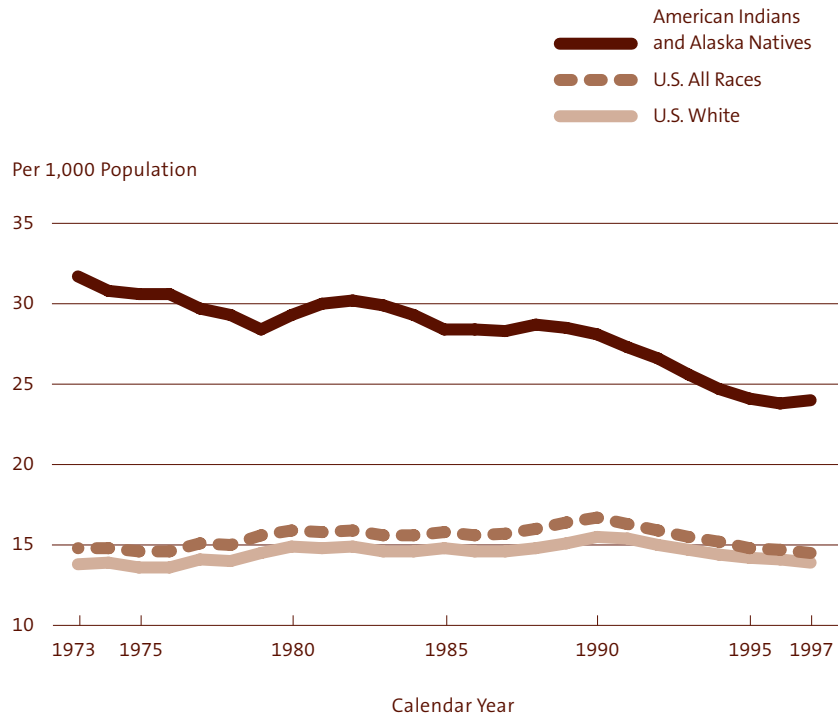


## Natality and Infant Mortality Statistics

**Chart 3.1**

**Birth Rates**

The birth rate for the IHS service population in 1996-1998 was 1.7 times the rate for the U.S. all-races population in 1997, (24.0 percent and 14.5 percent, respectively). The AI/AN birth rate is 73 percent greater than the rate for the U.S. white population of 13.9.



**Table 3.1** Number and Rate of Live Births

American Indians and Alaska Natives, IHS Service Area, and U.S. All-Races and White Populations, 1955-1997  
(Rate per 1,000 Population)

Calendar Year(s)	American Indian & Alaska Native		U.S. All Races		U.S. White
	Number	Rate	Number	Rate	Rate <sup>1</sup>
(1998)	35,680				
1996-1998 (1997)	33,923	24.0	3,880,894	14.5	13.9
1995-1997 (1996)	33,599	23.8	3,891,494	14.7	14.1
1994-1996 (1995)	32,548	24.1	3,899,589	14.8	14.2
1993-1995 (1994)	32,876	24.7	3,952,767	15.2	14.4
1992-1994 (1993)	33,429	25.6	4,000,240	15.5	14.7
1991-1993 (1992)	33,894	26.6	4,065,014	15.9	15.0
1990-1992 (1991)	34,083	27.3	4,110,907	16.3	15.4
1989-1991 (1990)	33,554	28.1	4,158,212	16.7	15.5
1988-1990 (1989)	34,143	28.5	4,040,958	16.4	15.1
1987-1989 (1988)	32,544	28.7	3,909,510	16.0	14.8
1986-1988 (1987)	31,133	28.3	3,809,394	15.7	14.6
1985-1987 (1986)	29,996	28.4	3,756,547	15.6	14.6
1984-1986 (1985)	30,194	28.4	3,760,561	15.8	14.8
1983-1985 (1984)	28,416	29.3	3,669,141	15.6	14.6
1982-1984 (1983)	29,352	29.9	3,638,933	15.6	14.6
1981-1983 (1982)	28,701	30.2	3,680,537	15.9	14.9
1980-1982 (1981)	25,595	30.0	3,629,238	15.8	14.8
1979-1981 (1980)	25,346	29.3	3,612,258	15.9	14.9
1978-1980 (1979)	23,252	28.4	3,494,398	15.6	14.5
1977-1979 (1978)	20,250	29.3	3,333,279	15.0	14.0
1976-1978 (1977)	19,458	29.7	3,326,632	15.1	14.1
1975-1977 (1976)	18,797	30.6	3,167,788	14.6	13.6
1974-1976 (1975)	17,852	30.6	3,144,198	14.6	13.6
1973-1975 (1974)	17,099	30.8	3,159,958	14.8	13.9
1972-1974 (1973)	16,662	31.7	3,136,965	14.8	13.8
(1972)	16,801		3,258,411		
1954-1956 (1955)	17,028	37.5	4,097,000	25.0	23.8

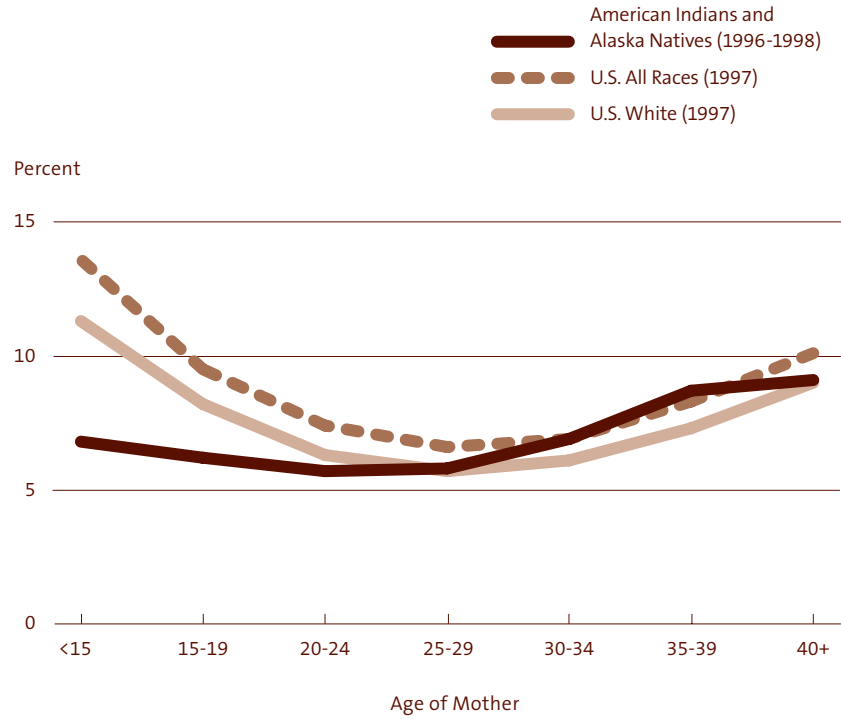
<sup>1</sup> Starting in 1991 birth data for the U.S. White population are shown for the race of the mother, rather than the race of the child (as shown for the years prior to 1991).

NOTE: Reservation State data for 1955, the year IHS was established, are presented above. Data from 1972 forward are drawn from specific counties in the IHS service area. Reservation State data and county data are not directly comparable. The AI/AN birth rate column presents data for the three-year period specified; the U.S. all-races and U.S. white columns present data for a one-year period. The number columns indicate total AI/AN and U.S. population births for a one-year period respectively.

**Chart 3.2**

**Low Birthweight (less than 2,500 grams) as a Percent of Total Live Births by Age of Mother**

For 1996-1998, 6.3 percent of all AI/AN births in the IHS service area were considered low birthweight (less than 2,500 grams). This was better than the figure for the U.S. all-races population (7.5 percent in 1997). For AI/AN mothers under the age of 15 the percent of low birthweight is 2.0 times less than U.S. all-races (6.8 and 13.6 respectively).



**Table 3.2** Low Birthweight (less than 2,500 grams) by Age of Mother

American Indians and Alaska Natives, IHS Service Area, 1996-1998, and U.S. All-Races and White Populations, 1997

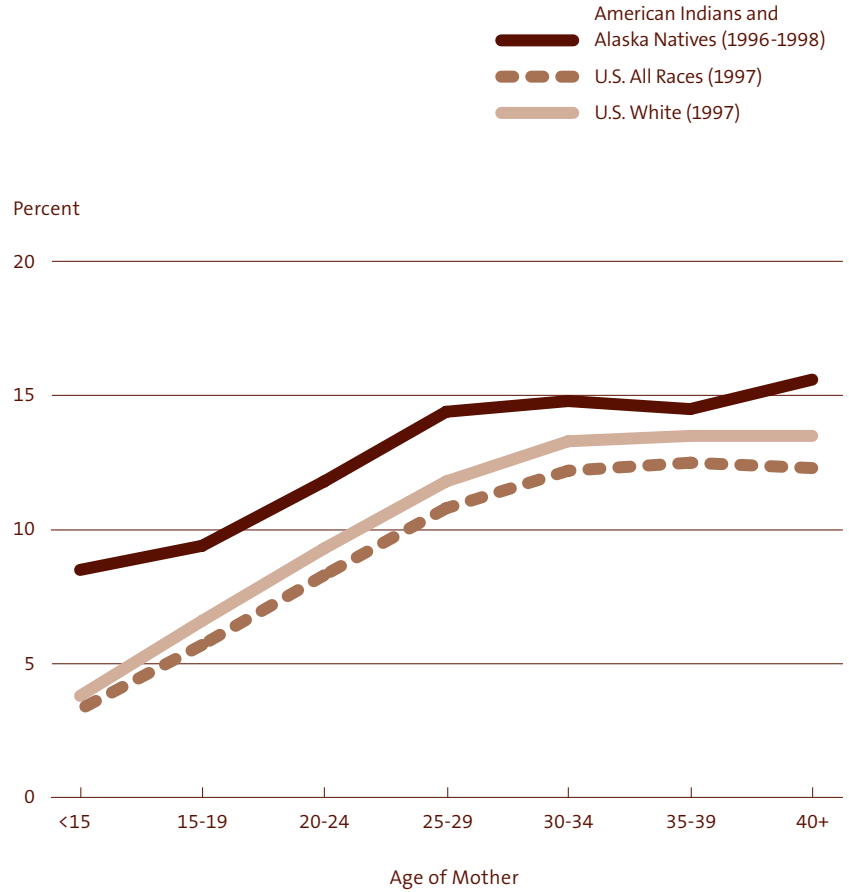
Age of Mother	Total Live Births	Number Low Birthweight	Percent Low Birthweight
American Indian and Alaska Native			
<b>All Ages</b>	<b>102,946<sup>1</sup></b>	<b>6,442</b>	<b>6.3</b>
Under 20 years	21,437	1,335	6.2
Under 15 years	484	33	6.8
15-19 years	20,953	1,302	6.2
20-24 years	33,559	1,904	5.7
25-29 years	24,312	1,411	5.8
30-34 years	15,131	1,048	6.9
35-39 years	7,018	608	8.7
40 years and over	1,489	136	9.1
U.S. All Races			
<b>All Ages</b>	<b>3,876,866<sup>2</sup></b>	<b>291,154</b>	<b>7.5</b>
Under 20 years	492,807	47,410	9.6
Under 15 years	10,115	1,374	13.6
15-19 years	482,692	46,036	9.5
20-24 years	941,065	69,983	7.4
25-29 years	1,068,386	70,633	6.6
30-34 years	885,936	61,142	6.9
35-39 years	409,217	33,998	8.3
40 years and over	79,455	7,988	10.1
U.S. White			
<b>All Ages</b>	<b>3,069,897<sup>3</sup></b>	<b>198,395</b>	<b>6.5</b>
Under 20 years	342,983	28,155	8.2
Under 15 years	5,018	567	11.3
15-19 years	337,965	27,588	8.2
20-24 years	719,912	45,608	6.3
25-29 years	870,894	49,747	5.7
30-34 years	734,951	44,506	6.1
35-39 years	337,062	24,596	7.3
40 years and over	64,095	5,783	9.0

<sup>1</sup> Excludes 256 AI/AN live births with birthweight not stated.<sup>2</sup> Excludes 4,028 U.S. all-races live births with birthweight not stated.<sup>3</sup> Excludes 2,743 U.S. white live births with birthweight not stated.

Chart 3.3

High Birthweight (4,000 grams or more) as a Percent of Total Live Births by Age of Mother

The AI/AN population experiences more birth of high birthweights than the U.S. all-races population. High birthweight may be a complication of diabetic pregnancies. In 1996-1998, 12.6 percent of all babies in the IHS service area were high birthweight (4,000 grams or more). In contrast, the U.S. all-races percentage was 2.5 percentage points lower (10.1 percent) in 1997. For AI/AN mothers under the age of 15 the percent of high birthweight is 2.6 times greater than U.S. all-races (8.5 and 3.3 respectively).



**Table 3.3** High Birthweight (4,000 grams or more) by Age of Mother

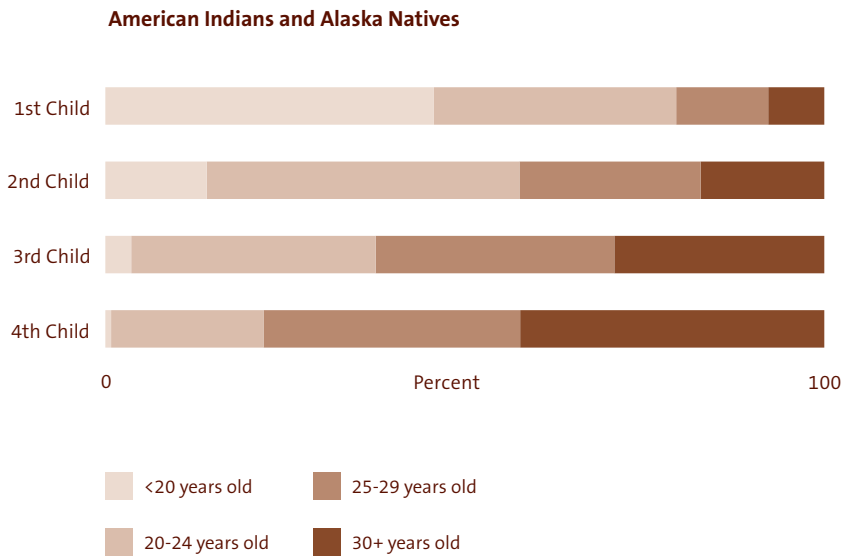
American Indians and Alaska Natives, IHS Service Area, 1996-1998, and U.S. All-Races and White Populations, 1997

Age of Mother	Total Live Births	Number High Birthweight	Percent High Birthweight
American Indian and Alaska Native			
<b>All Ages</b>	<b>102,946<sup>1</sup></b>	<b>12,953</b>	<b>12.6</b>
Under 20 years	21,437	2,010	9.4
Under 15 years	484	41	8.5
15-19 years	20,953	1,969	9.4
20-24 years	33,559	3,962	11.8
25-29 years	24,312	3,492	14.4
30-34 years	15,131	2,241	14.8
35-39 years	7,018	1,016	14.5
40 years and over	1,489	232	15.6
U.S. All Races			
<b>All Ages</b>	<b>3,876,866<sup>2</sup></b>	<b>390,771</b>	<b>10.1</b>
Under 20 years	492,807	27,666	5.6
Under 15 years	10,115	332	3.3
15-19 years	482,692	27,334	5.7
20-24 years	941,065	77,873	8.3
25-29 years	1,068,386	115,914	10.8
30-34 years	885,936	108,501	12.2
35-39 years	409,217	51,040	12.5
40 years and over	79,455	9,777	12.3
U.S. White			
<b>All Ages</b>	<b>3,069,897<sup>3</sup></b>	<b>344,098</b>	<b>11.2</b>
Under 20 years	342,983	22,612	6.6
Under 15 years	5,018	193	3.8
15-19 years	337,965	22,419	6.6
20-24 years	719,912	66,678	9.3
25-29 years	870,894	103,158	11.8
30-34 years	734,951	97,449	13.3
35-39 years	337,062	45,563	13.5
40 years and over	64,095	8,638	13.5

<sup>1</sup> Excludes 256 AI/AN live births with birthweight not stated.<sup>2</sup> Excludes 4,028 U.S. all-races live births with birthweight not stated.<sup>3</sup> Excludes 2,743 U.S. white live births with birthweight not stated.

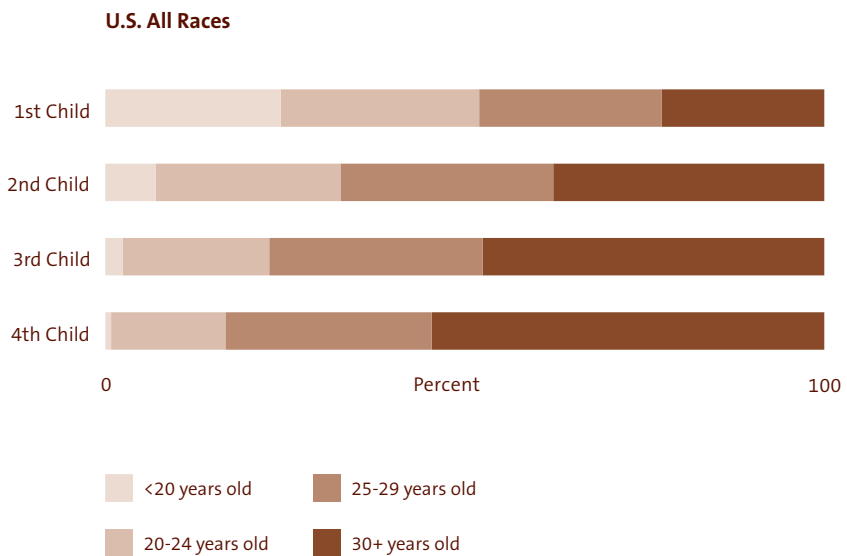
**Chart 3.4** Birth Order by Age of Mother, Percent Within Birth Order

During 1996-1998, 46 percent of AI/AN mothers were under the age of 20 when their first child was born while 21 percent were at least age 25.



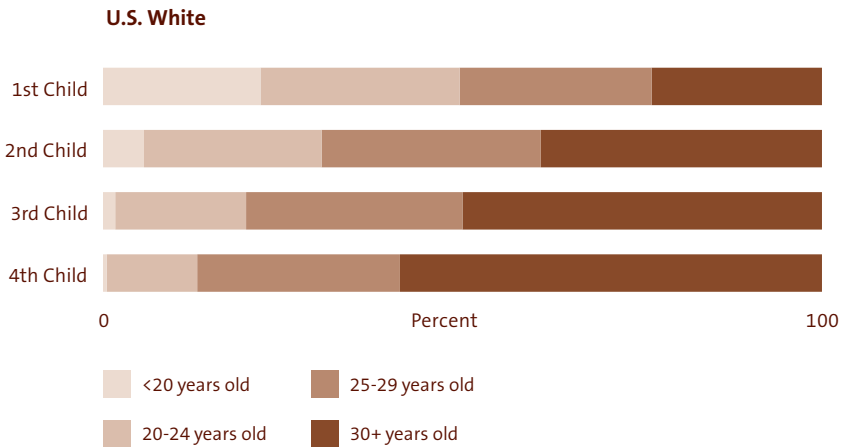
**Chart 3.5** Birth Order by Age of Mother, Percent Within Birth Order

For the U.S. all-races population, 24 percent of mothers were under age 20 when they had their first child while 48 percent were at least age 25.



**Chart 3.6 Birth Order by Age of Mother, Percent Within Birth Order**

For the U.S. white population, 22 percent of mothers were under age 20 when they had their first child while 50 percent were at least age 25.



**Table 3.4 Number and Percent Distribution of Live Births by Age of Mother within Birth Order**

American Indians and Alaska Natives, IHS Service Area, 1996-1998, and U.S. All-Races and White Populations, 1997

Age Group	Live Birth Order						
	Total Live Births	1st Child	2nd Child	3rd Child	4th Child	5th Child	6th+ Child
American Indian and Alaska Native, IHS Service Area							
<b>All Ages</b>	<b>102,254<sup>1</sup></b>	<b>36,122</b>	<b>28,125</b>	<b>17,917</b>	<b>9,821</b>	<b>5,086</b>	<b>5,183</b>
<b>All Ages</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Under 20 years	20.7	45.7	14.1	3.6	0.8	0.1	0.1
20-24 years	32.6	33.7	43.5	34.0	21.2	11.3	3.8
25-29 years	23.7	12.8	25.2	33.2	35.7	34.7	24.6
30-34 years	14.7	5.4	12.1	19.7	26.6	32.1	36.7
35-39 years	6.8	2.1	4.3	8.0	13.0	17.7	27.1
40-49 years	1.5	0.3	0.8	1.5	2.7	4.1	7.7
U.S. All Races							
<b>All Ages</b>	<b>3,860,286<sup>2</sup></b>	<b>1,573,768</b>	<b>1,254,354</b>	<b>628,579</b>	<b>241,418</b>	<b>89,479</b>	<b>72,688</b>
<b>All Ages</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Under 20 years	12.7	24.4	7.0	2.4	0.8	0.3	0.1
20-24 years	24.3	27.6	25.7	20.4	15.9	11.2	4.6
25-29 years	27.5	25.4	29.6	29.7	28.7	27.1	19.8
30-34 years	22.9	15.8	25.5	29.7	31.2	32.2	31.9
35-39 years	10.6	5.7	10.5	15.2	19.4	23.0	30.9
40-49 years	2.0	1.1	1.7	2.6	4.0	6.2	12.7
U.S. White							
<b>All Ages</b>	<b>3,056,920<sup>3</sup></b>	<b>1,252,047</b>	<b>1,012,916</b>	<b>498,451</b>	<b>182,633</b>	<b>63,291</b>	<b>47,582</b>
<b>All Ages</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Under 20 years	11.2	21.9	5.7	1.7	0.5	0.2	0.0
20-24 years	23.5	27.7	24.7	18.2	12.6	7.8	2.8
25-29 years	28.3	26.7	30.5	30.1	28.2	25.2	15.8
30-34 years	23.9	16.6	26.6	31.4	33.5	34.5	31.6
35-39 years	11.0	6.0	10.8	16.0	21.0	25.6	34.9
40-49 years	2.1	1.1	1.7	2.6	4.2	6.7	14.9

0.0 Quantity more than zero but less than 0.05. <sup>1</sup>Excludes 948 AI/AN births (0.3 percent) with birth order not reported.

<sup>2</sup> Excludes 20,608 U.S. all-races births (0.5 percent) with birth order not reported. <sup>3</sup>Excludes 15,720 U.S. white births (0.5 percent) with birth order not reported.

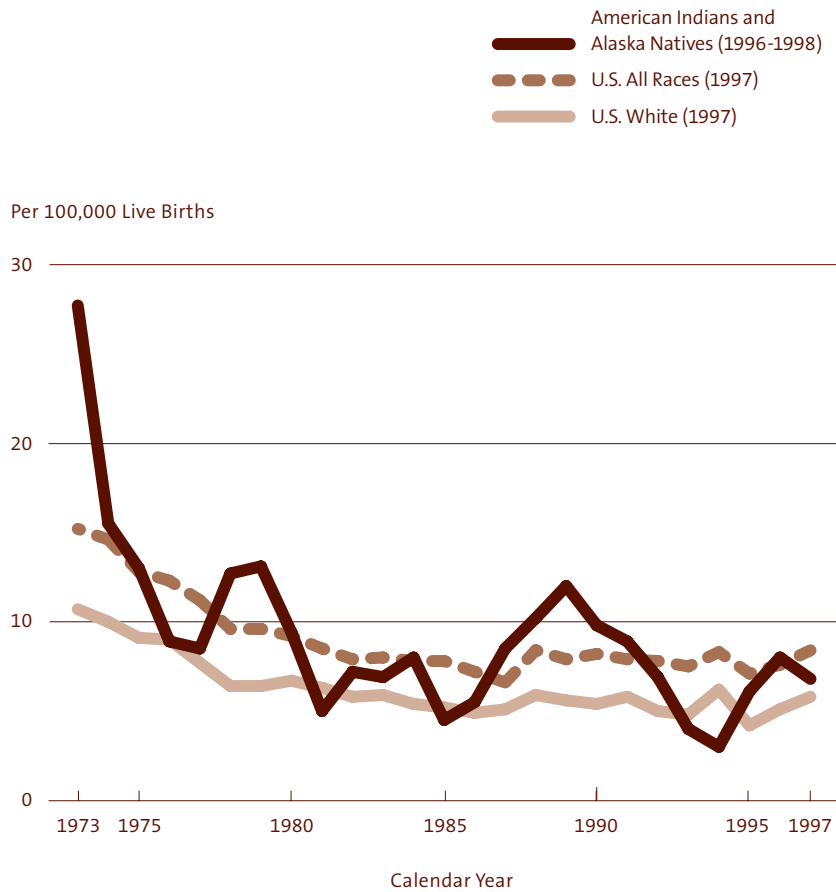
NOTE: Percents were adjusted to sum to 100.0 due to rounding.



Chart 3.7

Maternal Death Rates

The maternal mortality rate for AI/AN dropped from 27.7 (rate per 100,000 live births) in 1972-1974 to 6.8 in 1996-1998, a decrease of 75 percent. The AI/AN 1996-1998 rate (6.8) is 1.6 percentage points lower than the U.S. all-races rate of 8.4 for 1997. These AI/AN rates have been adjusted to compensate for misreporting of AI/AN race on state death certificates.



NOTE: AI/AN unadjusted and adjusted rates for race misreporting are the same

**Table 3.7** Maternal Deaths and Death Rates

American Indians and Alaska Natives, IHS Service Area, and U.S. All-Races and White Populations, 1958-1997  
(Rate per 100,000 Live Births)

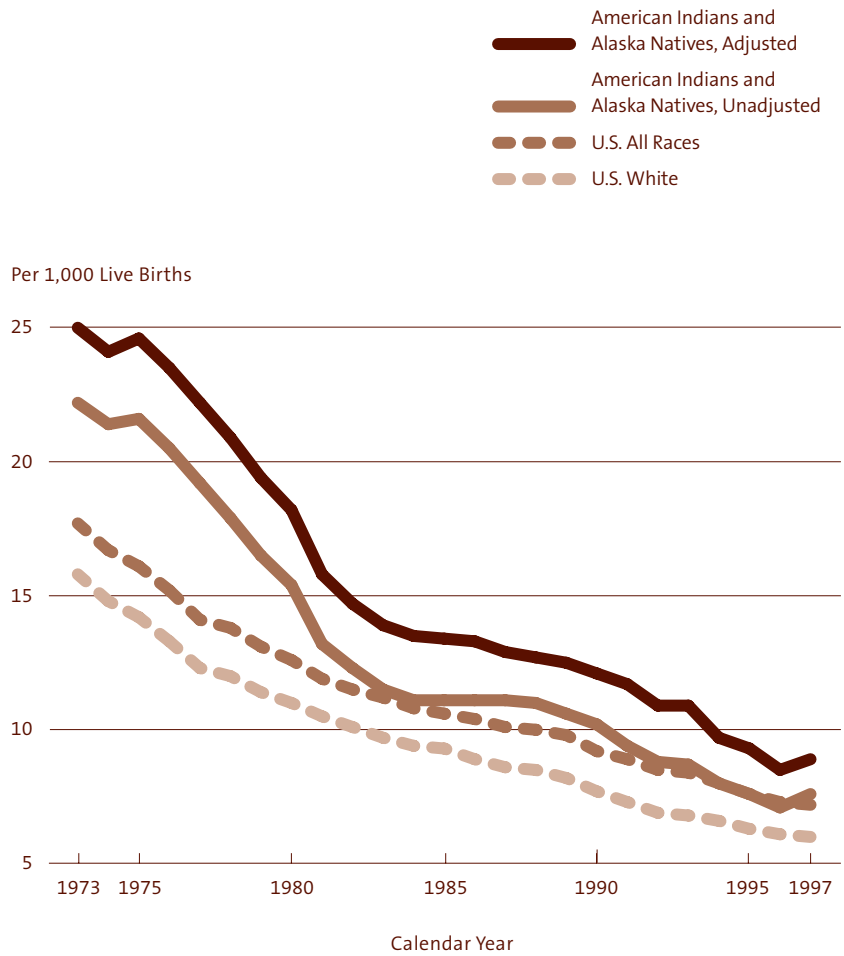
Calendar Year(s)	American Indian and Alaska Native				U.S. All Races	U.S. White	Ratio of American Indian and Alaska Native <sup>1</sup> to:	
	Number		Rate		Rate	Rate	U.S. All Races	U.S. White
	Unadjusted	Adjusted <sup>1</sup>	Unadjusted	Adjusted <sup>1</sup>				
(1998)	0	0						
1996-1998 (1997)	2	2	6.8	6.8	8.4	5.8	0.8	1.2
1995-1997 (1996)	5	5	8.0	8.0	7.6	5.1	1.1	1.6
1994-1996 (1995)	1	1	6.1	6.1	7.1	4.2	0.9	1.5
1993-1995 (1994)	0	0	3.0	3.0	8.3	6.2	0.4	0.5
1992-1994 (1993)	2	2	4.0	4.0	7.5	4.8	0.5	0.8
1991-1993 (1992)	2	2	6.9	6.9	7.8	5.0	0.9	1.4
1990-1992 (1991)	3	3	8.9	8.9	7.9	5.8	1.1	1.5
1989-1991 (1990)	4	4	9.8	9.8	8.2	5.4	1.2	1.8
1988-1990 (1989)	3	3	12.0	12.0	7.9	5.6	1.5	2.1
1987-1989 (1988)	5	5	10.2	10.2	8.4	5.9	1.2	1.7
1986-1988 (1987)	2	2	8.5	8.5	6.6	5.1	1.3	1.7
1985-1987 (1986)	1	1	5.5	5.5	7.2	4.9	0.8	1.1
1984-1986 (1985)	2	2	4.5	4.5	7.8	5.2	0.6	0.9
1983-1985 (1984)	1	1	8.0	8.0	7.8	5.4	1.0	1.5
1982-1984 (1983)	4	4	6.9	6.9	8.0	5.9	0.9	1.2
1981-1983 (1982)	1	1	7.2	7.2	7.9	5.8	0.9	1.2
1980-1982 (1981)	1	1	5.0	5.0	8.5	6.3	0.6	0.8
1979-1981 (1980)	2	2	9.4	9.4	9.2	6.7	1.0	1.4
1978-1980 (1979)	4	4	13.1	13.1	9.6	6.4	1.4	2.0
1977-1979 (1978)	3	3	12.7	12.7	9.6	6.4	1.3	2.0
1976-1978 (1977)	1	1	8.5	8.5	11.2	7.7	0.8	1.1
1975-1977 (1976)	1	1	8.9	8.9	12.3	9.0	0.7	1.0
1974-1976 (1975)	3	3	13.0	13.0	12.8	9.1	1.0	1.4
1973-1975 (1974)	3	3	15.5	15.5	14.6	10.0	1.1	1.6
1972-1974 (1973)	2	2	27.7	27.7	15.2	10.7	1.8	2.6
(1972)	9	9						
1957-1959 (1958)	16	16	82.6	82.6	37.6	26.3	2.2	3.1

<sup>1</sup> Adjusted — specifies a number, rate, or ratio of rates adjusted to compensate for misreporting of AI/AN race on state death certificates.

NOTE: Data are presented above for the year in which maternal death data were first collected (1958) and as close to the year in which IHS was established (1955) as is possible. For this year Reservation State data are shown. Data from 1972 forward are drawn from specific counties in the IHS service area. Reservation State data and county data are not directly comparable. The AI/AN maternal death rate columns present data for the three-year period specified; the U.S. all-races and U.S. white columns present data for a one-year period. The number columns indicate total AI/AN maternal deaths for a one-year period respectively. AI/AN unadjusted numbers of maternal deaths and numbers of maternal deaths adjusted for race misreporting are the same.

**Chart 3.8** Infant Mortality Rates

The infant mortality rate for AI/AN dropped from 25.0 (rate per 1,000 live births) in 1972-1974 to 8.9 in 1996-1998, a decrease of 64 percent. The 1996-1998 rate is 24 percent higher than the U.S. all-races rate of 7.2 for 1997. These AI/AN rates have been adjusted to compensate for misreporting of AI/AN race on state death certificates.



**Table 3.8** Infant Mortality Rates

American Indians and Alaska Natives, IHS Service Area, and U.S. All-Races and White Populations, 1955-1997  
(Rate per 1,000 Live Births)

Calendar Year(s)	American Indian and Alaska Native		U.S. All Races	U.S. White	Ratio of American Indian and Alaska Native <sup>1</sup> to:	
	Rate Unadjusted	Rate Adjusted <sup>1</sup>	Rate	Rate	U.S. All Races	U.S. White
1996-1998 (1997)	7.6	8.9	7.2	6.0	1.2	1.5
1995-1997 (1996)	7.1	8.5	7.3	6.1	1.2	1.4
1994-1996 (1995)	7.6	9.3	7.6	6.3	1.2	1.5
1993-1995 (1994)	8.0	9.7	8.0	6.6	1.2	1.5
1992-1994 (1993)	8.7	10.9	8.4	6.8	1.3	1.6
1991-1993 (1992)	8.8	10.9	8.5	6.9	1.3	1.6
1990-1992 (1991)	9.4	11.7	8.9	7.3	1.3	1.6
1989-1991 (1990)	10.2	12.1	9.2	7.7	1.3	1.6
1988-1990 (1989)	10.6	12.5	9.8	8.2	1.3	1.5
1987-1989 (1988)	11.0	12.7	10.0	8.5	1.3	1.5
1986-1988 (1987)	11.1	12.9	10.1	8.6	1.3	1.5
1985-1987 (1986)	11.1	13.3	10.4	8.9	1.3	1.5
1984-1986 (1985)	11.1	13.4	10.6	9.3	1.3	1.4
1983-1985 (1984)	11.1	13.5	10.8	9.4	1.3	1.4
1982-1984 (1983)	11.5	13.9	11.2	9.7	1.2	1.4
1981-1983 (1982)	12.3	14.7	11.5	10.1	1.3	1.5
1980-1982 (1981)	13.2	15.8	11.9	10.5	1.3	1.5
1979-1981 (1980)	15.4	18.2	12.6	11.0	1.4	1.7
1978-1980 (1979)	16.5	19.4	13.1	11.4	1.5	1.7
1977-1979 (1978)	17.9	20.9	13.8	12.0	1.5	1.7
1976-1978 (1977)	19.2	22.2	14.1	12.3	1.6	1.8
1975-1977 (1976)	20.5	23.5	15.2	13.3	1.5	1.8
1974-1976 (1975)	21.6	24.6	16.1	14.2	1.5	1.7
1973-1975 (1974)	21.4	24.1	16.7	14.8	1.4	1.6
1972-1974 (1973)	22.2	25.0	17.7	15.8	1.4	1.6
1954-1956 (1955)	62.7		26.4	23.6		

<sup>1</sup> Adjusted — specifies a number, rate, or ratio of rates adjusted to compensate for misreporting of AI/AN race on state death certificates.

NOTE: Reservation State data for 1955, the year IHS was established, are presented above. Data from 1972 forward are drawn from specific counties in the IHS service area. Reservation State data and county data are not directly comparable. AI/AN death rate columns present data for the three-year period specified. U.S. all-races and U.S. white columns present data for a one-year period.

**Chart 3.9**

**Infant Mortality Rates by Age**

The neonatal mortality rate for AI/AN in 1996-1998 (4.4 deaths per 1,000 live births) was 8 percent lower than the U.S. all-races rate (4.8) and 10 percent higher than the U.S. white rate (4.0) for 1997. AI/AN fare much worse in comparison during the postneonatal period. The postneonatal rate for AI/AN (4.4) was 1.8 and 2.2 times the U.S. all-races (2.5) and U.S. white (2.0) populations rates, respectively. These AI/AN rates have been adjusted to compensate for misreporting of AI/AN race on state death certificates.

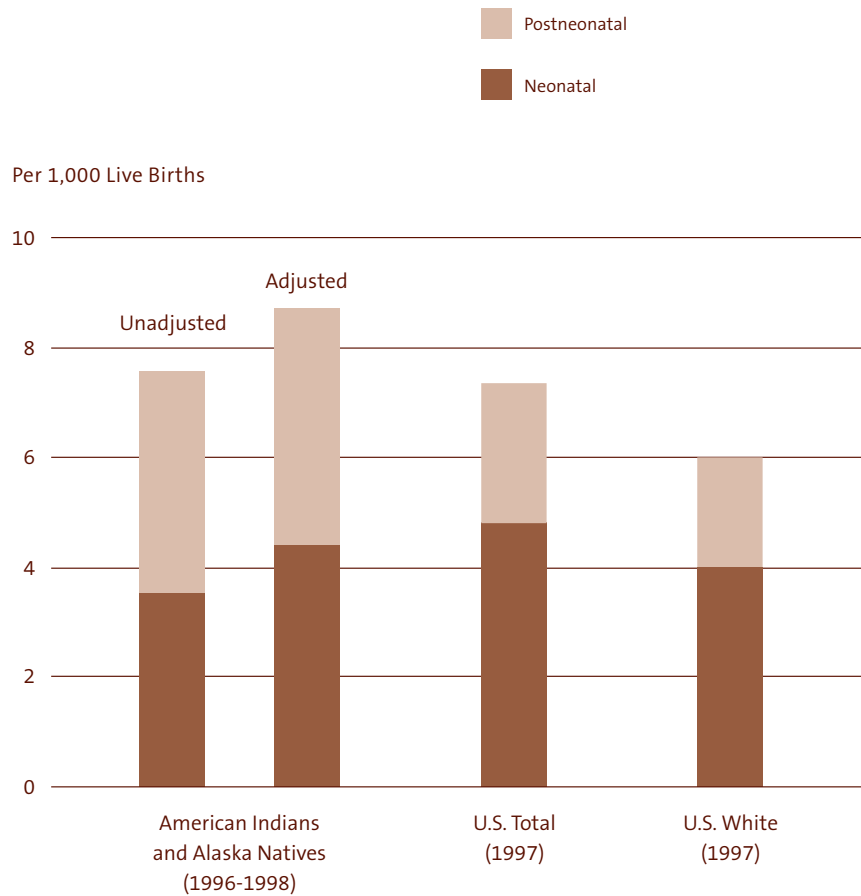


Table 3.9

## Infant Mortality Rates by Age

American Indians and Alaska Natives, IHS Service Area, and U.S. All-Races and White Populations, 1973-1997  
(Rate per 1,000 Live Births)

Calendar Years	American Indian and Alaska Native					
	Infant Mortality Rates		Neonatal Under 28 Days		Postneonatal 28 Days-11 Months	
	Unadjusted	Adjusted	Unadjusted	Adjusted	Unadjusted	Adjusted
1996-1998	7.6	8.9	3.6	4.4	3.9	4.4
1995-1997	7.1	8.5	3.4	4.0	3.7	4.4
1994-1996	7.6	9.3	3.6	4.5	4.0	4.8
1993-1995	8.0	9.7	3.8	4.6	4.2	5.1
1992-1994	8.7	10.9	4.1	5.2	4.6	5.8
1991-1993	8.8	10.9	4.0	4.9	4.9	6.0
1990-1992	9.4	11.7	4.3	5.3	5.1	6.4
1989-1991	10.2	12.1	4.7	5.4	5.5	6.7
1988-1990	10.6	12.5	4.8	5.6	5.8	7.0
1987-1989	11.0	12.7	5.1	5.5	5.9	7.1
1986-1988	11.1		5.2		5.9	
1985-1987	11.1		5.3		5.9	
1984-1986	11.1		5.0		6.0	
1983-1985	11.1		5.1		6.0	
1982-1984	11.5		5.1		6.4	
1981-1983	12.3		5.3		7.0	
1980-1982	13.2		5.9		7.3	
1979-1981	15.4		7.2		8.1	
1978-1980	16.5		8.2		8.4	
1977-1979	17.9		8.9		9.0	
1976-1978	19.2		9.3		9.9	
1975-1977	20.5		10.0		10.5	
1974-1976	21.6		10.4		11.2	
1973-1975	21.4		10.4		11.1	
1972-1974	22.2		10.2		12.0	

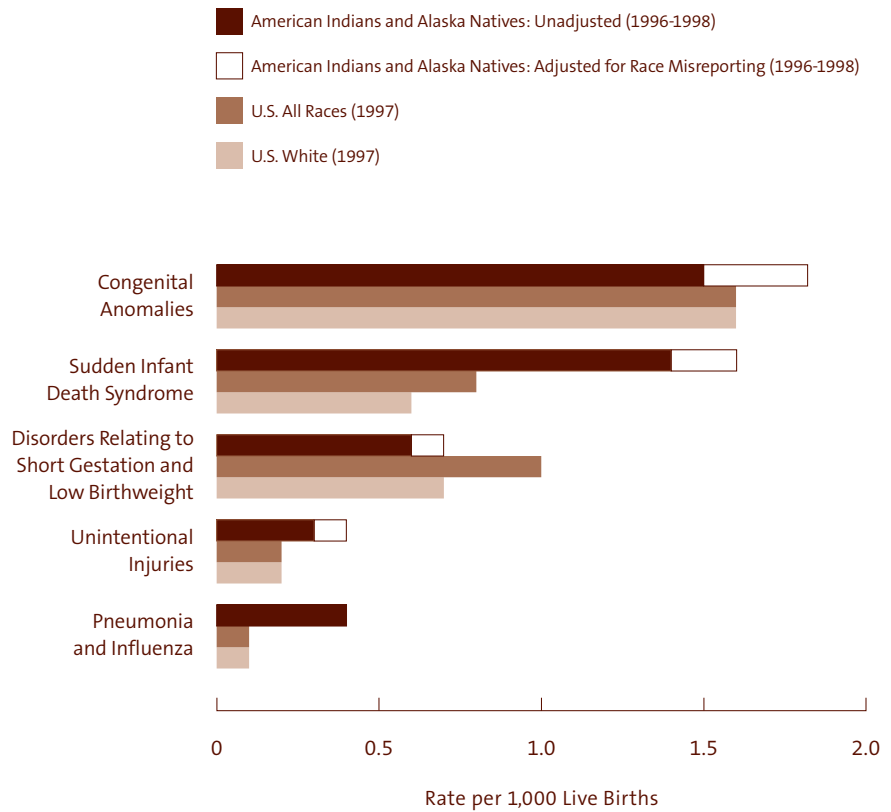
Calendar Year	U.S. All Races			U.S. White		
	Infant Mortality Rates	Neonatal	Postneonatal	Infant Mortality Rates	Neonatal	Postneonatal
		Under 28 Days	28 Days-11 Months		Under 28 Days	28 Days-11 Months
1997	7.2	4.8	2.5	6.0	4.0	2.0
1996	7.3	4.8	2.5	6.1	4.0	2.1
1995	7.6	4.9	2.7	6.3	4.1	2.2
1994	8.0	5.1	2.9	6.6	4.2	2.4
1993	8.4	5.3	3.1	6.8	4.3	2.5
1992	8.5	5.4	3.1	6.9	4.3	2.6
1991	8.9	5.6	3.4	7.3	4.5	2.8
1990	9.2	5.8	3.4	7.7	4.9	2.8
1989	9.8	6.2	3.6	8.2	5.2	3.0
1988	10.0	6.3	3.7	8.5	5.4	3.1
1987	10.1	6.5	3.6	8.6	5.5	3.1
1986	10.4	6.7	3.6	8.9	5.8	3.1
1985	10.6	7.0	3.7	9.3	6.1	3.2
1984	10.8	7.0	3.8	9.4	6.2	3.3
1983	11.2	7.3	3.9	9.7	6.4	3.3
1982	11.5	7.7	3.8	10.1	6.8	3.3
1981	11.9	8.0	3.9	10.5	7.1	3.4
1980	12.6	8.5	4.1	11.0	7.5	3.5
1979	13.1	8.9	4.2	11.4	7.9	3.5
1978	13.8	9.5	4.3	12.0	8.4	3.6
1977	14.1	9.9	4.2	12.3	8.7	3.6
1976	15.2	10.9	4.3	13.3	9.7	3.6
1975	16.1	11.6	4.5	14.2	10.4	3.8
1974	16.7	12.3	4.4	14.8	11.1	3.7
1973	17.7	13.0	4.7	15.8	11.8	4.0

<sup>1</sup> Adjusted - specifies a number, rate, or ratio of rates adjusted to compensate for misreporting of AI/AN race on state death certificates.

NOTE: Data from 1972 forward, shown above, are drawn from specific counties in the IHS service area for infant mortality by age.

**Chart 3.10** Leading Causes of Infant Deaths (Births to Under 1 Year)

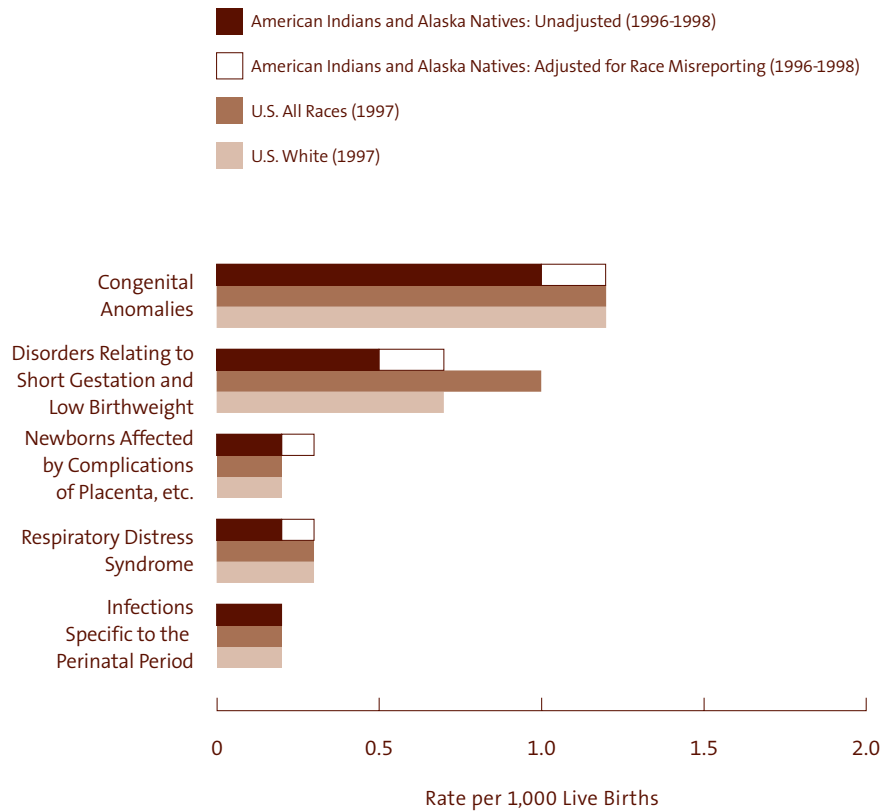
The two leading causes of AI/AN infant deaths (1996-1998) were congenital anomalies and sudden infant death syndrome (SIDS). For the U.S. all-races population (1997), they were congenital anomalies and disorders related to short gestation and low birthweight and for the U.S. white population (1997) they were congenital anomalies and disorders related to short gestation and low birthweight. AI/AN unadjusted and adjusted rates for pneumonia and influenza are the same.



NOTE: AI/AN unadjusted and adjusted rates for Pneumonia and Influenza cause of death are the same.

**Chart 3.11** Leading Causes of Neonatal Deaths (Under 28 Days)

The two leading causes of AI/AN neonatal deaths (1996-1998) and the U.S. all-races and white populations in 1997 were congenital anomalies and disorders related to short gestation and low birth-weight. The AI/AN unadjusted and adjusted rates for infections specific to the perinatal period cause of death are the same.



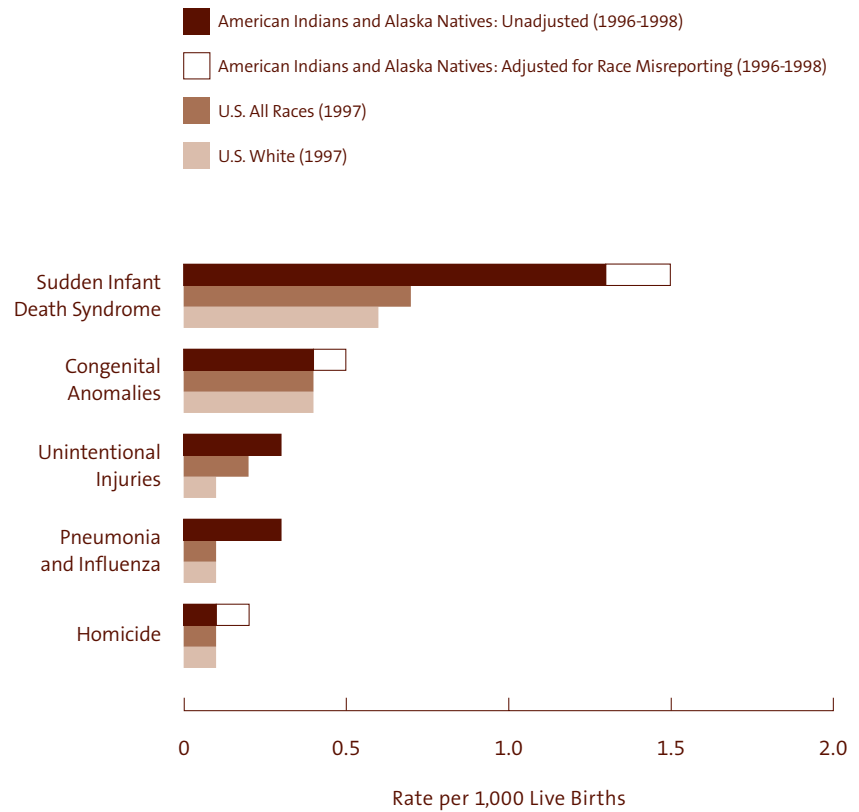
NOTE: AI/AN unadjusted and adjusted rates for Infections Specific to the Perinatal Period cause of death are the same



Chart 3.12

Leading Causes of Postneonatal Deaths (28 Days to Under 1 Year)

The two leading causes of AI/AN postneotatal deaths (1996-1998) and the U.S. all-races and white populations in 1997 were sudden infant death syndrome (SIDS) and congenital anomalies. AI/AN unadjusted and adjusted rates for unintentional injuries and pneumonia and influenza causes of deaths are the same.



NOTE: AI/AN unadjusted and adjusted rates for Unintentional Injuries and Pneumonia and Influenza causes of death are the same.

Table 3.10

## Leading Causes of Infant Deaths by Age

American Indians and Alaska Natives, IHS Service Area, 1996-1998, and U.S. All-Races and White Populations, 1997

(Rate per 1,000 Live Births)

Cause of Death	American Indian and Alaska Native				U.S. All Races	U.S. White	Ratio of American Indian and Alaska Native <sup>1</sup> to:	
	Number		Rate		Rate	Rate	U.S. All Races	U.S. White
	Unadjusted	Adjusted <sup>1</sup>	Unadjusted	Adjusted <sup>1</sup>				
<b>Total Infant Deaths</b>								
<b>All Causes</b>	<b>780</b>	<b>916</b>	<b>7.6</b>	<b>8.9</b>	<b>7.2</b>	<b>6.0</b>	<b>1.2</b>	<b>1.5</b>
Congenital anomalies	150	181	1.5	1.8	1.6	1.6	1.1	1.1
Sudden infant death syndrome	148	166	1.4	1.6	0.8	0.6	2.0	2.7
Disorders relating to short gestation and low birthweight	57	73	0.6	0.7	1.0	0.7	0.7	1.0
Unintentional injuries	34	39	0.3	0.4	0.2	0.2	2.0	2.0
Pneumonia and influenza	37	38	0.4	0.4	0.1	0.1	4.0	4.0
Respiratory distress syndrome	26	31	0.3	0.3	0.3	0.3	1.0	1.0
Newborns affected by complications of placenta, cord, and membranes	25	27	0.2	0.3	0.2	0.2	1.5	1.5
Infections specific to the perinatal period	16	22	0.2	0.2	0.2	0.2	1.0	1.0
Newborns affected by maternal complications of pregnancy	17	20	0.2	0.2	0.3	0.3	0.7	0.7
Homicide	15	20	0.1	0.2	0.1	0.1	2.0	2.0
All other causes	255	299						
<b>Neonatal Deaths</b>								
<b>All Causes</b>	<b>376</b>	<b>458</b>	<b>3.6</b>	<b>4.4</b>	<b>4.8</b>	<b>4.0</b>	<b>0.9</b>	<b>1.1</b>
Congenital anomalies	106	127	1.0	1.2	1.2	1.2	1.0	1.0
Disorders relating to short gestation and low birthweight	56	72	0.5	0.7	1.0	0.7	0.7	1.0
Newborns affected by complications of placenta, cord, and membranes	25	27	0.2	0.3	0.2	0.2	1.5	1.5
Respiratory distress syndrome	22	27	0.2	0.3	0.3	0.3	1.0	1.0
Infections specific to the perinatal period	16	22	0.2	0.2	0.2	0.2	1.0	1.0
Newborns affected by maternal complications of pregnancy	17	20	0.2	0.2	0.3	0.3	0.7	0.7
Intrauterine hypoxia and birth asphyxia	8	15	0.1	0.1	0.1	0.1	1.0	1.0
Sudden infant death syndrome	13	15	0.1	0.1	0.0	0.0	*	*
Neonatal hemorrhage	8	8	0.1	0.1	0.1	0.1	1.0	1.0
Newborns affected by maternal conditions which may be unrelated to present pregnancy	4	5	0.0	0.0	0.0	0.0	*	*
All other causes	101	120						
<b>Postneonatal Deaths</b>								
<b>All Causes</b>	<b>404</b>	<b>458</b>	<b>3.9</b>	<b>4.4</b>	<b>2.5</b>	<b>2.0</b>	<b>1.8</b>	<b>2.2</b>
Sudden infant death syndrome	135	151	1.3	1.5	0.7	0.6	2.1	2.5
Congenital anomalies	44	54	0.4	0.5	0.4	0.4	1.3	1.3
Unintentional injuries	33	36	0.3	0.3	0.2	0.1	1.5	3.0
Pneumonia and influenza	33	34	0.3	0.3	0.1	0.1	3.0	3.0
Homicide	15	20	0.1	0.2	0.1	0.1	2.0	2.0
Bronchitis and bronchiolitis	10	11	0.1	0.1	0.0	0.0	*	*
Meningitis	9	9	0.1	0.1	0.0	0.0	*	*
Septicemia	8	7	0.1	0.1	0.1	0.0	1.0	*
Respiratory distress syndrome	4	4	0.0	0.0	0.0	0.0	*	*
Gastritis, duodenitis, etc.	4	4	0.0	0.0	0.0	0.0	*	*
All other causes	109	128						

\* Figure does not meet standards of reliability or precision.

0.0 Quantity more than zero but less than 0.05.

<sup>1</sup> Adjusted — specifies a number, rate, or ratio of rates adjusted to compensate for misreporting of AI/AN race on state death certificates.

NOTE: Causes of death listed are based on the order of adjusted number of deaths.