

"Priest, Yukon River" Copyright Rie Munoz, Ltd.

In 2008...

- 37 fetal deaths occurred to Alaska mothers. From 2006-2008, the fetal death rate was 4.6 deaths per 1,000 births and fetal deaths.
- 67 infant deaths occurred of Alaska residents. From 2006-2008 the infant death rate was 6.4 infant deaths per 1,000 births.
- 25 infants died during the neonatal period. The leading cause of neonatal infant death was due to congenital malformations, deformations, and chromosomal abnormalities.
- 42 infants died during the postneonatal period. The leading cause of postneonatal infant death was Sudden Infant Death Syndrome.
- 87 children between the ages of 1 and 19 died. The leading cause of death among children was due to unintentional injuries (accidents).

Fetal and Infant Death Summary¹

A fetal death is defined as death before the complete explusion or extraction from its mother of a product of conception, irrespective of the duration of the pregnancy.² The number of fetal deaths fell from 64 in 2007 to 37 in 2008.

The fetal death rate is the number of fetal deaths per 1,000 live births and fetal deaths.³ From 2006-2008, the Alaska fetal death rate was 4.6.

In 2008, 67 infant deaths occurred to Alaska mothers. The infant moratly rate (IMR) is the number of infant deaths per 1,000 live infant births for a given calendar year. ³ From 2006-2008, the infant mortality rate for Alaska Natives was more than twice that of white mothers.

Table 12: Fetal Mortality Rates by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	4.3	4.2	4.1	4.2	4.2	4.2	3.9	5.2	6.8	6.4
White	4.3	4.4	4.1	3.6	4.0	4.8	4.7	3.9	3.5	3.3
Alaska	4.6	4.7	4.7	4.7	5.3	5.7	5.3	4.9	5.0	4.6

Table 13: Number of Infant Deaths by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	68	70	90	84	79	70	72	80	84	100
White	104	97	102	103	106	98	98	93	89	82
Alaska	194	184	205	206	210	196	200	206	206	213

Table 14: Infant Mortality Rates by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	9.4	9.6	12.2	11.4	10.7	9.4	9.3	10.0	10.3	12.0
White	5.3	5.0	5.3	5.5	5.6	5.1	5.1	4.7	4.5	4.0
Alaska	6.5	6.2	6.8	6.9	7.0	6.5	6.5	6.5	6.3	6.4

¹ Due to the low number of reportable events of Asian/PI and Black deaths, only the two predominant races in Alaska (Native and White) are reported.

 2 Alaska Statute 18.50.240 requires the filing of a fetal death certificate for each death that occurs where the pregnancy has lasted at least twenty weeks. This table only includes information in which the estimated gestation is at least twenty weeks.

³ A few additional (or) less infant deaths in Alaska can cause large fluctuations in the fetal death rate and the infant mortality rate from one year to the next. Therefore, Alaska's fetal death rate and infant mortality rates are calculated on a three-year moving average in order to provide a more reasonable basis for comparison.

Neonatal Infant Deaths^{1,2}

Neonatal deaths are deaths of infants under 28 days of age. These deaths are frequently associated with circumstances related to pregnancy and delivery. In 2008, 25 infants died within the neonatal period.

The neonatal infant mortality rate (IMR) is the number of neonatal infant deaths per 1,000 live infant births for a given calendar year. From 2006-2008, the neonatal infant mortality rate was 3.0

deaths per 1,000 births. During this period, Alaska Native infants were 1 1/2 times more likely to die during the neonatal period than white infants.

From 2004-2008, congenital malformations, deformations, and abnormalities was the leading cause of neonatal death.

Table 15: Number of Neonatal Deaths by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	27	31	31	28	22	30	33	36	31	33
White	57	56	61	58	59	47	50	48	49	45
Alaska	94	93	98	93	91	89	100	109	106	100

Table 16: Neonatal Infant Mortality Rates by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	3.7	4.3	4.2	3.8	3.0	4.0	4.3	4.5	3.8	3.9
White	2.9	2.9	3.2	3.1	3.1	2.5	2.6	2.4	2.5	2.2
Alaska	3.1	3.1	3.3	3.1	3.0	2.9	3.2	3.4	3.3	3.0

Table 17: Number of Neonatal Deaths by Cause (2004-2008)

	2004	2005	2006	2007	2008
Congenital malformations, deformations and chromosomal abnormalities	10	8	8	12	8
Newborn affected by maternal complications of pregnancy	3	7	8	1	0
Newborn affected by complications of placenta, cord, and membranes	4	1	6	0	4
Disorders related to short gestation and low birth weight, not elsewhere classified	2	5	6	5	5
Other	17	10	14	15	8
Total	36	31	42	33	25

¹ Due to the low number of reportable events of Asian/PI and Black deaths, only the two predominant races in Alaska (Native and White) are reported.

² A few additional (or) less infant deaths in Alaska can cause large fluctuations in the infant mortality rate from one year to the next. Therefore, Alaska's neonatal infant mortality rates are calculated on a three-year moving average in order to provide a more reasonable basis for comparison.

Postneonatal Infant Deaths^{1,2}

Postneonatal deaths are deaths of infants betwen 28 and 364 days of age. These deaths are frequently associated with living conditions. In 2008, 42 infants died within the postneonatal period.

The postneonatal infant mortality rate (IMR) is the number of postneonatal infant deaths per 1,000 live infant births for a given calendar year. From 2006-2008, the postneonatal infant mortality rate was 3.4 deaths per

1,000 births. During this period, Alaska Native infants were four times as likely to die during the postneonatal period than white infants.

From 2004-2008, accidents were the leading cause of postneonatal death.

Table 18: Number of Postneonatal Deaths by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	41	39	59	56	57	40	39	44	53	67
White	47	41	41	45	47	51	48	45	40	37
Alaska	100	91	107	113	119	107	100	97	100	113

Table 19: Postneonatal Infant Mortality Rates by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	5.7	5.3	8.0	7.6	7.7	5.4	5.0	5.5	6.5	8.0
White	2.4	2.1	2.1	2.4	2.5	2.7	2.5	2.3	2.0	1.8
Alaska	3.3	3.0	3.6	3.8	4.0	3.5	3.2	3.1	3.1	3.4

Table 20: Number of Postneonatal Infant Deaths by Cause (2004-2008)

	2004	2005	2006	2007	2008
Sudden infant death syndrome	10	2	10	5	9
Accidents (unintentional injuries)	9	10	10	12	3
Congenital malformations, deformations, and chromosomal abnormalities	4	6	1	4	6
Other	10	11	14	15	24
Total	33	29	35	36	42

¹ Due to the low number of reportable events of Asian/PI and Black deaths, only the two predominant races in Alaska (Native and White) are reported.

 $^{^{2}}$ A few additional (or) less infant deaths in Alaska can cause large fluctuations in the infant mortality rate from one year to the next. Therefore, Alaska's postneonatal infant mortality rates are calculated on a three-year moving average in order to provide a more reasonable basis for comparison.

Child Mortality Summary¹

The under 5 mortality rate measures how many deaths occur to children before their first birthday. For every 1,000 births, about 7 Alaskan children did not reach their fifth birthday from 2006-2008. Young Alaska Native children are more than twice as likely to die before their fifth birthday than their white counterparts.

Mortality rates for children between the ages of 5 and 19 are calculated on an age-specific basis. From 2006-

2008, approximately 27 Alaskan children died for every 100,000 population. Native children between the ages 5 and 14 are roughly twice as likely to die than their white counterparts.

From 2006-2008, approximately 89 Alaskan teenagers ied for every 100,000 population. Native teenagers (15-19) are almost three times as likely to die than their white counterparts.

Table 21: Child Under 5 Mortality Rates by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	13.3	13.7	16.8	15.6	14.8	13.0	12.7	11.9	12.2	14.1
White	6.6	6.0	6.4	6.4	6.5	6.2	6.0	5.5	4.9	5.0
Alaska	8.4	7.9	8.8	8.7	8.7	8.2	8.1	7.7	7.3	7.6

Table 22: Child (5-14) Mortality Rates by Race (1997-2008)

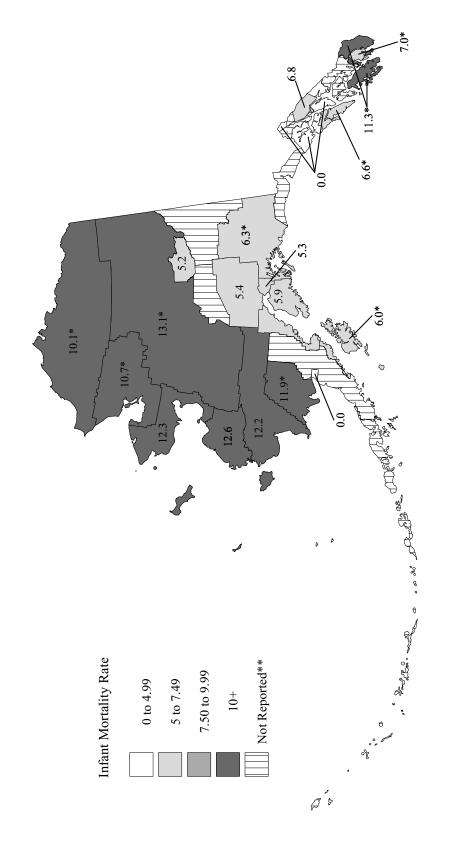
	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	45.2	39.5	43.8	51.0	49.1	48.3	43.4	49.8	53.3	55.2
White	21.0	19.6	19.0	22.4	25.7	25.2	25.4	24.6	22.4	19.1
Alaska	25.7	23.1	22.7	26.5	30.4	30.8	30.4	29.2	28.7	26.6

Table 23: Child (15-19) Mortality Rates by Race (1997-2008)

	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	246.7	275.1	268.8	227.3	218.0	220.8	234.3	201.2	189.1	177.4
White	66.4	70.1	76.3	77.4	70.1	73.6	67.9	64.8	58.4	62.9
Alaska	106.9	115.0	117.9	108.3	100.1	106.1	106.7	98.6	90.0	88.7

¹ Due to the low number of reportable events of Asian/PI and Black deaths, only the two predominant races in Alaska (Native and White) are reported.

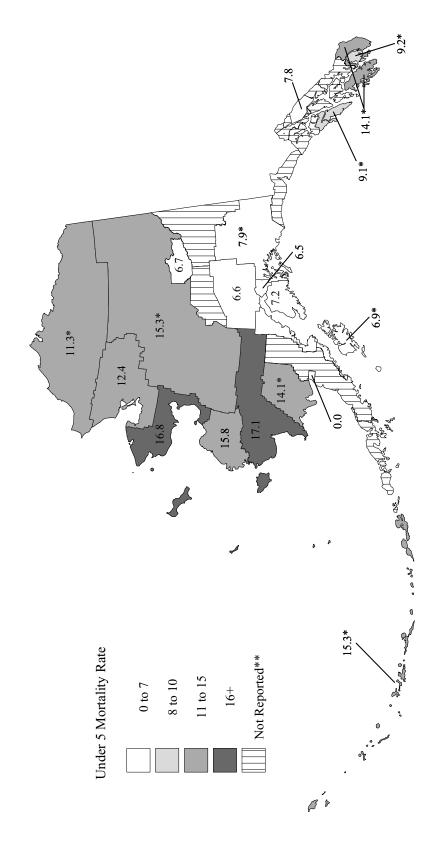




*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution. **Rates based on fewer than 6 occurrences are not reported. 2

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