	3	4.0 *
TOTAL	67	6.7	184	6.2	2	4.3 *	10	7.8	2	3.2 *	7	4.5 *

*Rates based on fewer than 10 occurrences are statistically unreliable and should be used with caution.

TABLE 5 FETAL AND INFANT DEATHS (BIRTH COHORT) FOR ALASKA: 2000 AND 1998-2000, BY SEX AND RACE

FETAL / INFANT DEATHS	TOTAL				WHITE				NATIVE			
	2000	2000	98-00	98-00	2000	2000	98-00	98-00	2000	2000	98-00	98-00
FETAL DEATHS	45	4.5	143	4.8	27	4.3	84	4.3	8	3.2 *	31	4.2
INFANT DEATHS												
NEONATAL DEATHS												
MALE	18	3.5	54	3.5	7	2.2 *	29	2.9	11	8.5	22	5.8
FEMALE	13	2.7	37	2.6	9	2.9 *	25	2.6	3	2.6 *	9	2.6 *
TOTAL	31	3.1	91	3.0	16	2.5	54	2.8	14	5.7	31	4.3
POSTNEONATAL DEATHS												
MALE	20	3.9	61	4.0	9	2.8 *	27	2.7	11	8.5	27	7.1
FEMALE	14	2.9	38	2.6	7	2.3 *	18	1.9	7	6.0 *	18	5.2
TOTAL	34	3.4	99	3.3	16	2.5	45	2.3	18	7.3	45	6.2
TOTAL INFANT DEATHS												
MALE	38	7.4	115	7.5	16	4.9	56	5.6	22	17.0	49	12.9
FEMALE	27	5.6	75	5.2	16	5.2	43	4.6	10	8.6	27	7.7
TOTAL	65	6.5	190	6.4	32	5.1	99	5.1	32	13.0	76	10.4

FETAL / INFANT DEATHS	TOTAL				BLACK				ASIAN/PI			
	2000	2000	98-00	98-00	2000	2000	98-00	98-00	2000	2000	98-00	98-00
FETAL DEATHS	45	4.5	143	4.8	5	10.7 *	15	11.5	2	3.1 *	7	4.4 *
INFANT DEATHS												
NEONATAL DEATHS												
MALE	18	3.5	54	3.5	0	0.0	1	1.6 *	0	0.0	2	2.4 *
FEMALE	13	2.7	37	2.6	0	0.0	1	1.5 *	1	3.2 *	2	2.7 *
TOTAL	31	3.1	91	3.0	0	0.0	2	1.6 *	1	1.6 *	4	2.5 *
POSTNEONATAL DEATHS												
MALE	20	3.9	61	4.0	0	0.0	6	9.5 *	0	0.0	1	1.2 *
FEMALE	14	2.9	38	2.6	0	0.0	1	1.5 *	0	0.0	1	1.3 *
TOTAL	34	3.4	99	3.3	0	0.0	7	5.4 *	0	0.0	2	1.3 *
TOTAL INFANT DEATHS												
MALE	38	7.4	115	7.5	0	0.0	7	11.1 *	0	0.0	3	3.7 *
FEMALE	27	5.6	75	5.2	0	0.0	2	3.0 *	1	3.2 *	3	4.0 *
TOTAL	65	6.5	190	6.4	0	0.0	9	7.0 *	1	1.6 *	6	3.8 *

*Rates based on fewer than 10 occurrences are statistically unreliable and should be used with caution.

TABLE 6 FETAL AND INFANT DEATHS (DEATH COHORT) FOR ALASKA: 2000 AND 1998–2000, BY RESIDENCE AND RACE

CENSUS AREA/BOROUGH	TOTAL				WHITE				NATIVE			
	2000 DEATHS	2000 RATE	98–00 DEATHS	98–00 RATE	2000 DEATHS	2000 RATE	98–00 DEATHS	98–00 RATE	2000 DEATHS	2000 RATE	98–00 DEATHS	98–00 RATE
ALEUTIANS EAST BOROUGH												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ALEUTIANS WEST CENSUS AREA												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	1	26.3 *	3	26.1 *	1	58.8 *	2	33.3 *	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	1	26.3 *	3	26.1 *	1	58.8 *	2	33.3 *	0	0.0	0	0.0
MUNICIPALITY OF ANCHORAGE												
FETAL DEATHS	16	3.9	54	4.3	9	3.2 *	33	3.7	3	5.2 *	5	3.0 *
INFANT DEATHS												
NEONATAL	8	1.9 *	32	2.5	4	1.4 *	22	2.5	3	5.2 *	6	3.6 *
POSTNEONATAL	7	1.7 *	32	2.5	4	1.4 *	14	1.6	1	1.7 *	8	4.7 *
TOTAL INFANT DEATHS	15	3.6	64	5.1	8	2.9 *	36	4.0	4	7.0 *	14	8.3
BETHEL CENSUS AREA												
FETAL DEATHS	1	2.4 *	6	4.7 *	0	0.0	0	0.0	1	2.5 *	6	5.1 *
INFANT DEATHS												
NEONATAL	6	14.3 *	8	6.3 *	0	0.0	0	0.0	6	15.2 *	8	6.8 *
POSTNEONATAL	2	4.8 *	6	4.7 *	0	0.0	0	0.0	2	5.1 *	6	5.1 *
TOTAL INFANT DEATHS	8	19.0 *	14	11.1	0	0.0	0	0.0	8	20.3 *	14	11.8
BRISTOL BAY BOROUGH												
FETAL DEATHS	1	58.8 *	1	18.5 *	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DENALI BOROUGH												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DILLINGHAM CENSUS AREA												
FETAL DEATHS	2	21.5 *	3	10.2 *	0	0.0	0	0.0	2	23.8 *	3	11.8 *
INFANT DEATHS												
NEONATAL	1	11.0 *	3	10.3 *	0	0.0	0	0.0	1	12.2 *	3	11.9 *
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	1	11.0 *	3	10.3 *	0	0.0	0	0.0	1	12.2 *	3	11.9 *
FAIRBANKS NORTH STAR BOROUGH												
FETAL DEATHS	14	9.0	26	5.9	10	8.7	19	5.7	1	5.9 *	4	8.5 *
INFANT DEATHS												
NEONATAL	6	3.9 *	14	3.2	6	5.3 *	13	3.9	0	0.0	1	2.1 *
POSTNEONATAL	5	3.3 *	10	2.3	5	4.4 *	10	3.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	11	7.2	24	5.5	11	9.6	23	6.9	0	0.0	1	2.1 *
HAINES BOROUGH												
FETAL DEATHS	0	0.0	1	14.9 *	0	0.0	0	0.0	0	0.0	1	58.8 *
INFANT DEATHS												
NEONATAL	0	0.0	2	30.3 *	0	0.0	2	46.5 *	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	2	30.3 *	0	0.0	2	46.5 *	0	0.0	0	0.0

*Rates based on fewer than 10 occurrences are statistically unreliable and should be used with caution.

TABLE 6 FETAL AND INFANT DEATHS (DEATH COHORT) FOR ALASKA: 2000 AND 1998–2000, BY RESIDENCE AND RACE

CENSUS AREA/BOROUGH	TOTAL				WHITE				NATIVE			
	2000 DEATHS	2000 RATE	98–00 DEATHS	98–00 RATE	2000 DEATHS	2000 RATE	98–00 DEATHS	98–00 RATE	2000 DEATHS	2000 RATE	98–00 DEATHS	98–00 RATE
JUNEAU BOROUGH												
FETAL DEATHS	2	4.9 *	7	5.8 *	1	3.4 *	4	4.6 *	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	3	2.5 *	0	0.0	2	2.3 *	0	0.0	1	4.3 *
POSTNEONATAL	2	4.9 *	2	1.7 *	0	0.0	0	0.0	1	13.2 *	1	4.3 *
TOTAL INFANT DEATHS	2	4.9 *	5	4.2 *	0	0.0	2	2.3 *	1	13.2 *	2	8.7 *
KENAI PENINSULA BOROUGH												
FETAL DEATHS	4	6.7 *	8	4.2 *	4	7.5 *	8	4.8 *	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	4	6.7 *	5	2.6 *	4	7.6 *	5	3.0 *	0	0.0	0	0.0
POSTNEONATAL	2	3.4 *	6	3.1 *	2	3.8 *	6	3.6 *	0	0.0	0	0.0
TOTAL INFANT DEATHS	6	10.1 *	11	5.7	6	11.3 *	11	6.6	0	0.0	0	0.0
KETCHIKAN GATEWAY BOROUGH												
FETAL DEATHS	2	10.3 *	4	6.9 *	2	14.1 *	4	9.6 *	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	2	10.4 *	2	3.5 *	2	14.3 *	2	4.9 *	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	2	10.4 *	2	3.5 *	2	14.3 *	2	4.9 *	0	0.0	0	0.0
KODIAK ISLAND BOROUGH												
FETAL DEATHS	1	4.3 *	6	8.0 *	0	0.0	4	8.9 *	1	22.2 *	1	7.5 *
INFANT DEATHS												
NEONATAL	0	0.0	2	2.7 *	0	0.0	1	2.3 *	0	0.0	0	0.0
POSTNEONATAL	0	0.0	3	4.0 *	0	0.0	1	2.3 *	0	0.0	2	15.0 *
TOTAL INFANT DEATHS	0	0.0	5	6.7 *	0	0.0	2	4.5 *	0	0.0	2	15.0 *
LAKE AND PENINSULA BOROUGH												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	1	43.5 *	1	12.5 *	0	0.0	0	0.0	1	66.7 *	1	17.9 *
POSTNEONATAL	2	87.0 *	3	37.5 *	0	0.0	0	0.0	2	133.0 *	3	53.6 *
TOTAL INFANT DEATHS	3	130.0 *	4	50.0 *	0	0.0	0	0.0	3	200.0 *	4	71.4 *
MATANUSKA-SUSITNA BOROUGH												
FETAL DEATHS	1	1.2 *	9	4.0 *	1	1.3 *	8	3.9 *	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	2	2.3 *	4	1.8 *	1	1.3 *	3	1.5 *	1	17.2 *	1	6.8 *
POSTNEONATAL	5	5.8 *	8	3.5 *	4	5.2 *	6	2.9 *	1	17.2 *	2	13.5 *
TOTAL INFANT DEATHS	7	8.1 *	12	5.3	5	6.5 *	9	4.4 *	2	34.5 *	3	20.3 *
NOME CENSUS AREA												
FETAL DEATHS	0	0.0	7	11.3 *	0	0.0	0	0.0	0	0.0	7	13.1 *
INFANT DEATHS												
NEONATAL	0	0.0	1	1.6 *	0	0.0	0	0.0	0	0.0	1	1.9 *
POSTNEONATAL	3	15.7 *	5	8.1 *	0	0.0	0	0.0	3	18.6 *	5	9.5 *
TOTAL INFANT DEATHS	3	15.7 *	6	9.8 *	0	0.0	0	0.0	3	18.6 *	6	11.3 *
NORTH SLOPE BOROUGH												
FETAL DEATHS	0	0.0	1	2.2 *	0	0.0	0	0.0	0	0.0	1	2.7 *
INFANT DEATHS												
NEONATAL	0	0.0	1	2.2 *	0	0.0	0	0.0	0	0.0	1	2.7 *
POSTNEONATAL	1	6.3 *	1	2.2 *	0	0.0	0	0.0	1	7.7 *	1	2.7 *
TOTAL INFANT DEATHS	1	6.3 *	2	4.5 *	0	0.0	0	0.0	1	7.7 *	2	5.4 *
NORTHWEST ARCTIC BOROUGH												
FETAL DEATHS	0	0.0	3	5.8 *	0	0.0	0	0.0	0	0.0	2	4.1 *
INFANT DEATHS												
NEONATAL	1	6.4 *	3	5.8 *	0	0.0	0	0.0	1	6.6 *	3	6.2 *
POSTNEONATAL	1	6.4 *	3	5.8 *	0	0.0	0	0.0	1	6.6 *	3	6.2 *
TOTAL INFANT DEATHS	2	12.7 *	6	11.6 *	0	0.0	0	0.0	2	13.2 *	6	12.3 *

*Rates based on fewer than 10 occurrences are statistically unreliable and should be used with caution.

TABLE 6 FETAL AND INFANT DEATHS (DEATH COHORT) FOR ALASKA: 2000 AND 1998-2000, BY RESIDENCE AND RACE

CENSUS AREA/BOROUGH	TOTAL				WHITE				NATIVE			
	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE
PRINCE OF WALES-OUTER KETCHIKAN CENSUS AREA												
FETAL DEATHS	0	0.0	1	3.8 *	0	0.0	1	7.6 *	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	2	7.7 *	0	0.0	1	7.7 *	0	0.0	1	7.9 *
TOTAL INFANT DEATHS	0	0.0	2	7.7 *	0	0.0	1	7.7 *	0	0.0	1	7.9 *
SITKA BOROUGH												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	1	7.7 *	2	5.6 *	0	0.0	1	4.1 *	1	27.0 *	1	10.8 *
POSTNEONATAL	0	0.0	3	8.4 *	0	0.0	1	4.1 *	0	0.0	2	21.5 *
TOTAL INFANT DEATHS	1	7.7 *	5	14.0 *	0	0.0	2	8.2 *	1	27.0 *	3	32.3 *
SKAGWAY-HOONAH-ANGOON CENSUS AREA												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	1	11.4 *	0	0.0	1	25.0 *	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	1	11.4 *	0	0.0	1	25.0 *	0	0.0	0	0.0
SOUTHEAST FAIRBANKS CENSUS AREA												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	2	6.9 *	0	0.0	2	8.7 *	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	2	6.9 *	0	0.0	2	8.7 *	0	0.0	0	0.0
VALDEZ-CORDOVA CENSUS AREA												
FETAL DEATHS	0	0.0	1	2.6 *	0	0.0	1	3.5 *	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	1	8.6 *	1	2.6 *	0	0.0	0	0.0	1	35.7 *	1	13.2 *
TOTAL INFANT DEATHS	1	8.6 *	1	2.6 *	0	0.0	0	0.0	1	35.7 *	1	13.2 *
WADE HAMPTON CENSUS AREA												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	1	4.7 *	4	6.2 *	0	0.0	0	0.0	1	4.7 *	4	6.3 *
POSTNEONATAL	1	4.7 *	4	6.2 *	0	0.0	0	0.0	1	4.7 *	4	6.3 *
TOTAL INFANT DEATHS	2	9.4 *	8	12.4 *	0	0.0	0	0.0	2	9.4 *	8	12.6 *
WRANGELL-PETERSBURG CENSUS AREA												
FETAL DEATHS	1	11.8 *	3	11.7 *	0	0.0	2	11.0 *	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
YAKUTAT BOROUGH												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
YUKON-KOYUKUK CENSUS AREA												
FETAL DEATHS	0	0.0	1	2.9 *	0	0.0	0	0.0	0	0.0	1	3.8 *
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

*Rates based on fewer than 10 occurrences are statistically unreliable and should be used with caution.

TABLE 7 FETAL AND INFANT DEATHS (DEATH COHORT) FOR ALASKA: 2000 AND 1998-2000 BY NATIVE REGIONAL CORPORATION OF RESIDENCE AND RACE

NATIVE REGIONAL CORPORATION	TOTAL				WHITE				NATIVE			
	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE
AHTNA INCORPORATED												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ALEUT CORPORATION												
FETAL DEATHS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	1	15.6 *	3	16.9 *	1	43.5 *	2	27.4 *	0	0.0	0	0.0
POSTNEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INFANT DEATHS	1	15.6 *	3	16.9 *	1	43.5 *	2	27.4 *	0	0.0	0	0.0
ARCTIC SLOPE CORPORATION												
FETAL DEATHS	0	0.0	1	2.2 *	0	0.0	0	0.0	0	0.0	1	2.7 *
INFANT DEATHS												
NEONATAL	0	0.0	1	2.2 *	0	0.0	0	0.0	0	0.0	1	2.7 *
POSTNEONATAL	1	6.3 *	1	2.2 *	0	0.0	0	0.0	1	7.7 *	1	2.7 *
TOTAL INFANT DEATHS	1	6.3 *	2	4.5 *	0	0.0	0	0.0	1	7.7 *	2	5.4 *
BERING STRAITS NATIVE CORPORATION												
FETAL DEATHS	0	0.0	7	11.3 *	0	0.0	0	0.0	0	0.0	7	13.1 *
INFANT DEATHS												
NEONATAL	0	0.0	1	1.6 *	0	0.0	0	0.0	0	0.0	1	1.9 *
POSTNEONATAL	3	15.7 *	5	8.1 *	0	0.0	0	0.0	3	18.6 *	5	9.5 *
TOTAL INFANT DEATHS	3	15.7 *	6	9.8 *	0	0.0	0	0.0	3	18.6 *	6	11.3 *
BRISTOL BAY NATIVE CORPORATION												
FETAL DEATHS	3	23.3 *	4	9.5 *	0	0.0	0	0.0	2	19.0 *	3	9.2 *
INFANT DEATHS												
NEONATAL	2	15.9 *	4	9.6 *	0	0.0	0	0.0	2	19.4 *	4	12.4 *
POSTNEONATAL	2	15.9 *	3	7.2 *	0	0.0	0	0.0	2	19.4 *	3	9.3 *
TOTAL INFANT DEATHS	4	31.7 *	7	16.9 *	0	0.0	0	0.0	4	38.8 *	7	21.7 *
CALISTA CORPORATION												
FETAL DEATHS	1	1.6 *	6	3.1 *	0	0.0	0	0.0	1	1.6 *	6	3.3 *
INFANT DEATHS												
NEONATAL	7	11.1 *	12	6.3	0	0.0	0	0.0	7	11.5 *	12	6.6
POSTNEONATAL	3	4.7 *	10	5.2	0	0.0	0	0.0	3	4.9 *	10	5.5
TOTAL INFANT DEATHS	10	15.8	22	11.5	0	0.0	0	0.0	10	16.5	22	12.1

*Rates based on fewer than 10 occurrences are statistically unreliable and should be used with caution.

TABLE 7 FETAL AND INFANT DEATHS (DEATH COHORT) FOR ALASKA: 2000 AND 1998-2000 BY NATIVE REGIONAL CORPORATION OF RESIDENCE AND RACE

NATIVE REGIONAL CORPORATION	TOTAL				WHITE				NATIVE			
	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE	2000 DEATHS	2000 RATE	98-00 DEATHS	98-00 RATE
CHUGACH ALASKA CORPORATION												
FETAL DEATHS	1	7.7 *	3	6.0 *	1	10.6 *	3	8.8 *	0	0.0	0	0.0
INFANT DEATHS												
NEONATAL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
POSTNEONATAL	1	7.8 *	1	2.0 *	0	0.0	0	0.0	1	40.0 *	1	7.6 *
TOTAL INFANT DEATHS	1	7.8 *	1	2.0 *	0	0.0	0	0.0	1	40.0 *	1	7.6 *
COOK INLET REGIONAL CORPORATION												
FETAL DEATHS	20	3.6	69	4.2	13	3.2	47	3.7	3	4.5 *	5	2.6 *
INFANT DEATHS												
NEONATAL	14	2.5	41	2.5	9	2.2 *	30	2.4	4	6.0 *	7	3.7 *
POSTNEONATAL	14	2.5	46	2.8	10	2.5	26	2.1	2	3.0 *	10	5.3
TOTAL INFANT DEATHS	28	5.1	87	5.3	19	4.7	56	4.5	6	9.0 *	17	8.9
DOYON LIMITED												
FETAL DEATHS	14	7.9	27	5.3	10	7.9	19	5.2	1	3.7 *	5	6.4 *
INFANT DEATHS												
NEONATAL	6	3.4 *	14	2.8	6	4.8 *	13	3.6	0	0.0	1	1.3 *
POSTNEONATAL	5	2.8 *	12	2.4	5	4.0 *	12	3.3	0	0.0	0	0.0
TOTAL INFANT DEATHS	11	6.2	26	5.1	11	8.8	25	6.8	0	0.0	1	1.3 *
KONIAG INCORPORATED												
FETAL DEATHS	1	4.3 *	6	8.0 *	0	0.0	4	8.9 *	1	22.2 *	1	7.5 *
INFANT DEATHS												
NEONATAL	0	0.0	2	2.7 *	0	0.0	1	2.3 *	0	0.0	0	0.0
POSTNEONATAL	0	0.0	3	4.0 *	0	0.0	1	2.3 *	0	0.0	2	15.0 *
TOTAL INFANT DEATHS	0	0.0	5	6.7 *	0	0.0	2	4.5 *	0	0.0	2	15.0 *
NANA REGIONAL CORPORATION												
FETAL DEATHS	0	0.0	3	5.8 *	0	0.0	0	0.0	0	0.0	2	4.1 *
INFANT DEATHS												
NEONATAL	1	6.4 *	3	5.8 *	0	0.0	0	0.0	1	6.6 *	3	6.2 *
POSTNEONATAL	1	6.4 *	3	5.8 *	0	0.0	0	0.0	1	6.6 *	3	6.2 *
TOTAL INFANT DEATHS	2	12.7 *	6	11.6 *	0	0.0	0	0.0	2	13.2 *	6	12.3 *
SEALASKA CORPORATION												
FETAL DEATHS	5	5.2 *	16	5.6	3	4.8 *	11	5.7	0	0.0	1	1.4 *
INFANT DEATHS												
NEONATAL	3	3.1 *	10	3.5	2	3.2 *	8	4.2 *	1	4.0 *	2	2.9 *
POSTNEONATAL	2	2.1 *	7	2.5 *	0	0.0	2	1.0 *	1	4.0 *	4	5.7 *
TOTAL INFANT DEATHS	5	5.2 *	17	6.0	2	3.2 *	10	5.2	2	8.1 *	6	8.6 *

*Rates based on fewer than 10 occurrences are statistically unreliable and should be used with caution.

TABLE 8 **INFANT DEATHS (DEATH COHORT) FOR SELECTED CAUSES OF DEATH BY AGE**
ALASKA: 2000 AND 1998–2000

CAUSE OF DEATH* (ICD-10 CAUSE OF DEATH CODES)	2000		1998–2000	
	NEONATAL	POSTNEONATAL	NEONATAL	POSTNEONATAL
INFECTIOUS AND PARASITIC DISEASE (A00–B99)	1	1	1	3
DISEASES OF THE NERVOUS SYSTEM (G00–G98)	0	3	0	4
INFLUENZA AND PNEUMONIA (J10–J18)	0	2	0	4
ACUTE BRONCHITIS/BRONCHIOLITIS (J20–J21)	0	0	1	0
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00–P96)	23	0	54	0
NEWBORN AFFECTED BY MATERNAL FACTORS AND COMPLICATIONS OF PREGNANCY (P00–P04)	4	0	12	0
NEWBORN AFFECTED BY MATERNAL COMPLICATIONS (P01)	0	0	2	0
COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES (P02)	2	0	6	0
OTHER COMPLICATIONS OF LABOR AND DELIVERY (P03)	2	0	4	0
SHORT GESTATION/LOW BIRTH WEIGHT (P07)	6	0	14	0
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA (P20–P21)	4	0	9	0
RESPIRATORY DISTRESS OF NEWBORN (P22)	1	0	5	0
OTHER RESPIRATORY CONDITIONS IN THE PERINATAL PERIOD (P23–P28)	3	0	5	0
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD (P35–P39)	2	0	3	0
CONGENITAL MALFORMATIONS (Q00–Q99)	9	5	28	14
MALFORMATIONS OF HEART (Q20–Q24)	3	2	5	6
MALFORMATIONS OF GENITOURINARY SYSTEM (Q50–Q64)	0	0	4	0
SIDS (R95)	1	5	3	35
UNINTENTIONAL INJURIES (V01–X59, Y85–Y86)	1	6	2	7
MOTOR VEHICLE (**)	0	2	0	2
ACCIDENTAL STRANGULATION/SUFFOCATION IN BED (W75)	1	4	1	4
ASSAULT (HOMICIDE) (X85–Y09, Y871)	0	5	0	7
ASSAULT (HOMICIDE) BY DISCHARGE OF FIREARMS (X93–X95)	0	0	0	1
NEGLECT, ABANDONMENT, AND OTHER MALTREATMENT SYNDROMES (Y06–Y07)	0	4	0	4
STRANGULATION/SUFFOCATION IN BED, UNDETERMINED INTENT (Y20)	0	4	0	7
ALL OTHER CAUSES	0	1	3	10

*Causes of death for 1998 are classified using ICD-9 and causes of death for 1999 and 2000 are classified using ICD-10. Causes-of-death tabulations are based on the 130 selected causes of infant death in ICD-10.

**V02–V04, V090, V092, V12–V14, V190–V192, V194–V196, V20–V79, V803–V805, V810–V811, V820–V821, V83–V86, V870–V878, V880–V888, V890, V892

TABLE 9 **INFANT DEATHS (BIRTH COHORT) FOR SELECTED CAUSES OF DEATH BY AGE**
ALASKA: 2000 AND 1998–2000

CAUSE OF DEATH* (ICD-10 CAUSE OF DEATH CODES)	2000		1998–2000	
	NEONATAL	POSTNEONATAL	NEONATAL	POSTNEONATAL
INFECTIOUS AND PARASITIC DISEASE (A00-B99)	1	1	1	3
DISEASES OF THE NERVOUS SYSTEM (G00-G98)	0	1	0	4
INFLUENZA AND PNEUMONIA (J10-J18)	0	1	0	4
ACUTE BRONCHITIS/BRONCHIOLITIS (J20-J21)	0	0	1	0
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)	21	0	54	0
NEWBORN AFFECTED BY MATERNAL FACTORS AND COMPLICATIONS OF PREGNANCY (P00-P04)	4	0	12	0
NEWBORN AFFECTED BY MATERNAL COMPLICATIONS (P01)	0	0	2	0
COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES (P02)	2	0	6	0
OTHER COMPLICATIONS OF LABOR AND DELIVERY (P03)	2	0	4	0
SHORT GESTATION/LOW BIRTH WEIGHT (P07)	6	0	14	0
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA (P20-P21)	4	0	9	0
RESPIRATORY DISTRESS OF NEWBORN (P22)	1	0	5	0
OTHER RESPIRATORY CONDITIONS IN THE PERINATAL PERIOD (P23-P28)	3	0	6	0
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD (P35-P39)	1	0	2	0
CONGENITAL MALFORMATIONS (Q00-Q99)	8	3	27	12
MALFORMATIONS OF HEART (Q20-Q24)	3	1	5	5
MALFORMATIONS OF GENITOURINARY SYSTEM (Q50-Q64)	0	0	4	0
SIDS (R95)	1	5	3	35
UNINTENTIONAL INJURIES (V01-X59, Y85-Y86)	0	13	2	14
MOTOR VEHICLE (**)	0	3	0	3
ACCIDENTAL STRANGULATION/SUFFOCATION IN BED (W75)	0	3	1	4
OTHER ACCIDENTAL STRANGULATION/SUFFOCATION (W76-W77, W81-W84)	0	5	0	5
ASSAULT (HOMICIDE) (X85-Y09, Y871)	0	3	0	8
ASSAULT (HOMICIDE) BY DISCHARGE OF FIREARMS (X93-X95)	0	1	0	2
NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES (Y06-Y07)	0	2	0	4
STRANGULATION/SUFFOCATION IN BED, UNDETERMINED INTENT (Y20)	0	5	0	9
ALL OTHER CAUSES	0	2	3	10

*Causes of death for 1998 are classified using ICD-9 and causes of death for 1999 and 2000 are classified using ICD-10. Causes-of-death tabulations are based on the 130 selected causes of infant death in ICD-10.

**V02–V04, V090, V092, V12–V14, V190–V192, V194–V196, V20–V79, V803–V805, V810–V811, V820–V821, V83–V86, V870–V878, V880–V888, V890, V892