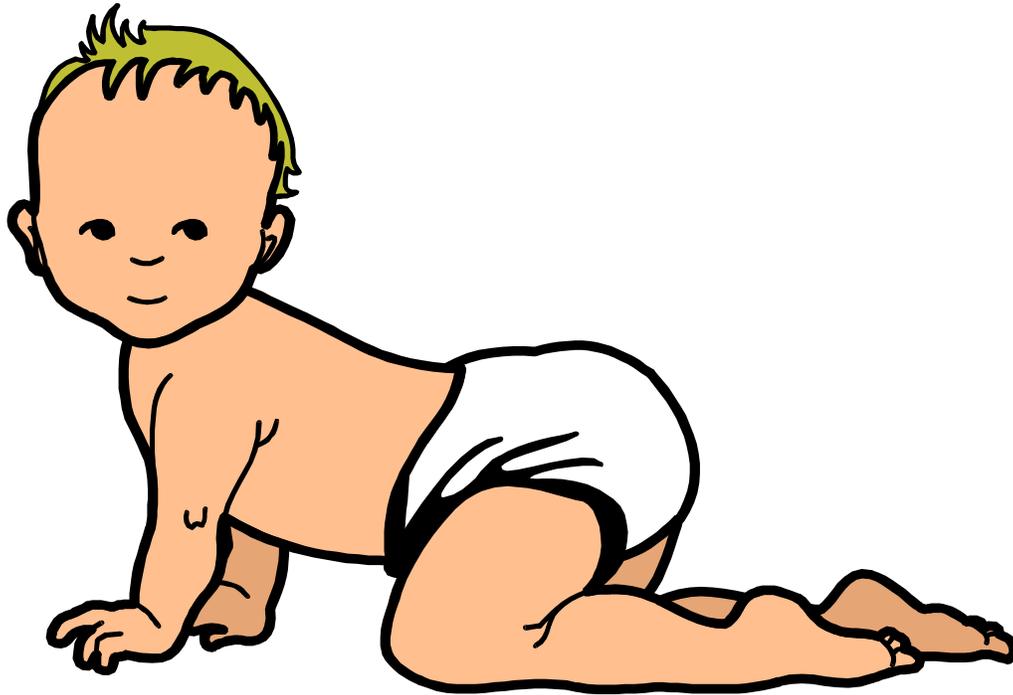


BIRTH

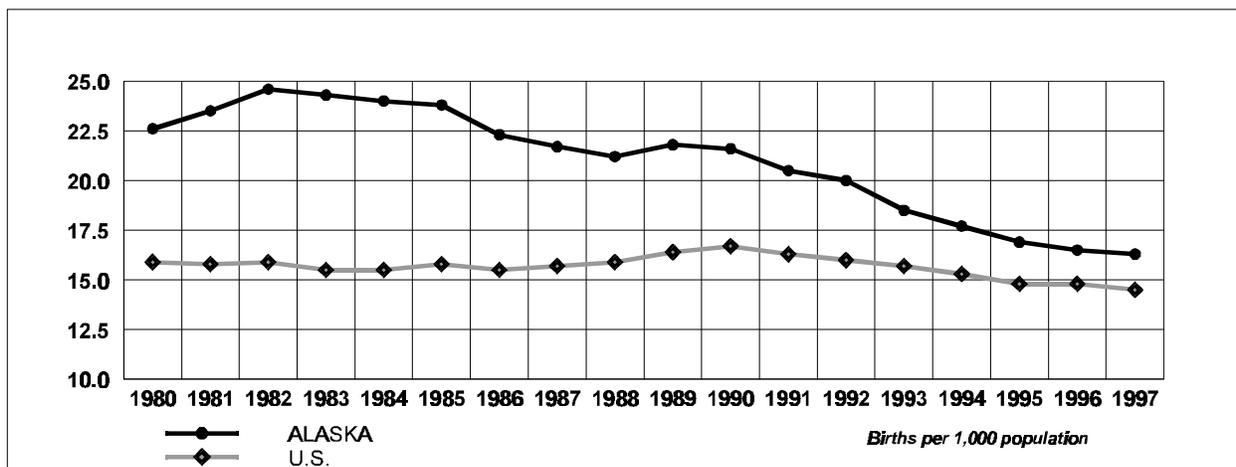


INTRODUCTION

There were 9,956 Alaska resident live births in 1997 (5,077 boys and 4,879 girls). This is a decrease of 0.8 percent from the 10,041 births recorded in 1996.¹ The 1997 crude birth rate of 16.3 per 1,000 population (see Table 1.1A on page 12) represents a 1.2 percent decrease from the 1996 crude birth rate of 16.5 per 1,000 population, and an 18.5 percent decrease from the 1992 crude birth rate of 20.0 per 1,000 population.² The 1997 crude birth rate for the United States was 14.6 live births per 1,000 population.³ The U.S. rate has declined from 16.7 in 1990⁴ to the current low of 14.6 per 1,000 population, and the Alaska rate has declined from 21.6 in 1990⁵ to 16.3 per 1,000 population in 1997.

- 1 Crondahl, J., Mitchell, P., and Walden, S. Department of Health and Social Services, Division of Public Health, *Alaska Bureau of Vital Statistics 1996 Annual Report*, Juneau, Alaska. June 1998, p. 9.
- 2 Zenk, A.E., Skagerberg, V.R., Withington, R.P., and Walden, S.L. Department of Health and Social Services, Division of Public Health, *Alaska Bureau of Vital Statistics 1992 Annual Report*, Juneau, Alaska. January 1996, p. 9. Rates have been recalculated according to population estimates shown in Appendix I.
- 3 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, p. 2.
- 4 National Center for Health Statistics, U.S. Department of Health and Human Services, "Report of Final Natality Statistics, 1996," *Monthly Vital Statistics Report*, Vol. 46, No. 11(S), June 30, 1998, Table 6, p. 35.
- 5 Zenk, A.E., and Withington, R.P. Department of Health and Social Services, Division of Public Health, *Alaska Bureau of Vital Statistics 1990 Annual Report*, Juneau, Alaska, April 1993, p.16.

CHART 1.1 CRUDE BIRTH RATES, UNITED STATES AND ALASKA, 1980-1997



There were 127 multiple births with 124 sets of twins and 3 sets of triplets in 1997.

The most popular boy’s name in 1997 was Jacob and the most popular girl’s name was Hannah. The table below shows the ten most popular boys’ and girls’ names for the years 1987, 1992, and 1997.

| RANK | BOYS' NAMES | | | GIRLS' NAMES | | |
|------|-------------|-------------|-------------|--------------|-----------|----------|
| | 1987 | 1992 | 1997 | 1987 | 1992 | 1997 |
| 01 | Christopher | Michael | Jacob | Jessica | Jessica | Hannah |
| 02 | Michael | Christopher | James | Ashley | Ashley | Emily |
| 03 | Matthew | Tyler | Michael | Amanda | Amanda | Sarah |
| 04 | Joshua | Matthew | Joshua | Sarah | Sarah | Ashley |
| 05 | Ryan | Joshua | John | Jennifer | Samantha | Megan |
| 06 | Robert | Daniel | Joseph | Heather | Emily | Samantha |
| 07 | David | Jacob | Brandon | Megan | Elizabeth | Taylor |
| 08 | James | James | Tyler | Elizabeth | Brittany | Jessica |
| 09 | Justin | Andrew | Christopher | Samantha | Stephanie | Madison |
| 10 | Daniel | Robert | Zachary | Brittany | Chelsea | Alyssa |

The incidence of low birth weight babies (under 2500 grams or 5 pounds 8 ounces and under) born in the five-year period from 1993 through 1997 was 5.4 percent of total live births, up from 5.3 percent from 1992 through 1996. The incidence of low birth weight has steadily increased from 4.8 percent of live births in 1987-1991 to the current level of 5.4 percent in 1993-1997.

During 1997, 19.3 percent of mothers reported using tobacco at some time during their pregnancies, and 3.8 percent reported using alcohol. The trend is toward use of tobacco and alcohol by fewer mothers. In 1996, 20.5 percent of all mothers reported using tobacco and 4.4 reported using alcohol. In the five years from 1993-1997, mothers under the legal age of smoking (19 years) were almost 1.9 times more likely to use tobacco than mothers of legal smoking age (31.5 percent of mothers under 19 compared with 19.6 percent of mothers ages 19 and over). Mothers under the legal drinking age of 21 were only slightly less likely to use alcohol during pregnancy than mothers age 21 and over (5.0 percent under 21 compared to 5.5 percent ages 21 and over).

The natural increase in population (the increase of births over deaths) was 7,374 persons, representing a natural increase rate of 12.1 persons per 1,000 population. This is a 0.8 percent decrease from the 12.2 persons per 1,000 population natural increase rate in 1996.

July had the most births with 947 or 9.5 percent of the total; November had the fewest births with 702, 7.1 percent of the total.

BIRTHS BY RESIDENCE AND OCCURRENCE

In order to calculate birth rates, fertility rates, or any of the other rates used in this report, estimates of the population must be made. Population estimates are provided by the Department of Labor, Research and Analysis Section, Demographics Unit. Please refer to Appendix I for population estimates used in this report.

Fertility rate is a more meaningful measure than crude birth rate since it is a measure of the number of births compared to the number of women of normal child-bearing age (15-44 years). Table 1.1A shows the total births, crude birth rates, and fertility rates by census area. The 1997 fertility rate for Alaska was 71.4 births per 1,000 women of child-bearing age. This is slightly less than the 1996 fertility rate of 71.5; and is 9.8 percent above the 1997 United States' fertility rate of 65.0.⁶ The Alaska fertility rate peaked in 1982 at 91.9 births per 1,000 women ages 15-44. For a more detailed explanation of birth rates and fertility rates, see "Comparing Different Populations" in the Introduction.

Table 1.1A provides the number of births occurring, resident births, population, birth rate, female population of child-bearing age, and fertility rate by census area in Alaska. Please note that "births occurring" indicates the census area where the child was born and includes out of state occurrences for Alaskan residents, as well as births occurring in Alaska to non-resident mothers. The "resident" column indicates the number of births to resident mothers of each census area regardless of where the birth took place. Birth and fertility rates are based on numbers of resident births and estimated population by census area.

6 Ibid.

TABLE 1.1A BIRTH OCCURRENCES, RESIDENT BIRTHS, ESTIMATED POPULATIONS, CRUDE BIRTH RATES, FEMALE POPULATION AGES 15-44, AND FERTILITY RATES BY CENSUS AREA, ALASKA, 1997

| CENSUS AREA | BIRTHS | | POP | BIRTH RATE | FEMALES 15-44 | FERTILITY RATE |
|---------------------------------|-----------|----------|---------|------------|---------------|----------------|
| | OCCURRING | RESIDENT | | | | |
| ALEUTIANS EAST | | 29 | 2,238 | 13.0 | 457 | 63.5 |
| ALEUTIANS WEST | 1 | 47 | 5,366 | 8.8 | 1,072 | 43.8 |
| ANCHORAGE BOROUGH | 5,148 | 4,164 | 254,849 | 16.3 | 60,423 | 68.9 |
| ANGOON-HOONAH-SKAGWAY | 1 | 39 | 3,753 | 10.4 | 778 | 50.1 |
| BETHEL | 416 | 419 | 15,597 | 26.9 | 3,218 | 130.2 |
| BRISTOL BAY BOROUGH | | 23 | 1,270 | 18.1 | 280 | 82.1 |
| DENALI BOROUGH | 1 | 25 | 1,899 | 13.2 | 420 | 59.5 |
| DILLINGHAM | 72 | 101 | 4,521 | 22.3 | 948 | 106.5 |
| FAIRBANKS NORTH STAR BOROUGH | 1,628 | 1,424 | 82,278 | 17.3 | 19,551 | 72.8 |
| HAINES BOROUGH | 1 | 25 | 2,421 | 10.3 | 503 | 49.7 |
| JUNEAU BOROUGH | 400 | 403 | 29,813 | 13.5 | 6,880 | 58.6 |
| KENAI PENINSULA BOROUGH | 579 | 651 | 48,098 | 13.5 | 10,511 | 61.9 |
| KETCHIKAN GATEWAY BOROUGH | 286 | 195 | 14,599 | 13.4 | 3,168 | 61.6 |
| KODIAK ISLAND BOROUGH | 247 | 264 | 13,547 | 19.5 | 2,976 | 88.7 |
| LAKE AND PENINSULA | | 37 | 1,780 | 20.8 | 360 | 102.8 |
| MATANUSKA-SUSITNA BOROUGH | 478 | 695 | 52,448 | 13.3 | 12,005 | 57.9 |
| NOME | 123 | 199 | 9,178 | 21.7 | 1,821 | 109.3 |
| NORTH SLOPE BOROUGH | 69 | 151 | 7,263 | 20.8 | 1,538 | 98.2 |
| NORTHWEST ARCTIC BOROUGH | 114 | 176 | 6,701 | 26.3 | 1,326 | 132.7 |
| PRINCE OF WALES-OUTER KETCHIKAN | 3 | 93 | 6,876 | 13.5 | 1,428 | 65.1 |
| SITKA BOROUGH | 149 | 110 | 8,733 | 12.6 | 1,898 | 58.0 |
| SOUTHEAST FAIRBANKS | 19 | 105 | 6,354 | 16.5 | 1,348 | 77.9 |
| VALDEZ-CORDOVA | 51 | 130 | 10,431 | 12.5 | 2,273 | 57.2 |
| WADE HAMPTON | 13 | 226 | 6,910 | 32.7 | 1,320 | 171.2 |
| WRANGELL-PETERSBURG | 40 | 99 | 7,189 | 13.8 | 1,511 | 65.5 |
| YAKUTAT | | 7 | 833 | 8.4 | 157 | 44.6 |
| YUKON-KOYUKUK | 3 | 119 | 6,355 | 18.7 | 1,199 | 99.2 |
| OUT OF STATE | 129 | | | | | |
| TOTAL | 9,971 | 9,956 | 611,300 | 16.3 | 139,369 | 71.4 |

Table 1.1B shows birth occurrences and resident births by Native Regional Corporation areas. For a map showing Native Regional Corporation boundaries, see page 167.

MAP 1.1 CRUDE BIRTH RATE BY CENSUS AREA OF THE MOTHER'S RESIDENCE, ALASKA, 1997

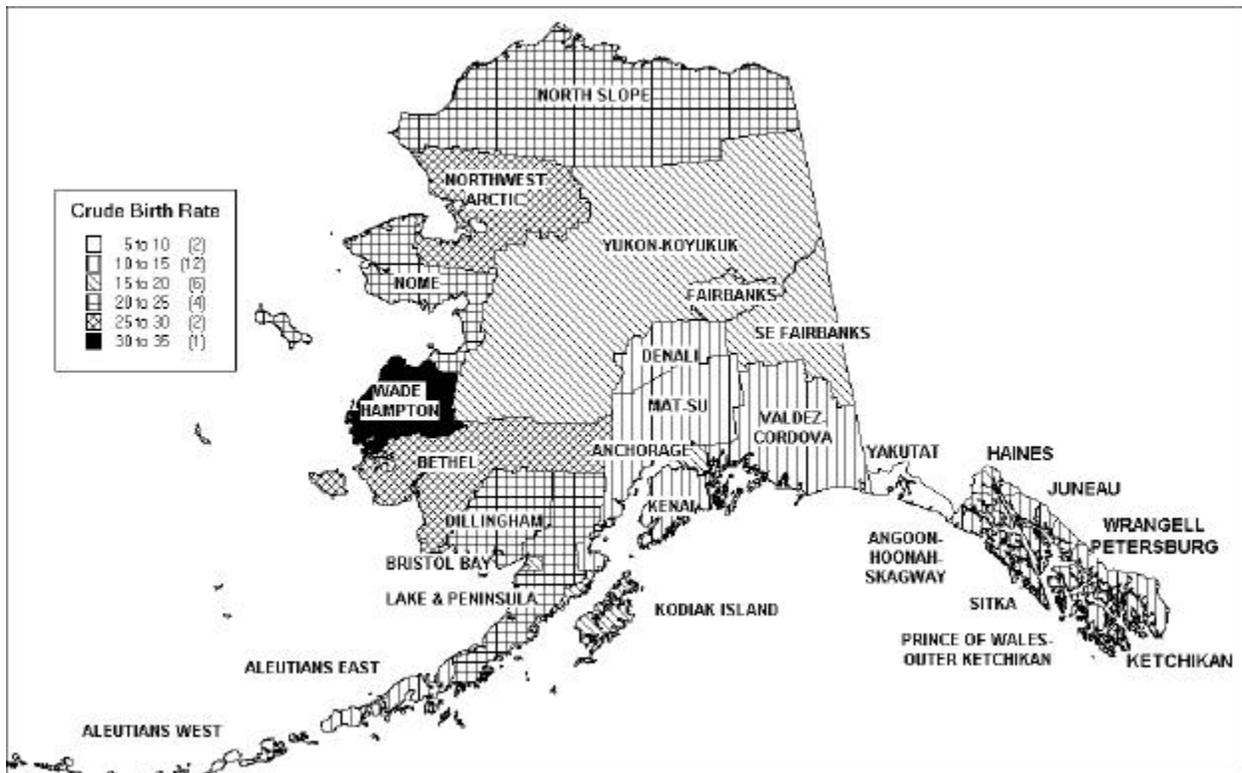


TABLE 1.1B BIRTH OCCURRENCES AND RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION AREA, ALASKA, 1997

| NATIVE REGIONAL CORPORATION | BIRTHS | |
|-----------------------------|-----------|----------|
| | OCCURRING | RESIDENT |
| AHTNA INC | 6 | 37 |
| ALEUT CORP. | 1 | 76 |
| ARCTIC SLOPE CORP. | 69 | 151 |
| BERING STRAITS CORP | 123 | 199 |
| BRISTOL BAY CORP. | 72 | 155 |
| CALISTA CORP. | 429 | 645 |
| CHUGACH NATIVES INC | 45 | 147 |
| COOK INLET REG CORP | 6,205 | 5,462 |
| DOYON LTD | 1,651 | 1,673 |
| KONIAG INC. | 247 | 264 |
| NANA REGIONAL CORP. | 114 | 176 |
| SEALASKA CORP. | 880 | 971 |
| OUT OF STATE | 129 | |
| TOTAL | 9,971 | 9,956 |

CHART 1.2A FERTILITY RATES WITH 95% CONFIDENCE INTERVALS BY CENSUS AREA, ALASKA, 1997

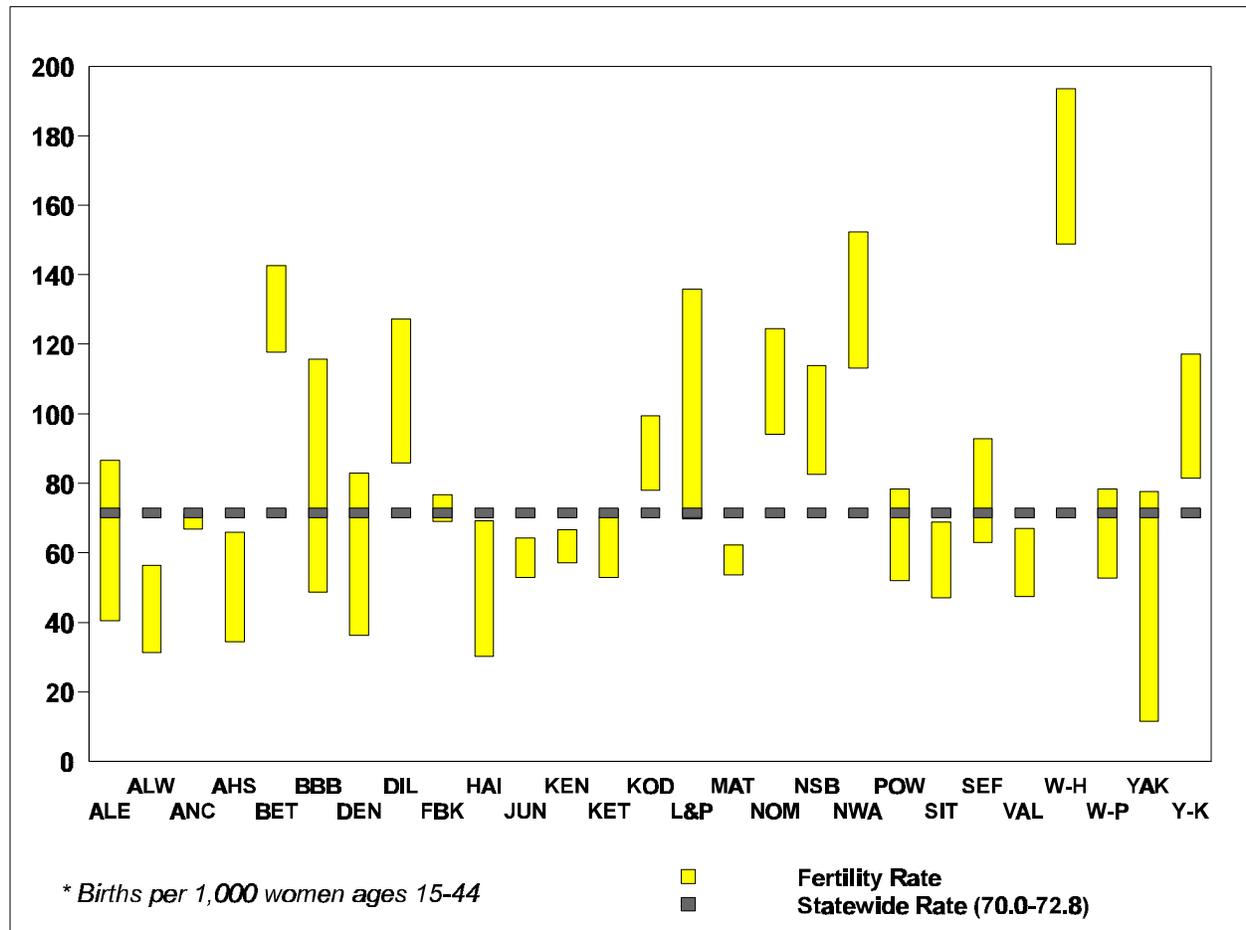
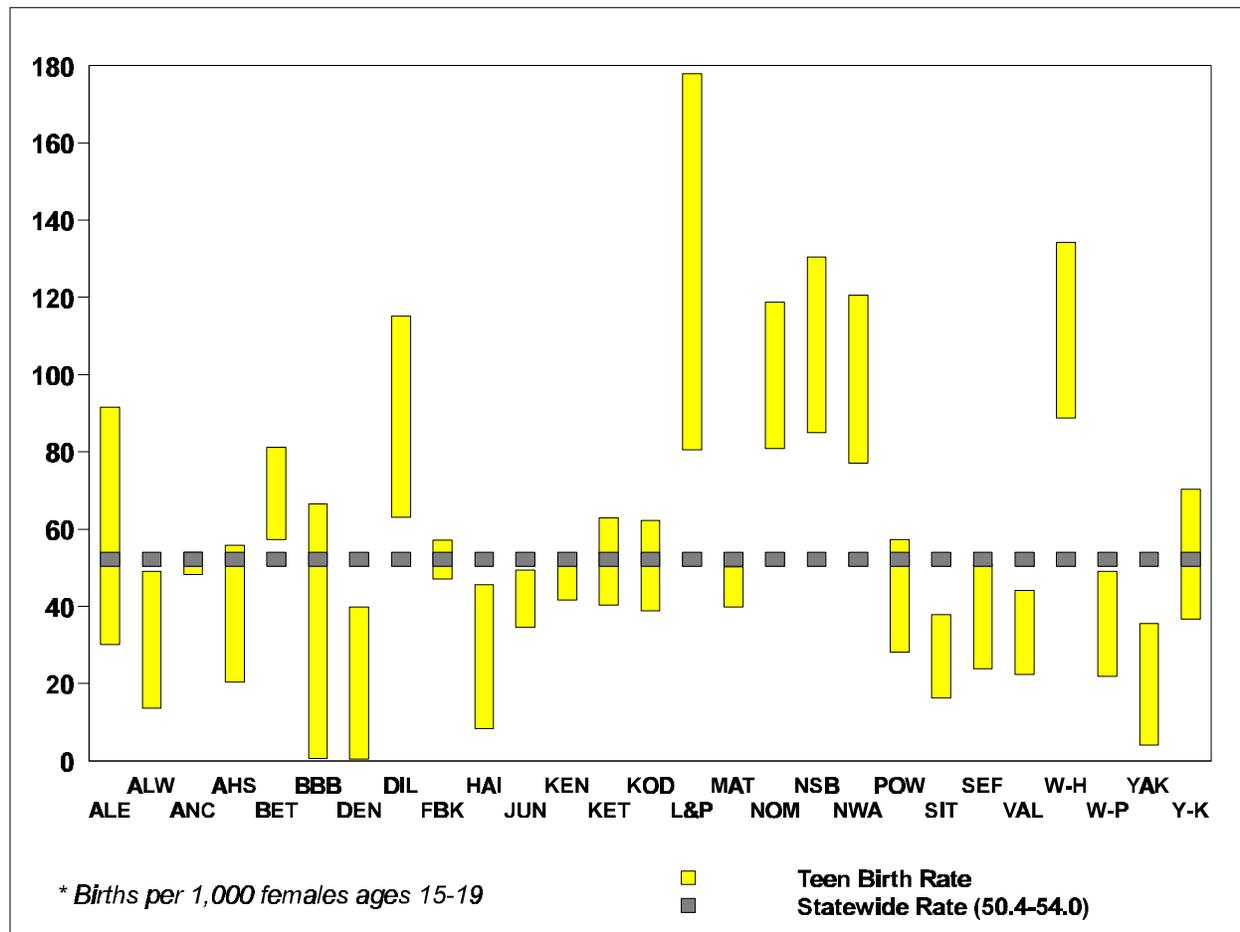


Chart 1.2A provides the 95% confidence interval ranges for fertility rates by census area. Census areas in this chart are in the same order as they are listed in Tables 1.1A and 1.2A. For a key to the abbreviations used in Chart 1.2A please refer to either of those tables.

Confidence intervals are used to provide an indicator of statistical significance when analyzing small populations. Generally, smaller populations result in wider confidence intervals and less reliable rates. The calculated fertility rate occurs at the exact midpoint of the interval. If the statewide confidence interval falls within the band for a census area, the difference between the two is not statistically significant. For a more detailed discussion of confidence intervals and statistical significance, refer to Appendix B.

Chart 1.2A shows that the fertility rates for Aleutians West, Anchorage, Angoon-Hoonah-Skagway, Haines, Juneau, Kenai, Ketchikan, Matanuska-Susitna, Sitka, and Valdez/Cordova are significantly lower than the statewide rates. On the other hand, the fertility rates for Bethel, Dillingham, Kodiak, Nome, North Slope, Northwest Arctic, Wade-Hampton, and Yukon-Koyukuk are significantly higher than the statewide rates.

CHART 1.2B TEEN BIRTH RATES WITH 95% CONFIDENCE INTERVALS BY CENSUS AREAS, ALASKA, 1995-1997



Since the birth rate for teens deals with smaller numbers than the general fertility rate, teen births and populations for a three year period, from 1995 through 1997, have been used in calculating teen birth rates by census area. The teen birth rate is calculated by dividing the number of births to teens from ages 15-19 in the three-year period by the total estimated female population in that age group for all three years, and multiplying by a constant of proportionality of 1,000. Births to teens younger than 15 are not included when calculating the teen birth rate because there are few births in that population and the rate would not be comparable to the national teen birth rate.

Chart 1.2B shows that Aleutians West, Denali, Haines, Juneau, Sitka, Valdez-Cordova, Wrangell-Petersburg, and Yakutat had teen birth rates below the statewide rate. Bethel, Dillingham, Lake & Peninsula, Nome, North Slope, Northwest Arctic, and Wade Hampton had teen birth rates above the statewide rate.

TABLE 1.2A BIRTHS BY CENSUS AREA OF MOTHER'S RESIDENCE AND BY CENSUS AREA OF OCCURRENCE, ALASKA, 1997

| MOTHER'S RESIDENCE | CENSUS AREA OF OCCURRENCE | | | | | | | | | | | | |
|--------------------|---------------------------|-------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|
| | ALW | ANC | AHS | BET | DEN | DIL | FBK | HNS | JUN | KPB | KET | KOD | MSB |
| ALEUTN EAST | | 27 | | | | | | | | | | | |
| ALEUTN WEST | 1 | 31 | | | | 1 | 1 | | | 1 | | | |
| ANCHORAGE | | 4,115 | | | | 1 | 1 | | | | 1 | | 25 |
| ANG-HNH-SKG | | 1 | 1 | | | | | | 21 | | | | |
| BETHEL | | 130 | | 281 | | 3 | 2 | | 1 | | | | 1 |
| BRISTOL BAY | | 19 | | | | 3 | | | | | | | |
| DENALI | | 2 | | | 1 | | 20 | | | | | | 2 |
| DILLINGHAM | | 38 | | | | 62 | | | | | | | 1 |
| FAIRBANKS | | 20 | | | | | 1,393 | | | | | | |
| HAINES | | | | | | | | 1 | 12 | | 1 | | |
| JUNEAU | | 21 | | | | | 2 | | 359 | 1 | | | |
| KENAI PEN | | 77 | | | | | 2 | | | 570 | | | |
| KETCHIKAN | | 2 | | | | | | | | | 185 | | |
| KODIAK | | 14 | | | | | | | | 1 | | 246 | |
| LAKE-PENIN | | 33 | | 1 | | 2 | | | | | | 1 | |
| MAT-SU | | 239 | | | | | | | | 1 | | | 446 |
| NOME | | 68 | | 1 | | | 2 | | | | | | |
| NORTH SLOPE | | 49 | | | | | | 19 | | | | | |
| NW ARCTIC | | 62 | | 1 | | | 7 | | | 1 | | | |
| PRINCE-WALES | | 3 | | | | | 1 | | | 1 | 75 | | |
| SITKA | | 5 | | | | | | | | | | | |
| SE FAIRBANKS | | 4 | | | | | 81 | | | | | | |
| VALDEZ-CORDV | | 69 | | | | | 6 | | | | | | 3 |
| WADE HAMPTON | | 79 | | 129 | | | 1 | | | 1 | | | |
| WRANGELL-PBG | | 3 | | | | | | | 6 | | 24 | | |
| YAKUTAT | | 4 | | | | | 1 | | | | | | |
| YUKON-KOY | | 23 | | 3 | | | 88 | | | | | | |
| TOTAL | 1 | 5,138 | 1 | 416 | 1 | 72 | 1,627 | 1 | 399 | 577 | 286 | 247 | 478 |

Continued ↻

TABLE 1.2A CONTINUED

| MOTHER'S RESIDENCE | CENSUS AREA OF OCCURRENCE | | | | | | | | | | | TOTAL | |
|--------------------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|
| | NOM | NSB | NAB | POW | SIT | SEF | VAL | WAH | WRP | YUK | OOS | | |
| ALEUTN EAST | | | | | | | | | | | | 2 | 29 |
| ALEUTN WEST | | | | | 1 | | | | | | | 11 | 47 |
| ANCHORAGE | | | 2 | | | | | | | | | 19 | 4,164 |
| ANG-HNH-SKG | | | | | 10 | | | | | | | 6 | 39 |
| BETHEL | | | | | | | | | | | | 1 | 419 |
| BRISTOL BAY | | | | | | | | | | | | 1 | 23 |
| DENALI | | | | | | | | | | | | | 25 |
| DILLINGHAM | | | | | | | | | | | | | 101 |
| FAIRBANKS | | | | | 1 | | | | | | | 10 | 1,424 |
| HAINES | | | | | 4 | | | | | | | 7 | 25 |
| JUNEAU | | | | | 7 | | | | | | | 13 | 403 |
| KENAI PEN | | | | | | | | | | | | 2 | 651 |
| KETCHIKAN | | | | | | | | | | | | 8 | 195 |
| KODIAK | | | | | | | | | | | | 3 | 264 |
| LAKE-PENIN | | | | | | | | | | | | | 37 |
| MAT-SU | | | | | | | | | | | | 9 | 695 |
| NOME | 122 | 1 | 1 | | | | | | | | | 4 | 199 |
| NORTH SLOPE | | 68 | 10 | | | | | | | | | 5 | 151 |
| NW ARCTIC | 1 | | 101 | | | | | | | | | 3 | 176 |
| PRINCE-WALES | | | | 3 | 5 | | | | | | | 5 | 93 |
| SITKA | | | | | 102 | | | | | | | 3 | 110 |
| SE FAIRBANKS | | | | | | 19 | | | | | | 1 | 105 |
| VALDEZ-CORDV | | | | | | | 51 | | | | | 1 | 130 |
| WADE HAMPTON | | | | | | | | | 13 | | | 3 | 226 |
| WRANGELL-PBG | | | | | 15 | | | | | 40 | | 11 | 99 |
| YAKUTAT | | | | | 2 | | | | | | | | 7 |
| YUKON-KOY | | | | | 1 | | | | | | 3 | 1 | 119 |
| TOTAL | 123 | 69 | 114 | 3 | 148 | 19 | 51 | 13 | 40 | 3 | 129 | 9,956 | |

TABLE 1.2B BIRTHS BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE AND BY NATIVE REGIONAL CORPORATION OF OCCURRENCE, ALASKA, 1997

| MOTHER'S RESIDENCE CORPORATION | NATIVE CORPORATION OF OCCURRENCE | | | | | | | | | | | | TOTAL | |
|--------------------------------|----------------------------------|-------|------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|
| | AHTNA | ALEUT | ARCT | BERI | BRIST | CALIS | CHUGA | COOK | DOYON | KONI | NANA | SEAAK | | OOS |
| AHTNA | 6 | | | | | | 4 | 22 | 5 | | | | | 37 |
| ALEUT | | 1 | | | 1 | | | 59 | 1 | | | 1 | 13 | 76 |
| ARCTIC SLOPE | | | 68 | | | | | 49 | 19 | | 10 | | 5 | 151 |
| BERING STRAITS | | | 1 | 122 | | 1 | | 68 | 2 | | 1 | | 4 | 199 |
| BRISTOL BAY | | | | | 67 | 1 | | 85 | | 1 | | | 1 | 155 |
| CALISTA | | | | | 3 | 423 | | 211 | 3 | | | 1 | 4 | 645 |
| CHUGACH | | | | | | | 41 | 103 | 2 | | | | 1 | 147 |
| COOK INLET | | | | | 1 | | | 5,426 | 2 | | 2 | 1 | 30 | 5,462 |
| DOYON | | | | | | 3 | | 51 | 1,605 | | | 2 | 12 | 1,673 |
| KONIAG | | | | | | | | 15 | | 246 | | | 3 | 264 |
| NANA | | | | 1 | | 1 | | 63 | 7 | | 101 | | 3 | 176 |
| SEALASKA | | | | | | | | 41 | 4 | | | 873 | 53 | 971 |
| TOTAL | 6 | 1 | 69 | 123 | 72 | 429 | 45 | 6,193 | 1,650 | 247 | 114 | 878 | 129 | 9,956 |

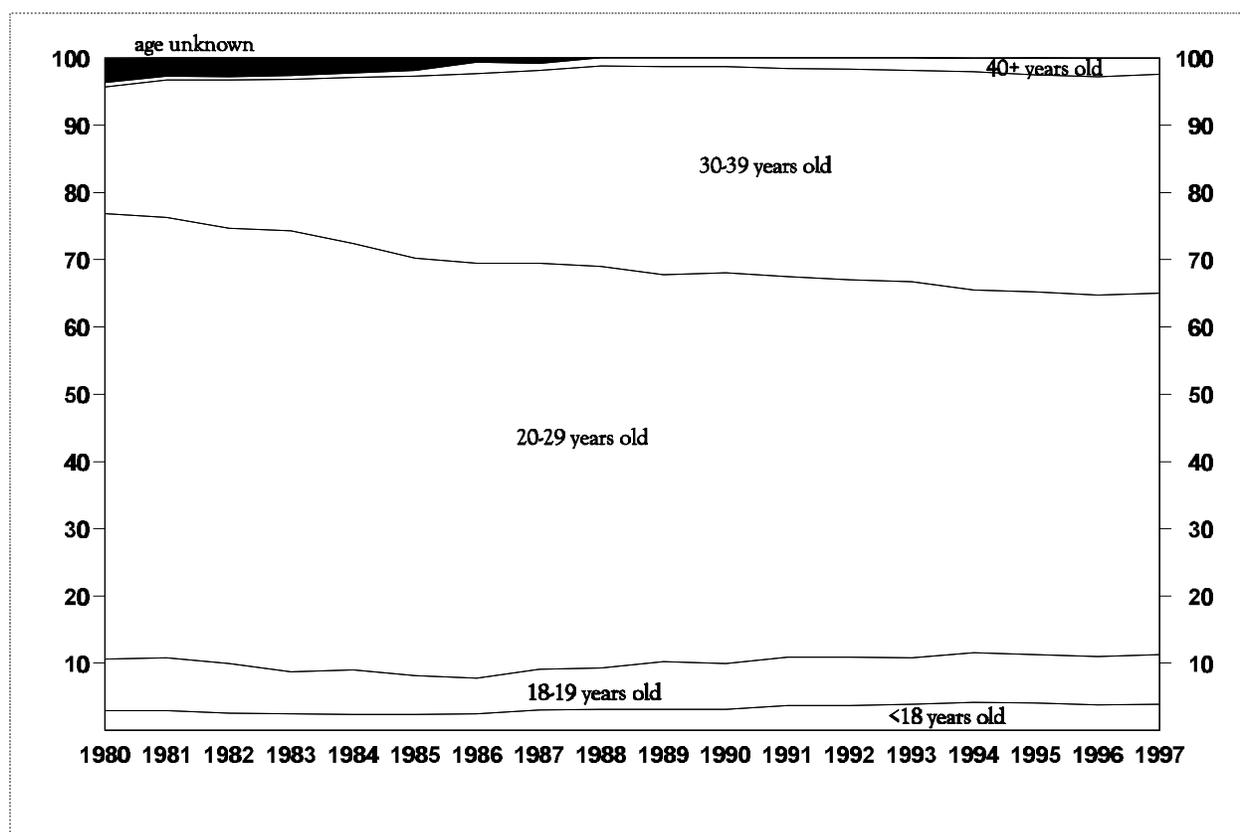
BIRTHS BY AGE AND RACE

A dramatic change in the last two decades has been the shift in the age distribution of mothers. Mothers ages 20-29 accounted for 53.8 percent of all births in 1997, down from 66.2 percent of all births in 1980. Mothers ages 30-39 accounted for 32.6 percent of all births in 1997, up from 18.9 percent in 1980. While there has been some change in the percentage of mothers under 20 and 40 and above, these changes are small compared to the shift in mothers from ages 20-29 to 30-39. (See Chart 1.3.)

TABLE 1.3A RESIDENT BIRTHS AND PERCENTAGE BY AGE OF MOTHER, ALASKA, 1980, 1990, and 1997

| AGE OF MOTHER | YEAR | | | | | |
|---------------|-------|-------|--------|-------|-------|-------|
| | 1980 | | 1990 | | 1997 | |
| | No. | % | No. | % | No. | % |
| <18 | 278 | 2.9 | 364 | 3.1 | 389 | 3.9 |
| 18-19 | 728 | 7.7 | 813 | 6.8 | 730 | 7.3 |
| 20-29 | 6,290 | 66.2 | 6,919 | 58.1 | 5,357 | 53.8 |
| 30-39 | 1,797 | 18.9 | 3,651 | 30.7 | 3,248 | 32.6 |
| 40 + | 57 | 0.6 | 149 | 1.3 | 232 | 2.3 |
| UNKNOWN | 345 | 3.6 | 4 | 0.0 | | |
| TOTAL | 9,495 | 100.0 | 11,900 | 100.0 | 9,956 | 100.0 |

CHART 1.3 PERCENTAGE OF BIRTHS BY AGE OF MOTHER, ALASKA, 1980-1997



Race-specific birth and fertility rates are impacted by two factors: 1) base population estimates, and 2) the manner in which race is determined at birth. According to standards set by the National Center for Health Statistics (NCHS), the mother's race determines the child's race.

Table 1.3B shows differences in the age distribution of infants born to mothers by race. In 1997, 9.1 percent of all white infants and 11.3 percent of all Asian/Pacific Islander infants were born to mothers under 20, while 16.4 percent of all Native infants and 15.6 percent of all black infants were born to mothers under 20. Even more startling is the difference in age distribution of first-time mothers: 18.8 percent of first-born white infants and 22.8 percent of first-born Asian/Pacific Islander infants were born to mothers under the age of 20; and 44.7 percent of first-born Native infants and 33.5 percent of first-born black infants were born to mothers were under the age of 20.

A comparison of total births and first-time births is an indicator of parity (the number of children born to a mother). For instance, 40.2 percent of white infants and 27.3 percent of Native infants were born to first-time mothers. White mothers had an average of 1.0 prior live births; Native mothers had an average of 1.9 prior live births; Black mothers had an average of 1.3 prior live births, and Asian mothers had an average of 1.1 prior live births.

TABLE 1.3B RESIDENT BIRTHS AND PERCENTAGE BY AGE AND RACE FOR ALL MOTHERS AND FIRST-TIME MOTHERS, ALASKA, 1997

| AGE | ALL MOTHERS | | | | | | | | | | TOTAL |
|--------------|--------------------|--------------|--------------|--------------|------------|--------------|------------|--------------|------------|--------------|--------------|
| | WHITE | | NATIVE | | BLACK | | ASIAN/PI | | UNKN | | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | |
| <18 | 179 | 2.8 | 160 | 6.7 | 30 | 6.6 | 15 | 2.9 | 5 | 3.5 | 389 |
| 18-19 | 404 | 6.3 | 232 | 9.7 | 41 | 9.0 | 43 | 8.4 | 10 | 7.0 | 730 |
| 20-29 | 3,501 | 54.3 | 1,266 | 52.8 | 268 | 58.9 | 243 | 47.6 | 79 | 55.2 | 5,357 |
| 30-39 | 2,187 | 33.9 | 705 | 29.4 | 112 | 24.6 | 199 | 38.9 | 45 | 31.5 | 3,248 |
| 40 + | 179 | 2.8 | 34 | 1.4 | 4 | 0.9 | 11 | 2.2 | 4 | 2.8 | 232 |
| TOTAL | 6,450 | 100.0 | 2,397 | 100.0 | 455 | 100.0 | 511 | 100.0 | 143 | 100.0 | 9,956 |
| AGE | FIRST-TIME MOTHERS | | | | | | | | | | TOTAL |
| | WHITE | | NATIVE | | BLACK | | ASIAN/PI | | UNKN | | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | |
| <18 | 171 | 6.6 | 145 | 22.2 | 26 | 14.5 | 15 | 6.9 | 5 | 6.4 | 362 |
| 18-19 | 315 | 12.2 | 147 | 22.5 | 34 | 19.0 | 34 | 15.7 | 9 | 11.5 | 539 |
| 20-29 | 1,458 | 56.3 | 311 | 47.6 | 102 | 57.0 | 112 | 51.9 | 47 | 60.3 | 2,030 |
| 30-39 | 608 | 23.5 | 50 | 7.6 | 17 | 9.5 | 54 | 25.0 | 16 | 20.5 | 745 |
| 40 + | 39 | 1.5 | 1 | 0.2 | | | 1 | 0.5 | 1 | 1.3 | 42 |
| TOTAL | 2,591 | 100.0 | 654 | 100.0 | 179 | 100.0 | 216 | 100.0 | 78 | 100.0 | 3,718 |

TABLE 1.3C COMPARISON OF AGE-SPECIFIC BIRTH RATES BY THE MOTHER'S RACE, ALASKA AND THE UNITED STATES, 1992, 1996, 1997

| MOTHER | | ALASKA | | | | | UNITED STATES* | | | | |
|--------|----------|--------|-------|-------|--------|-------|----------------|-------|-------|--------|-------|
| AGE | RACE | RATE | | | CHANGE | | RATE | | | CHANGE | |
| | | 1992 | 1996 | 1997 | 92-97 | 96-97 | 1992 | 1996 | 1997 | 92-97 | 96-97 |
| 15-17 | WHITE | 24.9 | 17.4 | 17.4 | -30.1 | 0.0 | 30.1 | 28.4 | 27.4 | -9.0 | -3.5 |
| | NATIVE** | 71.2 | 57.3 | 51.1 | -28.2 | -10.8 | 53.8 | 46.4 | 45.3 | -15.8 | -2.4 |
| | BLACK | 59.7 | 44.0 | 42.3 | -29.1 | -3.9 | 81.3 | 64.7 | 62.3 | -23.4 | -3.7 |
| | ASIAN/PI | 25.6 | 23.9 | 26.2 | 2.3 | 9.6 | 15.2 | 14.9 | 15.3 | 0.7 | 2.7 |
| | TOTAL | 35.5 | 26.9 | 26.1 | -26.5 | -3.0 | 37.8 | 33.8 | 32.6 | -13.8 | -3.6 |
| 18-19 | WHITE | 105.3 | 81.4 | 74.9 | -28.9 | -8.0 | 83.8 | 78.4 | 76.6 | -8.6 | -2.3 |
| | NATIVE** | 182.7 | 144.3 | 140.1 | -23.3 | -2.9 | 132.6 | 122.3 | 117.7 | -11.2 | -3.8 |
| | BLACK | 157.2 | 111.8 | 117.1 | -25.5 | 4.7 | 157.9 | 132.5 | 131.2 | -16.9 | -1.0 |
| | ASIAN/PI | 88.3 | 88.8 | 125.4 | 42.0 | 41.2 | 43.1 | 40.4 | 40.4 | -6.3 | 0.0 |
| | TOTAL | 122.9 | 96.3 | 94.2 | -23.4 | -2.2 | 94.5 | 86.0 | 84.4 | -10.7 | -1.9 |
| 15-19 | WHITE | 54.7 | 39.8 | 37.5 | -31.4 | -5.8 | 51.8 | 48.1 | 46.8 | -9.7 | -2.7 |
| | NATIVE** | 114.4 | 88.9 | 83.5 | -27.0 | -6.1 | 84.4 | 73.9 | 71.8 | -14.9 | -2.8 |
| | BLACK | 96.8 | 68.1 | 68.8 | -28.9 | 1.0 | 112.4 | 91.4 | 89.5 | -20.4 | -2.1 |
| | ASIAN/PI | 49.3 | 48.8 | 63.3 | 28.4 | 29.7 | 26.6 | 24.6 | 24.8 | -6.8 | 0.8 |
| | TOTAL | 68.3 | 51.5 | 50.2 | -26.5 | -2.5 | 60.7 | 54.4 | 52.9 | -12.9 | -2.8 |
| 20-24 | WHITE | 166.2 | 158.5 | 148.7 | -10.5 | -6.2 | 108.2 | 107.2 | 107.3 | -0.8 | 0.1 |
| | NATIVE** | 257.2 | 203.5 | 198.7 | -22.7 | -2.4 | 145.5 | 133.9 | 134.5 | -7.6 | 0.4 |
| | BLACK | 163.2 | 136.1 | 153.3 | -6.1 | 12.6 | 158.0 | 136.8 | 139.1 | -12.0 | 1.7 |
| | ASIAN/PI | 164.7 | 133.2 | 126.2 | -23.4 | -5.3 | 74.6 | 70.7 | 72.0 | -3.5 | 1.8 |
| | TOTAL | 182.8 | 166.0 | 161.0 | -11.9 | -3.0 | 114.6 | 110.4 | 110.9 | -3.2 | 0.5 |
| 25-29 | WHITE | 126.5 | 136.0 | 141.2 | 11.6 | 3.8 | 118.4 | 116.1 | 117.2 | -1.0 | 0.9 |
| | NATIVE** | 193.7 | 183.5 | 176.5 | -8.9 | -3.8 | 109.4 | 98.5 | 100.6 | -8.0 | 2.1 |
| | BLACK | 122.7 | 74.7 | 74.6 | -39.2 | -0.1 | 111.2 | 98.2 | 99.8 | -10.3 | 1.6 |
| | ASIAN/PI | 180.7 | 161.5 | 153.3 | -15.2 | -5.1 | 121.0 | 111.2 | 113.6 | -6.1 | 2.2 |
| | TOTAL | 139.6 | 140.3 | 144.8 | 3.7 | 3.2 | 117.4 | 113.1 | 114.3 | -2.6 | 1.1 |
| 30-34 | WHITE | 80.2 | 80.1 | 78.8 | -1.7 | -1.6 | 81.4 | 86.3 | 88.0 | 8.1 | 2.0 |
| | NATIVE** | 116.4 | 122.5 | 125.5 | 7.8 | 2.4 | 63.0 | 63.2 | 64.0 | 1.6 | 1.3 |
| | BLACK | 71.9 | 57.2 | 62.2 | -13.5 | 8.7 | 67.5 | 63.3 | 63.9 | -5.3 | 0.9 |
| | ASIAN/PI | 126.0 | 91.3 | 106.7 | -15.3 | 16.9 | 103.0 | 109.2 | 109.8 | 6.6 | 0.5 |
| | TOTAL | 87.1 | 86.2 | 87.8 | 0.8 | 1.9 | 80.2 | 83.9 | 85.4 | 6.5 | 1.8 |
| 35-39 | WHITE | 36.4 | 32.6 | 33.5 | -8.0 | 2.8 | 32.2 | 35.6 | 36.3 | 12.7 | 2.0 |
| | NATIVE** | 50.8 | 49.6 | 57.1 | 12.4 | 15.1 | 28.0 | 28.5 | 29.1 | 3.9 | 2.1 |
| | BLACK | 18.4 | 37.3 | 42.8 | 132.6 | 14.7 | 28.8 | 29.1 | 29.3 | 1.7 | 0.7 |
| | ASIAN/PI | 52.6 | 46.3 | 42.1 | -20.0 | -9.1 | 50.6 | 52.2 | 53.3 | 5.3 | 2.1 |
| | TOTAL | 38.2 | 35.8 | 38.1 | -0.3 | 6.4 | 32.5 | 35.3 | 36.0 | 10.8 | 2.0 |
| 40-44 | WHITE | 6.9 | 8.9 | 7.5 | 8.7 | -15.7 | 5.7 | 6.7 | 6.8 | 19.3 | 1.5 |
| | NATIVE** | 15.4 | 10.8 | 9.0 | -41.6 | -16.7 | 6.1 | 6.3 | 6.4 | 4.9 | 1.6 |
| | BLACK | 8.5 | 6.6 | 4.1 | -51.8 | -37.9 | 5.6 | 6.1 | 6.2 | 10.7 | 1.6 |
| | ASIAN/PI | 5.3 | 13.9 | 7.6 | 43.4 | -45.3 | 11.0 | 12.2 | 11.6 | 5.5 | -4.9 |
| | TOTAL | 7.8 | 9.3 | 7.7 | -1.3 | -17.2 | 5.9 | 6.8 | 6.9 | 16.9 | 1.5 |

* U.S. data from 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 1, p. 9.

** US Data on Native line is for American Indians

TABLE 1.3D RACE-SPECIFIC BIRTH RATES, FERTILITY RATES, AND TEEN BIRTH RATES, ALASKA, 1997

| MOTHER'S RACE | BIRTHS | TOTAL POPULATION | RACE SPECIFIC BIRTH RATE | FEMALES 15-44 | FERTILITY RATE | TEEN BIRTHS | FEMALES 15-19 | TEEN BIRTH RATE |
|---------------|--------|------------------|--------------------------|---------------|----------------|-------------|---------------|-----------------|
| WHITE | 6,450 | 453,890 | 14.2 | 103,340 | 62.4 | 579 | 15,453 | 37.5 |
| NATIVE | 2,397 | 101,904 | 23.5 | 22,620 | 106.0 | 380 | 4,553 | 83.5 |
| BLACK | 455 | 27,203 | 16.7 | 6,531 | 69.7 | 68 | 989 | 68.8 |
| ASIAN/PI | 511 | 28,303 | 18.1 | 6,878 | 74.3 | 58 | 916 | 63.3 |
| UNKNOWN | 143 | | | | | 15 | | |
| TOTAL | 9,956 | 611,300 | 16.3 | 139,369 | 71.4 | 1,100 | 21,911 | 50.2 |

Race-specific birth rates are the number of live births in a specific race, divided by the estimated population of that race, multiplied by a constant of proportionality of 1,000. Fertility rates are the number of live births, divided by the number of women ages 15 to 44 in the estimated population, multiplied by a constant of proportionality of 1,000. Teen birth rates are the number of births to teens ages 15-19, divided by the estimated population of females ages 15-19, multiplied by a constant of proportionality of 1,000. Unlike Chart 1.2B which shows teen birth rates by census area calculated on a 3-year average, teen birth rates by race have been calculated on a single year basis because of the larger populations. Race-specific birth, fertility, and teen birth rates provide a useful means of comparing two populations.

CHART 1.4 RACE-SPECIFIC FERTILITY RATES, ALASKA, 1993-1997

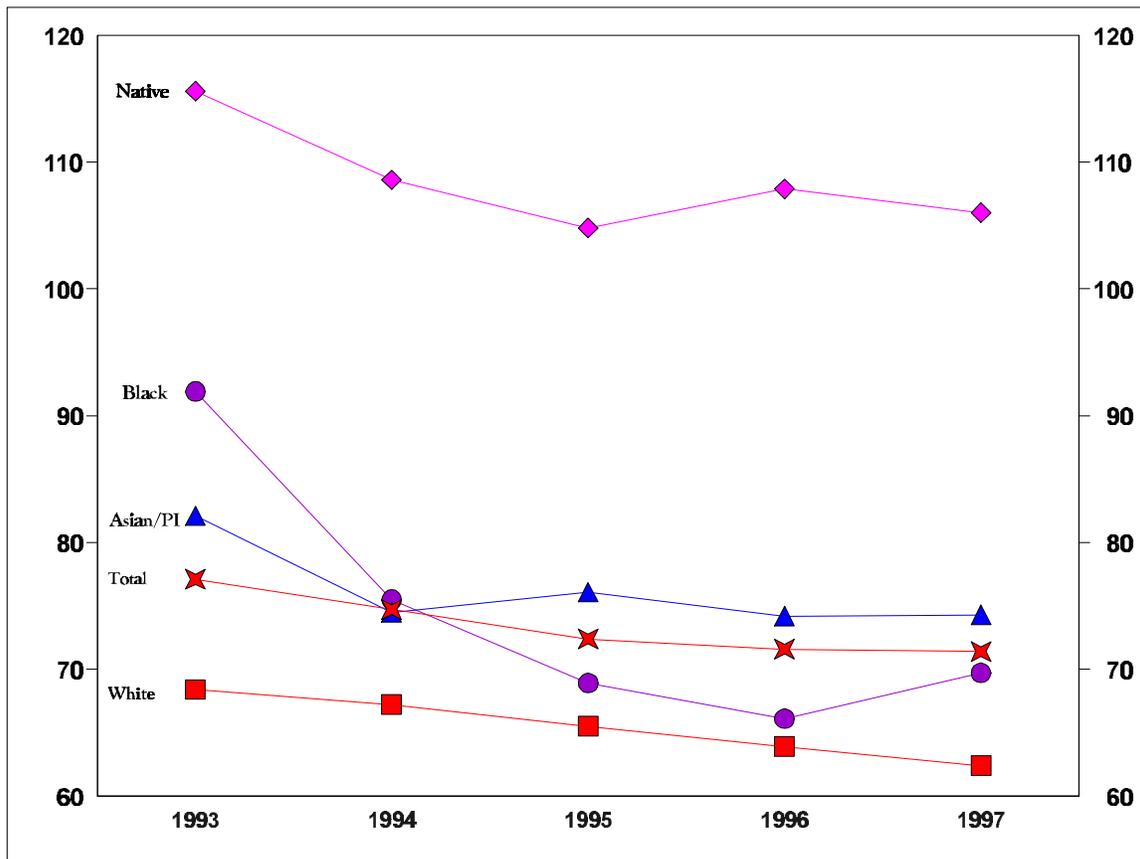
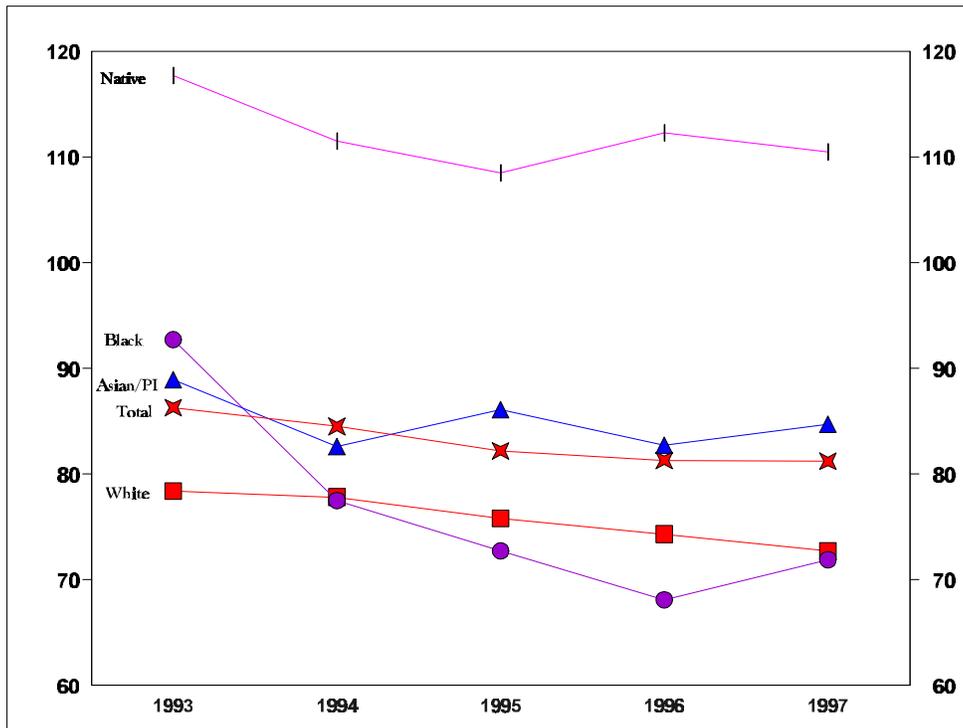


CHART 1.5 AGE-ADJUSTED BIRTH RATES BY RACE, ALASKA, 1993-1997



For this report, age-adjusted rates are birth rates standardized to 1940 standard million population. This allows comparisons between populations with different age distributions.

CHART 1.6 RACE-SPECIFIC BIRTH RATES FOR TEENS (AGES 15-19), ALASKA, 1993-1997

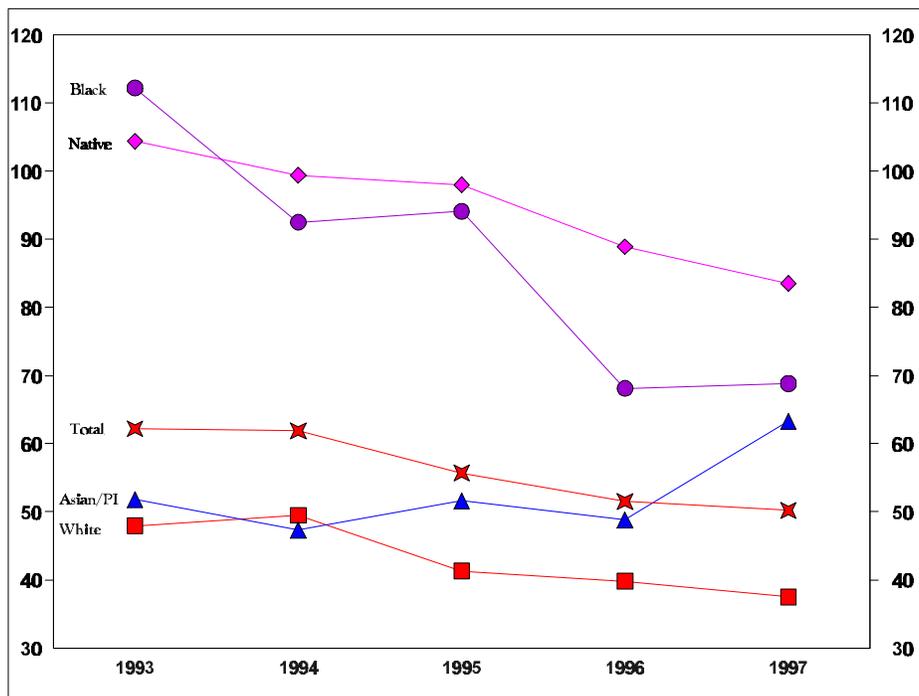


TABLE 1.4 PERCENTAGE OF RESIDENT BIRTHS BY AGE AND RACE OF MOTHER AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1997

| MOTHER'S AGE RACE | | PERCENTAGE OF BIRTHS BY WEIGHT IN GRAMS | | | | | | | | | |
|----------------------|----------|---|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------|-----------|
| | | <750 % | 750- 1499 % | 1500- 1999 % | 2000- 2499 % | 2500- 2999 % | 3000- 3499 % | 3500- 3999 % | 4000- 4499 % | 4500+ % | UNKN % |
| <15 YRS | WHITE | | | | | 50.0 | 25.0 | 25.0 | | | |
| | NATIVE | | | | | 8.3 | 50.0 | 33.3 | | 8.3 | |
| | BLACK | | | | 33.3 | | | 66.7 | | | |
| 15-17 YRS | WHITE | 1.7 | 1.1 | 3.4 | 5.1 | 17.1 | 39.4 | 26.3 | 4.0 | 0.6 | 1.1 |
| | NATIVE | | 0.7 | 0.7 | 3.4 | 10.1 | 38.5 | 27.7 | 17.6 | 1.4 | |
| | BLACK | | | 7.4 | | 22.2 | 51.9 | 14.8 | 3.7 | | |
| | ASIAN/PI | | | | 13.3 | 33.3 | 20.0 | 26.7 | 6.7 | | |
| | UNKNOWN | | | | | 40.0 | 20.0 | 20.0 | 20.0 | | |
| 18-19 YRS | WHITE | | 0.2 | 1.2 | 3.0 | 16.6 | 38.9 | 30.7 | 8.4 | 1.0 | |
| | NATIVE | | | 1.3 | 2.2 | 12.1 | 33.2 | 37.5 | 12.1 | 1.3 | 0.4 |
| | BLACK | 2.4 | 4.9 | | 2.4 | 34.1 | 36.6 | 14.6 | 4.9 | | |
| | ASIAN/PI | | | 4.7 | 4.7 | 23.3 | 37.2 | 25.6 | 2.3 | 2.3 | |
| | UNKNOWN | | | | | 20.0 | 50.0 | 10.0 | 10.0 | | 10.0 |
| 20-24 YRS | WHITE | 0.2 | 0.4 | 0.9 | 2.8 | 12.6 | 35.8 | 34.6 | 11.1 | 1.5 | 0.1 |
| | NATIVE | 0.3 | 1.4 | 1.3 | 3.6 | 10.4 | 26.7 | 38.2 | 14.6 | 3.5 | |
| | BLACK | 0.6 | 1.3 | 3.8 | 6.3 | 22.0 | 36.5 | 24.5 | 5.0 | | |
| | ASIAN/PI | 1.0 | | | 5.7 | 20.0 | 43.8 | 23.8 | 2.9 | 1.0 | 1.9 |
| | UNKNOWN | | | 2.9 | | 42.9 | 25.7 | 20.0 | 5.7 | 2.9 | |
| 25-29 YRS | WHITE | 0.3 | 0.4 | 0.7 | 3.8 | 9.7 | 34.2 | 34.3 | 14.3 | 2.0 | 0.2 |
| | NATIVE | | 1.6 | 0.9 | 2.7 | 10.2 | 28.3 | 33.8 | 18.2 | 3.6 | 0.5 |
| | BLACK | | 1.8 | 0.9 | 8.3 | 15.6 | 41.3 | 28.4 | 2.8 | 0.9 | |
| | ASIAN/PI | | 2.2 | 0.7 | 2.2 | 18.8 | 44.9 | 23.9 | 7.2 | | |
| | UNKNOWN | | 4.5 | | 4.5 | 13.6 | 34.1 | 25.0 | 11.4 | | 6.8 |
| 30-34 YRS | WHITE | 0.6 | 0.8 | 1.1 | 3.3 | 10.7 | 32.6 | 33.7 | 13.7 | 3.3 | 0.1 |
| | NATIVE | 0.4 | 0.8 | 0.8 | 2.9 | 12.0 | 29.9 | 32.0 | 16.8 | 4.0 | 0.2 |
| | BLACK | 2.7 | | 5.4 | 9.5 | 13.5 | 31.1 | 25.7 | 9.5 | 2.7 | |
| | ASIAN/PI | | 1.5 | 1.5 | 5.2 | 12.6 | 45.2 | 26.7 | 5.2 | 0.7 | 1.5 |
| | UNKNOWN | 3.7 | 3.7 | | 3.7 | 14.8 | 22.2 | 33.3 | 3.7 | 3.7 | 11.1 |
| 35-39 YRS | WHITE | 0.4 | 0.9 | 0.9 | 3.3 | 11.2 | 31.1 | 32.4 | 14.6 | 4.6 | 0.7 |
| | NATIVE | 0.4 | 1.3 | 1.3 | 5.7 | 13.0 | 27.8 | 32.2 | 15.7 | 2.2 | 0.4 |
| | BLACK | | 2.6 | 2.6 | 5.3 | 15.8 | 39.5 | 28.9 | 5.3 | | |
| | ASIAN/PI | | | | 1.6 | 17.2 | 35.9 | 35.9 | 4.7 | 4.7 | |
| | UNKNOWN | | | | 5.6 | 16.7 | 38.9 | 22.2 | | | 16.7 |
| 40-44 YRS | WHITE | | 1.2 | 2.3 | 3.5 | 10.5 | 28.1 | 38.0 | 12.9 | 3.5 | |
| | NATIVE | | 6.3 | | 3.1 | 12.5 | 34.4 | 40.6 | 3.1 | | |
| | BLACK | | | | | | 50.0 | 50.0 | | | |
| | ASIAN/PI | | | | 9.1 | 9.1 | 54.5 | 18.2 | 9.1 | | |
| | UNKNOWN | | 25.0 | | | 50.0 | | 25.0 | | | |
| 45+ YRS | WHITE | | | | 12.5 | 12.5 | 25.0 | 25.0 | 12.5 | 12.5 | |
| | NATIVE | | | | | | 50.0 | 50.0 | | | |
| TOTAL | | 0.4 | 0.8 | 1.1 | 3.5 | 12.3 | 33.5 | 33.0 | 12.6 | 2.4 | 0.3 |

Table 1.4 shows the percentage of resident births by age and race of the mother and by birth weight of the child. Infants under 2,500 grams are considered low birth weight. Achieving a low birth weight percentage of 5% is one of the Year 2000 objectives (Appendix F). For more information on birth weight, see page 40.

TABLE 1.5A RESIDENT BIRTHS TO TEENAGE MOTHERS BY CENSUS AREA OF RESIDENCE, AGE AND MARITAL STATUS, ALASKA, 1997

| CENSUS AREA OF MOTHER'S RESIDENCE | <15 | | 15-17 | | 18-19 | | TOTAL | | |
|-----------------------------------|---------|----|---------|-----|---------|-----|---------|-----|-------|
| | MARRIED | | MARRIED | | MARRIED | | MARRIED | | |
| | YES | NO | YES | NO | YES | NO | YES | NO | TOTAL |
| ALEUTIANS EAST | | | | | 1 | 7 | 1 | 7 | 8 |
| ALEUTIANS WEST | | | | 1 | | 3 | | 4 | 4 |
| ANCHORAGE | | 6 | 16 | 120 | 82 | 170 | 98 | 296 | 394 |
| ANGOON-HOONAH-SKG | | | 1 | 2 | | 3 | 1 | 5 | 6 |
| BETHEL | | 2 | 1 | 15 | 5 | 28 | 6 | 45 | 51 |
| BRISTOL BAY | | | | 2 | | | | 2 | 2 |
| DENALI | | | | | | 1 | | 1 | 1 |
| DILLINGHAM | | | | 2 | 4 | 9 | 4 | 11 | 15 |
| FAIRBANKS NSB | | 1 | 7 | 27 | 45 | 60 | 52 | 88 | 140 |
| HAINES BOROUGH | | | 1 | | 1 | 1 | 2 | 1 | 3 |
| JUNEAU BOROUGH | | | | 15 | 7 | 24 | 7 | 39 | 46 |
| KENAI PENINSULA | | 2 | 6 | 23 | 27 | 34 | 33 | 59 | 92 |
| KETCHIKAN | | | 1 | 13 | 9 | 9 | 10 | 22 | 32 |
| KODIAK ISLAND | | | | 8 | 7 | 14 | 7 | 22 | 29 |
| LAKE-PENINSULA | | | | 6 | 2 | 4 | 2 | 10 | 12 |
| MATANUSKA-SUSITNA | | 1 | 6 | 26 | 18 | 46 | 24 | 73 | 97 |
| NOME | | 1 | | 19 | 2 | 19 | 2 | 39 | 41 |
| NORTH SLOPE | | 1 | | 8 | 3 | 19 | 3 | 28 | 31 |
| NORTHWEST ARCTIC | | | | 14 | | 15 | | 29 | 29 |
| PRINCE OF WALES | | | 1 | 3 | 2 | 5 | 3 | 8 | 11 |
| SITKA BOROUGH | | | | | 2 | 3 | 2 | 3 | 5 |
| SE FAIRBANKS | | | | 3 | | 2 | | 5 | 5 |
| VALDEZ-CORDOVA | | 2 | | 2 | 2 | 3 | 2 | 7 | 9 |
| WADE HAMPTON | | 1 | | 11 | | 19 | | 31 | 31 |
| WRANGELL-PETERSBG | | | 2 | 2 | | 5 | 2 | 7 | 9 |
| YAKUTAT | | | | | | 1 | | 1 | 1 |
| YUKON-KOYUKUK | | 2 | | 6 | 1 | 6 | 1 | 14 | 15 |
| TOTAL | | 19 | 42 | 328 | 220 | 510 | 262 | 857 | 1,119 |

TABLE 1.5B RESIDENT BIRTHS TO TEENAGE MOTHERS BY NATIVE REGIONAL CORPORATION OF RESIDENCE, AGE AND MARITAL STATUS, ALASKA, 1997

| NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE | <15 | | 15-17 | | 18-19 | | TOTAL | | |
|---|---------|----|---------|-----|---------|-----|---------|-----|-------|
| | MARRIED | | MARRIED | | MARRIED | | MARRIED | | |
| | YES | NO | YES | NO | YES | NO | YES | NO | TOTAL |
| AHTNA INC | | 1 | | 1 | 1 | 1 | 1 | 3 | 4 |
| ALEUT CORP. | | | | 1 | 1 | 10 | 1 | 11 | 12 |
| ARCTIC SLOPE CORP. | | 1 | | 8 | 3 | 19 | 3 | 28 | 31 |
| BERING STRAITS CORP | | 1 | | 19 | 2 | 19 | 2 | 39 | 41 |
| BRISTOL BAY CORP. | | | | 10 | 6 | 13 | 6 | 23 | 29 |
| CALISTA CORP. | | 3 | 1 | 26 | 5 | 47 | 6 | 76 | 82 |
| CHUGACH NATIVES INC | | 1 | | 1 | 2 | 6 | 2 | 8 | 10 |
| COOK INLET REG CORP | | 9 | 28 | 169 | 126 | 246 | 154 | 424 | 578 |
| DOYON LTD | | 3 | 7 | 36 | 46 | 69 | 53 | 108 | 161 |
| KONIAG INC. | | | | 8 | 7 | 14 | 7 | 22 | 29 |
| NANA REGIONAL CORP. | | | | 14 | | 15 | | 29 | 29 |
| SEALASKA CORP. | | | 6 | 35 | 21 | 51 | 27 | 86 | 113 |
| TOTAL | | 19 | 42 | 328 | 220 | 510 | 262 | 857 | 1,119 |

TABLE 1.6A RESIDENT BIRTHS BY MOTHER'S CENSUS AREA OF RESIDENCE, RACE, AND SEX OF CHILD, ALASKA, 1997

| CENSUS AREA OF MOTHER'S RESIDENCE | RACE OF MOTHER | | | | | SEX OF CHILD | | TOTAL |
|-----------------------------------|----------------|--------|-------|----------|------|--------------|--------|-------|
| | WHITE | NATIVE | BLACK | ASIAN/PI | UNKN | MALE | FEMALE | |
| ALEUTIANS EAST | 5 | 23 | | 1 | | 15 | 14 | 29 |
| ALEUTIANS WEST | 21 | 20 | | 6 | | 25 | 22 | 47 |
| ANCHORAGE | 2,937 | 508 | 311 | 290 | 118 | 2,106 | 2,058 | 4,164 |
| ANGOON-HOONAH-SKG | 18 | 16 | | | 5 | 17 | 22 | 39 |
| BETHEL | 28 | 388 | | 3 | | 220 | 199 | 419 |
| BRISTOL BAY | 14 | 9 | | | | 11 | 12 | 23 |
| DENALI | 18 | 4 | | 2 | 1 | 13 | 12 | 25 |
| DILLINGHAM | 14 | 84 | | 3 | | 47 | 54 | 101 |
| FAIRBANKS NSB | 1,128 | 121 | 119 | 53 | 3 | 730 | 694 | 1,424 |
| HAINES BOROUGH | 16 | 4 | | | 5 | 15 | 10 | 25 |
| JUNEAU BOROUGH | 290 | 74 | 5 | 34 | | 206 | 197 | 403 |
| KENAI PENINSULA | 568 | 62 | 5 | 14 | 2 | 336 | 315 | 651 |
| KETCHIKAN | 140 | 41 | 1 | 11 | 2 | 101 | 94 | 195 |
| KODIAK ISLAND | 162 | 47 | 1 | 53 | 1 | 132 | 132 | 264 |
| LAKE-PENINSULA | 11 | 26 | | | | 17 | 20 | 37 |
| MATANUSKA-SUSITNA | 630 | 47 | 6 | 9 | 3 | 354 | 341 | 695 |
| NOME | 18 | 181 | | | | 100 | 99 | 199 |
| NORTH SLOPE | 17 | 123 | | 11 | | 82 | 69 | 151 |
| NORTHWEST ARCTIC | 13 | 161 | | 2 | | 85 | 91 | 176 |
| PRINCE OF WALES | 53 | 38 | | 2 | | 43 | 50 | 93 |
| SITKA BOROUGH | 66 | 35 | | 8 | 1 | 54 | 56 | 110 |
| SE FAIRBANKS | 77 | 22 | 5 | 1 | | 57 | 48 | 105 |
| VALDEZ-CORDOVA | 101 | 22 | | 5 | 2 | 70 | 60 | 130 |
| WADE HAMPTON | 6 | 220 | | | | 121 | 105 | 226 |
| WRANGELL-PETERSBG | 72 | 22 | 2 | 3 | | 53 | 46 | 99 |
| YAKUTAT | 3 | 4 | | | | 4 | 3 | 7 |
| YUKON-KOYUKUK | 24 | 95 | | | | 63 | 56 | 119 |
| TOTAL | 6,450 | 2,397 | 455 | 511 | 143 | 5,077 | 4,879 | 9,956 |

TABLE 1.6B RESIDENT BIRTHS BY MOTHER'S NATIVE REGIONAL CORPORATION OF RESIDENCE, RACE, AND SEX OF CHILD, ALASKA, 1997

| N R C OF MOTHER'S RESIDENCE | RACE OF MOTHER | | | | | SEX OF CHILD | | TOTAL |
|-----------------------------|----------------|--------|-------|----------|------|--------------|--------|-------|
| | WHITE | NATIVE | BLACK | ASIAN/PI | UNKN | MALE | FEMALE | |
| AHTNA INC | 26 | 11 | | | | 19 | 18 | 37 |
| ALEUT CORP. | 26 | 43 | | | 7 | 40 | 36 | 76 |
| ARCTIC SLOPE CORP. | 17 | 123 | | | 11 | 82 | 69 | 151 |
| BERING STRAITS CORP | 18 | 181 | | | | 100 | 99 | 199 |
| BRISTOL BAY CORP. | 33 | 119 | | | 3 | 73 | 82 | 155 |
| CALISTA CORP. | 34 | 608 | | | 3 | 341 | 304 | 645 |
| CHUGACH NATIVES INC | 114 | 25 | | | 6 | 79 | 68 | 147 |
| COOK INLET REG CORP | 4,102 | 603 | 322 | | 312 | 2,770 | 2,692 | 5,462 |
| DOYON LTD | 1,247 | 242 | 124 | | 56 | 863 | 810 | 1,673 |
| KONIAG INC. | 162 | 47 | 1 | | 53 | 132 | 132 | 264 |
| NANA REGIONAL CORP. | 13 | 161 | | | 2 | 85 | 91 | 176 |
| SEALASKA CORP. | 658 | 234 | 8 | | 58 | 493 | 478 | 971 |
| TOTAL | 6,450 | 2,397 | 455 | | 511 | 5,077 | 4,879 | 9,956 |

TABLE 1.7A RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND CENSUS AREA OF RESIDENCE, ALASKA, 1997

| CENSUS AREA | AGE OF MOTHER | | | | | | | | | | | | | | | | TOTAL ^ | | |
|-------------------|---------------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-----|------------|-----|-------|
| | <15 | | 15-17 | | 18-19 | | 20-24 | | 25-29 | | 30-34 | | 35-39 | | 40-44 | | | 45+ | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | | No. | % |
| ALEUTIANS EAST | | | | | 8 | 27.6 | 7 | 24.1 | 1 | 3.4 | 11 | 37.9 | 2 | 6.9 | | | | | 29 |
| ALEUTIANS WEST | | | 1 | 2.1 | 3 | 6.4 | 12 | 25.5 | 13 | 27.7 | 11 | 23.4 | 6 | 12.8 | 1 | 2.1 | | | 47 |
| ANCHORAGE | 6 | 0.1 | 136 | 3.3 | 252 | 6.1 | 1,063 | 25.5 | 1,146 | 27.5 | 973 | 23.4 | 489 | 11.7 | 98 | 2.4 | 1 | 0.0 | 4,164 |
| ANGOON-HOONAH-SKG | | | 3 | 7.7 | 3 | 7.7 | 10 | 25.6 | 10 | 25.6 | 8 | 20.5 | 4 | 10.3 | 1 | 2.6 | | | 39 |
| BETHEL | 2 | 0.5 | 16 | 3.8 | 33 | 7.9 | 132 | 31.5 | 95 | 22.7 | 88 | 21.0 | 47 | 11.2 | 6 | 1.4 | | | 419 |
| BRISTOL BAY | | | 2 | 8.7 | | | 4 | 17.4 | 8 | 34.8 | 6 | 26.1 | 3 | 13.0 | | | | | 23 |
| DENALI | | | | | 1 | 4.0 | 10 | 40.0 | 5 | 20.0 | 5 | 20.0 | 3 | 12.0 | 1 | 4.0 | | | 25 |
| DILLINGHAM | | | 2 | 2.0 | 13 | 12.9 | 17 | 16.8 | 22 | 21.8 | 28 | 27.7 | 18 | 17.8 | 1 | 1.0 | | | 101 |
| FAIRBANKS NSB | 1 | 0.1 | 34 | 2.4 | 105 | 7.4 | 473 | 33.2 | 426 | 29.9 | 234 | 16.4 | 131 | 9.2 | 19 | 1.3 | 1 | 0.1 | 1,424 |
| HAINES BOROUGH | | | 1 | 4.0 | 2 | 8.0 | 7 | 28.0 | 8 | 32.0 | 4 | 16.0 | 3 | 12.0 | | | | | 25 |
| JUNEAU BOROUGH | | | 15 | 3.7 | 31 | 7.7 | 80 | 19.9 | 110 | 27.3 | 96 | 23.8 | 52 | 12.9 | 16 | 4.0 | 3 | 0.7 | 403 |
| KENAI PENINSULA | 2 | 0.3 | 29 | 4.5 | 61 | 9.4 | 176 | 27.0 | 166 | 25.5 | 127 | 19.5 | 76 | 11.7 | 13 | 2.0 | 1 | 0.2 | 651 |
| KETCHIKAN | | | 14 | 7.2 | 18 | 9.2 | 49 | 25.1 | 47 | 24.1 | 49 | 25.1 | 13 | 6.7 | 4 | 2.1 | 1 | 0.5 | 195 |
| KODIAK ISLAND | | | 8 | 3.0 | 21 | 8.0 | 61 | 23.1 | 69 | 26.1 | 70 | 26.5 | 26 | 9.8 | 9 | 3.4 | | | 264 |
| LAKE-PENINSULA | | | 6 | 16.2 | 6 | 16.2 | 11 | 29.7 | 4 | 10.8 | 7 | 18.9 | 3 | 8.1 | | | | | 37 |
| MATANUSKA-SUSITNA | 1 | 0.1 | 32 | 4.6 | 64 | 9.2 | 172 | 24.7 | 193 | 27.8 | 136 | 19.6 | 80 | 11.5 | 15 | 2.2 | 2 | 0.3 | 695 |
| NOME | 1 | 0.5 | 19 | 9.5 | 21 | 10.6 | 54 | 27.1 | 47 | 23.6 | 30 | 15.1 | 21 | 10.6 | 6 | 3.0 | | | 199 |
| NORTH SLOPE | 1 | 0.7 | 8 | 5.3 | 22 | 14.6 | 37 | 24.5 | 34 | 22.5 | 33 | 21.9 | 13 | 8.6 | 3 | 2.0 | | | 151 |
| NORTHWEST ARCTIC | | | 14 | 8.0 | 15 | 8.5 | 48 | 27.3 | 51 | 29.0 | 31 | 17.6 | 15 | 8.5 | 2 | 1.1 | | | 176 |
| PRINCE OF WALES | | | 4 | 4.3 | 7 | 7.5 | 25 | 26.9 | 30 | 32.3 | 14 | 15.1 | 11 | 11.8 | 2 | 2.2 | | | 93 |
| SITKA BOROUGH | | | | | 5 | 4.5 | 27 | 24.5 | 35 | 31.8 | 31 | 28.2 | 10 | 9.1 | 2 | 1.8 | | | 110 |
| SE FAIRBANKS | | | 3 | 2.9 | 2 | 1.9 | 28 | 26.7 | 32 | 30.5 | 19 | 18.1 | 12 | 11.4 | 8 | 7.6 | 1 | 1.0 | 105 |
| VALDEZ-CORDOVA | 2 | 1.5 | 2 | 1.5 | 5 | 3.8 | 34 | 26.2 | 38 | 29.2 | 28 | 21.5 | 16 | 12.3 | 5 | 3.8 | | | 130 |
| WADE HAMPTON | 1 | 0.4 | 11 | 4.9 | 19 | 8.4 | 62 | 27.4 | 61 | 27.0 | 46 | 20.4 | 21 | 9.3 | 5 | 2.2 | | | 226 |
| WRANGELL-PETERSBG | | | 4 | 4.0 | 5 | 5.1 | 21 | 21.2 | 30 | 30.3 | 22 | 22.2 | 14 | 14.1 | 3 | 3.0 | | | 99 |
| YAKUTAT | | | | | 1 | 14.3 | | | 2 | 28.6 | 3 | 42.9 | 1 | 14.3 | | | | | 7 |
| YUKON-KOYUKUK | 2 | 1.7 | 6 | 5.0 | 7 | 5.9 | 30 | 25.2 | 24 | 20.2 | 28 | 23.5 | 20 | 16.8 | 2 | 1.7 | | | 119 |
| TOTAL | 19 | 0.2 | 370 | 3.7 | 730 | 7.3 | 2,650 | 26.6 | 2,707 | 27.2 | 2,138 | 21.5 | 1,110 | 11.1 | 222 | 2.2 | 10 | 0.1 | 9,956 |

TABLE 1.7B RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND NATIVE REGIONAL CORPORATION OF RESIDENCE, ALASKA, 1997

| N R C OF MOTHER'S RESIDENCE | AGE OF MOTHER | | | | | | | | | | | | | | | | | | TOTAL | |
|-----------------------------------|---------------|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-----|-----|-----|-------|-------|
| | <15 | | 15-17 | | 18-19 | | 20-24 | | 25-29 | | 30-34 | | 35-39 | | 40-44 | | 45+ | | | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | | |
| AHTNA INC | 1 | 2.7 | 1 | 2.7 | 2 | 5.4 | 12 | 32.4 | 9 | 24.3 | 7 | 18.9 | 4 | 10.8 | 1 | 2.7 | | | | 37 |
| ALEUT CORP. | | | 1 | 1.3 | 11 | 14.5 | 19 | 25.0 | 14 | 18.4 | 22 | 28.9 | 8 | 10.5 | 1 | 1.3 | | | | 76 |
| ARCTIC SLOPE CORP. | 1 | 0.7 | 8 | 5.3 | 22 | 14.6 | 37 | 24.5 | 34 | 22.5 | 33 | 21.9 | 13 | 8.6 | 3 | 2.0 | | | | 151 |
| BERING STRAITS CORP | 1 | 0.5 | 19 | 9.5 | 21 | 10.6 | 54 | 27.1 | 47 | 23.6 | 30 | 15.1 | 21 | 10.6 | 6 | 3.0 | | | | 199 |
| BRISTOL BAY CORP. | | | 10 | 6.5 | 19 | 12.3 | 29 | 18.7 | 31 | 20.0 | 41 | 26.5 | 24 | 15.5 | 1 | 0.6 | | | | 155 |
| CALISTA CORP. | 3 | 0.5 | 27 | 4.2 | 52 | 8.1 | 194 | 30.1 | 156 | 24.2 | 134 | 20.8 | 68 | 10.5 | 11 | 1.7 | | | | 645 |
| CHUGACH NATIVES INC | 1 | 0.7 | 1 | 0.7 | 8 | 5.4 | 39 | 26.5 | 39 | 26.5 | 34 | 23.1 | 20 | 13.6 | 4 | 2.7 | 1 | 0.7 | | 147 |
| COOK INLET REG CORP | 9 | 0.2 | 197 | 3.6 | 372 | 6.8 | 1,397 | 25.6 | 1,498 | 27.4 | 1,223 | 22.4 | 637 | 11.7 | 126 | 2.3 | 3 | 0.1 | | 5,462 |
| DOYON LTD | 3 | 0.2 | 43 | 2.6 | 115 | 6.9 | 541 | 32.3 | 487 | 29.1 | 286 | 17.1 | 166 | 9.9 | 30 | 1.8 | 2 | 0.1 | | 1,673 |
| KONIAG INC. | | | 8 | 3.0 | 21 | 8.0 | 61 | 23.1 | 69 | 26.1 | 70 | 26.5 | 26 | 9.8 | 9 | 3.4 | | | | 264 |
| NANA REGIONAL CORP. | | | 14 | 8.0 | 15 | 8.5 | 48 | 27.3 | 51 | 29.0 | 31 | 17.6 | 15 | 8.5 | 2 | 1.1 | | | | 176 |
| SEALASKA CORP. | | | 41 | 4.2 | 72 | 7.4 | 219 | 22.6 | 272 | 28.0 | 227 | 23.4 | 108 | 11.1 | 28 | 2.9 | 4 | 0.4 | | 971 |
| TOTAL | 19 | 0.2 | 370 | 3.7 | 730 | 7.3 | 2,650 | 26.6 | 2,707 | 27.2 | 2,138 | 21.5 | 1,110 | 11.1 | 222 | 2.2 | 10 | 0.1 | | 9,956 |

TABLE 1.8A RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND RACE, ALASKA, 1997

| RACE | AGE OF MOTHER | | | | | | | | | | | | | | | | | | TOTAL | |
|----------|---------------|-----|-------|-----|-------|-----|-------|------|-------|------|-------|------|-------|------|-------|-----|-----|-----|-------|-------|
| | <15 | | 15-17 | | 18-19 | | 20-24 | | 25-29 | | 30-34 | | 35-39 | | 40-44 | | 45+ | | | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | | |
| WHITE | 4 | 0.1 | 175 | 2.7 | 404 | 6.3 | 1,633 | 25.3 | 1,868 | 29.0 | 1,427 | 22.1 | 760 | 11.8 | 171 | 2.7 | 8 | 0.1 | | 6,450 |
| NATIVE | 12 | 0.5 | 148 | 6.2 | 232 | 9.7 | 718 | 30.0 | 548 | 22.9 | 475 | 19.8 | 230 | 9.6 | 32 | 1.3 | 2 | 0.1 | | 2,397 |
| BLACK | 3 | 0.7 | 27 | 5.9 | 41 | 9.0 | 159 | 34.9 | 109 | 24.0 | 74 | 16.3 | 38 | 8.4 | 4 | 0.9 | | | | 455 |
| ASIAN/PI | | | 15 | 2.9 | 43 | 8.4 | 105 | 20.5 | 138 | 27.0 | 135 | 26.4 | 64 | 12.5 | 11 | 2.2 | | | | 511 |
| UNKNOWN | | | 5 | 3.5 | 10 | 7.0 | 35 | 24.5 | 44 | 30.8 | 27 | 18.9 | 18 | 12.6 | 4 | 2.8 | | | | 143 |
| TOTAL | 19 | 0.2 | 370 | 3.7 | 730 | 7.3 | 2,650 | 26.6 | 2,707 | 27.2 | 2,138 | 21.5 | 1,110 | 11.1 | 222 | 2.2 | 10 | 0.1 | | 9,956 |

TABLE 1.8B RESIDENT BIRTHS BY MOTHER'S AGE AND NUMBER OF LIVING CHILDREN, ALASKA, 1997

| MOTHER'S AGE | NUMBER OF LIVING CHILDREN (NOT INCLUDING THIS BIRTH) | | | | | | | | TOTAL |
|-----------------|---|-------|-------|-------|-----|-----|-----|---|-------|
| | NONE | ONE | TWO | 3-4 | 5-9 | 10+ | UNK | | |
| <15 YRS | 19 | | | | | | | | 19 |
| 15-17 YRS | 343 | 27 | | | | | | | 370 |
| 18-19 YRS | 541 | 174 | 12 | 1 | | | | 2 | 730 |
| 20-24 YRS | 1,194 | 958 | 376 | 118 | 4 | | | | 2,650 |
| 25-29 YRS | 857 | 897 | 526 | 361 | 61 | | | 5 | 2,707 |
| 30-34 YRS | 531 | 631 | 456 | 386 | 129 | | | 5 | 2,138 |
| 35-39 YRS | 221 | 286 | 218 | 242 | 135 | 4 | 4 | | 1,110 |
| 40-44 YRS | 41 | 59 | 39 | 41 | 40 | 2 | | | 222 |
| 45+ YRS | 1 | 2 | 3 | 4 | | | | | 10 |
| TOTAL | 3,748 | 3,034 | 1,630 | 1,153 | 369 | 6 | 16 | | 9,956 |

MOTHER'S MARITAL STATUS

For the first time since at least 1977 when the percentage of births to unmarried mothers was 11.5 percent, the percentage of births to unmarried mothers declined: from 31.0 percent in 1996 to 30.6 percent in 1997. This compares to 32.4 percent of all births to unmarried mothers in the United States for both 1996 and 1997.⁷

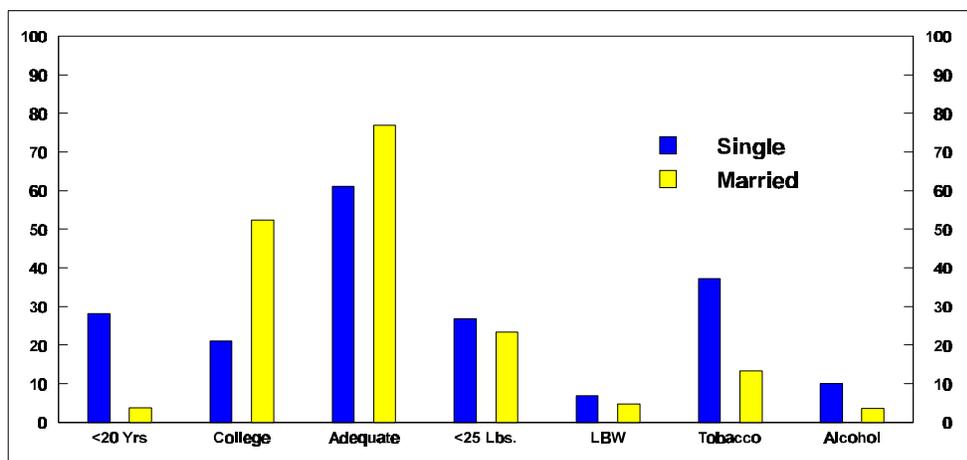
The mother’s marital status is used as an indicator of an infant’s support system. An infant’s support system consists of the immediate family, the extended family, and the community. Generally, the broader the support system, the more secure is the child’s physical, emotional, and financial status. The only information available on the birth certificate pertaining to a support structure is the mother’s marital status. We have no direct information pertaining to the commitment of the parents, the extended family, or the community to the well-being of the child; therefore we use the mother’s marital status as a proxy measure of the infant’s support system.

In 1960, 15 percent of births to U.S. mothers under the age of 20 were to single mothers.⁷ In 1997, 78.1 percent of births to U.S. mothers under the age of 20 were to single mothers.⁸ In Alaska, 76.6 percent of births to mothers under 20 were to single mothers.

Alaskan mothers in all age groups are more likely to be unmarried in 1997 than in 1980. In 1980, 42.0 percent of Alaska resident teen mothers (under 20 years of age) were single. In 1997, 76.6 percent of Alaska resident teen mothers were single. In 1997, 29.2 percent of Alaska resident mothers ages 20-29 were single, up from 12.2 percent in 1980. Data for mothers ages 30-39 shows that 5.7 percent were single in 1980 while 17.9 percent were single in 1997.

Chart 1.7 shows some alarming contrasts between single mothers and married mothers. In 1997, 28.2 percent of single mothers were under 20 years of age while only 3.8 percent of married mothers were under 20. Slightly over twenty-one percent of single mothers had some college education, while 52.4 percent of married mothers had some college education. Sixty-one percent of unmarried mothers from 1993-1997 had adequate prenatal care while 76.9 percent of married mothers received adequate prenatal care. From 1993-1997, 23.3 percent of married mothers gained less than the recommended 25 pounds during pregnancy, while 26.8 percent of single mothers gained less than 25 pounds. Single mothers were more likely to deliver low birth weight infants than married mothers (6.8 percent vs. 4.8 percent). Single mothers were much more likely to report using tobacco (37.3% vs. 13.3%) and alcohol (10.0% vs. 3.5%) during pregnancy. Since unmarried mothers tend to be younger, less educated, less likely to receive adequate prenatal care, more likely to have inadequate weight gain, more likely to deliver low birth weight infants, and more likely to use tobacco and alcohol, their babies are more likely to be physically and economically disadvantaged at birth.

CHART 1.7 CONTRASTS BETWEEN SINGLE MOTHERS AND MARRIED MOTHERS



7 National Center for Health Statistics, U.S. Department of Health and Human Services, “Report of Final Natality Statistics, 1995,” *Monthly Vital Statistics Report*, Vol. 45, No. 11(S), June 10, 1997, pp. 26 and 40.
 8 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 C, p. 4.

TABLE 1.9A RESIDENT BIRTHS BY THE MOTHER'S CENSUS AREA OF RESIDENCE, MARITAL STATUS, AND EDUCATION, ALASKA, 1997

| CENSUS AREA | MARITAL STATUS | | | | | | | | | | TOTAL | | | | | TOTAL |
|--------------|--------------------|-------|-------|-------|-----|--------------------|-------|-------|-----|-----|--------------------|-------|-------|-------|-----|-------|
| | MARRIED | | | | | SINGLE | | | | | TOTAL | | | | | |
| | YEARS OF EDUCATION | | | | | YEARS OF EDUCATION | | | | | YEARS OF EDUCATION | | | | | |
| | 0-11 | 12 | 13-15 | 16+ | UNK | 0-11 | 12 | 13-15 | 16+ | UNK | 0-11 | 12 | 13-15 | 16+ | UNK | |
| ALEUTN EAST | 1 | 5 | 2 | 1 | 2 | 1 | 14 | 3 | | | 2 | 19 | 5 | 1 | 2 | 29 |
| ALEUTN WEST | 2 | 13 | 13 | 5 | 4 | 2 | 6 | 2 | | | 4 | 19 | 15 | 5 | 4 | 47 |
| ANCHORAGE | 212 | 993 | 1,018 | 747 | 14 | 307 | 548 | 258 | 51 | 16 | 519 | 1,541 | 1,276 | 798 | 30 | 4,164 |
| ANG-HNH-SKG | 3 | 9 | 4 | 5 | 6 | 4 | 5 | 3 | | | 7 | 14 | 7 | 5 | 6 | 39 |
| BETHEL | 38 | 168 | 25 | 18 | 1 | 40 | 108 | 18 | | 3 | 78 | 276 | 43 | 18 | 4 | 419 |
| BRISTOL BAY | 1 | 8 | 5 | 4 | | 3 | 1 | 1 | | | 4 | 9 | 6 | 4 | | 23 |
| DENALI | | 6 | 3 | 8 | | 2 | 3 | 3 | | | 2 | 9 | 6 | 8 | | 25 |
| DILLINGHAM | 13 | 31 | 10 | 7 | | 8 | 24 | 7 | | 1 | 21 | 55 | 17 | 7 | 1 | 101 |
| FAIRBANKS | 85 | 438 | 366 | 242 | 6 | 71 | 126 | 71 | 12 | 7 | 156 | 564 | 437 | 254 | 13 | 1,424 |
| HAINES | 2 | 8 | 2 | | 6 | 1 | 4 | 1 | | 1 | 3 | 12 | 3 | | 7 | 25 |
| JUNEAU | 16 | 86 | 82 | 92 | 11 | 29 | 54 | 18 | 8 | 7 | 45 | 140 | 100 | 100 | 18 | 403 |
| KENAI PEN | 51 | 184 | 112 | 116 | 7 | 47 | 99 | 25 | 9 | 1 | 98 | 283 | 137 | 125 | 8 | 651 |
| KETCHIKAN | 12 | 50 | 33 | 28 | 3 | 20 | 33 | 9 | 3 | 4 | 32 | 83 | 42 | 31 | 7 | 195 |
| KODIAK | 15 | 79 | 66 | 38 | 1 | 23 | 35 | 5 | 1 | 1 | 38 | 114 | 71 | 39 | 2 | 264 |
| LAKE-PENIN | 3 | 9 | 6 | 4 | | 7 | 6 | 1 | | 1 | 10 | 15 | 7 | 4 | 1 | 37 |
| MAT-SU | 34 | 199 | 170 | 92 | 4 | 46 | 107 | 36 | 5 | 2 | 80 | 306 | 206 | 97 | 6 | 695 |
| NOME | 10 | 43 | 19 | 10 | 1 | 33 | 69 | 10 | 2 | 2 | 43 | 112 | 29 | 12 | 3 | 199 |
| NORTH SLOPE | 12 | 33 | 9 | 7 | | 34 | 41 | 9 | 5 | 1 | 46 | 74 | 18 | 12 | 1 | 151 |
| NW ARCTIC | 10 | 41 | 12 | 7 | 2 | 48 | 51 | 4 | 1 | | 58 | 92 | 16 | 8 | 2 | 176 |
| PRINCE-WALES | 6 | 35 | 11 | 8 | 2 | 10 | 13 | 6 | 1 | 1 | 16 | 48 | 17 | 9 | 3 | 93 |
| SITKA | 5 | 21 | 36 | 18 | 3 | 7 | 10 | 7 | 3 | | 12 | 31 | 43 | 21 | 3 | 110 |
| SE FAIRBANKS | 10 | 32 | 21 | 18 | 1 | 7 | 12 | 3 | 1 | | 17 | 44 | 24 | 19 | 1 | 105 |
| VALDEZ-CORDV | 7 | 29 | 25 | 27 | 1 | 12 | 15 | 10 | 4 | | 19 | 44 | 35 | 31 | 1 | 130 |
| WADE HAMPTON | 16 | 67 | 10 | 6 | 1 | 44 | 73 | 8 | | 1 | 60 | 140 | 18 | 6 | 2 | 226 |
| WRANGELL-PBG | 4 | 24 | 14 | 16 | 8 | 10 | 14 | 6 | 1 | 2 | 14 | 38 | 20 | 17 | 10 | 99 |
| YAKUTAT | 1 | 1 | | 2 | | | 2 | 1 | | | 1 | 3 | 1 | 2 | | 7 |
| YUKON-KOY | 6 | 17 | 9 | 14 | 1 | 18 | 37 | 13 | 3 | 1 | 24 | 54 | 22 | 17 | 2 | 119 |
| TOTAL | 575 | 2,629 | 2,083 | 1,540 | 85 | 834 | 1,510 | 538 | 110 | 52 | 1,409 | 4,139 | 2,621 | 1,650 | 137 | 9,956 |

TABLE 1.9B RESIDENT BIRTHS BY THE MOTHER'S NATIVE REGIONAL CORPORATION OF RESIDENCE, MARITAL STATUS, AND EDUCATION, ALASKA, 1997

| NATIVE REGIONAL CORPORATION | MARITAL STATUS | | | | | | | | | | TOTAL | | | | | TOTAL |
|-----------------------------|--------------------|-------|-------|-------|-----|--------------------|-------|-------|-----|-----|--------------------|-------|-------|-------|-----|-------|
| | MARRIED | | | | | SINGLE | | | | | TOTAL | | | | | |
| | YEARS OF EDUCATION | | | | | YEARS OF EDUCATION | | | | | YEARS OF EDUCATION | | | | | |
| | 0-11 | 12 | 13-15 | 16+ | UNK | 0-11 | 12 | 13-15 | 16+ | UNK | 0-11 | 12 | 13-15 | 16+ | UNK | |
| AHTNA INC | 3 | 7 | 7 | 6 | | 6 | 4 | 3 | 1 | | 9 | 11 | 10 | 7 | | 37 |
| ALEUT CORP | 3 | 18 | 15 | 6 | 6 | 3 | 20 | 5 | | | 6 | 38 | 20 | 6 | 6 | 76 |
| ARCTIC SLO | 12 | 33 | 9 | 7 | | 34 | 41 | 9 | 5 | 1 | 46 | 74 | 18 | 12 | 1 | 151 |
| BERING STS | 10 | 43 | 19 | 10 | 1 | 33 | 69 | 10 | 2 | 2 | 43 | 112 | 29 | 12 | 3 | 199 |
| BRISTOL BY | 17 | 47 | 18 | 13 | | 18 | 31 | 9 | | 2 | 35 | 78 | 27 | 13 | 2 | 155 |
| CALISTA CP | 54 | 235 | 35 | 24 | 2 | 84 | 181 | 26 | | 4 | 138 | 416 | 61 | 24 | 6 | 645 |
| CHUGACH | 8 | 38 | 25 | 28 | 2 | 7 | 26 | 8 | 4 | 1 | 15 | 64 | 33 | 32 | 3 | 147 |
| COOK INLET | 293 | 1,361 | 1,296 | 950 | 24 | 399 | 739 | 318 | 64 | 18 | 692 | 2,100 | 1,614 | 1,014 | 42 | 5,462 |
| DOYON LTD | 101 | 493 | 399 | 282 | 8 | 98 | 178 | 90 | 16 | 8 | 199 | 671 | 489 | 298 | 16 | 1,673 |
| KONIAG INC | 15 | 79 | 66 | 38 | 1 | 23 | 35 | 5 | 1 | 1 | 38 | 114 | 71 | 39 | 2 | 264 |
| NANA CORP | 10 | 41 | 12 | 7 | 2 | 48 | 51 | 4 | 1 | | 58 | 92 | 16 | 8 | 2 | 176 |
| SEALASKA | 49 | 234 | 182 | 169 | 39 | 81 | 135 | 51 | 16 | 15 | 130 | 369 | 233 | 185 | 54 | 971 |
| TOTAL | 575 | 2,629 | 2,083 | 1,540 | 85 | 834 | 1,510 | 538 | 110 | 52 | 1,409 | 4,139 | 2,621 | 1,650 | 137 | 9,956 |

TABLE 1.10 RESIDENT BIRTHS BY THE MOTHER'S RACE, MARITAL STATUS, AND EDUCATION, ALASKA, 1997

| MOTHER'S RACE | MARITAL STATUS | | | | | | | | | | TOTAL | | | | | TOTAL |
|---------------|--------------------|-------|-------|-------|-----|--------------------|-------|-------|-----|-----|--------------------|-------|-------|-------|-----|-------|
| | MARRIED | | | | | SINGLE | | | | | TOTAL | | | | | |
| | YEARS OF EDUCATION | | | | | YEARS OF EDUCATION | | | | | YEARS OF EDUCATION | | | | | |
| | 0-11 | 12 | 13-15 | 16+ | UNK | 0-11 | 12 | 13-15 | 16+ | UNK | 0-11 | 12 | 13-15 | 16+ | UNK | |
| WHITE | 318 | 1,725 | 1,642 | 1,344 | 54 | 306 | 645 | 312 | 85 | 19 | 624 | 2,370 | 1,954 | 1,429 | 73 | 6,450 |
| NATIVE | 200 | 623 | 195 | 70 | 11 | 421 | 688 | 147 | 18 | 24 | 621 | 1,311 | 342 | 88 | 35 | 2,397 |
| BLACK | 9 | 110 | 113 | 34 | 1 | 47 | 96 | 42 | 2 | 1 | 56 | 206 | 155 | 36 | 2 | 455 |
| ASIAN/PI | 40 | 138 | 109 | 80 | 5 | 39 | 67 | 29 | 2 | 2 | 79 | 205 | 138 | 82 | 7 | 511 |
| UNKNOWN | 8 | 33 | 24 | 12 | 14 | 21 | 14 | 8 | 3 | 6 | 29 | 47 | 32 | 15 | 20 | 143 |
| TOTAL | 575 | 2,629 | 2,083 | 1,540 | 85 | 834 | 1,510 | 538 | 110 | 52 | 1,409 | 4,139 | 2,621 | 1,650 | 137 | 9,956 |

TABLE 1.11 RESIDENT BIRTHS BY THE MOTHER'S AGE, MARITAL STATUS, AND EDUCATION, ALASKA, 1997

| MOTHER'S AGE | MARITAL STATUS | | | | | | | | | | | TOTAL | | | | | TOTAL | | |
|--------------|--------------------|-------|-------|-------|-----|-------|--------------------|-------|-------|-----|-----|--------------------|-------|-------|-------|-------|-------|-------|-----|
| | MARRIED | | | | | | SINGLE | | | | | TOTAL | | | | | | | |
| | YEARS OF EDUCATION | | | | | | YEARS OF EDUCATION | | | | | YEARS OF EDUCATION | | | | | | | |
| | 0-11 | 12 | 13-15 | 16+ | UNK | TTL | 0-11 | 12 | 13-15 | 16+ | UNK | TTL | 0-11 | 12 | 13-15 | 16+ | | UNK | |
| <15 YRS | | | | | | 19 | | | | | 19 | 19 | | | | | | 19 | |
| 15-17 YRS | 31 | 11 | | | | 42 | 259 | 63 | 2 | | 4 | 328 | 290 | 74 | 2 | | | 4 | 370 |
| 18-19 YRS | 60 | 137 | 23 | | | 220 | 149 | 309 | 42 | | 10 | 510 | 209 | 446 | 65 | | | 10 | 730 |
| 20-24 YRS | 206 | 841 | 483 | 79 | 12 | 1,621 | 215 | 576 | 215 | 13 | 10 | 1,029 | 421 | 1,417 | 698 | 92 | 22 | 2,650 | |
| 25-29 YRS | 122 | 798 | 726 | 498 | 30 | 2,174 | 100 | 277 | 109 | 34 | 13 | 533 | 222 | 1,075 | 835 | 532 | 43 | 2,707 | |
| 30-34 YRS | 101 | 525 | 513 | 579 | 25 | 1,743 | 65 | 186 | 104 | 29 | 11 | 395 | 166 | 711 | 617 | 608 | 36 | 2,138 | |
| 35-39 YRS | 43 | 276 | 267 | 323 | 16 | 925 | 22 | 84 | 53 | 23 | 3 | 185 | 65 | 360 | 320 | 346 | 19 | 1,110 | |
| 40-44 YRS | 11 | 39 | 69 | 59 | 2 | 180 | 5 | 14 | 12 | 10 | 1 | 42 | 16 | 53 | 81 | 69 | 3 | 222 | |
| 45+ YRS | 1 | 2 | 2 | 2 | | 7 | | 1 | 1 | 1 | | 3 | 1 | 3 | 3 | 3 | | 10 | |
| TOTAL | 575 | 2,629 | 2,083 | 1,540 | 85 | 6,912 | 834 | 1,510 | 538 | 110 | 52 | 3,044 | 1,409 | 4,139 | 2,621 | 1,650 | 137 | 9,956 | |

AGES OF MOTHERS AND FATHERS

In 1997 there were 262 infants born to married teenage mothers and 92 infants born to mothers married to teenage fathers. Forty-two infants were born to married mothers under the age of 18 and five infants were born to mothers married to fathers under the age of 18. Almost forty-four percent of all married fathers and 54.9 percent of all married mothers were ages 20-29. Women from ages 30-39 accounted for 38.6 percent of all married mothers, and 43.0 percent of all married fathers were from 30-39 years of age. Only 2.7 percent of married mothers were 40 or over, while 11.5 percent of married fathers were 40 or over.

In Alaska in 1997, there were 133 mothers who were less than 16 years of age at the time of conception. The ages of 74 of these fathers is unknown. Of the 59 fathers whose age is known, 35 were at least 16 years of age and from 3 to 13 years older than the mother. When men in their twenties are impregnating girls under 16 years of age, it is obvious that part of the responsibility for teen pregnancy lies with adults.

Table 1.12 shows mothers' and fathers' ages for married mothers in 1997.

TABLE 1.12 RESIDENT BIRTHS TO MARRIED MOTHERS BY THE MOTHER'S AGE AND FATHER'S AGE, ALASKA, 1997

| MOTHER'S AGE | FATHER'S AGE | | | | | | | | | TOTAL |
|--------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-------|-------|
| | 15-17 YRS | 18-19 YRS | 20-24 YRS | 25-29 YRS | 30-34 YRS | 35-39 YRS | 40-44 YRS | 45+ YRS | UNKWN | |
| 15-17 YRS | 2 | 16 | 20 | 4 | | | | | | 42 |
| 18-19 YRS | 3 | 40 | 141 | 20 | 12 | 2 | 1 | 1 | | 220 |
| 20-24 YRS | | 28 | 743 | 615 | 169 | 37 | 16 | 10 | 3 | 1,621 |
| 25-29 YRS | | 2 | 144 | 1,071 | 666 | 209 | 57 | 18 | 7 | 2,174 |
| 30-34 YRS | | 1 | 22 | 203 | 791 | 490 | 164 | 68 | 4 | 1,743 |
| 35-39 YRS | | | 4 | 43 | 148 | 401 | 242 | 86 | 1 | 925 |
| 40-44 YRS | | | 1 | 6 | 13 | 32 | 72 | 56 | | 180 |
| 45+ YRS | | | | | | 1 | 4 | 2 | | 7 |
| TOTAL | 5 | 87 | 1,075 | 1,962 | 1,799 | 1,172 | 556 | 241 | 15 | 6,912 |

PRENATAL CARE

Prenatal care is defined as pregnancy-related health care services provided to women between conception and delivery. This care includes monitoring health, encouraging good health habits, and providing information and social and psychological support. The Alaska Bureau of Vital Statistics uses the Kessner Index⁷ to evaluate levels of prenatal care. This index is described in Appendix D. In 1997, 67.8 percent of all infants born to Alaska resident mothers received adequate prenatal care, compared to 69.7 percent in 1996.

Another measure of adequacy of prenatal care is the percentage of mothers who receive care within the first trimester of their pregnancy. One of the Year 2000 Health Objectives (see Appendix F) is that 90% of pregnant women receive care within the first trimester. In 1994, 83.8% of women received care within the first trimester; in 1995, that figure dropped to 82.5%; in 1996, 79.9 percent of women received prenatal care within the first trimester; and in 1997, only 79.3 percent of women received prenatal care within the first trimester.

In general, infants whose mothers were Native or less than 20 years old received lower levels of prenatal care than other infants. (See Tables 1.14 and 1.15.)

⁷ Kessner, D. "Infant Death: An Analysis by Maternal Risk and Health Care." Institute of Medicine, *Contrasts in Health Status, Volume 1*, 1973. National Academy of Sciences, Washington, DC, pp. 58-60.

TABLE 1.13A PRENATAL CARE BY CENSUS AREA OF MOTHER'S RESIDENCE, ALASKA, 1997

| CENSUS AREA | PRENATAL CARE | | | | | | TOTAL |
|--------------|---------------|------|--------------|------|------------|------|-------|
| | ADEQUATE | | INTERMEDIATE | | INADEQUATE | | |
| | BIRTHS | PCT | BIRTHS | PCT | BIRTHS | PCT | |
| ALEUTN EAST | 22 | 75.9 | 5 | 17.2 | 2 | 6.9 | 29 |
| ALEUTN WEST | 32 | 68.1 | 10 | 21.3 | 5 | 10.6 | 47 |
| ANCHORAGE | 3,287 | 78.9 | 663 | 15.9 | 214 | 5.1 | 4,164 |
| ANG-HNH-SKG | 15 | 38.5 | 8 | 20.5 | 16 | 41.0 | 39 |
| BETHEL | 189 | 45.1 | 154 | 36.8 | 76 | 18.1 | 419 |
| BRISTOL BAY | 13 | 56.5 | 8 | 34.8 | 2 | 8.7 | 23 |
| DENALI | 11 | 44.0 | 9 | 36.0 | 5 | 20.0 | 25 |
| DILLINGHAM | 65 | 64.4 | 23 | 22.8 | 13 | 12.9 | 101 |
| FAIRBANKS | 945 | 66.4 | 323 | 22.7 | 156 | 11.0 | 1,424 |
| HAINES | 7 | 28.0 | 6 | 24.0 | 12 | 48.0 | 25 |
| JUNEAU | 263 | 65.3 | 111 | 27.5 | 29 | 7.2 | 403 |
| KENAI PEN | 432 | 66.4 | 154 | 23.7 | 65 | 10.0 | 651 |
| KETCHIKAN | 140 | 71.8 | 46 | 23.6 | 9 | 4.6 | 195 |
| KODIAK | 163 | 61.7 | 72 | 27.3 | 29 | 11.0 | 264 |
| LAKE-PENIN | 18 | 48.6 | 16 | 43.2 | 3 | 8.1 | 37 |
| MAT-SU | 443 | 63.7 | 205 | 29.5 | 47 | 6.8 | 695 |
| NOME | 108 | 54.3 | 66 | 33.2 | 25 | 12.6 | 199 |
| NORTH SLOPE | 65 | 43.0 | 62 | 41.1 | 24 | 15.9 | 151 |
| NW ARCTIC | 101 | 57.4 | 52 | 29.5 | 23 | 13.1 | 176 |
| PRINCE-WALES | 53 | 57.0 | 33 | 35.5 | 7 | 7.5 | 93 |
| SITKA | 79 | 71.8 | 21 | 19.1 | 10 | 9.1 | 110 |
| SE FAIRBANKS | 39 | 37.1 | 30 | 28.6 | 36 | 34.3 | 105 |
| VALDEZ-CORDV | 78 | 60.0 | 34 | 26.2 | 18 | 13.8 | 130 |
| WADE HAMPTON | 71 | 31.4 | 91 | 40.3 | 64 | 28.3 | 226 |
| WRANGELL-PBG | 57 | 57.6 | 32 | 32.3 | 10 | 10.1 | 99 |
| YAKUTAT | 4 | 57.1 | 3 | 42.9 | | | 7 |
| YUKON-KOY | 47 | 39.5 | 46 | 38.7 | 26 | 21.8 | 119 |
| TOTAL | 6,747 | 67.8 | 2,283 | 22.9 | 926 | 9.3 | 9,956 |

TABLE 1.13B PRENATAL CARE BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE, ALASKA, 1997

| NATIVE REGIONAL CORPORATION | PRENATAL CARE | | | | | | TOTAL |
|-----------------------------|---------------|------|--------------|------|------------|------|-------|
| | ADEQUATE | | INTERMEDIATE | | INADEQUATE | | |
| | BIRTHS | PCT | BIRTHS | PCT | BIRTHS | PCT | |
| AHTNA INC | 20 | 54.1 | 8 | 21.6 | 9 | 24.3 | 37 |
| ALEUT CORP | 54 | 71.1 | 15 | 19.7 | 7 | 9.2 | 76 |
| ARCTIC SLO | 65 | 43.0 | 62 | 41.1 | 24 | 15.9 | 151 |
| BERING STS | 108 | 54.3 | 66 | 33.2 | 25 | 12.6 | 199 |
| BRISTOL BY | 94 | 60.6 | 43 | 27.7 | 18 | 11.6 | 155 |
| CALISTA CP | 260 | 40.3 | 245 | 38.0 | 140 | 21.7 | 645 |
| CHUGACH | 85 | 57.8 | 48 | 32.7 | 14 | 9.5 | 147 |
| COOK INLET | 4,137 | 75.7 | 1,004 | 18.4 | 321 | 5.9 | 5,462 |
| DOYON LTD | 1,042 | 62.3 | 408 | 24.4 | 223 | 13.3 | 1,673 |
| KONIAG INC | 163 | 61.7 | 72 | 27.3 | 29 | 11.0 | 264 |
| NANA CORP | 101 | 57.4 | 52 | 29.5 | 23 | 13.1 | 176 |
| SEALASKA | 618 | 63.6 | 260 | 26.8 | 93 | 9.6 | 971 |
| TOTAL | 6,747 | 67.8 | 2,283 | 22.9 | 926 | 9.3 | 9,956 |

TABLE 1.14 PRENATAL CARE BY RACE OF MOTHER, ALASKA, 1997

| MOTHER'S RACE | PRENATAL CARE | | | | | | TOTAL |
|---------------|---------------|------|--------------|------|------------|------|-------|
| | ADEQUATE | | INTERMEDIATE | | INADEQUATE | | |
| | BIRTHS | PCT | BIRTHS | PCT | BIRTHS | PCT | |
| WHITE | 4,772 | 74.0 | 1,237 | 19.2 | 441 | 6.8 | 6,450 |
| NATIVE | 1,260 | 52.6 | 773 | 32.2 | 364 | 15.2 | 2,397 |
| BLACK | 328 | 72.1 | 88 | 19.3 | 39 | 8.6 | 455 |
| ASIAN/PI | 299 | 58.5 | 155 | 30.3 | 57 | 11.2 | 511 |
| UNKNOWN | 88 | 61.5 | 30 | 21.0 | 25 | 17.5 | 143 |
| TOTAL | 6,747 | 67.8 | 2,283 | 22.9 | 926 | 9.3 | 9,956 |

TABLE 1.15 PRENATAL CARE BY AGE OF MOTHER, ALASKA, 1997

| MOTHER'S AGE | PRENATAL CARE | | | | | | TOTAL |
|--------------|---------------|------|--------------|------|------------|------|-------|
| | ADEQUATE | | INTERMEDIATE | | INADEQUATE | | |
| | BIRTHS | PCT | BIRTHS | PCT | BIRTHS | PCT | |
| <15 YRS | 8 | 42.1 | 6 | 31.6 | 5 | 26.3 | 19 |
| 15-17 YRS | 179 | 48.4 | 130 | 35.1 | 61 | 16.5 | 370 |
| 18-19 YRS | 438 | 60.0 | 206 | 28.2 | 86 | 11.8 | 730 |
| 20-24 YRS | 1,734 | 65.4 | 682 | 25.7 | 234 | 8.8 | 2,650 |
| 25-29 YRS | 1,913 | 70.7 | 566 | 20.9 | 228 | 8.4 | 2,707 |
| 30-34 YRS | 1,549 | 72.5 | 405 | 18.9 | 184 | 8.6 | 2,138 |
| 35-39 YRS | 776 | 69.9 | 230 | 20.7 | 104 | 9.4 | 1,110 |
| 40-44 YRS | 142 | 64.0 | 57 | 25.7 | 23 | 10.4 | 222 |
| 45+ YRS | 8 | 80.0 | 1 | 10.0 | 1 | 10.0 | 10 |
| TOTAL | 6,747 | 67.8 | 2,283 | 22.9 | 926 | 9.3 | 9,956 |

BIRTHS BY FACILITY, METHOD, AND ATTENDANT

In 1997, 82.6 percent of babies were delivered vaginally and 16.9 percent by cesarean-section. The U.S. cesarean delivery rate was 20.8 percent in 1997.⁸ Some remote or small hospitals had no c-section births; nor were there any c-section births at home or at birthing centers or clinics. At hospitals which did some c-section births, the rate varied widely, from a low of 2.7% at Yukon-Kuskokwim to a high of 30.2% at Sitka Community Hospital.

The overwhelming majority of babies delivered at hospitals were delivered by medical doctors (82.1%); however, several hospitals had a significant percentage of births attended by certified nurse midwives and doctors of osteopathy. At South Peninsula Hospital in Homer, 66.7 percent of infants were delivered by Certified Nurse Midwives (CNM); at Elmendorf Air Force Base in Anchorage, 46.2 percent of infants were delivered by CNM; at Bassett Army Hospital at Fort Wainwright in Fairbanks, 40.1 percent of infants were delivered by CNM; at Central Peninsula Hospital in Soldotna, 24.7 percent of infants were delivered by CNM; and at Alaska Native Medical Center in Anchorage, 23.8 percent of infants were delivered by CNM. Doctors of Osteopathy (DO) delivered 31.9 percent of infants at Valley Hospital in Palmer and 30.1 percent of infants at Kodiak Hospital.

A study from the National Center for Health Statistics (NCHS) published in the May 1998 issue of the *Journal of Epidemiology and Community Health*, shows excellent birth outcomes for deliveries attended by certified nurse midwives, including lower neonatal mortality and lower low birth weight rates than for physician-attended births.⁸ The study notes differences in the approach to patient care between certified nurse midwives and physicians, including a greater emphasis on patient counseling and education during prenatal care, and a more personalized approach and constant attendance during labor and delivery.

Births at home and in birthing centers and clinics accounted for 4.0 percent of all Alaska births. Some of these births were in urban areas where hospitals are available; others took place in rural villages where clinics are the only medical facilities.

⁸ MacDorman, Marian F. and Singh, Gopal K., "Midwifery Care, Social and Medical Risk Factors, and Birth Outcomes in the USA," *Journal of Epidemiology and Community Health*, May, 1998, pp. 310-317.

TABLE 1.16A RESIDENT BIRTHS BY BIRTH METHOD AND FACILITY, ALASKA, 1997

| FACILITY | METHOD | | | | | | TOTAL |
|------------------------|---------|-------|-----------|------|---------|------|-------|
| | VAGINAL | | C-SECTION | | UNKNOWN | | |
| | No. | % | No. | % | No. | % | |
| PROVIDENCE | 2,047 | 76.1 | 629 | 23.4 | 15 | 0.6 | 2,691 |
| FAIRBANKS | 777 | 80.3 | 191 | 19.7 | | | 968 |
| AK NATIVE MED CTR | 868 | 89.9 | 96 | 9.9 | 1 | 0.1 | 965 |
| ALASKA REGIONAL | 517 | 74.8 | 173 | 25.0 | 1 | 0.1 | 691 |
| ELMENDORF | 557 | 82.8 | 115 | 17.1 | 1 | 0.1 | 673 |
| BASSETT | 505 | 85.0 | 84 | 14.1 | 5 | 0.8 | 594 |
| CENTRAL PENINSULA | 356 | 87.0 | 53 | 13.0 | | | 409 |
| YUKON-KUSKOKWIM | 397 | 97.3 | 11 | 2.7 | | | 408 |
| VALLEY | 312 | 80.2 | 77 | 19.8 | | | 389 |
| BARTLETT | 290 | 75.7 | 93 | 24.3 | | | 383 |
| KETCHIKAN | 237 | 83.7 | 46 | 16.3 | | | 283 |
| KODIAK | 204 | 86.4 | 32 | 13.6 | | | 236 |
| CLINIC/BIRTHING CENTER | 224 | 100.0 | | | | | 224 |
| HOME | 173 | 99.4 | | | 1 | 0.6 | 174 |
| SOUTH PENINSULA | 124 | 84.4 | 23 | 15.6 | | | 147 |
| OUT OF STATE | 84 | 65.1 | 25 | 19.4 | 20 | 15.5 | 129 |
| NORTON SOUND | 120 | 99.2 | | | 1 | 0.8 | 121 |
| MANILAQ | 110 | 100.0 | | | | | 110 |
| SEARHC MT EDGE CUMBE | 67 | 83.8 | 11 | 13.8 | 2 | 2.5 | 80 |
| PHS KANAKANAK | 69 | 100.0 | | | | | 69 |
| PHS BARROW | 66 | 100.0 | | | | | 66 |
| SITKA | 44 | 69.8 | 19 | 30.2 | | | 63 |
| VALDEZ | 37 | 94.9 | 2 | 5.1 | | | 39 |
| WRANGELL | 17 | 89.5 | 2 | 10.5 | | | 19 |
| PETERSBURG | 17 | 94.4 | 1 | 5.6 | | | 18 |
| CORDOVA | 4 | 100.0 | | | | | 4 |
| OTHER | 3 | 100.0 | | | | | 3 |
| TOTAL | 8,226 | 82.6 | 1,683 | 16.9 | 47 | 0.5 | 9,956 |

TABLE 1.16B RESIDENT BIRTHS BY BIRTH ATTENDANT AND FACILITY,
ALASKA, 1997

| FACILITY | ATTENDANT | | | | | | | | | | TOTAL |
|------------------------|----------------|-------|--------------------|------|---------------------------|------|---------|------|-------------|------|-------|
| | MEDICAL DOCTOR | | CERT NURSE MIDWIFE | | DOCTOR OF OSTEOPATHY (DO) | | MIDWIFE | | OTHER/ UNKN | | |
| | No | % | No | % | No | % | No | % | No | % | |
| PROVIDENCE | 2,427 | 90.2 | 250 | 9.3 | 13 | 0.5 | | | 1 | 0.0 | 2,691 |
| FAIRBANKS | 959 | 99.1 | | | | | | | 9 | 0.9 | 968 |
| AK NATIVE MED CTR | 735 | 76.2 | 230 | 23.8 | | | | | | | 965 |
| ALASKA REGIONAL | 609 | 88.1 | 82 | 11.9 | | | | | | | 691 |
| ELMENDORF | 362 | 53.8 | 311 | 46.2 | | | | | | | 673 |
| BASSETT | 337 | 56.7 | 238 | 40.1 | 19 | 3.2 | | | | | 594 |
| CENTRAL PENINSULA | 297 | 72.6 | 101 | 24.7 | 11 | 2.7 | | | | | 409 |
| YUKON-KUSKOKWIM | 338 | 82.8 | 58 | 14.2 | | | | | 12 | 2.9 | 408 |
| VALLEY | 264 | 67.9 | | | 124 | 31.9 | | | 1 | 0.3 | 389 |
| BARTLETT | 383 | 100.0 | | | | | | | | | 383 |
| KETCHIKAN | 275 | 97.2 | | | 7 | 2.5 | | | 1 | 0.4 | 283 |
| KODIAK | 164 | 69.5 | | | 71 | 30.1 | | | 1 | 0.4 | 236 |
| CLINIC/BIRTHING CENTER | 32 | 14.3 | 59 | 26.3 | | | 98 | 43.8 | 35 | 15.6 | 224 |
| HOME | 3 | 1.7 | 11 | 6.3 | | | 116 | 66.7 | 44 | 25.3 | 174 |
| SOUTH PENINSULA | 49 | 33.3 | 98 | 66.7 | | | | | | | 147 |
| OUT OF STATE | 50 | 38.8 | 8 | 6.2 | 2 | 1.6 | | | 69 | 53.5 | 129 |
| NORTON SOUND | 103 | 85.1 | | | 14 | 11.6 | 3 | 2.5 | 1 | 0.8 | 121 |
| MANIILAQ | 94 | 85.5 | 5 | 4.5 | 11 | 10.0 | | | | | 110 |
| SEARHC MT EDGE CUMBE | 80 | 100.0 | | | | | | | | | 80 |
| PHS KANAKANAK | 63 | 91.3 | 1 | 1.4 | 5 | 7.2 | | | | | 69 |
| PHS BARROW | 66 | 100.0 | | | | | | | | | 66 |
| SITKA | 63 | 100.0 | | | | | | | | | 63 |
| VALDEZ | 39 | 100.0 | | | | | | | | | 39 |
| WRANGELL | 19 | 100.0 | | | | | | | | | 19 |
| PETERSBURG | 11 | 61.1 | | | 7 | 38.9 | | | | | 18 |
| CORDOVA | 4 | 100.0 | | | | | | | | | 4 |
| OTHER | 1 | 33.3 | | | | | | | 2 | 66.7 | 3 |
| TOTAL | 7,827 | 78.6 | 1,452 | 14.6 | 284 | 2.9 | 217 | 2.2 | 176 | 1.8 | 9,956 |

TABLE 1.17A RESIDENT BIRTHS BY CENSUS AREA OF OCCURRENCE AND BIRTH FACILITY, ALASKA, 1997

| CENSUS AREA WHERE BIRTH OCCURRED | PLACE OF BIRTH | | | | TOTAL |
|-------------------------------------|----------------|-------------------------------|------|-----------------|-------|
| | HOSPITAL | BIRTHING CENTER/ CLINIC | HOME | OUT OF STATE | |
| ALEUTIANS WEST | | | 1 | | 1 |
| ANCHORAGE | 5,020 | 51 | 67 | | 5,138 |
| ANGOON-HOONAH-SKG | | 1 | | | 1 |
| BETHEL | 408 | 7 | | | 416 |
| DENALI | | | 1 | | 1 |
| DILLINGHAM | 69 | 3 | | | 72 |
| FAIRBANKS NSB | 1,562 | 51 | 14 | | 1,627 |
| HAINES BOROUGH | | | 1 | | 1 |
| JUNEAU BOROUGH | 383 | | 16 | | 399 |
| KENAI PENINSULA | 556 | 2 | 19 | | 577 |
| KETCHIKAN | 283 | | 3 | | 286 |
| KODIAK ISLAND | 236 | 9 | 1 | | 247 |
| MATANUSKA-SUSITNA | 389 | 71 | 18 | | 478 |
| NOME | 121 | 2 | | | 123 |
| NORTH SLOPE | 66 | 3 | | | 69 |
| NORTHWEST ARCTIC | 110 | 3 | | | 114 |
| PRINCE OF WALES | | 1 | 2 | | 3 |
| SITKA BOROUGH | 143 | | 5 | | 148 |
| SE FAIRBANKS | | 3 | 16 | | 19 |
| VALDEZ-CORDOVA | 43 | 2 | 6 | | 51 |
| WADE HAMPTON | | 13 | | | 13 |
| WRANGELL-PETERSBG | 37 | | 3 | | 40 |
| YUKON-KOYUKUK | | 2 | 1 | | 3 |
| OUTSIDE ALASKA | | | | 129 | 129 |
| TOTAL | 9,426 | 224 | 174 | 129 | 9,956 |

TABLE 1.17B RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF OCCURRENCE AND BIRTH FACILITY, ALASKA, 1997

| NATIVE REGIONAL CORPORATION WHERE BIRTH OCCURRED | PLACE OF BIRTH | | | | | TOTAL |
|--|----------------|-------------------------|------------|--------------|-------------|--------------|
| | HOSPITAL | BIRTHING CENTER/ CLINIC | HOME | OUT OF STATE | OTHER/ UNKN | |
| AHTNA INC. | | 2 | 4 | | | 6 |
| ALEUT CORP. | | | 1 | | | 1 |
| ARCTIC SLOPE CORP. | 66 | 3 | | | | 69 |
| BERING STRAITS CORP. | 121 | 2 | | | | 123 |
| BRISTOL BAY CORP. | 69 | 3 | | | | 72 |
| CALISTA CORP | 408 | 20 | | | 1 | 429 |
| CHUGACH NATIVES INC. | 43 | | 2 | | | 45 |
| COOK INLET REG CORP. | 5,965 | 124 | 104 | | | 6,193 |
| DOYON LTD. | 1,562 | 56 | 32 | | | 1,650 |
| KONIAG INC. | 236 | 9 | 1 | | 1 | 247 |
| NANA REGIONAL CORP. | 110 | 3 | | | 1 | 114 |
| SEALASKA CORP. | 846 | 2 | 30 | | | 878 |
| OUTSIDE ALASKA | | | | 129 | | 129 |
| TOTAL | 9,426 | 224 | 174 | 129 | 3 | 9,956 |

TABLE 1.18 RESIDENT BIRTHS BY MOTHER'S RACE AND BIRTH FACILITY, ALASKA, 1997

| RACE OF MOTHER | PLACE OF BIRTH | | | | | TOTAL |
|----------------|----------------|-------------------------|------------|--------------|-------------|--------------|
| | HOSPITAL | BIRTHING CENTER/ CLINIC | HOME | OUT OF STATE | OTHER/ UNKN | |
| WHITE | 6,020 | 170 | 160 | 100 | | 6,450 |
| NATIVE | 2,338 | 41 | 7 | 8 | 3 | 2,397 |
| BLACK | 446 | 5 | 3 | 1 | | 455 |
| ASIAN/PI | 492 | 8 | 4 | 7 | | 511 |
| UNKNOWN | 130 | | | 13 | | 143 |
| TOTAL | 9,426 | 224 | 174 | 129 | 3 | 9,956 |

TABLE 1.19 RESIDENT BIRTHS BY MOTHER'S EDUCATION AND BIRTH FACILITY, ALASKA, 1997

| MOTHER'S EDUCATION | PLACE OF BIRTH | | | | | TOTAL |
|--------------------|----------------|-------------------------|------------|--------------|-------------|--------------|
| | HOSPITAL | BIRTHING CENTER/ CLINIC | HOME | OUT OF STATE | OTHER/ UNKN | |
| 0-11 | 1,361 | 18 | 25 | 3 | 2 | 1,409 |
| 12 | 3,985 | 87 | 48 | 18 | 1 | 4,139 |
| 13-15 | 2,477 | 76 | 48 | 20 | | 2,621 |
| 16+ | 1,534 | 41 | 52 | 23 | | 1,650 |
| UNK | 69 | 2 | 1 | 65 | | 137 |
| TOTAL | 9,426 | 224 | 174 | 129 | 3 | 9,956 |

TABLE 1.20A RESIDENT BIRTHS BY CENSUS AREA OF OCCURRENCE AND BY BIRTH ATTENDANT TYPE, ALASKA, 1997

| CENSUS AREA WHERE BIRTH OCCURRED | ATTENDANT TYPE | | | | | TOTAL |
|----------------------------------|----------------|----------------------|-------------------------|---------|----------------|-------|
| | MEDICAL DOCTOR | DOCTOR OF OSTEOPATHY | CERTIFIED NURSE MIDWIFE | MIDWIFE | OTHER/ UNKNOWN | |
| ALEUTIANS WEST | | | | 1 | | 1 |
| ANCHORAGE | 4,134 | 13 | 925 | 59 | 7 | 5,138 |
| ANGOON-HOONAH-SKG | | | | | 1 | 1 |
| BETHEL | 338 | | 58 | | 20 | 416 |
| DENALI | | | | | 1 | 1 |
| DILLINGHAM | 64 | 5 | 1 | | 2 | 72 |
| FAIRBANKS NSB | 1,317 | 19 | 239 | 39 | 13 | 1,627 |
| HAINES BOROUGH | | | | | 1 | 1 |
| JUNEAU BOROUGH | 383 | | 1 | 14 | 1 | 399 |
| KENAI PENINSULA | 346 | 11 | 199 | 11 | 10 | 577 |
| KETCHIKAN | 275 | 7 | | 2 | 2 | 286 |
| KODIAK ISLAND | 165 | 71 | | 9 | 2 | 247 |
| MATANUSKA-SUSITNA | 264 | 124 | 11 | 72 | 7 | 478 |
| NOME | 104 | 14 | | 3 | 2 | 123 |
| NORTH SLOPE | 66 | | | | 3 | 69 |
| NORTHWEST ARCTIC | 94 | 11 | 5 | | 4 | 114 |
| PRINCE OF WALES | 1 | | | | 2 | 3 |
| SITKA BOROUGH | 143 | | | 3 | 2 | 148 |
| SE FAIRBANKS | 2 | | 5 | 1 | 11 | 19 |
| VALDEZ-CORDOVA | 45 | | | 3 | 3 | 51 |
| WADE HAMPTON | 5 | | | | 8 | 13 |
| WRANGELL-PETERSBG | 31 | 7 | | | 2 | 40 |
| YUKON-KOYUKUK | | | | | 3 | 3 |
| OUTSIDE ALASKA | 50 | 2 | 8 | | 69 | 129 |
| TOTAL | 7,827 | 284 | 1,452 | 217 | 176 | 9,956 |

TABLE 1.20B RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF OCCURRENCE AND BY BIRTH ATTENDANT TYPE, ALASKA, 1997

| NATIVE REGIONAL CORPORATION WHERE BIRTH OCCURRED | ATTENDANT TYPE | | | | | TOTAL |
|--|----------------|----------------------|-------------------------|---------|----------------|-------|
| | MEDICAL DOCTOR | DOCTOR OF OSTEOPATHY | CERTIFIED NURSE MIDWIFE | MIDWIFE | OTHER/ UNKNOWN | |
| AHTNA INC | 2 | | | 1 | 3 | 6 |
| ALEUT CORP. | | | | 1 | | 1 |
| ARCTIC SLOPE CORP. | 66 | | | | 3 | 69 |
| BERING STRAITS CORP | 104 | 14 | | 3 | 2 | 123 |
| BRISTOL BAY CORP. | 64 | 5 | 1 | | 2 | 72 |
| CALISTA CORP. | 343 | | 58 | | 28 | 429 |
| CHUGACH NATIVES INC | 43 | | | 2 | | 45 |
| COOK INLET REG CORP | 4,744 | 148 | 1,135 | 142 | 24 | 6,193 |
| DOYON LTD | 1,319 | 19 | 244 | 40 | 28 | 1,650 |
| KONIAG INC. | 165 | 71 | | 9 | 2 | 247 |
| NANA REGIONAL CORP. | 94 | 11 | 5 | | 4 | 114 |
| SEALASKA CORP. | 833 | 14 | 1 | 19 | 11 | 878 |
| OUTSIDE ALASKA | 50 | 2 | 8 | | 69 | 129 |
| TOTAL | 7,827 | 284 | 1,452 | 217 | 176 | 9,956 |

TABLE 1.21 RESIDENT BIRTHS BY RACE OF MOTHER AND BY BIRTH ATTENDANT TYPE, ALASKA, 1997

| MOTHER'S RACE | ATTENDANT TYPE | | | | | TOTAL |
|---------------|----------------|----------------------|-------------------------|---------|----------------|-------|
| | MEDICAL DOCTOR | DOCTOR OF OSTEOPATHY | CERTIFIED NURSE MIDWIFE | MIDWIFE | OTHER/ UNKNOWN | |
| WHITE | 4,976 | 194 | 977 | 196 | 107 | 6,450 |
| NATIVE | 1,971 | 46 | 319 | 9 | 52 | 2,397 |
| BLACK | 350 | 7 | 94 | 3 | 1 | 455 |
| ASIAN/PI | 414 | 34 | 52 | 9 | 2 | 511 |
| UNKNOWN | 116 | 3 | 10 | | 14 | 143 |
| TOTAL | 7,827 | 284 | 1,452 | 217 | 176 | 9,956 |

GESTATION

Table 1.22 shows numbers and percentages of pre-term (less than 37 weeks gestation, term (37-41 weeks gestation), and post-term (more than 41 weeks gestation) by year for the last ten years. In this time, pre-term births have risen from 8.7% to 10.3% of total live births.

TABLE 1.22 PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES BY YEAR, ALASKA, 1988-1997

| YEAR | UNK | | PRE-TERM | | TERM | | POST-TERM | | TOTAL |
|------|-----|-----|----------|------|-------|------|-----------|------|--------|
| | No. | % | No. | % | No. | % | No. | % | |
| 1988 | 352 | 3.1 | 982 | 8.7 | 8,360 | 74.1 | 1,593 | 14.1 | 11,287 |
| 1989 | 73 | 0.6 | 1,047 | 9.0 | 9,077 | 77.8 | 1,463 | 12.5 | 11,660 |
| 1990 | 22 | 0.2 | 1,079 | 9.1 | 9,225 | 77.5 | 1,574 | 13.2 | 11,900 |
| 1991 | 10 | 0.1 | 1,031 | 8.8 | 9,215 | 78.8 | 1,432 | 12.3 | 11,688 |
| 1992 | 26 | 0.2 | 1,114 | 9.5 | 9,148 | 78.0 | 1,439 | 12.3 | 11,727 |
| 1993 | 45 | 0.4 | 1,033 | 9.3 | 8,838 | 79.7 | 1,173 | 10.6 | 11,089 |
| 1994 | 34 | 0.3 | 959 | 9.0 | 8,786 | 82.3 | 903 | 8.5 | 10,682 |
| 1995 | 27 | 0.3 | 919 | 9.0 | 8,575 | 83.9 | 701 | 6.9 | 10,222 |
| 1996 | 31 | 0.3 | 1,003 | 10.0 | 8,219 | 81.8 | 793 | 7.9 | 10,046 |
| 1997 | 33 | 0.3 | 1,024 | 10.3 | 8,214 | 82.5 | 685 | 6.9 | 9,956 |

BIRTH WEIGHT

Tables 1.23A, 1.23B, and 1.23C show numbers of births by birth weight. Table 1.23A shows birth weight by census area, Table 1.23B shows birth weight by Native regional corporation, and Table 1.23C shows birth weight by mother's race. Infants weighing less than 2,500 grams (5 pounds 8 ounces) are defined as low birth weight babies. Infants weighing less than 1,500 grams (3 pounds, 5 ounces) are considered very low birth weight. The National Center for Health Statistics is concerned with low birth weight rates because low birth weight infants are at much greater risk of mortality and long-term disability.⁹

⁹ National Center for Health Statistics, U.S. Department of Health and Human Services, "Report of Final Natality Statistics, 1995," *Monthly Vital Statistics Report*, Vol. 45, No. 11(S), June 10, 1997, p. 16.

TABLE 1.23A RESIDENT BIRTHS BY CENSUS AREA OF MOTHER'S RESIDENCE AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1997

| CENSUS AREA OF MOTHER'S RESIDENCE | BIRTH WEIGHT IN GRAMS | | | | | | | | TOTAL |
|-----------------------------------|-----------------------|----------|-----------|-----------|-----------|-----------|-------|------|-------|
| | <750 | 750-1499 | 1500-2499 | 2500-2999 | 3000-3499 | 3500-4499 | 4500+ | UNKN | |
| ALEUTIANS EAST | | | | 4 | 10 | 14 | 1 | | 29 |
| ALEUTIANS WEST | | 1 | 2 | 8 | 10 | 26 | | | 47 |
| ANCHORAGE | 17 | 40 | 196 | 557 | 1,505 | 1,755 | 82 | 12 | 4,164 |
| ANGOON-HOONAH-SKG | | | | 1 | 10 | 21 | 1 | 6 | 39 |
| BETHEL | 1 | 2 | 20 | 47 | 126 | 212 | 11 | | 419 |
| BRISTOL BAY | | | 1 | 2 | 6 | 12 | 2 | | 23 |
| DENALI | | | | 1 | 8 | 14 | 2 | | 25 |
| DILLINGHAM | | | 2 | 11 | 33 | 53 | 2 | | 101 |
| FAIRBANKS NSB | 7 | 12 | 65 | 160 | 480 | 663 | 37 | | 1,424 |
| HAINES BOROUGH | | | 1 | | 6 | 10 | 1 | 7 | 25 |
| JUNEAU BOROUGH | 2 | | 17 | 33 | 123 | 212 | 15 | 1 | 403 |
| KENAI PENINSULA | | 2 | 32 | 88 | 212 | 300 | 17 | | 651 |
| KETCHIKAN | 1 | 2 | 7 | 27 | 60 | 96 | 1 | 1 | 195 |
| KODIAK ISLAND | | 4 | 14 | 36 | 75 | 126 | 7 | 2 | 264 |
| LAKE-PENINSULA | | | 1 | 4 | 11 | 21 | | | 37 |
| MATANUSKA-SUSITNA | 4 | 7 | 40 | 77 | 254 | 301 | 9 | 3 | 695 |
| NOME | 2 | 5 | 8 | 16 | 72 | 90 | 6 | | 199 |
| NORTH SLOPE | | 1 | 7 | 18 | 44 | 72 | 8 | 1 | 151 |
| NORTHWEST ARCTIC | | 2 | 10 | 24 | 43 | 90 | 7 | | 176 |
| PRINCE OF WALES | | 1 | 8 | 9 | 24 | 48 | 3 | | 93 |
| SITKA BOROUGH | 1 | | | 13 | 28 | 64 | 3 | 1 | 110 |
| SE FAIRBANKS | 1 | | 5 | 17 | 27 | 50 | 5 | | 105 |
| VALDEZ-CORDOVA | | 1 | 10 | 15 | 42 | 60 | 2 | | 130 |
| WADE HAMPTON | | | 10 | 29 | 55 | 123 | 9 | | 226 |
| WRANGELL-PETERSBG | | 1 | 3 | 11 | 36 | 41 | 7 | | 99 |
| YAKUTAT | | | | | 2 | 5 | | | 7 |
| YUKON-KOYUKUK | | 2 | 4 | 14 | 36 | 58 | 5 | | 119 |
| TOTAL | 36 | 83 | 463 | 1,222 | 3,338 | 4,537 | 243 | 34 | 9,956 |

TABLE 1.23B RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1997

| NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE | BIRTH WEIGHT IN GRAMS | | | | | | | | TOTAL |
|---|-----------------------|----------|-----------|-----------|-----------|-----------|-------|------|-------|
| | <750 | 750-1499 | 1500-2499 | 2500-2999 | 3000-3499 | 3500-4499 | 4500+ | UNKN | |
| AHTNA INC | | | 2 | 2 | 13 | 19 | 1 | | 37 |
| ALEUT CORP. | | 1 | 2 | 12 | 20 | 40 | 1 | | 76 |
| ARCTIC SLOPE CORP. | | 1 | 7 | 18 | 44 | 72 | 8 | 1 | 151 |
| BERING STRAITS CORP | 2 | 5 | 8 | 16 | 72 | 90 | 6 | | 199 |
| BRISTOL BAY CORP. | | | 4 | 17 | 49 | 81 | 4 | | 155 |
| CALISTA CORP. | 1 | 2 | 30 | 76 | 181 | 335 | 20 | | 645 |
| CHUGACH NATIVES INC | | 1 | 10 | 16 | 49 | 67 | 4 | | 147 |
| COOK INLET REG CORP | 21 | 49 | 266 | 719 | 1,952 | 2,335 | 105 | 15 | 5,462 |
| DOYON LTD | 8 | 14 | 74 | 192 | 551 | 785 | 49 | | 1,673 |
| KONIAG INC. | | 4 | 14 | 36 | 75 | 126 | 7 | 2 | 264 |
| NANA REGIONAL CORP. | | 2 | 10 | 24 | 43 | 90 | 7 | | 176 |
| SEALASKA CORP. | 4 | 4 | 36 | 94 | 289 | 497 | 31 | 16 | 971 |
| TOTAL | 36 | 83 | 463 | 1,222 | 3,338 | 4,537 | 243 | 34 | 9,956 |

TABLE 1.23C RESIDENT BIRTHS BY RACE OF MOTHER AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1997

| MOTHER'S RACE | BIRTH WEIGHT IN GRAMS | | | | | | | | TOTAL |
|---------------|-----------------------|----------|-----------|-----------|-----------|-----------|-------|------|-------|
| | <750 | 750-1499 | 1500-2499 | 2500-2999 | 3000-3499 | 3500-4499 | 4500+ | UNKN | |
| WHITE | 25 | 38 | 283 | 743 | 2,201 | 2,989 | 157 | 14 | 6,450 |
| NATIVE | 5 | 29 | 104 | 266 | 705 | 1,207 | 75 | 6 | 2,397 |
| BLACK | 4 | 7 | 44 | 88 | 172 | 137 | 3 | | 455 |
| ASIAN/PI | 1 | 5 | 27 | 91 | 217 | 160 | 6 | 4 | 511 |
| UNKNOWN | 1 | 4 | 5 | 34 | 43 | 44 | 2 | 10 | 143 |
| TOTAL | 36 | 83 | 463 | 1,222 | 3,338 | 4,537 | 243 | 34 | 9,956 |

LOW BIRTH WEIGHT PERCENTAGES

In Alaska, low birth weight percentages are calculated for a five-year period to reduce the possibility of year-to-year random variations. From 1993 through 1997, 5.4 percent of all Alaska resident births resulted in low birth weight babies. During 1997 the U.S. low birth weight percentage was 7.5 percent.¹⁰ Of all multiple birth infants from 1993-1997 (i.e. twins, etc.), 46.3 percent were characterized by low birth weight.

Tables 1.24A and 1.24B show the number and percent of very low birth weight infants (less than 1500 grams), the number and percent of low birth weight infants (from 1500 to 2499 grams), the number and percent of infants 2500 grams and over, and the number and percent of births where the birth weight is unknown. Note that the total shows that 94.3 percent of all births fall in the 2500+ gram category.

10 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, p. 5.

TABLE 1.24A BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S CENSUS AREA, ALASKA, 1993-1997

| CENSUS AREA OF MOTHER'S RESIDENCE | CHILD'S BIRTH WEIGHT IN GRAMS | | | | | | | | TOTAL |
|-----------------------------------|-------------------------------|------|-----------|------|--------|------|------|------|--------|
| | <1500 | | 1500-2499 | | 2500+ | | UNKN | | |
| | NO. | PCT. | NO. | PCT. | NO. | PCT. | NO. | PCT. | |
| ALEUTIANS EAST | | | 7 | 5.4 | 123 | 94.6 | | | 130 |
| ALEUTIANS WEST | 4 | 1.1 | 14 | 3.9 | 339 | 95.0 | | | 357 |
| ANCHORAGE | 250 | 1.1 | 1,066 | 4.8 | 20,777 | 93.8 | 51 | 0.2 | 22,144 |
| ANGOON-HOONAH-SKG | | | 3 | 1.6 | 167 | 88.8 | 18 | 9.6 | 188 |
| BETHEL | 16 | 0.8 | 67 | 3.3 | 1,956 | 95.8 | 3 | 0.1 | 2,042 |
| BRISTOL BAY | | | 3 | 3.0 | 98 | 97.0 | | | 101 |
| DENALI | 1 | 0.8 | 4 | 3.3 | 117 | 95.9 | | | 122 |
| DILLINGHAM | 11 | 2.0 | 28 | 5.0 | 523 | 92.7 | 2 | 0.4 | 564 |
| FAIRBANKS NSB | 68 | 0.9 | 307 | 4.1 | 7,158 | 94.9 | 9 | 0.1 | 7,542 |
| HAINES BOROUGH | | | 5 | 3.8 | 98 | 73.7 | 30 | 22.6 | 133 |
| JUNEAU BOROUGH | 13 | 0.6 | 91 | 4.3 | 1,992 | 95.0 | 1 | 0.0 | 2,097 |
| KENAI PENINSULA | 26 | 0.8 | 146 | 4.4 | 3,175 | 94.7 | 6 | 0.2 | 3,353 |
| KETCHIKAN | 14 | 1.2 | 34 | 3.0 | 1,073 | 95.6 | 1 | 0.1 | 1,122 |
| KODIAK ISLAND | 14 | 1.0 | 62 | 4.5 | 1,288 | 94.1 | 5 | 0.4 | 1,369 |
| LAKE-PENINSULA | 1 | 0.5 | 5 | 2.6 | 190 | 96.9 | | | 196 |
| MATANUSKA-SUSITNA | 41 | 1.2 | 171 | 4.8 | 3,333 | 93.9 | 4 | 0.1 | 3,549 |
| NOME | 17 | 1.7 | 39 | 3.8 | 954 | 94.2 | 3 | 0.3 | 1,013 |
| NORTH SLOPE | 4 | 0.6 | 26 | 3.7 | 668 | 95.6 | 1 | 0.1 | 699 |
| NORTHWEST ARCTIC | 14 | 1.7 | 42 | 5.2 | 752 | 93.0 | 1 | 0.1 | 809 |
| PRINCE OF WALES | 4 | 0.8 | 21 | 4.3 | 455 | 94.2 | 3 | 0.6 | 483 |
| SITKA BOROUGH | 2 | 0.3 | 19 | 2.9 | 643 | 96.5 | 2 | 0.3 | 666 |
| SE FAIRBANKS | 6 | 1.1 | 24 | 4.6 | 493 | 93.9 | 2 | 0.4 | 525 |
| VALDEZ-CORDOVA | 5 | 0.7 | 27 | 4.0 | 647 | 95.1 | 1 | 0.1 | 680 |
| WADE HAMPTON | 3 | 0.3 | 48 | 4.4 | 1,040 | 95.3 | | | 1,091 |
| WRANGELL-PETERSBG | 2 | 0.4 | 14 | 3.0 | 446 | 96.5 | | | 462 |
| YAKUTAT | | | 1 | 1.8 | 54 | 98.2 | | | 55 |
| YUKON-KOYUKUK | 4 | 0.8 | 14 | 2.8 | 485 | 96.4 | | | 503 |
| TOTAL | 520 | 1.0 | 2,288 | 4.4 | 49,044 | 94.3 | 143 | 0.3 | 51,995 |

TABLE 1.24B BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S NATIVE REGIONAL CORPORATION, ALASKA, 1993-1997

| NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE | CHILD'S BIRTH WEIGHT IN GRAMS | | | | | | | | TOTAL |
|---|-------------------------------|------|-----------|------|--------|------|------|------|--------|
| | <1500 | | 1500-2499 | | 2500+ | | UNKN | | |
| | NO. | PCT. | NO. | PCT. | NO. | PCT. | NO. | PCT. | |
| AHTNA INC | | | 6 | 2.7 | 217 | 96.9 | 1 | 0.4 | 224 |
| ALEUT CORP. | 4 | 0.8 | 21 | 4.3 | 462 | 94.9 | | | 487 |
| ARCTIC SLOPE CORP. | 4 | 0.6 | 26 | 3.7 | 668 | 95.6 | 1 | 0.1 | 699 |
| BERING STRAITS CORP | 17 | 1.7 | 39 | 3.8 | 954 | 94.2 | 3 | 0.3 | 1,013 |
| BRISTOL BAY CORP. | 12 | 1.4 | 36 | 4.3 | 793 | 94.1 | 2 | 0.2 | 843 |
| CALISTA CORP. | 19 | 0.6 | 115 | 3.7 | 2,996 | 95.6 | 3 | 0.1 | 3,133 |
| CHUGACH NATIVES INC | 5 | 0.7 | 30 | 4.1 | 698 | 95.2 | | | 733 |
| COOK INLET REG CORP | 317 | 1.1 | 1,374 | 4.8 | 27,044 | 93.9 | 61 | 0.2 | 28,796 |
| DOYON LTD | 79 | 0.9 | 349 | 4.0 | 8,243 | 94.9 | 11 | 0.1 | 8,682 |
| KONIAG INC. | 14 | 1.0 | 62 | 4.5 | 1,289 | 94.1 | 5 | 0.4 | 1,370 |
| NANA REGIONAL CORP. | 14 | 1.7 | 42 | 5.2 | 752 | 93.0 | 1 | 0.1 | 809 |
| SEALASKA CORP. | 35 | 0.7 | 188 | 3.6 | 4,928 | 94.7 | 55 | 1.1 | 5,206 |
| TOTAL | 520 | 1.0 | 2,288 | 4.4 | 49,044 | 94.3 | 143 | 0.3 | 51,995 |

TABLE 1.25 BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S RACE, ALASKA, 1993-1997

| MOTHER'S RACE | CHILD'S BIRTH WEIGHT IN GRAMS | | | | | | | | TOTAL |
|---------------|-------------------------------|------------|--------------|------------|---------------|-------------|------------|------------|---------------|
| | <1500 | | 1500-2499 | | 2500+ | | UNKN | | |
| | NO. | PCT. | NO. | PCT. | NO. | PCT. | NO. | PCT. | |
| WHITE | 294 | 0.8 | 1,436 | 4.1 | 33,129 | 94.9 | 63 | 0.2 | 34,922 |
| NATIVE | 129 | 1.1 | 503 | 4.2 | 11,250 | 94.4 | 31 | 0.3 | 11,913 |
| BLACK | 66 | 2.7 | 201 | 8.3 | 2,145 | 88.8 | 4 | 0.2 | 2,416 |
| ASIAN/PI | 25 | 1.0 | 138 | 5.6 | 2,303 | 93.1 | 8 | 0.3 | 2,474 |
| UNKNOWN | 6 | 2.2 | 10 | 3.7 | 217 | 80.4 | 37 | 13.7 | 270 |
| TOTAL | 520 | 1.0 | 2,288 | 4.4 | 49,044 | 94.3 | 143 | 0.3 | 51,995 |

TABLE 1.26 BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S AGE, ALASKA, 1993-1997

| MOTHER'S AGE | CHILD'S BIRTH WEIGHT IN GRAMS | | | | | | | | TOTAL |
|--------------|-------------------------------|------------|--------------|------------|---------------|-------------|------------|------------|---------------|
| | <1500 | | 1500-2499 | | 2500+ | | UNKN | | |
| | NO. | PCT. | NO. | PCT. | NO. | PCT. | NO. | PCT. | |
| <20 YRS | 70 | 1.2 | 296 | 5.1 | 5,412 | 93.4 | 17 | 0.3 | 5,795 |
| 29-29 YRS | 245 | 0.9 | 1,176 | 4.2 | 26,759 | 94.7 | 63 | 0.2 | 28,243 |
| 30-39 YRS | 189 | 1.1 | 751 | 4.5 | 15,764 | 94.1 | 55 | 0.3 | 16,759 |
| 40+ YRS | 16 | 1.4 | 62 | 5.3 | 1,091 | 93.0 | 4 | 0.3 | 1,173 |
| UNKNOWN | | | 3 | 12.0 | 18 | 72.0 | 4 | 16.0 | 25 |
| TOTAL | 520 | 1.0 | 2,288 | 4.4 | 49,044 | 94.3 | 143 | 0.3 | 51,995 |

Charts 1.8 through 1.10D show pregnancy and birth characteristics for births from 1990 through 1997 for three demographic groups: 1) teens (all mothers under 20 years of age); 2) unmarried mothers age 20 and older; and 3) married mothers age 20 and older.

CHART 1.8 PERCENTAGE OF LOW BIRTH WEIGHT INFANTS FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1997

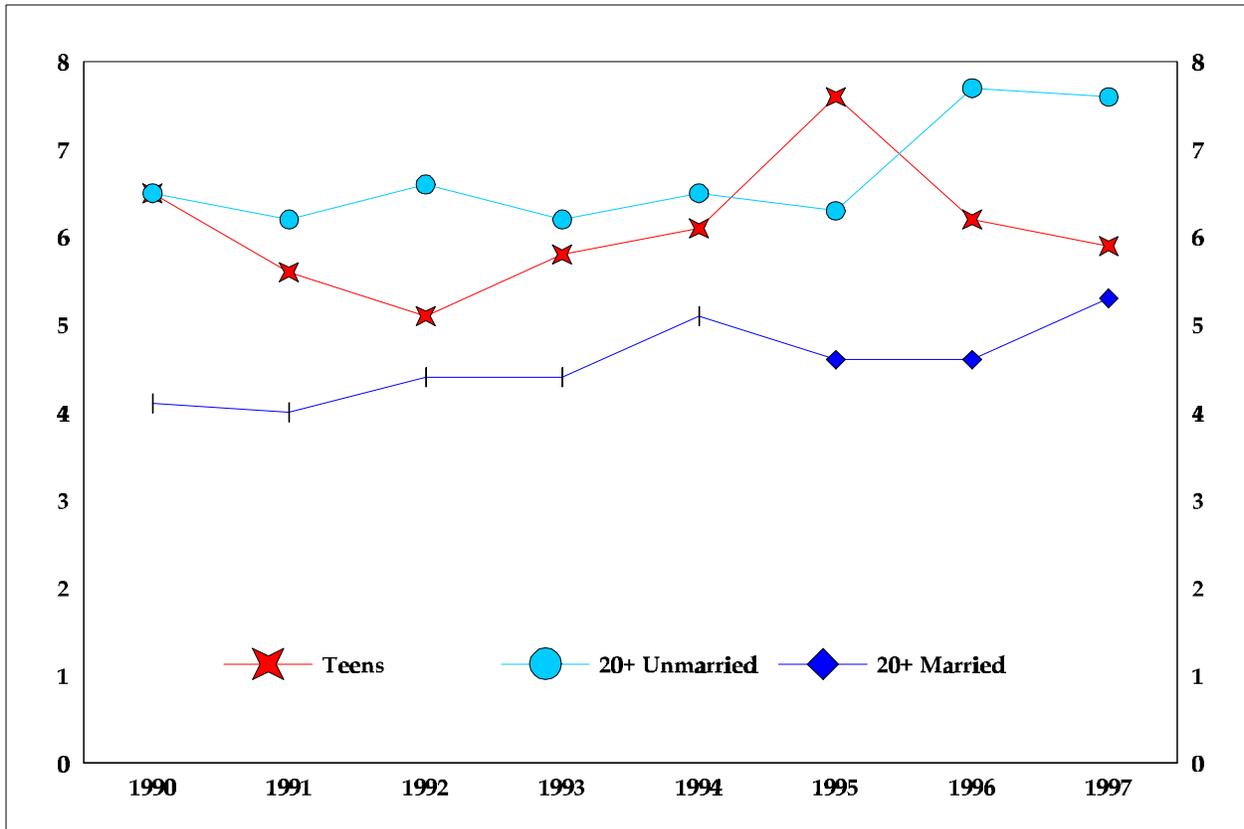


Chart 1.8 shows the percentage of low birth weight infants, by year, born to teens, unmarried mothers 20 and older, and married mothers 20 and older. Married mothers age 20 and over consistently have a lower percentage of low birth weight infants than either unmarried mothers age 20 and over and teen mothers. Teens generally have a lower percentage of low birth weight infants than unmarried older mothers. The low birth weight percentage has risen for all mothers age 20 and over since 1990.

OTHER DEMOGRAPHIC COMPARISONS

Chart 1.9 shows the incidence of preterm births (less than 37 weeks gestation) by group. There is no consistent difference in percentages of preterm births for teen mothers and older unmarried mothers. Older married mothers had a significantly lower incidence of preterm births than the other two groups.

CHART 1.9 PERCENTAGE OF PRETERM INFANTS BORN TO TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1997

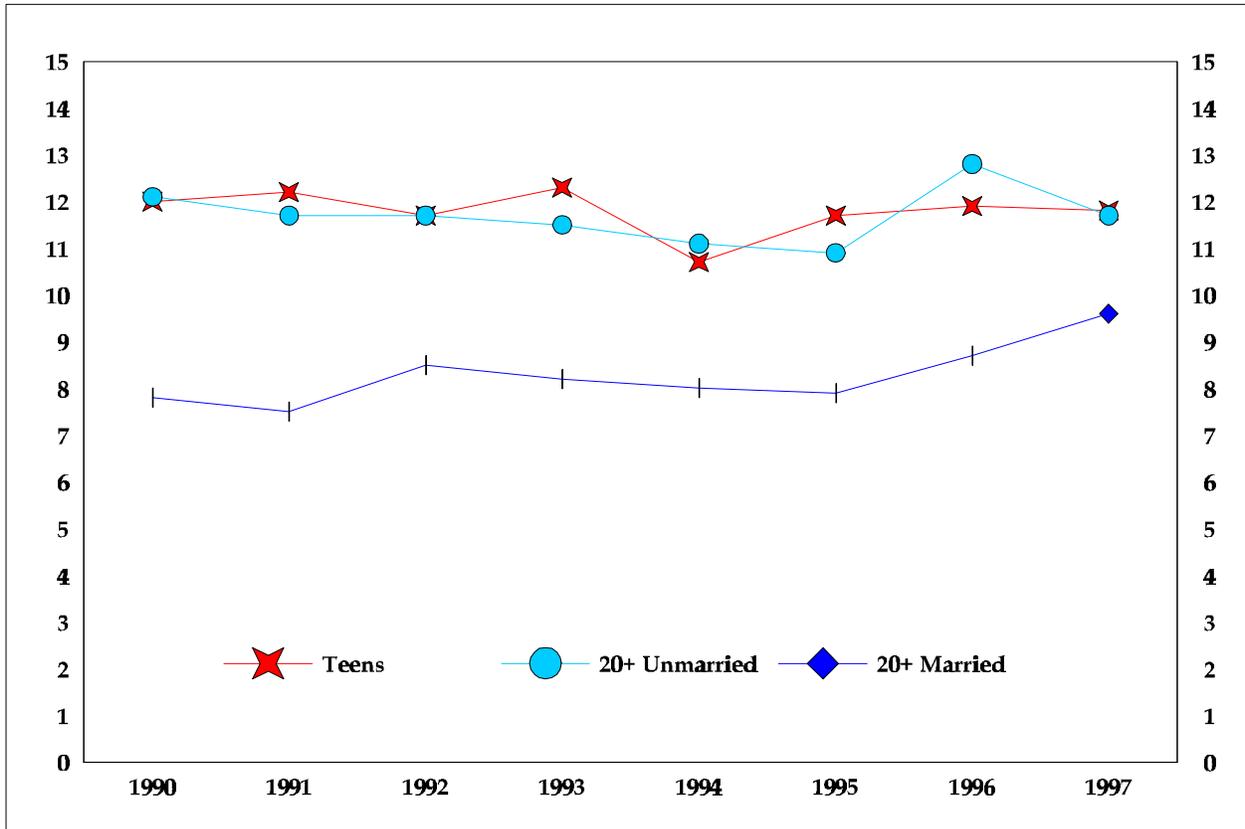


CHART 1.10A PERCENTAGE OF MOTHERS GAINING LESS THAN 25 POUNDS FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1997

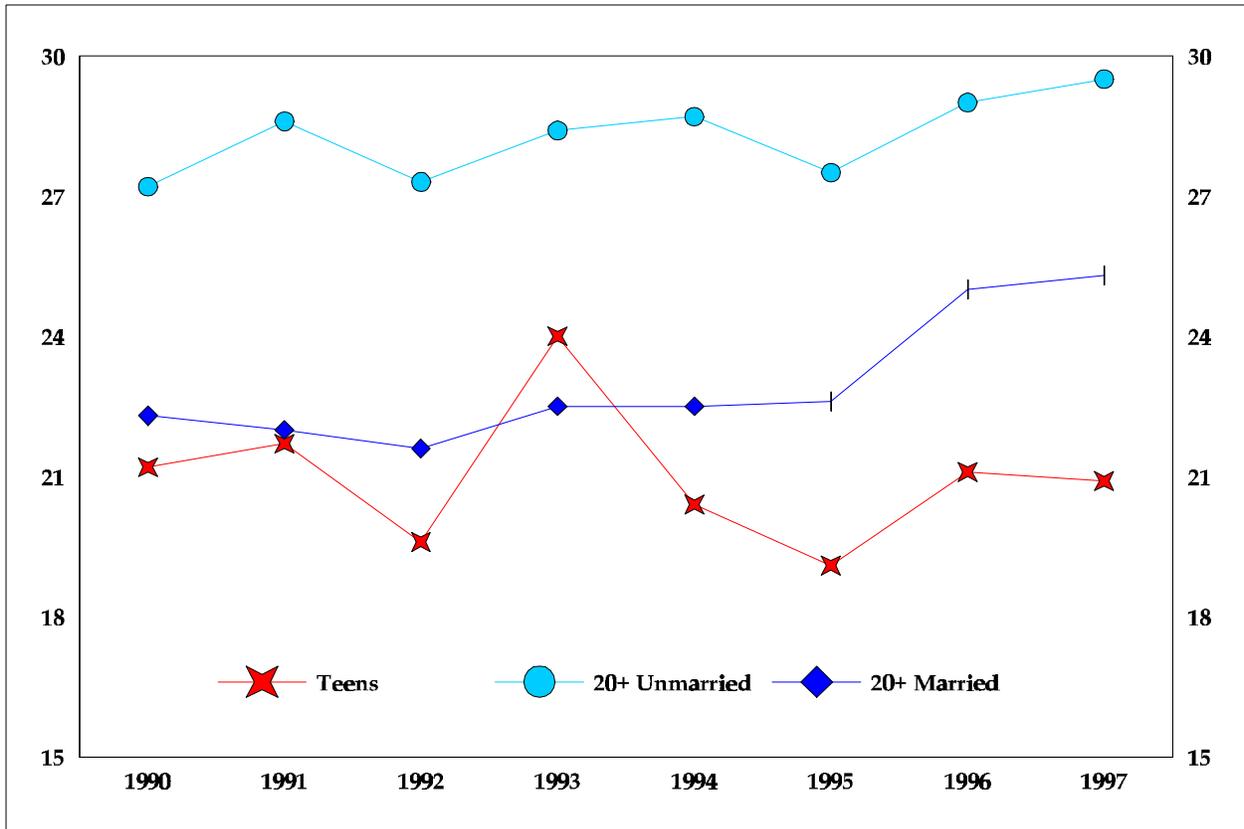


Chart 1.10A shows the percentage of mothers who gained less than 25 pounds during pregnancy. The total weight gained by the mother during pregnancy has been shown to have an independent, positive relationship with the birth weight of the newborn.¹¹ Chart 1.10A shows that single mothers age 20 and older are more likely to have low weight gain than teens and married mothers age 20 and older.

11 Ibid., p. 9.

CHART 1.10B PERCENTAGE OF MOTHERS RECEIVING ADEQUATE PRENATAL CARE FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1997

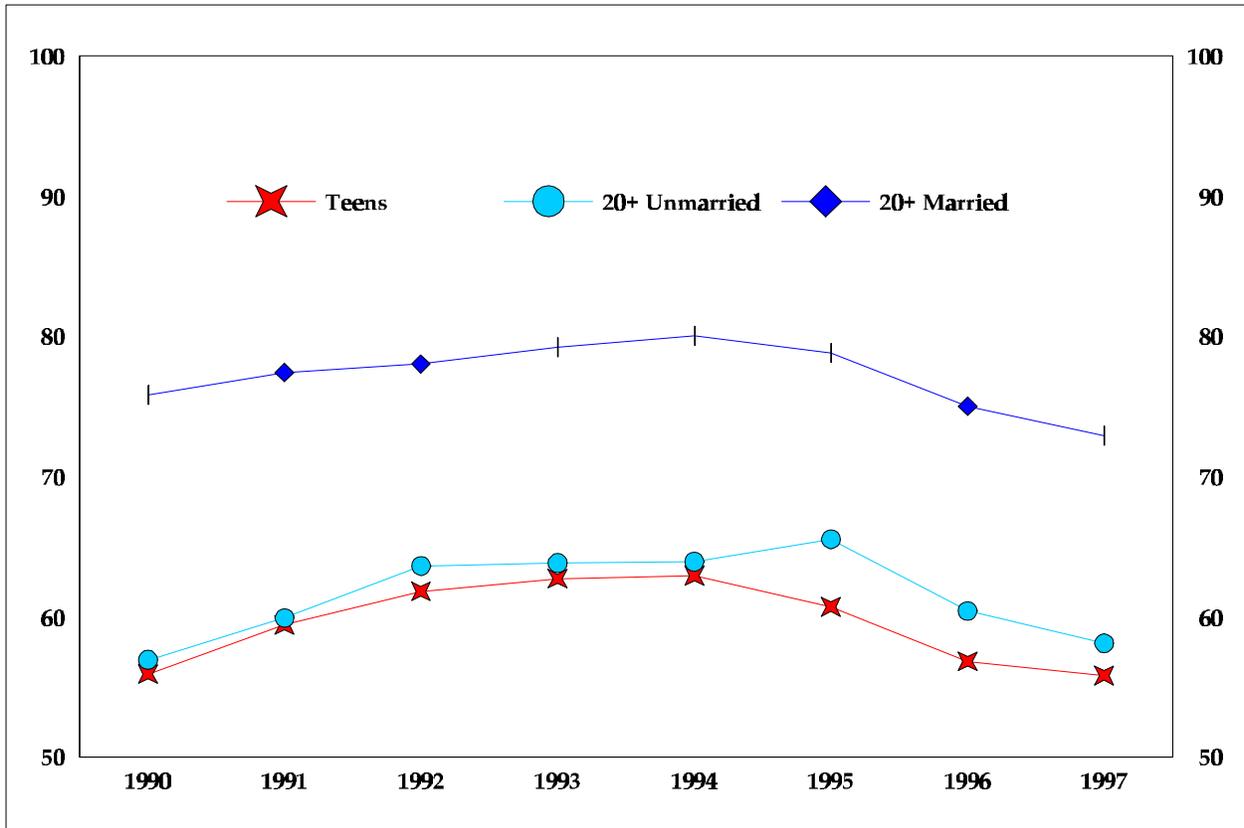


Chart 1.10B shows the percentage of mothers who received adequate prenatal care. Teens and unmarried mothers age 20 and older were less likely to receive adequate prenatal care than married mothers age 20 and older. In all groups there was an increase in the percentage of mothers who received adequate prenatal care from 1990 until 1994 or 1995. Since 1995, the percentage of mothers who received adequate prenatal care has decreased for all groups. Some of the decrease in adequate prenatal care since 1995 may be due to errors in reporting which occurred in 1995.

CHART 1.10C PERCENTAGE OF MOTHERS USING TOBACCO FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1997

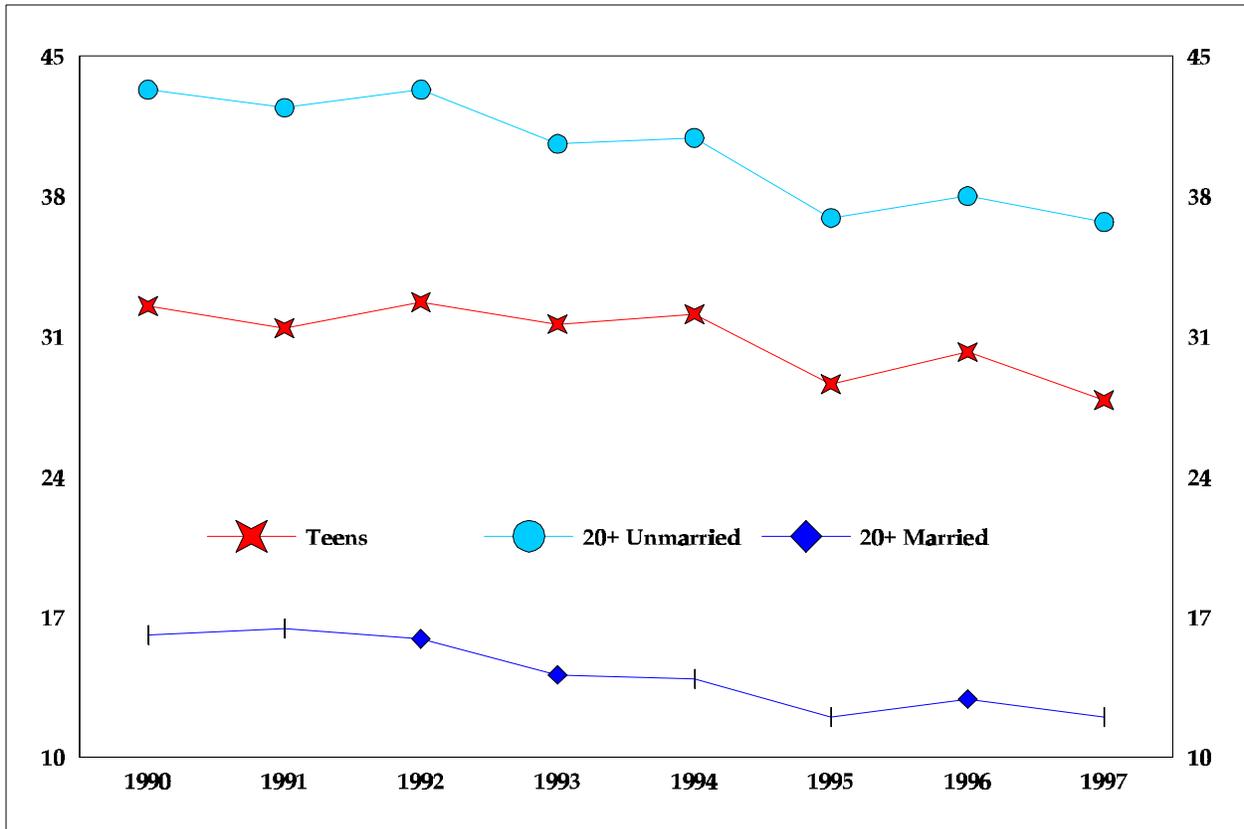


Chart 1.10C shows the percentage of mothers who report using tobacco during their pregnancy. Unmarried women age 20 and older have a significantly higher rate of tobacco use than teen mothers who, in turn, have a significantly higher rate of tobacco use than married mothers age 20 and older. This chart does show a general decline in the reported use of tobacco for these three groups from 1990 to 1997. Maternal smoking contributes to low birth weight, perinatal morbidity, mortality and Sudden Infant Death Syndrome (SIDS), and persistent deficits in learning and behavior.¹²

12 Slotkin, Theodore A., "Fetal Nicotine or Cocaine Exposure: Which One is Worse?" *Journal of Pharmacology and Experimental Therapeutics*, Vol. 285, Issue 3, 931-945, June 1998.

CHART 1.10D PERCENTAGE OF MOTHERS USING ALCOHOL FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1997

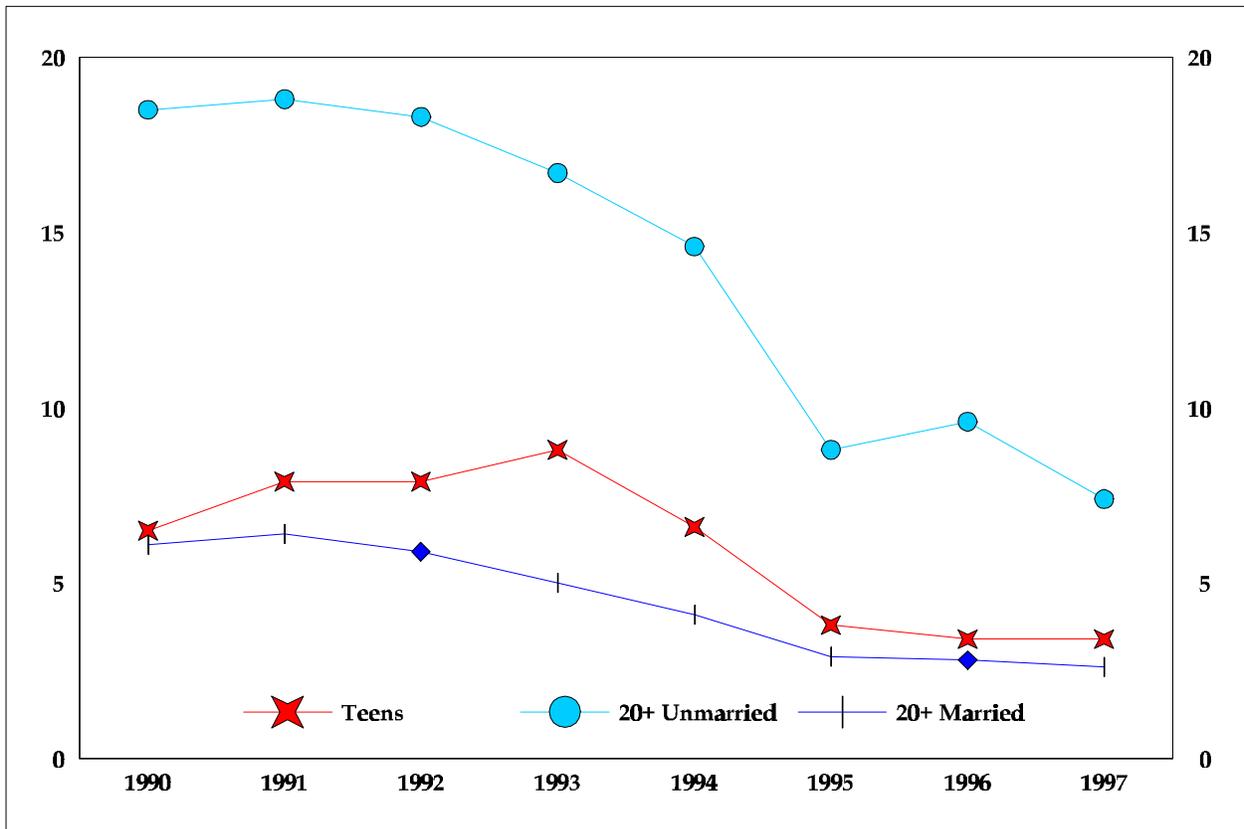


Chart 1.10D shows the percentage of mothers who reported using alcohol during pregnancy. The most severe adverse effect of excessive drinking is Fetal Alcohol Syndrome (FAS) which results in disorders such as mental retardation.¹³ The highest rate of reported alcohol use during pregnancy is among unmarried mothers age 20 and older, although all groups have shown a significant decrease in reported use of alcohol from 1990 to 1997.

13 National Center for Health Statistics, U.S. Department of Health and Human Services, "Report of Final Natality Statistics, 1996," *Monthly Vital Statistics Report*, Vol. 45, No. 11(S), June 10, 1997, p.12.