



Alaska Bureau of Vital Statistics 2008 Annual Report

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PREFACE

PURPOSE OF THIS BRIEF REPORT

The Alaska Bureau of Vital Statistics 2008 Annual Report was written by the Research Unit staff of the Alaska Bureau of Vital Statistics. This report summarizes data on births, deaths, adoptions, marriages, and divorces. The purpose of this report is to provide basic reference material and indicators for health and vital events in Alaska.

HOW THIS REPORT IS ORGANIZED

Table of Contents

The table of contents contains chapter headings and major sections, and lists of charts, tables, and maps.

Preface

This section describes the organization of this report.

Executive Summary

The executive summary includes population estimates, numbers, and rates of vital events (births, deaths, marriages, divorces, and adoptions) in Alaska for the 2008 calendar year.

Introduction

The introduction provides an overview of Alaska, information on population and demographics, and an explanation of how vital statistics are collected and recorded.

Births

The birth section includes tables, maps, and descriptions of births, and birth rates to Alaskan mothers.

Fetal, Infant, Child, and Adolescent Deaths

This chapter includes tables, maps, and descriptions of events, mortality rates, and causes of deaths among Alaskan infants and children.

Deaths

This chapter includes tables, maps, and descriptions of events, mortality rates, and leading causes of death among residents of Alaska.

Adoptions

The adoption chapter provides information on adoptions to Alaska residents.

Marriages and Divorces

This chapter provides information on the number and rates of marriages and divorces to Alaska residents.

Appendices

The appendices include definitions of terms, technical notes, classification of causes of death, prenatal care index, Year 2010 Health Objectives, geographic overview, sample certificates, and population statistics.

HOW TO OBTAIN A COPY

The 2008 Annual Report is available on the Internet at:

www.hss.state.ak.us/dph/bvs/data/default.htm

We welcome any comments, questions, or concerns you may have about this report. You may contact us at:

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ADDITIONAL INFORMATION

Additional information, including how to obtain copies of vital event certificates, is available on the Internet at:

www.vitalrecords.alaska.gov

The Research Unit is also available for special information requests on vital statistics data. For non-governmental organizations the fee for research is \$70/hour. For further assistance, please contact the Research Unit at:

Phone: (907) 465-8603

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ACKNOWLEDGEMENTS

Most of the data and health indicators presented in this report are based upon information supplied by many people throughout the state. Birth mothers, doctors, midwives, other birth attendants, medical facilities, medical examiners, magistrates, funeral directors, and a host of other individuals complete information on vital records.

The staff of the Bureau of Vital Statistics extends our gratitude to each person who participated in our data gathering effort. Accurate data are essential to the Bureau's effort to report reliable vital event information. We appreciate the assistance of others in maintaining the integrity of our data.

EXECUTIVE SUMMARY

SUMMARY OF POPULATION AND VITAL STATISTICS INFORMATION

Alaska's Population¹

Total Population.....	679,720
White.....	489,567
Native.....	121,929
Black.....	30,352
Asian/Pacific Islander.....	37,872
Male.....	346,986
Female.....	332,734
Natural Increase.....	7,948
Natural Increase Rate.....	11.7 ³

Deaths

Total Resident Deaths.....	3,489
Crude Death Rate.....	513.3
Age-Adjusted Death Rate.....	761.6 ⁵
Male Age-Adjusted Death Rate.....	872.6
Female Age-Adjusted Death Rate.....	651.3
Age-Adjusted Cancer Death Rate.....	181.9
Age-Adjusted Heart Disease Death Rate.....	147.8
Age-Adjusted Accidental Death Rate.....	54.9
Age-Adjusted Suicide Death Rate.....	24.8
Infant Mortality Rate.....	6.4 ⁶
White Infant Mortality Rate.....	4.0
Native Infant Mortality Rate.....	12.0
Black Infant Mortality Rate.....	10.0*
Asian/PI Infant Mortality Rate.....	6.4*

Births

Total Births.....	11,437
Crude Birth Rate.....	16.8 ³
White Crude Birth Rate.....	14.4
Native Crude Birth Rate.....	23.7
Black Crude Birth Rate.....	13.9
Asian/Pacific Islander Crude Birth Rate.....	24.8
Teen Birth Rate.....	42.3 ⁷
Fertility Rate.....	81.7 ⁸
White Fertility Rate.....	71.1
Native Fertility Rate.....	110.4
Black Fertility Rate.....	61.9
Asian/Pacific Islander Fertility Rate.....	120.7
Low Birth Weight Percentage.....	6.0 ⁹
White Low Birth Weight Percentage.....	5.3
Native Low Birth Weight Percentage.....	6.6
Black Low Birth Weight Percentage.....	11.8
Asian/PI Low Birth Weight Percentage.....	6.7

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Fetal Deaths.....	37
Fetal Death Rate.....	4.6 ⁶
Adoptions.....	775
Crude Adoption Rate.....	1.1 ³
Marriages.....	5,791
Crude Marriage Rate.....	8.5 ³
Divorces.....	3,084
Crude Divorce Rate.....	4.5 ³

¹ Population estimates are from the Alaska Department of Labor, Administrative Services, Research and Analysis Section, Demographics Unit.

² Natural increase is the difference between live births and deaths. Natural increase does not include migration.

³ Natural increase, birth, marriage, divorce, and adoption rates are events per 1,000 population.

⁴ Crude death rates are deaths per 100,000 population.

⁵ Age-adjusted death rates are adjusted to the U.S. 2000 standard population (see Appendix B).

⁶ Infant mortality and fetal death rates are 3-year averages (2006–2008) per 1,000 live births. Infant death rates are calculated using the death cohort method.

⁷ Teen birth rate is the number of births to teens per 1,000 females 15–19 years of age.

⁸ Fertility rates are births per 1,000 females 15–44 years of age.

⁹ Low birth weight percentages are infants born weighing less than 2,500 grams per 100 live births.

* Rate is based on fewer than 20 occurrences and is statistically unreliable.

INTRODUCTION

ABOUT ALASKA

Alaska is the largest of the 50 states and contains approximately 16 percent of the country's landmass. Because of its size, Alaska has widely diverse geographic, climatic, and demographic characteristics, all of which affect public health.

Alaska contains roughly 586,412 square miles of land. Alaska's population in 2008 was 679,720, or slightly more than one person per square mile. Alaska also claims the most northern, western and eastern points of land in the United States, more miles of coastline than all of the contiguous 48 states combined (6,640 miles not including islands), over 5,000 glaciers, over 3 million fresh water lakes (one of which, Iliamna, is the second largest lake entirely within the U.S.), and 3,000 rivers, of which the Yukon is the third longest river in the United States. Much of the coastline and fresh water areas are used as transportation corridors, as well as fishing grounds. Remote lands are used for hunting and recreational activities.

Unique climatic conditions affect Alaska's people. Temperatures can range from as high as 100°F to lows that approach -80°F. Alaska experiences extremes in precipitation as well. Some areas of the state may receive up to 200 inches of precipitation annually, while other areas receive as little as 12 inches.

With diverse cultures, sparse population, severe temperatures, vast coastline, and outdoor lifestyles, the state experiences many unique health care challenges. One such challenge is assisting residents who live in remote areas of the state. The Native Health Corporations, the Alaska Compact between the Indian Health Service and individual tribes, the State of Alaska, and private entities provide health care in these areas through funding for public health nurses and other health care workers.

The Bureau of Vital Statistics 2008 Annual Report focuses on health status indicators in Alaska. Some comparisons between Alaska health status indicators and national indicators are made. Although some similarities exist between Alaska and the rest of the United States, there is

much dissimilarity. By reporting these indicators, our hope is to assist other professionals to evaluate the status of health in Alaska. The events and vital statistics discussed throughout this report can be useful tools for health care planners, providers, and professionals, but do not provide answers in themselves.

HOW VITAL STATISTICS ARE COLLECTED

Section 18.50.010 of the Alaska Statutes establishes the Bureau of Vital Statistics to install, maintain, and operate a system of vital records. These records contain birth, death, fetal death, divorce, marriage, and adoption information.

When a birth occurs in Alaska, there is a legal process for recording that birth (AS 18.50.160). Generally, a physician, midwife, and/or hospital medical records staff person prepares a birth certificate from information provided by the birth parent(s) and the delivery attendant. Death certificates are usually completed by a funeral home staff member or a local magistrate, and then certified by the attending physician or medical examiner.

Death certificates should be filed with the local recording district office within three days of the date of death (AS 18.50.230). After the certificate has been recorded at the local district office, it is then forwarded to the Bureau of Vital Statistics in Juneau for registration.

When a birth or death occurs in Alaska to a resident of another state, the Bureau sends the respective state's registrar a copy of the certificate. Similarly, when a birth or death occurs to an Alaskan resident in another state, that state's registrar, by formal agreement, sends a copy of the certificate to the Alaska Bureau of Vital Statistics. This cooperative arrangement allows us to include all births and deaths involving Alaskan residents wherever they occur within the country.

In the past, the Alaska Court System issued a license and filed a certificate for each marriage performed in the state. The certificate was filed with the local recording office of the Court System within seven days of the marriage

(AS18.50.270). The local recording office then forwarded the certificate to the Bureau for registration and permanent retention. In 1997 the Bureau of Vital Statistics began issuing marriage licenses in Juneau, Anchorage, and Fairbanks, as well as registering and providing permanent retention of documents. Marriage licenses in other parts of the state continue to be issued by the Court System under the Bureau's oversight.

Divorce, dissolution, and annulment certificates are prepared by a clerk of the court from information provided by the petitioner, plaintiff, and (possibly) court documents. The completed certificate is then forwarded to the Bureau for final registration (AS 18.50.280).

For each adoption granted by the court, a report of adoption is prepared and registered with the Bureau (AS 18.50.210). In the event that a child was born in Alaska and adopted in another state, the Bureau receives and acts on that state's report of adoption.

POPULATION ESTIMATES

Population estimates used in this report were obtained from the State of Alaska, Department of Labor and Workforce Development, Division of Administrative Services, Research and Analysis Section, Demographics Unit. Totals are made by race, age, and geographic area. The 2008 Alaskan census population was 679,720 persons, with 346,986 males and 332,734 females. During 2008 there were 104.3 males for every 100 females in Alaska.

The Alaska Department of Labor updates its population estimates annually. The estimate of total population is revised each year to correspond to the U.S. Census Bureau's estimated state total. Using the decennial census as a base, birth, death, IRS, Alaska Permanent Fund and education statistics are used to produce annual population estimates for geographic areas.

Residents of the Anchorage census area comprised 41.9 percent of the state's population during 2008. About 82.1 percent of Alaska's population was concentrated in six census areas: Anchorage, Fairbanks, Juneau, Kenai, Bethel, and Matanuska-Susitna.

The age of a population is important when interpreting vital statistics, because behaviors and health risks of younger populations differ from those exhibited by

older populations. Age, race, and sex distributions within a population are also important. The median age for Alaskan males during 2008 was 32.7 years; for females it was 34.3 years; and for all Alaskans it was 33.4 years. The median age for males in the United States was 35.4 years, for females was 38.0 years, and for all U.S. citizens it was 36.7 years¹. For an example of the disparity of the age distribution of Alaska versus that of the United States, please refer to Figure H.1 in Appendix H. For further information about interpretation of vital statistics, refer to "How to Use Vital Statistics" in Appendix B.

HOW CERTIFICATES ARE PROCESSED

In 1994, the Bureau instituted an Electronic Birth Certificate (EBC) system. This system enables hospital and clinic staff to record all birth certificate information by computer. As information is entered for each individual certificate, the computer checks for invalid or improbable data. When the certificate has been entered on the EBC system, the data is certified, recorded, and filed by the Bureau. Each certificate is then examined electronically for missing or out-of-range information and returned to the facility or birth attendant for verification and/or correction.

Other vital records received by the Bureau go through a different verification process. First, a trained documents processor reviews the certificate for completeness. If the certificate is incomplete it is returned to the appropriate office for completion. Once a document has been received and accepted, two different employees enter information into the database. This double-entry verification process reduces data entry errors.

A physician or medical examiner determines causes of death and narrative descriptions are entered on the death certificate. The narrative causes of death are typed into a computer file by Bureau staff. SuperMICAR, a program produced, maintained, and provided by the National Center for Health Statistics (NCHS), codes 85–90 percent of causes of death according to ICD-10 standards. (See Appendix C for groupings of ICD-10 causes of death). The Bureau transmits the computer file by diskette or e-mail to NCHS. NCHS completes coding for the remainder of the records. This coding is then returned to the Bureau and uploaded into its database.

¹ U.S. Census Bureau; 2008 American Community Survey, Subject Tables. S0101. Age and Sex.

HOW THIS REPORT WAS PREPARED

After documents have been entered into the Bureau's database, research staff perform computer checks to test for missing, out-of-range, and duplicate data. Because this report is based not only on events that occur in Alaska, but also events that occur in other states to Alaska residents, there may be a significant lag time before data is received.

Waiting for all data to arrive and eliminating duplicate entries are both important steps for ensuring the most accurate report possible. Once we believe the data is both accurate and complete, data programs can be run to generate information from which the tables, charts, and narrative analyses can be written for this report.

There are a number of ways to report vital events including numbers of events, rates based on total populations, or rates based on specific populations. For a discussion of the use of vital statistics and a comparison of different populations, see Appendix B.

DETERMINATION OF RACE

The National Center for Health Statistics (NCHS) issues guidelines for determining the race of a child at birth. With few exceptions, the child's race on the birth certificate is the same as the mother's stated race. These guidelines became effective in 1989.

Sometimes race will be recorded differently on death certificates. This can distort death rates, particularly in the case of infant mortality, where a child's race may be reported as white on the birth certificate because the mother is white, and Native on the death certificate because the father is Native. To ensure consistent reporting and calculation of rates, all death certificates for decedents who were born in Alaska in 1989 or later are matched with the birth certificate and the child's race at birth is used for calculating deaths and death rates by race.

BIRTHS



"The Embrace"
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In 2008...

- Alaskan mothers gave birth to 11,437 babies.
- July had the most births (1,016), while November had the fewest births (864).
- The median age of mothers was 26 years old and the median age of fathers was 29.
- The youngest mother was 12 years old, while the youngest father was 14 years old.
- The oldest mother was 61 years old and the oldest father was 74 years old.
- Emma was the most popular girl's name and James was the most popular boy's name.

Birth Summary

For the sixth consecutive year, the number of births to Alaskan mothers has risen. The overall level has risen 14.8 percent since 1999. Births to Native and white mothers continue to comprise the majority of Alaska's births.

Crude birth rates measure how many births occur per 1,000 population. Crude rates have increased 8.3 percent from their 10-year low of 15.5 in 2002.

Fertility rates measure how many births occur per 1,000 female population between the ages 15 and 44. As this measure only takes into account the portion of the population that typically bears children, fertility rates are a more meaningful measure of birth patterns. The overall fertility rate of Alaskan mothers has increased 12.9 percent since 1999.

Table 1: Number of Births by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	457	633	634	686	701	755	760	871	845	941
Black	429	462	439	427	393	384	407	427	451	423
Native	2,427	2,454	2,496	2,399	2,460	2,577	2,704	2,699	2,775	2,890
White	6,475	6,299	6,312	6,270	6,385	6,480	6,430	6,786	6,744	7,058
Alaska	9,962	9,978	10,005	9,946	10,086	10,336	10,452	10,997	11,054	11,437

Table 2: Crude Birth Rates by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	14.8	18.1	18.6	19.9	20.3	21.7	20.7	23.4	22.5	24.8
Black	15.5	18.1	16.7	16.0	15.1	15.0	13.9	14.4	15.1	13.9
Native	23.2	22.1	22.6	21.5	21.6	22.3	23.0	22.6	22.8	23.7
White	14.1	13.8	13.7	13.4	13.5	13.5	13.4	14.0	13.9	14.4
Alaska	16.0	15.9	15.8	15.5	15.6	15.7	15.8	16.4	16.4	16.8

Table 3: Fertility Rates by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	62.4	74.1	75.9	83.0	87.4	96.0	92.5	106.9	106.2	120.6
Black	65.0	76.6	72.9	71.0	67.2	67.8	62.1	63.9	67.0	61.8
Native	104.3	98.5	101.3	97.0	97.5	100.5	103.9	103.1	104.8	110.2
White	64.2	61.7	62.2	61.7	63.1	63.6	64.0	67.7	67.7	70.9
Alaska	72.1	70.5	71.2	70.8	71.8	73.3	74.0	77.9	78.5	81.4

Births by Age Group

Fertility rates by age group or age-specific fertility rates vary substantially. Alaskan mothers between the ages of 20 and 29 continue to have the highest fertility rates by age group.

While total numbers have remained steady, teen (15-19) birth rates have declined 11.4 percent since 1999.

As the two predominant races in Alaska, births to Native and white teens comprise most of these teen births. In 2008, Native teen mothers gave birth more frequently than any other race of teen mothers.

Native teen birth rates remain approximately three times higher than white teen birth rates. In 2008, for every 1,000 Native teen females, about 83 of them gave birth.

Table 4: Age-Specific Fertility Rates (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
15-19	47.8	49.2	42.7	41.7	40.7	41.0	39.1	41.0	41.4	42.3
20-24	156.2	144.6	150.3	150.4	148.5	148.3	143.0	146.2	145.8	146.9
25-29	158.9	130.2	132.3	130.3	132.0	134.4	142.5	149.8	154.1	158.0
30-34	89.7	91.0	92.5	91.6	92.1	94.0	92.5	95.4	94.3	98.2
35-39	39.6	39.1	43.6	41.8	43.8	46.3	45.2	49.8	45.2	46.6
40-44	8.7	9.7	9.6	10.5	10.8	9.4	11.4	10.6	10.7	11.6
Total	72.1	70.5	71.2	70.8	71.8	73.3	74.0	77.9	78.5	81.4

Table 5: Teen (15-19) Birth Numbers by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	51	60	56	60	60	73	80	90	81	84
Black	71	84	64	56	57	41	50	61	70	53
Native	422	444	449	416	414	448	429	470	453	500
White	558	561	478	515	506	503	471	467	484	487
Alaska	1,122	1,159	1,055	1,066	1,049	1,074	1,038	1,102	1,115	1,134

Table 6: Teen (15-19) Birth Rates by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	49.1	44.1	37.0	39.5	39.9	47.7	49.6	55.1	50.5	52.8
Black	65.7	83.6	62.3	53.5	55.9	40.2	43.0	51.3	57.7	42.2
Native	83.3	86.6	85.5	76.5	74.0	77.3	72.0	77.2	73.5	82.8
White	34.3	34.9	28.2	29.3	28.7	28.2	26.4	26.0	27.0	27.2
Alaska	47.8	49.2	42.7	41.7	40.7	41.0	39.1	41.0	41.4	42.3

Medical Services Utilization

In 2008, the overall level of mothers receiving first trimester care decreased from 77.7 to 76.2. Native and Asian/Pacific Islanders remain less likely to initiate prenatal care during the first trimester of pregnancy.

The adequacy of prenatal care utilization (APNCU) index compares the number of prenatal visits with the expected number of visits for the period when

care began and the delivery date. Since 1999, this index in Alaska has declined 29.1 percent. Native and Asian/PI mothers remain the least likely to receive an adequate amount of prenatal care.

Like the national trends, c-sections rates within Alaska continue to rise. Since 1999, these rates have risen 34.2 percent. White mothers are twice as likely to have a c-section birth than Native mothers.

Table 7: First Trimester Prenatal Care by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	72.6	72.7	73.8	71.0	67.6	66.4	67.9	72.9	69.8	65.7
Black	83.2	78.4	78.4	78.7	74.6	77.9	78.1	82.0	77.6	73.3
Native	71.2	68.6	68.8	67.5	68.5	68.0	70.5	70.7	68.0	66.1
White	81.4	82.9	82.3	81.5	80.8	81.7	83.5	82.9	83.0	82.0
Alaska	78.4	78.1	77.9	76.9	76.3	76.7	78.6	79.0	77.7	76.2

Table 8: Adequacy of Prenatal Care Utilization (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	60.4	57.3	54.3	52.5	51.4	50.5	56.1	51.3	51.8	46.5
Black	79.7	67.3	64.9	60.0	55.2	52.9	58.2	59.3	53.7	44.0
Native	46.9	49.4	47.7	43.9	45.9	39.7	46.0	43.9	38.9	39.0
White	74.6	70.6	66.8	64.4	64.0	63.2	66.2	63.6	63.3	58.5
Alaska	67.1	63.9	60.9	58.1	58.1	55.8	59.7	57.6	55.6	52.0

Table 9: C-Section Rates by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	14.9	18.5	20.7	23.6	25.8	19.9	27.9	25.1	23.7	28.8
Black	16.3	23.2	22.3	21.8	27.0	26.3	28.7	26.9	26.8	27.9
Native	9.2	10.3	11.5	11.1	11.6	12.8	11.7	12.6	11.3	13.0
White	16.8	19.0	21.2	21.8	24.3	24.0	25.0	26.5	26.7	25.3
Alaska	14.9	17.0	18.8	19.4	21.4	20.9	21.9	23.1	22.6	22.6

Infant Health Characteristics

A low birth weight birth is one in which the infant weighs less than 2500 grams (approximately 5.5 pounds). Since 1999, the overall percentage of low birth weight births has remained within a narrow band. In 2008, black mothers had the highest percentage at 11.8 percent.

consistently more likely to carry their child to term than the other three races within Alaska. In 2008, Black mothers had the highest percent of preterm births.

A preterm birth is one in which the delivery occurs before 37 weeks of gestation. Since 1999, this rate has decreased 3.9 percent. White mothers remain

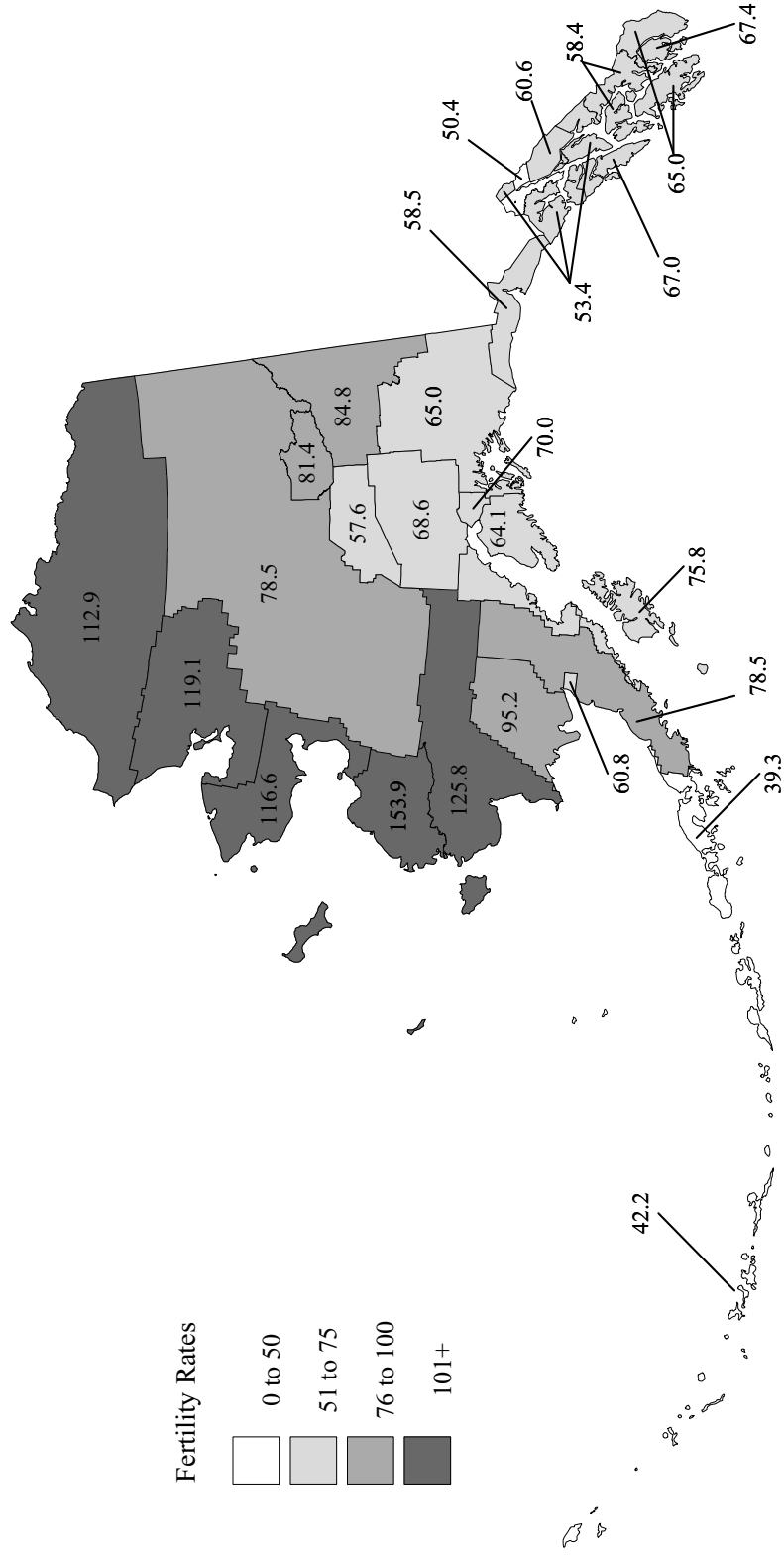
Table 10: Low Birth Weight Percentages by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	7.7	7.7	6.3	8.2	5.6	6.8	7.0	6.7	5.3	6.7
Black	10.3	11.5	10.9	11.0	9.4	10.4	14.3	9.1	11.1	11.8
Native	6.0	5.7	5.8	5.9	6.1	6.1	5.0	5.0	4.8	6.6
White	5.2	4.8	5.1	5.0	5.6	5.5	5.7	5.9	5.7	5.3
Alaska	5.7	5.6	5.6	5.8	5.9	6.0	6.0	5.9	5.6	6.0

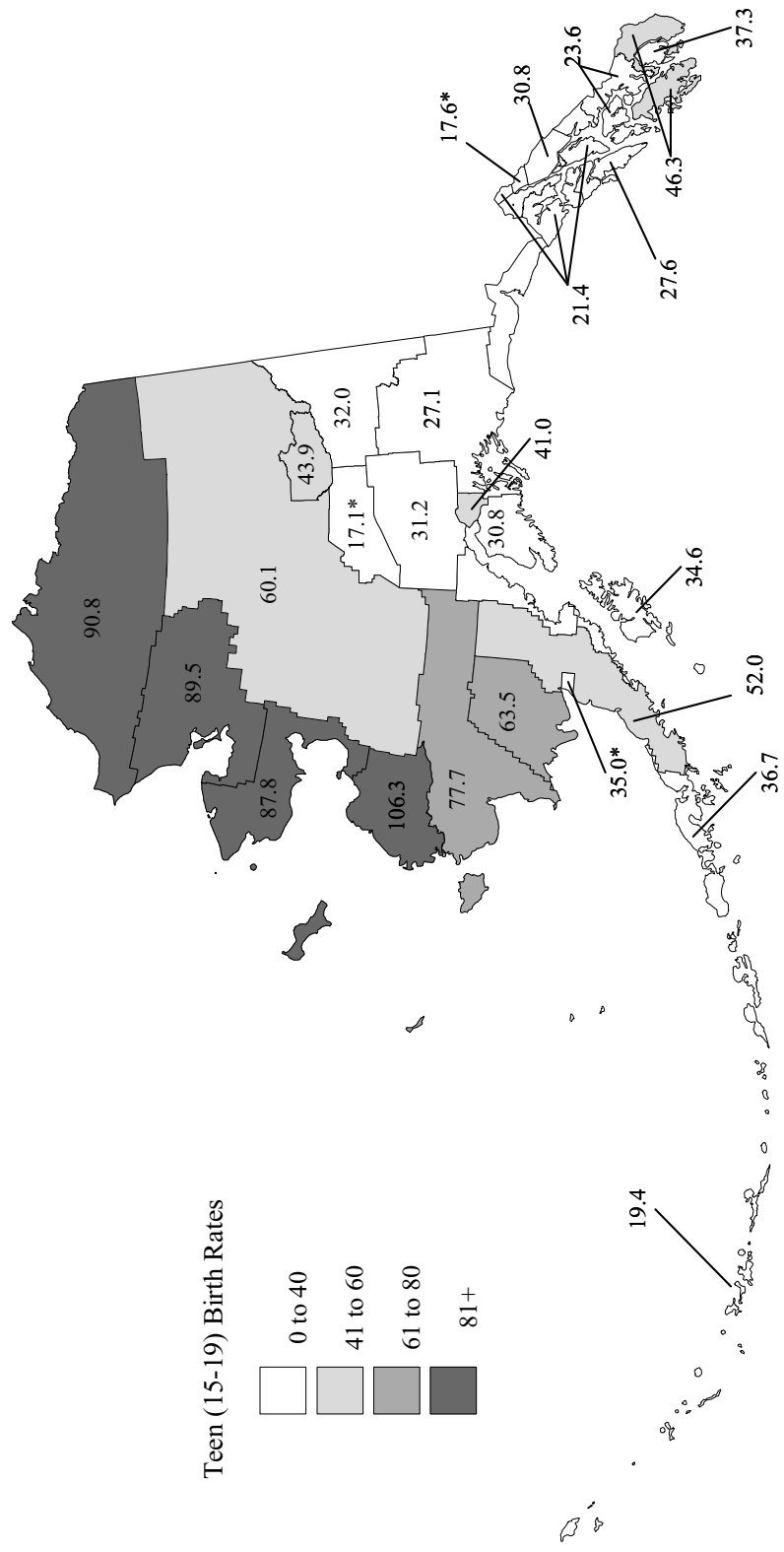
Table 11: Preterm Birth Percentages by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	14.7	10.0	10.4	12.1	11.1	10.9	11.8	13.0	12.3	12.1
Black	14.2	16.2	15.5	12.9	16.3	14.1	15.2	12.6	14.0	13.7
Native	12.4	11.9	13.3	12.5	12.4	11.6	11.9	12.0	11.7	13.0
White	9.6	9.0	8.4	8.2	10.0	9.7	9.7	10.4	9.4	8.9
Alaska	10.8	10.1	10.1	9.8	11.0	10.5	10.7	11.2	10.4	10.3

Fertility Rates by Census Area or Borough 1999-2008

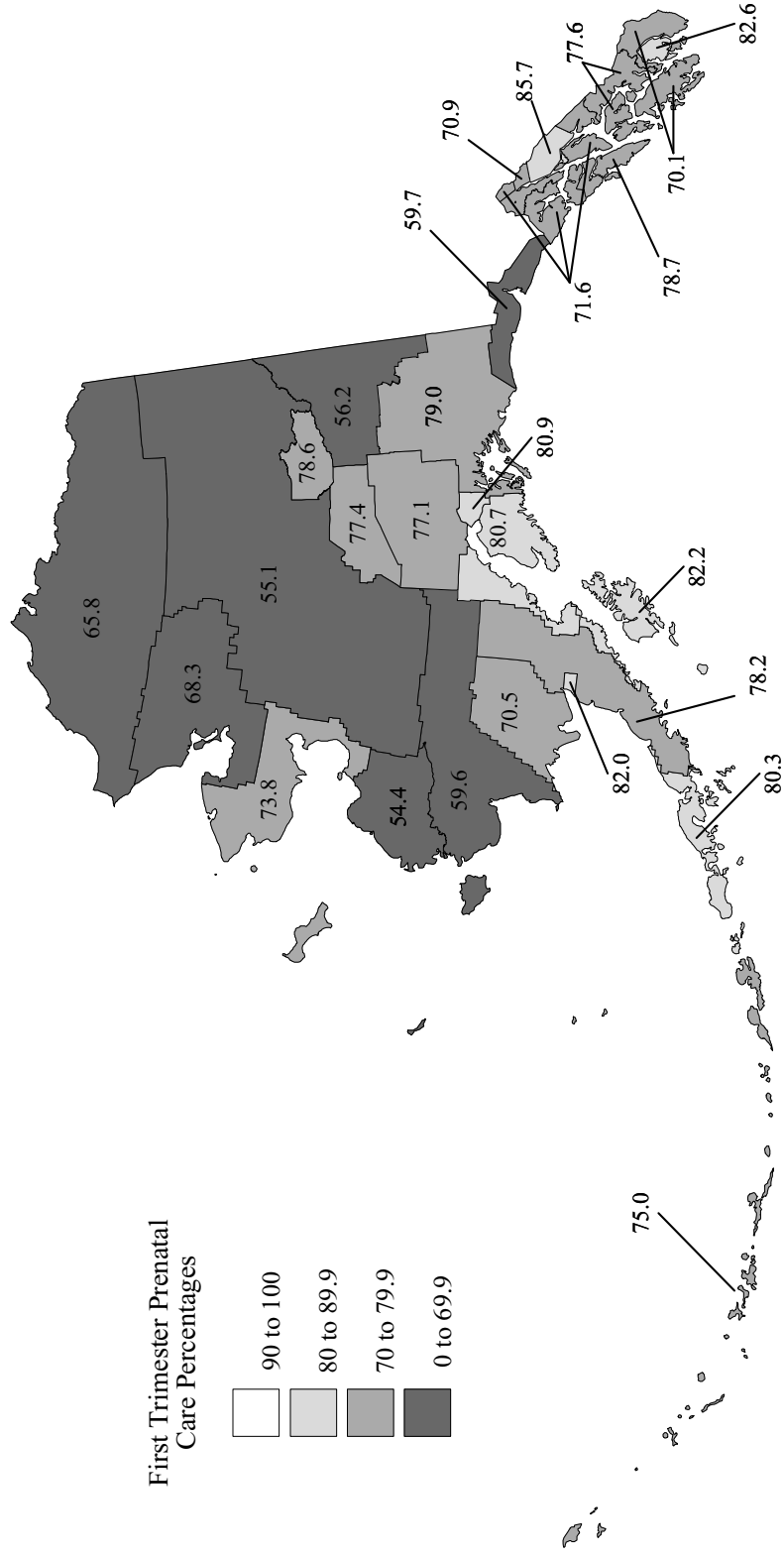


Teen (15-19) Birth Rates by Census Area or Borough 1999-2008

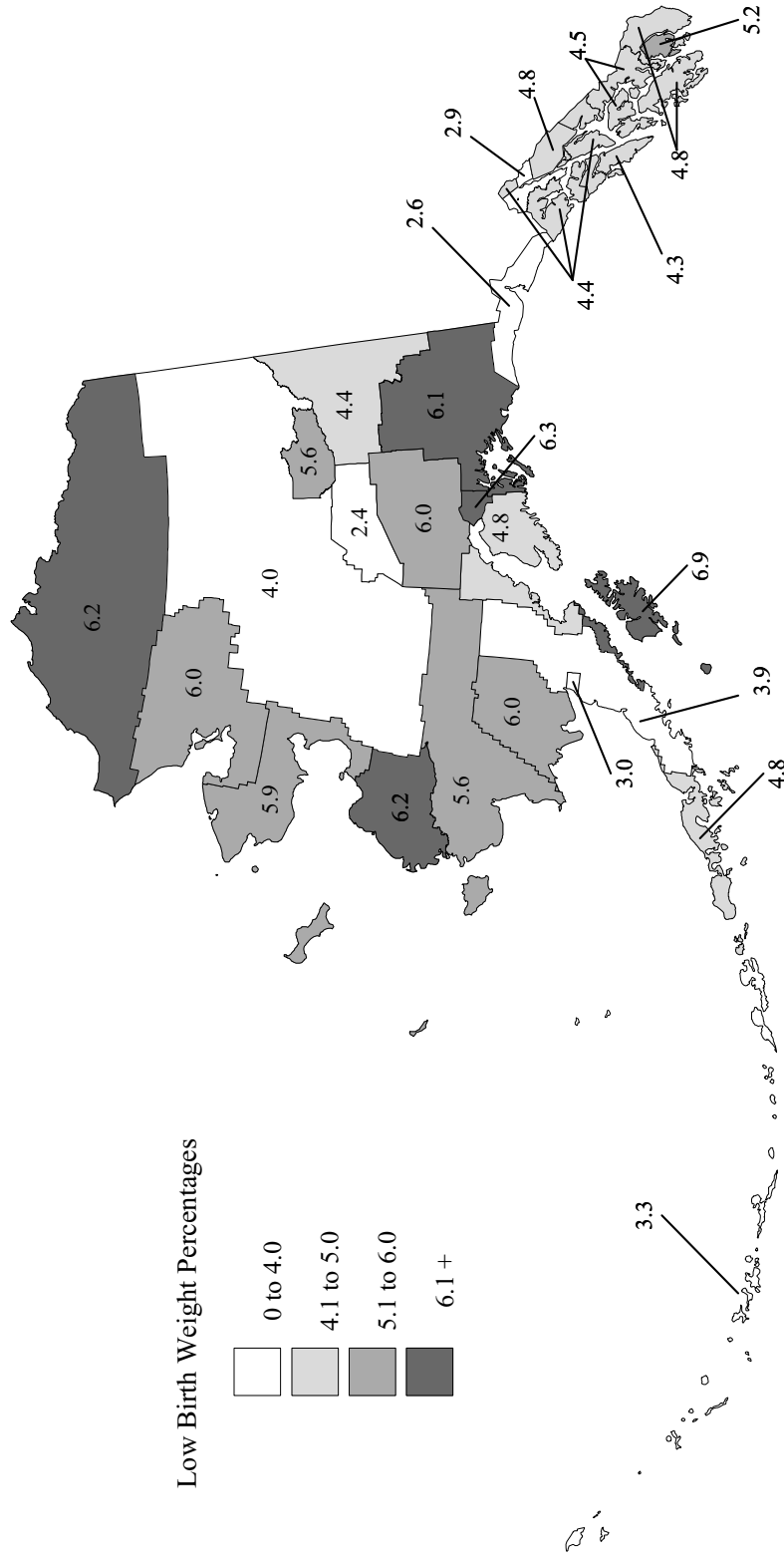


*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.
 **Rates based on fewer than 6 occurrences are not reported.

First Trimester Prenatal Care by Census Area or Borough 1999-2008



Low Birth Weight Percentages by Census Area or Borough 1999-2008



FETAL, INFANT, AND CHILD DEATHS



*"Priest, Yukon River"
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In 2008...

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

Fetal and Infant Death Summary¹

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

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

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

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

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

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

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

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

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

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

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

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

Neonatal Infant Deaths^{1,2}

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

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

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

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

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

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

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

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

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

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

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

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

Postneonatal Infant Deaths^{1,2}

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

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

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

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

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

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

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

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

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

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

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

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

Child Mortality Summary¹

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

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

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

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

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

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

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

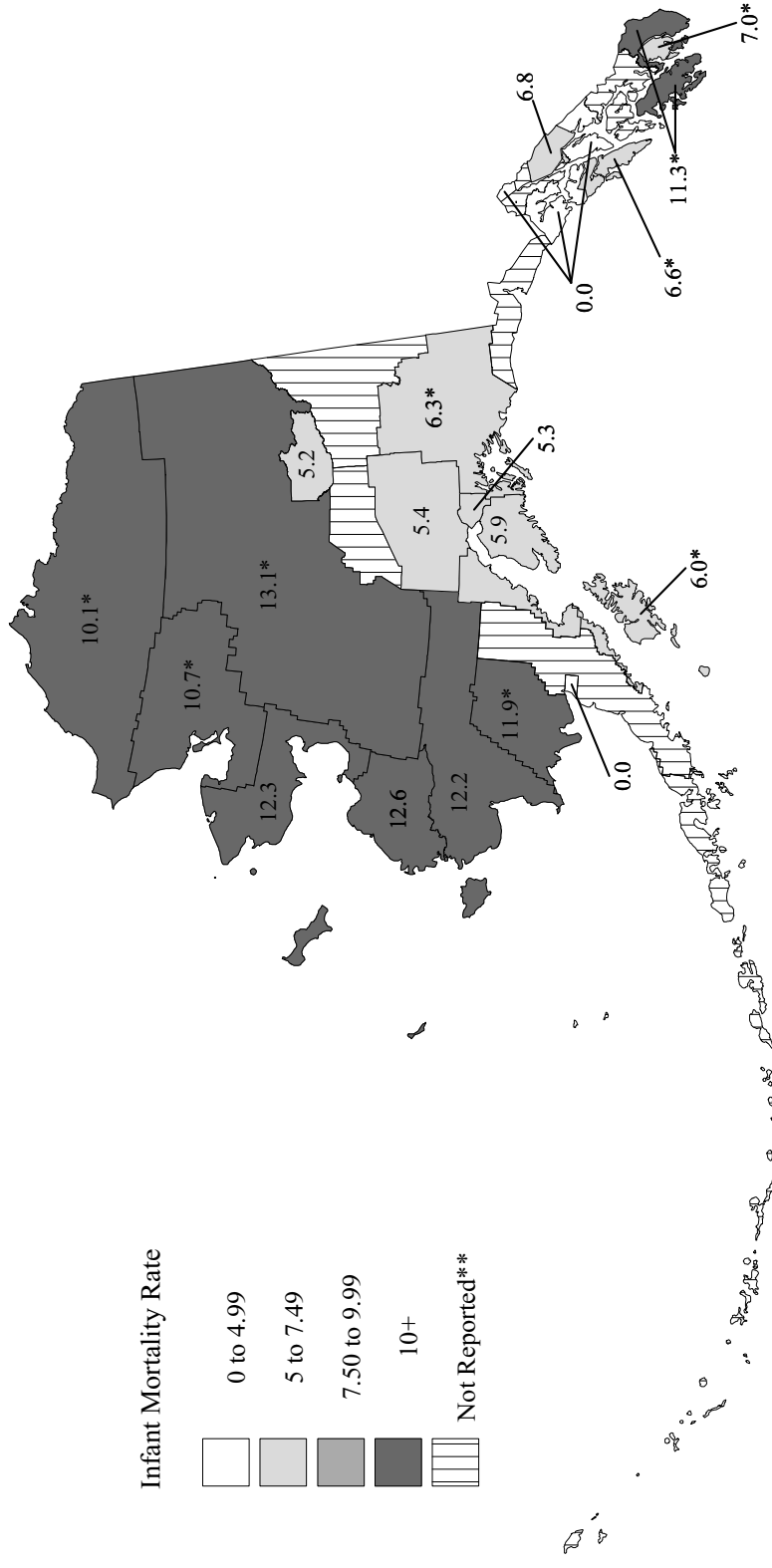
	97-99	98-00	99-01	00-02	01-03	02-04	03-05	04-06	05-07	06-08
Native	45.2	39.5	43.8	51.0	49.1	48.3	43.4	49.8	53.3	55.2
White	21.0	19.6	19.0	22.4	25.7	25.2	25.4	24.6	22.4	19.1
Alaska	25.7	23.1	22.7	26.5	30.4	30.8	30.4	29.2	28.7	26.6

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

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

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

Infant Mortality Rates by Census Area or Borough 1999-2008



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

DEATHS



"Seabirds, St. George"
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In 2008..

- There were 3,489 deaths to Alaska residents.
- More Alaskans died in October than any other month. The fewest deaths occurred in July.
- The oldest female decedent was 103 years. The oldest male decedent was 103 years old.
- The median female age at death was 72. The median male age at death was 62.
- The median age of Alaskans at death was 67 years old.
- The median age at death of white Alaskans was 69 years, while the median age at death of Alaska Natives was 59 years.

Death Summary

In 2008, 3,489 Alaskans died. As the two most prominent races in Alaska, Alaska Native and white Alaskans comprise the majority of Alaska's deaths.

Crude death rates measure how many Alaskans died per 100,000 population. Since 1999, Alaska's crude death rates have increased 18.3 percent. Alaska Native crude death rates were about 31.1 percent higher than white crude death rates.

When comparing death rates between different populations, age-adjusted death rates should be used. This is because populations with a higher proportion of elderly people, will tend to have higher crude death rates. In 2008, Alaska's age-adjusted death rates were 761.6 deaths per 100,000 U.S. year 2000 standard population. Alaska Native age-adjusted rates are about 38.4 percent higher than white age-adjusted rates.

Table 24: Number of Deaths by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	80	101	76	89	122	96	110	122	113	111
Black	70	80	78	84	79	98	81	77	97	102
Native	650	663	709	703	728	704	767	756	820	801
White	1,892	2,067	2,120	2,142	2,236	2,143	2,180	2,370	2,413	2,452
Alaska	2,698	2,922	2,992	3,034	3,185	3,051	3,164	3,351	3,464	3,489

Table 25: Crude Death Rates by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	258.3	288.5	222.4	258.1	353.7	276.0	299.3	327.8	301.0	293.1
Black	253.5	313.1	296.2	314.6	303.2	382.1	276.9	259.8	324.2	336.1
Native	620.6	596.8	642.6	630.3	640.4	608.5	651.5	632.9	675.0	656.9
White	412.5	454.0	459.7	458.2	472.8	446.1	454.8	490.3	496.9	500.9
Alaska	433.8	466.1	473.4	473.9	492.1	464.7	477.2	500.4	513.6	513.3

Table 26: Age-Adjusted Death Rates by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	509.5	552.2	413.9	476.9	566.0	420.9	428.6	475.2	398.0	370.9
Black	819.0	988.7	759.9	728.1	685.4	764.7	599.2	539.0	651.7	694.0
Native	1154.0	1066.2	1119.0	1071.7	1122.6	1040.4	1113.5	1050.7	1096.1	1024.4
White	849.0	848.2	810.0	767.1	792.1	711.8	711.0	758.3	742.0	740.2
Alaska	873.1	871.8	839.6	800.6	834.8	749.9	759.2	786.5	777.0	761.6

Malignant Neoplasms (Cancer)

ICD-9: 140–208

ICD-10: C00–C97

Malignant neoplasms or cancer continues to be the leading cause of death of Alaskans. In 2008, 857 Alaskans lost their lives to cancer. More Alaskans died to cancer of the trachea, bronchus, and lung (lung cancer) than any other type of cancer. In 2008, 141 males and 116 females lost their lives to lung cancer.

Among the leading causes of death in Alaska, cancer ranked second in total years of potential life

lost (YPLL) with 8,533.5 years lost. On average, 10.0 years of life were lost prematurely for each cancer death.

Since 1999, the crude death rate has increased 26.1% from 100.0 to 126.1 deaths per 100,000 Alaskans. The age-adjusted death rate for cancer has decreased 5.5% from 192.5 to 181.9 deaths per 100,000 U.S. year 2000 standard population.

Table 27: Number of Deaths Due to Cancer (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	17	26	21	24	21	21	33	25	29	33
Black	6	21	20	22	15	16	26	12	25	28
Native	123	125	141	143	141	153	134	159	180	154
White	474	531	497	522	549	530	528	581	599	637
Alaska	622	708	680	712	732	723	723	781	837	857

Table 28: Crude Rates of Deaths Due to Cancer (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	117.4	112.5	127.8	128.2	124.0	132.2	113.8	133.1	148.2	126.3
White	103.3	116.6	107.8	111.7	116.1	110.3	110.1	120.2	123.4	130.1
Alaska	100.0	112.9	107.6	111.2	113.1	110.1	109.0	116.6	124.1	126.1

Table 29: Age-Adjusted Rates of Deaths Due to Cancer (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	236.4	232.5	246.2	242.1	235.3	259.5	199.9	229.8	256.9	210.9
White	194.8	208.5	185.4	183.3	184.5	174.7	165.8	176.0	174.2	181.3
Alaska	192.5	209.6	192.2	189.6	187.9	184.2	169.7	177.8	183.9	181.9

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

Diseases of the Heart (Heart Disease)

ICD-9: 390-398, 402, 404, 410-429

ICD-10: I00-I09, I11, I20-I51

Diseases of the heart or heart disease remains the second leading cause of death of Alaskans. In 2008, heart disease claimed the lives of 627 Alaskans.

Among the leading causes of death, heart disease ranked fourth in total years of potential life lost (YPLL) with 5,701 years lost. On average, 9.1 years of life were lost prematurely for each heart disease death.

Since 1999, the crude death rate for diseases of the heart has increased 2.3 percent from 90.2 to 92.2 deaths per 100,000 Alaskans. During this time period, the age-adjusted death rate has decreased 28.5 percent from 206.7 to 147.8 deaths per 100,000 U.S. year 2000 standard population.

Table 30: Number of Deaths Due to Heart Disease (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	19	16	17	16	29	18	19	24	17	21
Black	18	21	16	14	22	21	16	15	16	19
Native	86	100	123	97	116	107	109	111	107	114
White	436	468	503	454	503	433	465	478	466	471
Alaska	561	609	660	586	675	581	615	631	609	627

Table 31: Crude Rates of Deaths Due to Heart Disease (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	82.1	90.0	111.5	87.0	102.0	92.5	92.6	92.9	88.1	93.5
White	95.1	102.8	109.1	97.1	106.3	90.1	97.0	98.9	96.0	96.2
Alaska	90.2	97.1	104.4	91.5	104.3	88.5	92.7	94.2	90.3	92.2

Table 32: Age-Adjusted Rates of Deaths Due to Heart Disease (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	196.6	211.5	237.7	178.5	210.3	189.1	187.0	177.3	174.8	158.8
White	212.9	216.1	209.4	178.0	192.2	153.6	161.8	171.0	154.5	152.7
Alaska	206.7	213.1	207.5	172.9	194.7	155.7	161.7	166.1	151.2	147.8

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

Unintentional Injuries (Accidents)

ICD-9: E800-E869, E880-E929

ICD-10: V01-X59, Y85-Y86

Unintentional injuries or accidents remains the third leading cause of death of Alaskans. In 2008, accidents claimed the lives of 331 Alaskans. More Alaskans died due to a motor vehicle accident than any other type of accidental death. In 2008, 52 males and 20 females lost their lives to motor vehicle accidents.

Among the leading causes of death, accidental death ranked first in total years of potential life

lost (YPLL) with 10,842.5 years lost. On average, 32.8 years of life were lost prematurely for each accidental death.

Since 1999, the crude rate for unintentional injuries has risen 2.7 percent from 47.4 to 48.7 deaths per 100,000 Alaskans. During this time period, the age-adjusted rate has decreased 4.5 percent from 57.5 to 54.9 deaths per 100,000 U.S. year 2000 standard population.

Table 33: Number of Deaths Due to Accidents (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	8	9	7	7	9	9	4	5	11	3
Black	8	5	8	5	11	10	1	4	9	4
Native	99	110	114	98	83	83	108	95	120	99
White	179	215	218	232	216	217	196	206	213	223
Alaska	295	340	348	345	320	319	311	313	355	331

Table 34: Crude Rates of Deaths Due to Accidents (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	94.5	99.0	103.3	87.9	73.0	71.7	91.7	79.5	98.8	81.2
White	39.0	47.2	47.3	49.6	45.7	45.2	40.9	42.6	43.9	45.6
Alaska	47.4	54.2	55.1	53.9	49.4	48.6	46.9	46.7	52.6	48.7

Table 35: Age-Adjusted Rates of Deaths Due to Accidents (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	123.4	116.6	117.2	104.3	79.5	90.2	103.8	94.5	107.0	96.9
White	47.5	54.6	52.9	53.8	51.5	49.7	43.4	46.6	48.4	50.8
Alaska	57.5	63.9	61.1	59.2	55.4	55.1	50.7	52.4	57.3	54.9

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

Chronic Lower Respiratory Disease (Chronic Obstructive Pulmonary Disease)

ICD-9: 490-494, 496

ICD-10: J40-J47

Chronic lower respiratory disease (CLRD) or chronic obstructive pulmonary disease moved up to become the fourth leading cause of death in Alaska. In 2008, CLRD claimed the lives of 181 Alaskans.

Among the leading causes of death, CLRD ranked eighth in total years of potential life lost (YPLL) with 1,118 years lost. On average, 6.2 years of life were lost prematurely for each CLRD death.

Since 1999, the overall crude death rate for CLRD has increased 14.2 percent from 23.3 to 26.6 deaths per 100,000 Alaskans. During the same time period, the age-adjusted rate has decreased 23.6 percent from 48.6 to 44.8 deaths per 100,000 U.S. year 2000 standard population.

Table 36: Number of Deaths Due to Chronic Lower Respiratory Disease (99-08)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	4	0	4	1	5	3	3	6	3	4
Black	3	1	3	2	1	4	0	2	1	2
Native	28	31	32	33	29	27	37	31	33	44
White	110	100	108	104	112	104	114	99	135	130
Alaska	145	132	148	140	148	138	155	139	173	181

Table 37: Crude Rates of Chronic Lower Respiratory Disease Deaths (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	26.7	27.9	29.0	29.6	25.5	23.3	31.4	26.0	27.2	36.1
White	24.0	22.0	23.4	22.2	23.7	21.6	23.8	20.5	27.8	26.6
Alaska	23.3	21.1	23.4	21.9	22.9	21.0	23.4	20.8	25.6	26.6

Table 38: Age-Adjusted Rates of Chronic Lower Respiratory Disease Deaths (99-08)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	65.1	63.7	66.6	66.9	56.1	51.8	65.3	54.0	51.6	70.3
White	61.0	48.9	48.6	46.0	47.4	38.7	40.5	35.1	47.6	43.0
Alaska	58.6	47.6	50.5	47.0	46.6	39.6	42.0	37.5	45.2	44.8

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

Cerebrovascular Disease (Stroke)

ICD-9: 430-434, 436-438

ICD-10: I60-I69

Cerebrovascular disease or stroke dropped to the fifth leading cause of death in Alaska. In 2008, stroke claimed the lives of 169 Alaskans.

Among the leading causes of death in Alaska, cerebrovascular disease ranked fifth in years of potential life lost (YPLL) with 1,314 years lost. On average, 7.8 years of life were lost prematurely for each stroke death.

Since 1999, the overall crude death rate for stroke has decreased 10.0 percent from 27.7 to 24.9 deaths per 100,000 population. During this same time period, the age-adjusted rate has decreased 42.2 percent from 75.4 to 43.6 deaths per 100,000 U.S. year 2000 standard population.

Table 39: Number of Deaths Due to Stroke (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	7	12	5	13	19	9	8	12	9	12
Black	6	7	6	5	5	6	7	6	5	12
Native	34	25	39	20	46	34	48	33	26	32
White	125	125	110	119	111	124	111	121	113	111
Alaska	172	169	161	157	182	173	176	174	156	169

Table 40: Crude Rates of Deaths Due to Stroke (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	32.5	22.5	35.3	17.9	40.5	29.4	40.8	27.6	21.4	26.2
White	27.3	27.5	23.9	25.5	23.5	25.8	23.2	25.0	23.3	22.7
Alaska	27.7	27.0	25.5	24.5	28.1	26.3	26.5	26.0	23.1	24.9

Table 41: Age-Adjusted Rates of Deaths Due to Stroke (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	82.5	54.2	77.0	34.7	87.3	66.0	85.0	56.5	49.0	53.5
White	76.1	68.8	55.7	56.9	51.5	50.8	47.2	44.3	44.8	40.5
Alaska	75.4	65.6	59.2	55.4	60.0	52.3	53.1	47.1	45.3	43.6

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

Intentional Self-Harm (Suicide)

ICD-9: 950-959

ICD-10: U03, X60-X84, Y87.0

Intentional self-harm or suicide remains the sixth leading cause of death in Alaska. Firearms was the leading manner of suicide death with 114 deaths.

Among the leading causes of death in Alaska, suicide ranked third in total years of potential life lost (YPLL) with 6,031.5 years lost. On average 36.1 years of life were lost prematurely for each suicide death.

Since 1999, the overall crude death rate for suicides has increased 59.2 percent from 15.4 to 24.6 deaths per 100,000 Alaskans. During this same time period, the age-adjusted rate for suicides has increased 43.5 percent from 17.3 to 24.8 deaths per 100,000 U.S. year 2000 standard population.

Table 42: Number of Deaths Due to Suicide (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	1	1	1	0	6	3	2	3	3	3
Black	1	2	0	0	0	4	0	1	5	2
Native	34	54	31	42	42	60	48	45	47	52
White	60	78	71	89	74	86	75	81	94	110
Alaska	96	135	103	131	123	154	127	132	149	167

Table 43: Crude Rates of Deaths Due to Suicide (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	32.5	48.6	28.1	37.7	36.9	51.9	40.8	37.7	38.7	42.6
White	13.1	17.1	15.4	19.0	15.6	17.9	15.6	16.8	19.4	22.5
Alaska	15.4	21.5	16.3	20.5	19.0	23.5	19.2	19.7	22.1	24.6

Table 44: Age-Adjusted Rates of Deaths Due to Suicide (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	32.6	47.5	28.2	35.8	34.7	50.2	43.0	34.9	37.2	41.4
White	15.6	17.0	15.6	19.4	17.2	17.8	15.8	17.1	20.6	22.0
Alaska	17.3	21.1	16.5	20.9	20.5	23.4	19.6	20.1	23.1	24.8

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

Diabetes Mellitus

ICD-9: 250

ICD-10: E10-E14

Diabetes remains the seventh leading cause of death in Alaska. In 2008, diabetes claimed the lives of 93 Alaskans (48 males and 45 females).

Among the leading causes of death in Alaska, diabetes mellitus ranked eleventh in total years of potential life lost (YPLL) with 735 years lost. On average, 7.9 years of life were lost prematurely for each diabetes death.

Since 1999, the overall crude rate for diabetes mellitus has increased 28.9 percent from 10.6 to 13.7 deaths per 100,000 Alaskans. During this same time period, the age-adjusted rate has decreased 9.5 percent from 24.8 to 22.4 deaths per 100,000 U.S. year 2000 standard population.

Table 45: Number of Deaths Due to Diabetes Mellitus (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	4	10	4	4	2	5	6	7	8	8
Black	5	4	6	5	2	8	4	3	4	3
Native	9	13	7	9	13	10	14	16	6	10
White	48	59	65	66	84	71	69	83	86	72
Alaska	66	86	82	84	102	94	93	109	104	93

Table 46: Crude Rates of Deaths Due to Diabetes Mellitus (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	8.6*	11.7*	6.3*	8.1*	11.4*	8.6*	11.9*	13.4*	4.9*	8.2*
White	10.5	13.0	14.1	14.1	17.8	14.8	14.4	17.2	17.7	14.7
Alaska	10.6	13.7	13.0	13.1	15.8	14.3	14.0	16.3	15.4	13.7

Table 47: Age-Adjusted Rates of Deaths Due to Diabetes Mellitus (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	22.1*	26.2*	11.1*	13.5*	26.5*	13.4*	20.5*	24.0*	9.9*	15.3*
White	24.0	25.2	24.7	22.8	29.5	23.0	22.6	26.1	26.7	24.1
Alaska	24.8	26.7	23.1	21.4	27.5	22.6	22.6	26.0	23.7	22.4

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

* Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

Alzheimer's Disease

ICD-9: 331.0

ICD-10: G30

Alzheimer's disease moved up to the eighth leading cause of death in Alaska. In 2008, it claimed the lives of 79 Alaskans (21 males and 58 females).

Among the leading causes of death in Alaska, Alzheimer's disease ranked twenty sixth in terms of potential life lost (YPLL) with 32 years lost. On average, .4 years of life were lost prematurely for each Alzheimer's disease death.

Since 1999, the crude rate for Alzheimer's disease has increased 201.2 percent from 3.9 to 11.6 deaths per 100,000 Alaskans. During this same time period, the age-adjusted rate has increased 100.2 percent from 12.8 to 25.6 deaths per 100,000 U.S. year 2000 standard population.

Table 48: Number of Deaths Due to Alzheimer's Disease (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	1	0	0	0	2	0	1	1	0	4
Black	0	0	2	3	1	1	2	3	1	0
Native	5	8	1	4	4	2	11	8	8	11
White	18	39	42	53	48	45	46	60	56	64
Alaska	24	47	45	61	56	48	60	73	65	79

Table 49: Crude Rates of Deaths Due to Alzheimer's Disease (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	**	7.2*	**	**	**	**	9.3*	6.7*	6.6*	9.0*
White	3.9*	8.6	9.1	11.3	10.1	9.4	9.6	12.4	11.5	13.1
Alaska	3.9	7.5	7.1	9.5	8.7	7.3	9.0	10.9	9.6	11.6

Table 50: Age-Adjusted Rates of Deaths Due to Alzheimer's Disease (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	**	21.2*	**	**	**	**	25.9*	17.2*	16.8*	23.3*
White	12.9*	23.8	23.7	28.7	25.3	21.7	21.5	28.0	25.1	27.9
Alaska	12.8	21.5	19.3	25.4	22.1	17.5	21.2	25.4	21.6	25.6

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

* Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

** Rates based on fewer than 6 occurrences are not reported.

Chronic Liver Disease and Cirrhosis

ICD-9: 571

ICD-10: K70, K73-K74

In 2008, chronic liver disease and cirrhosis dropped from the eighth leading cause of death to the ninth leading cause of death in Alaska. It claimed the lives of 59 Alaskans (26 female and 33 male).

Among the leading causes of death in Alaska, chronic liver disease and cirrhosis ranked ninth in years of potential life lost (YPLL) with 1,212.5 years lost. On average, 20.6 years of life were lost prematurely for each chronic liver disease and

cirrhosis death.

Since 1999, the overall crude death rate for chronic liver disease and cirrhosis has increased 25.6 percent from 6.9 percent to 8.7 deaths per 100,000 Alaskans. During this same time period, the age-adjusted rate has increased .9 percent from 9.3 to 9.4 deaths per 100,000 U.S. year 2000 standard population.

Table 51: Number of Deaths Due to Chronic Liver Disease And Cirrhosis (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	0	0	0	0	0	1	1	0	0	2
Black	1	1	1	2	1	1	0	1	0	0
Native	16	13	16	11	19	18	13	9	26	17
White	26	31	39	42	37	26	36	33	44	40
Alaska	43	45	56	55	58	46	50	44	70	59

Table 52: Crude Rates of Deaths Due to Chronic Liver Disease And Cirrhosis (99-08)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	15.3*	11.7*	14.5*	9.9*	16.7*	15.6*	11.0*	7.5*	21.4	13.9*
White	5.7	6.8	8.5	9.0	7.8	5.4	7.5	6.8	9.1	8.2
Alaska	6.9	7.2	8.9	8.6	9.0	7.0	7.5	6.6	10.4	8.7

Table 53: Age-Adjusted Rates of Deaths Due to Chronic Liver Disease And Cirrhosis

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	24.0*	18.5*	19.5*	12.1*	23.2*	22.2*	14.8*	9.4*	25.4	17.1*
White	7.4	8.9	10.0	9.7	9.0	5.8	8.5	6.7	10.5	8.6
Alaska	9.3	9.6	10.7	9.5	10.6	8.0	8.8	6.9	11.6	9.4

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

* Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

Influenza and Pneumonia

ICD-9: 480-487

ICD-10: J10-J18

In 2008, influenza and pneumonia remained the tenth leading cause of death to the tenth leading cause of death. It claimed the lives of 51 Alaskans (22 male and 29 female).

Among the leading causes of death in Alaska, influenza and pneumonia ranked twelfth in years of potential life lost (YPLL) with 686.5 years lost. On average, 13.5 years of life were lost prematurely for each influenza and pneumonia death.

Since 1999, the overall crude death rate for influenza and pneumonia has increased 3.7 percent from 7.2 to 7.5 deaths per 100,000 Alaskans. During this same time period, the age-adjusted rate has decreased 39.6 percent from 21.2 to 12.8 deaths per 100,000 U.S. year 2000 standard population.

Table 54: Number of Deaths Due to Influenza And Pneumonia (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	1	3	0	2	1	1	0	0	1	0
Black	1	2	0	1	1	1	1	1	0	1
Native	14	19	12	19	24	15	15	17	11	19
White	29	23	24	28	33	25	25	31	34	31
Alaska	45	47	36	50	59	42	42	49	46	51

Table 55: Crude Rates of Deaths Due to Influenza And Pneumonia (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	13.4*	17.1*	10.9*	17.0*	21.1	13.0*	12.7*	14.2*	9.1*	15.6*
White	6.3	5.1	5.2	6.0	7.0	5.2	5.2	6.4	7.0	6.3
Alaska	7.2	7.5	5.7	7.8	9.1	6.4	6.3	7.3	6.8	7.5

Table 56: Age-Adjusted Rates of Deaths Due to Influenza And Pneumonia (99-08)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	26.7*	38.8*	24.1*	40.9*	44.9	31.4*	29.3*	25.2*	21.6*	26.0*
White	21.4	10.9	11.8	14.8	15.8	12.1	9.8	12.7	12.1	11.4
Alaska	21.2	16.5	13.0	18.7	20.2	14.5	12.1	13.7	12.8	12.8

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

* Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

Alcohol-Induced Deaths

ICD-9: 291, 303, 350.0, 357.5, 425.5, 535.3, 571.0, 571.3, 700.3, E860

ICD-10: E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, Y15

Alcohol-induced mortality includes deaths due to alcohol psychoses, alcohol dependence syndrome, non-dependent abuse of alcohol, alcohol-induced chronic liver disease and cirrhosis, and alcohol poisoning. It does not include deaths due to traumatic injury such as motor vehicle accidents.

With 147 deaths in 2008, alcohol-induced causes would have been the seventh leading cause of death if it was in the leading causes of death tabulation

list.

If included within the leading cause of death tabulation, alcohol-induced death would have ranked fifth in years of potential life lost (YPLL) with 3,455.5 years lost. On average, 23.5 years were lost prematurely for each alcohol-induced death.

Table 57: Number of Alcohol-Induced Deaths (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	1	0	0	0	0	2	0	0	3	1
Black	2	2	1	3	1	0	1	2	0	2
Native	54	46	56	64	57	53	54	51	69	66
White	34	54	63	57	62	47	63	87	72	75
Alaska	91	102	120	124	121	102	119	141	144	147

Table 58: Crude Rates of Alcohol-Induced Deaths (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	51.6	41.4	50.8	57.4	50.1	45.8	45.9	42.7	56.8	54.1
White	7.4	11.9	13.7	12.2	13.1	9.8	13.1	18.0	14.8	15.3
Alaska	14.6	16.3	19.0	19.4	18.7	15.5	17.9	21.1	21.3	21.6

Table 59: Age-Adjusted Rates of Alcohol-Induced Deaths (1999-2008)¹

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	69.1	56.7	66.5	71.4	65.4	55.5	60.7	50.6	69.7	65.9
White	7.8	12.8	14.0	11.8	14.0	9.3	13.7	17.7	13.4	14.9
Alaska	15.6	18.7	20.8	19.8	21.1	15.7	19.5	21.4	21.1	22.2

¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

* Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

Drug-Induced Deaths¹

Drug-induced mortality includes deaths from dependent and non-dependent use of drugs (legal and illegal use), and poisoning from medically prescribed and other drugs. It excludes accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths due to the mother's drug use.

in Alaska if it was in the leading cause of death tabulation list. If included within the leading cause of death tabulation, drug-induced deaths would have ranked fifth in years of potential life lost (YPLL) with 4,443.5 years lost. On average, 33.7 years were lost prematurely for each drug-induced death.

With 132 deaths in 2008, drug-induced causes would have been the seventh leading cause of death

Table 60: Number of Drug-Induced Deaths (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	2	1	1	0	0	1	0	0	0	1
Black	1	1	2	2	2	3	2	1	2	4
Native	11	14	11	15	20	18	22	13	11	30
White	41	38	58	66	64	65	61	68	62	96
Alaska	55	54	73	85	86	88	85	83	75	132

Table 61: Crude Rates of Drug-Induced Deaths (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	10.5*	12.6*	10.0*	13.4*	17.6	15.6*	18.7	10.9*	9.1*	24.6
White	8.9	8.3	12.6	14.1	13.5	13.5	12.7	14.1	12.8	19.6
Alaska	8.8	8.6	11.6	13.3	13.3	13.4	12.8	12.4	11.1	19.4

Table 62: Age-Adjusted Rates of Drug-Induced Deaths (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	13.9*	13.8*	11.0*	15.6*	19.0	17.4*	21.9	14.7*	10.1*	27.2
White	8.8	7.9	12.0	12.4	13.5	12.7	11.8	13.3	12.1	19.1
Alaska	8.9	8.5	11.5	12.4	13.4	13.1	12.4	12.6	10.8	19.6

¹ ICD-9: 292, 304, 305.2-305.9, E850-E858, E9050.0-E950.5, E962, E980.0-E980.5

ICD-10: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2, J70.3, J70.4, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1, R78.2, R78.3, R78.4, R78.5, X40-X44, X60-X64, X85, Y10-Y14

² Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

* Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

Firearm-Related Deaths

ICD-9: E922, E955.0-E995.4, E965.0-E965.4, E970, E985.0-E985.4

ICD-10: W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0

Firearm-related deaths includes deaths due to accidental discharge of a firearm and deaths due to intentional discharge (suicide or homicide.)

With 141 deaths in 2008, firearm-related deaths would have been the seventh leading cause of death in Alaska if it was in the leading causes of death tabulation list.

If included within the leading cause of death tabulation, firearm-related deaths would have ranked fifth in years of potential life lost (YPLL) with 5,128 years lost. On average, 36.4 years were lost prematurely for each firearm-related death.

Table 63: Number of Firearm-Related Deaths (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	1	1	0	1	7	4	4	6	2	3
Black	4	3	2	3	3	7	7	4	5	5
Native	30	41	33	41	37	33	43	28	30	36
White	53	70	61	81	73	72	60	70	83	97
Alaska	88	115	96	126	121	116	115	109	120	141

Table 64: Crude Rates of Firearm-Related Deaths (1999-2008)

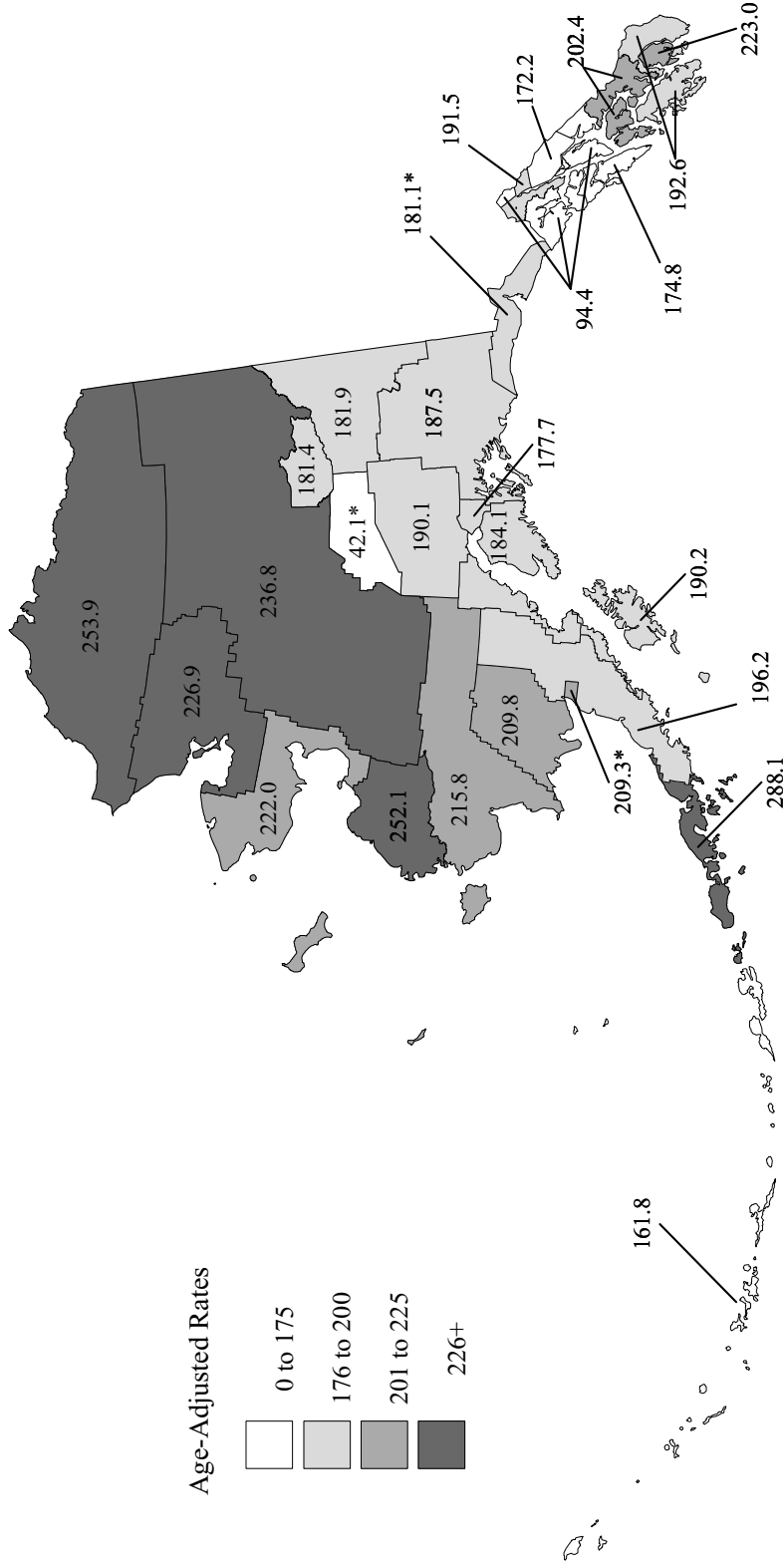
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	28.6	36.9	29.9	36.8	32.5	28.5	36.5	23.4	24.7	29.5
White	11.6	15.4	13.2	17.3	15.4	15.0	12.5	14.5	17.1	19.8
Alaska	14.1	18.3	15.2	19.7	18.7	17.7	17.3	16.3	17.8	20.7

Table 65: Age-Adjusted Rates of Firearm-Related Deaths (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Native	28.9	34.9	30.3	34.5	31.0	28.7	37.6	23.7	22.9	28.9
White	14.3	14.9	13.1	17.8	17.1	15.0	12.5	15.6	18.0	20.2
Alaska	16.3	17.8	15.1	20.0	19.9	17.7	17.5	17.2	18.6	21.3

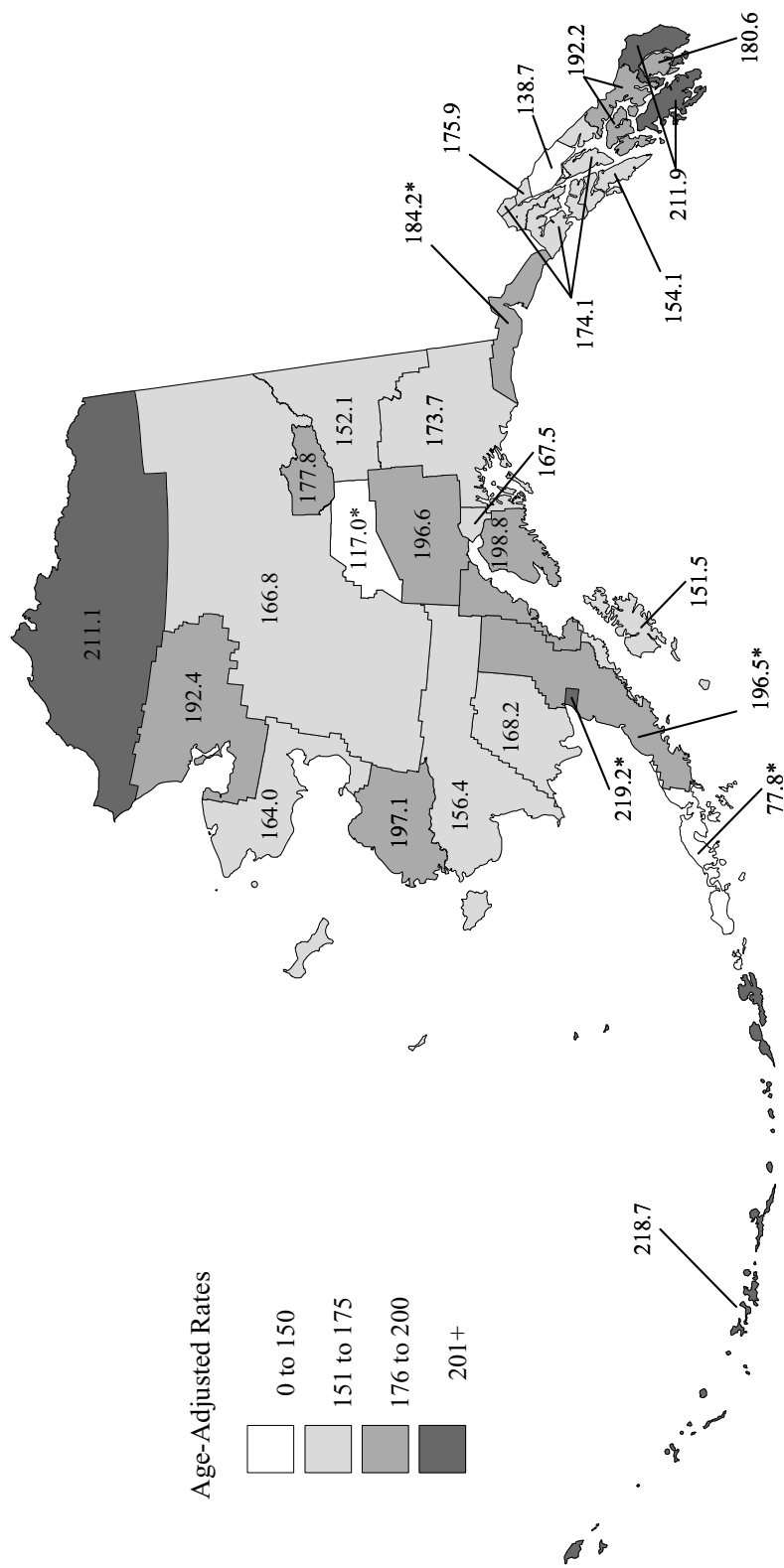
¹ Due to the low number of reportable events, only the two predominant races (Native and white) in Alaska are shown.

Cancer Deaths by Census Area or Borough 1999-2008



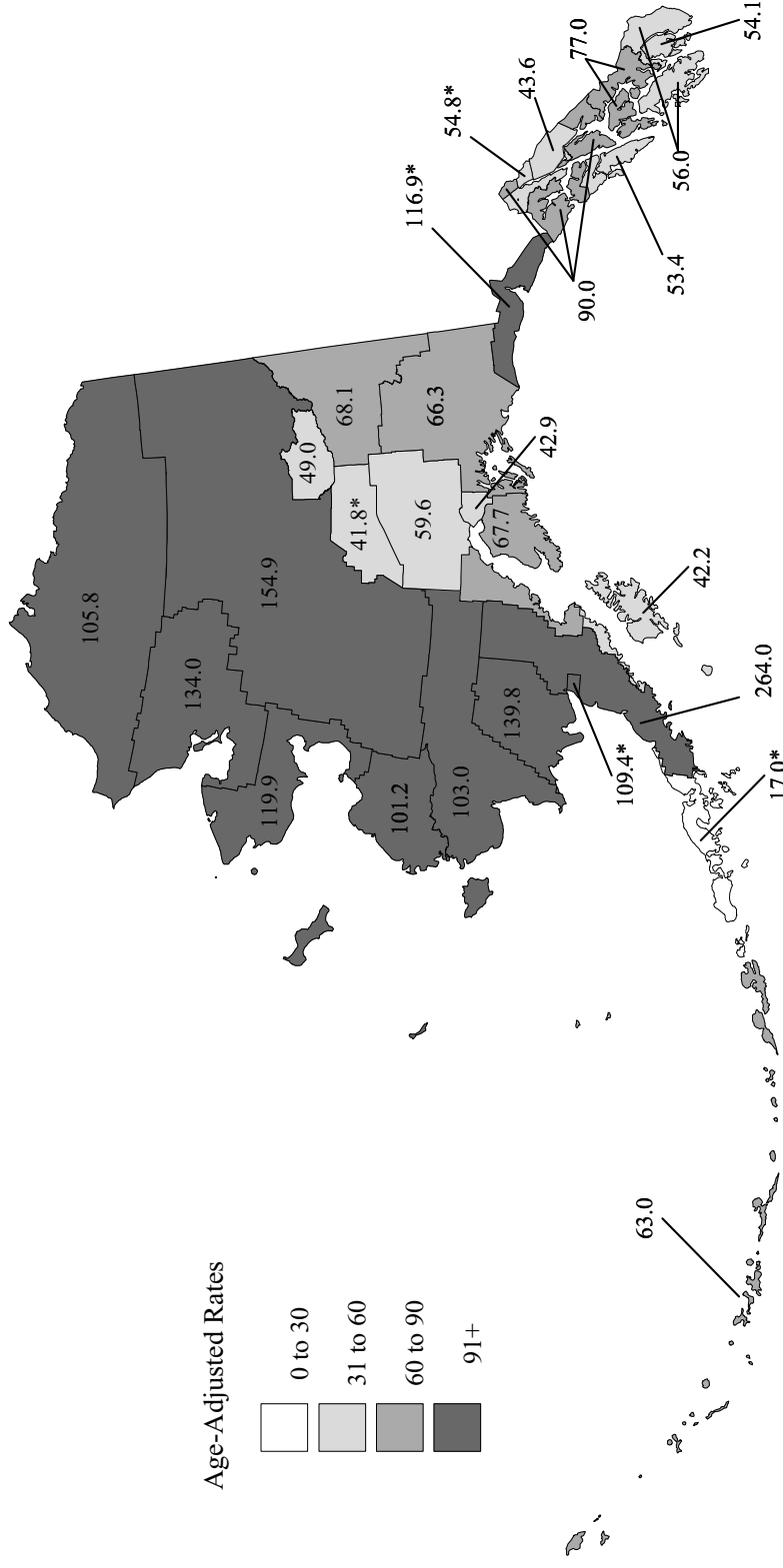
*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

Heart Disease Deaths by Census Area or Borough 1999-2008



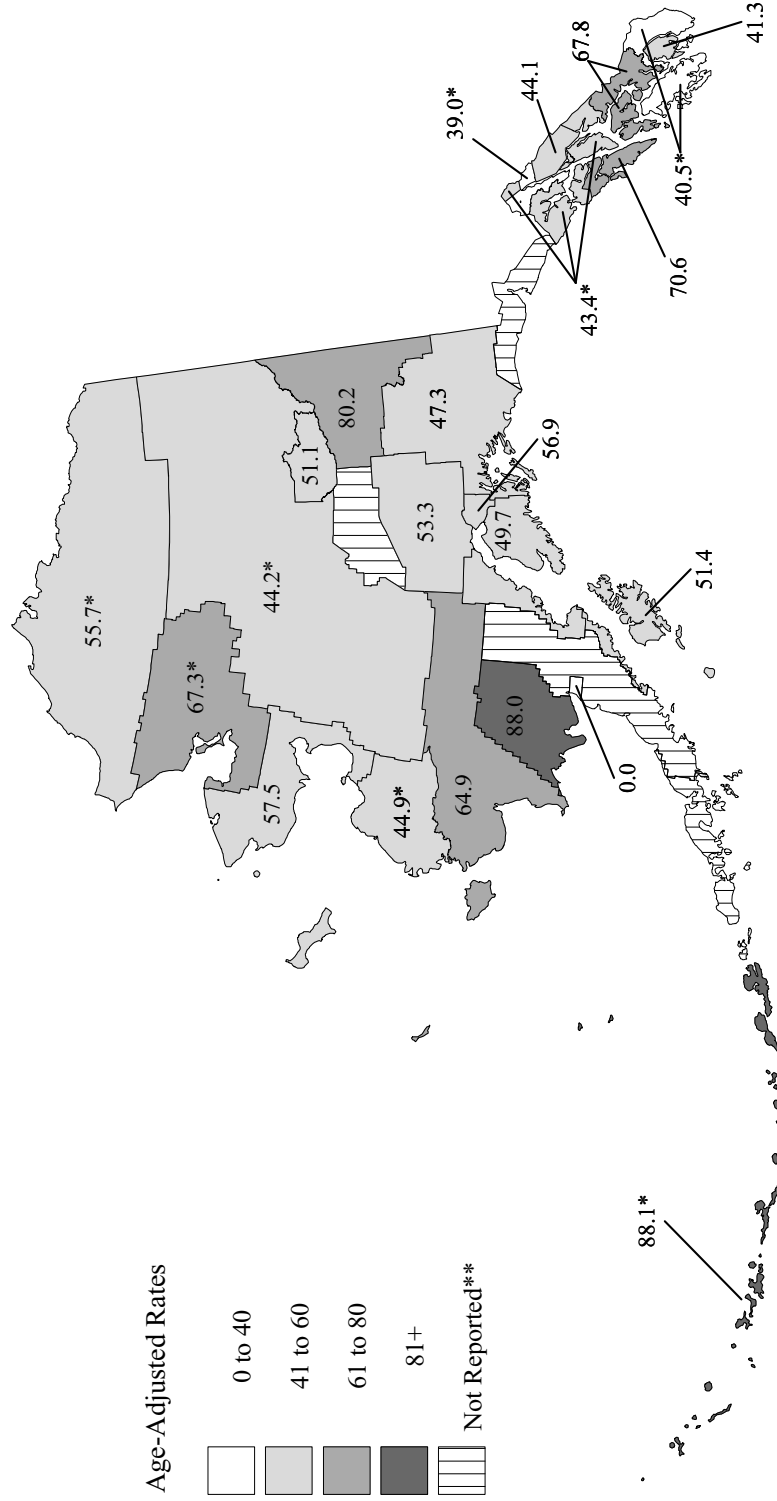
*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

Accident Deaths by Census Area or Borough 1999-2008



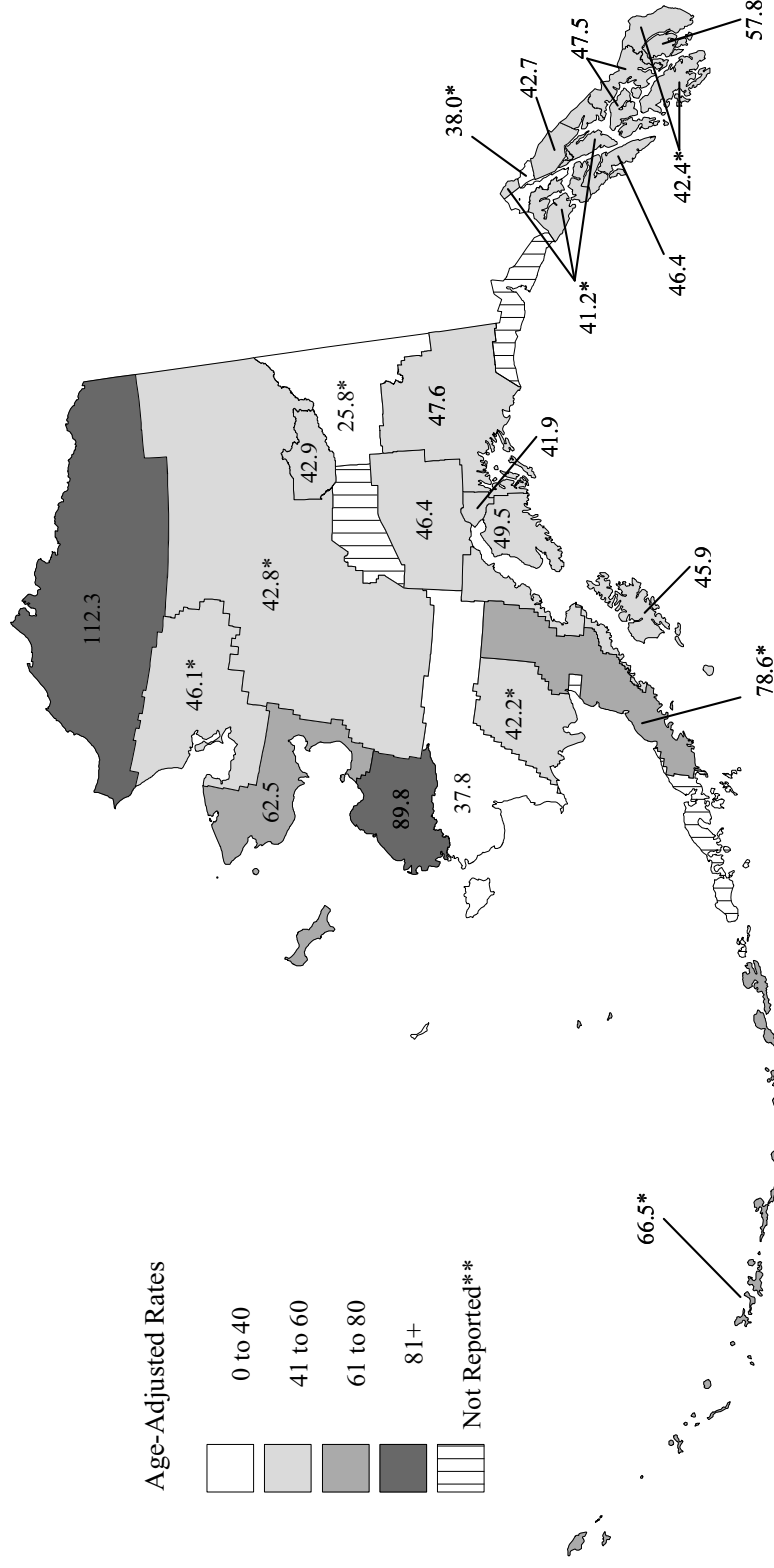
*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.
 **Rates based on fewer than 6 occurrences are not reported.

Stroke Deaths by Census Area or Borough 1999-2008



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

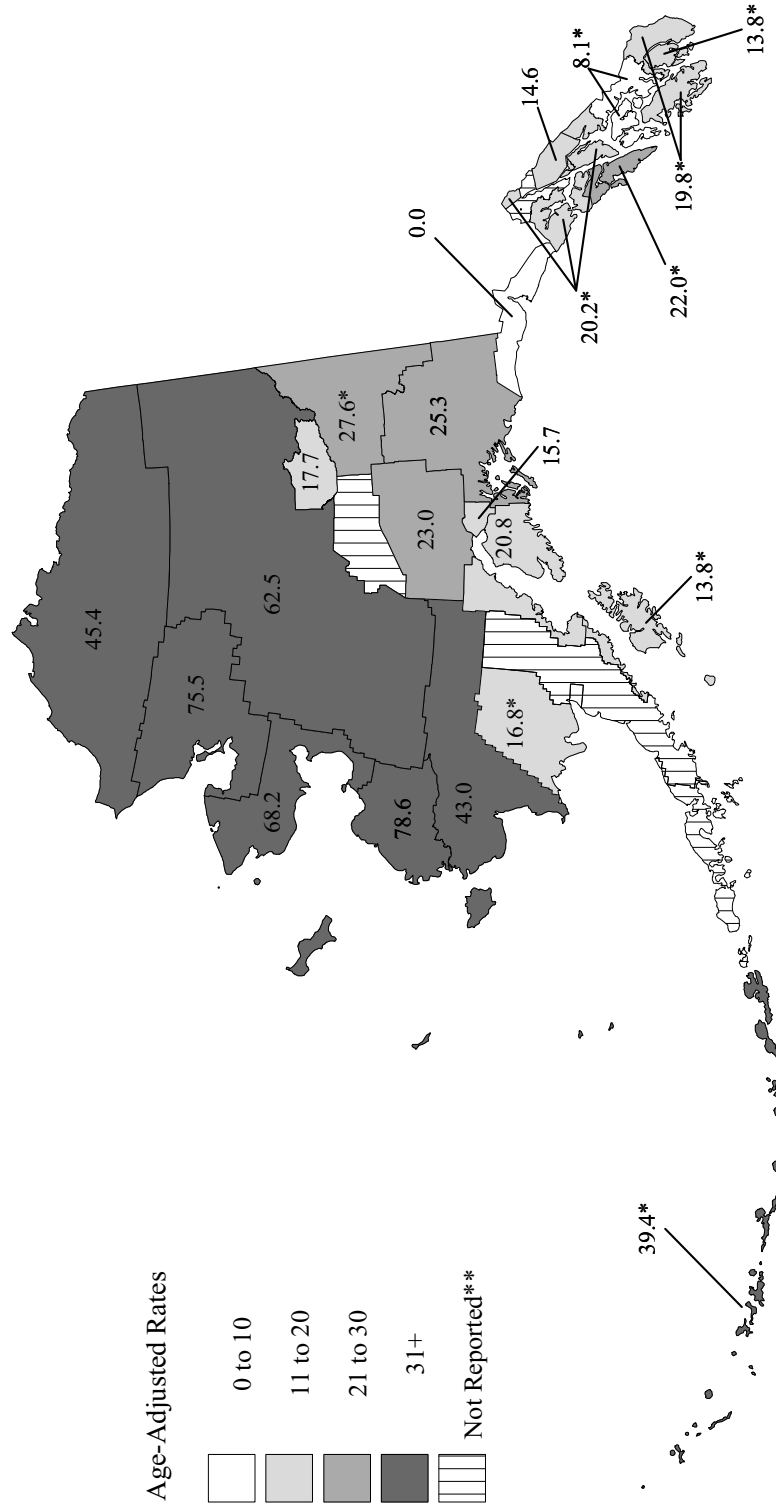
Chronic Lower Respiratory Disease Deaths by Census Area or Borough 1999-2008



*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

**Rates based on fewer than 6 occurrences are not reported.

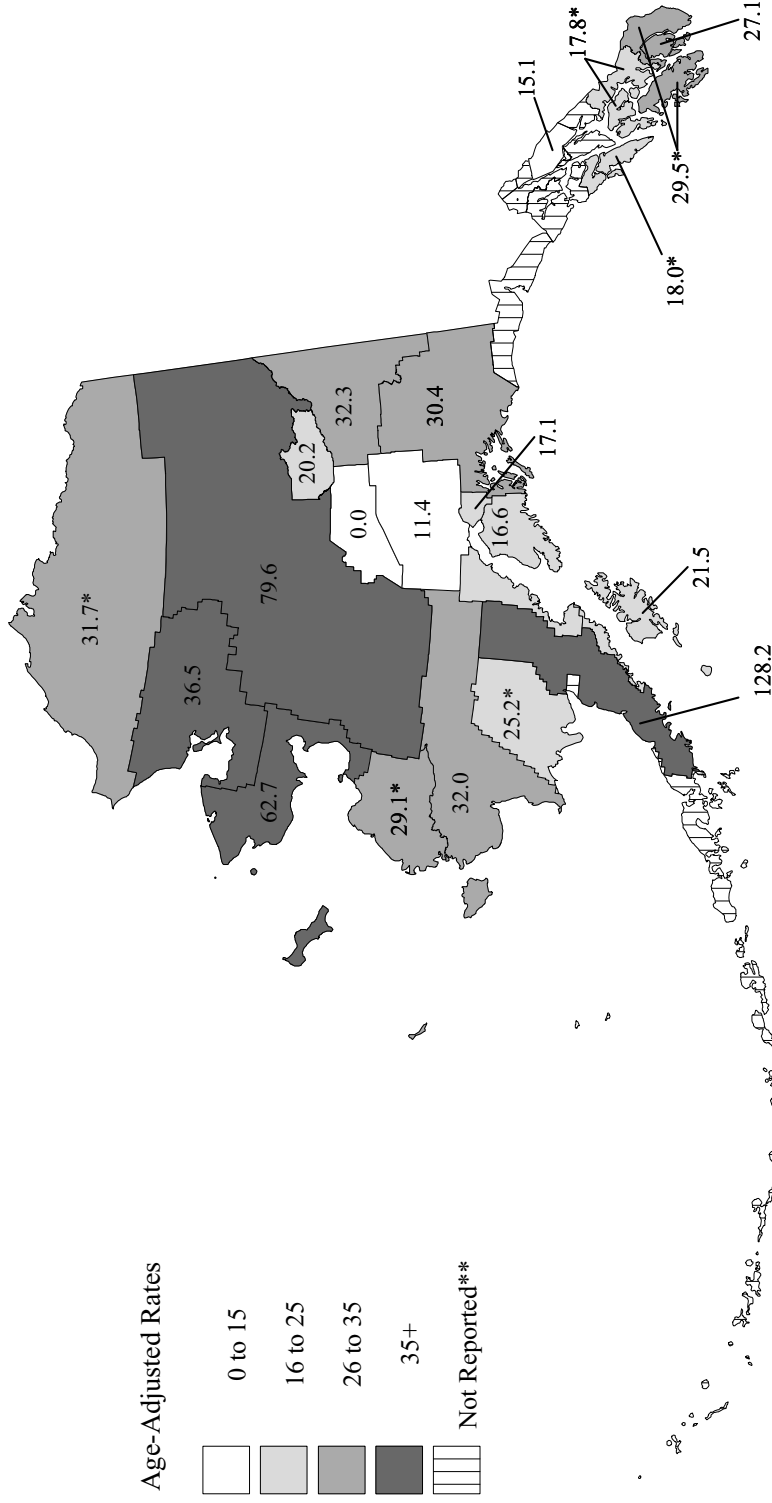
Suicide Deaths by Census Area or Borough 1999-2008



*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

**Rates based on fewer than 6 occurrences are not reported.

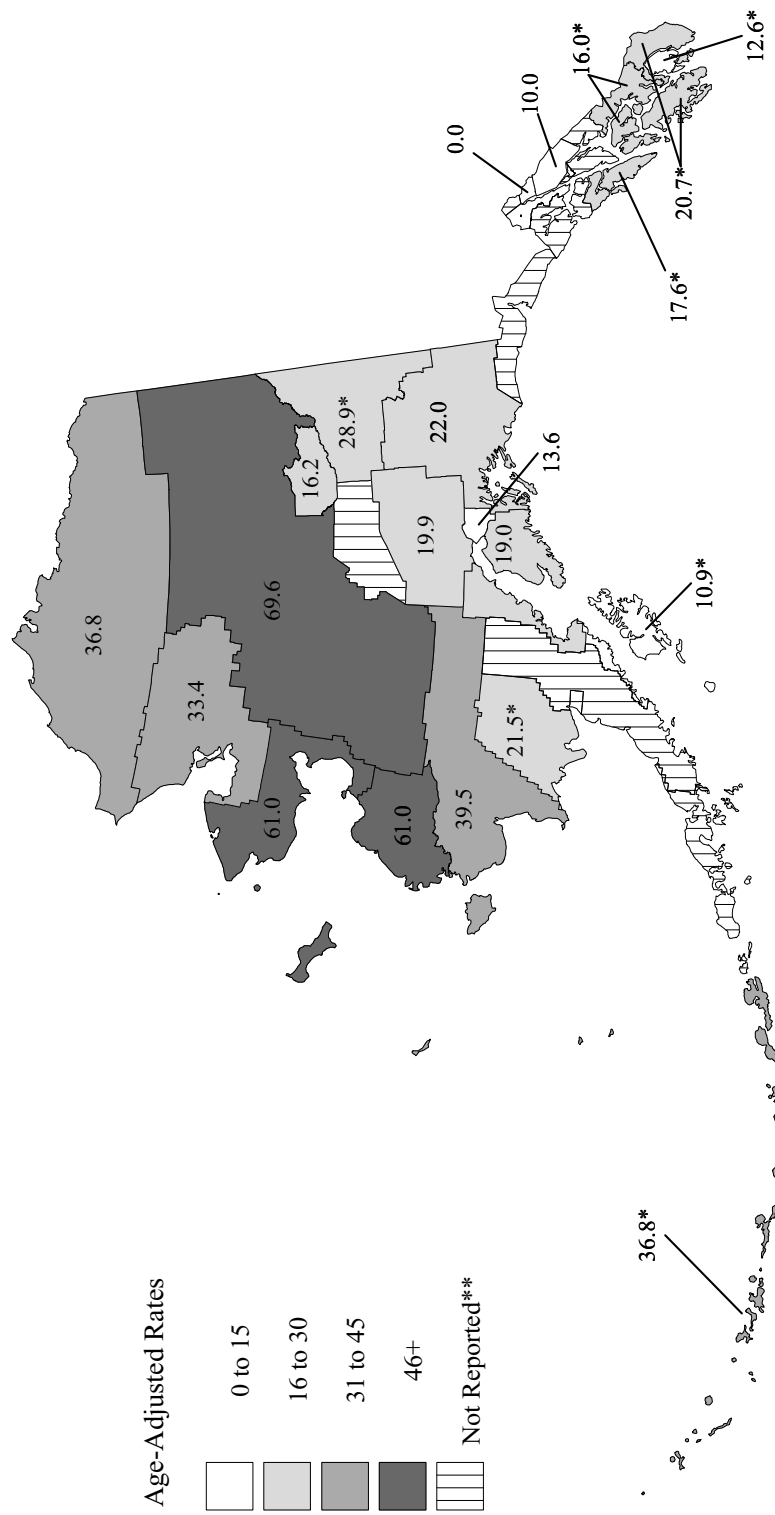
Alcohol-Induced Deaths by Census Area or Borough 1999-2008



*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

**Rates based on fewer than 6 occurrences are not reported.

Firearm-Related Deaths by Census Area or Borough 1999-2008



*Rates based on fewer than 20 occurrences are statistically unreliable and should be used with caution.

**Rates based on fewer than 6 occurrences are not reported.

ADOPTIONS



"Picking Blueberries"
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In 2008...

- There were 775 adoptions to Alaska residents.
- 496 adoptions took place through the court system.
- Out of state residents adopted 61 Alaskans.
- The median age at adoption was 4 years old.
- The oldest age at adoption was 42 years old.

Adoption Summary

The total number of adoptions has fallen 20.5 percent since their peak in 2001. In 2008, more Alaska Native children were adopted than any other race.

Most adoptions occur through Alaska's court system. In 2008, 64 percent of all adoptions took place through the court system.

Adoption rates measure the number of adoptions per 1,000 population. Adoption rates of Alaska Natives remain about six times that of adoption rates of white Alaskans.

Table 66: Number of Adoptions by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	38	35	49	36	23	32	32	37	18	38
Black	22	17	30	31	30	27	29	28	24	26
Native	340	350	407	361	337	340	337	391	357	404
White	413	431	422	349	327	247	240	284	264	259
Alaska	885	893	975	847	779	670	674	775	704	775

Table 67: Adoption Rates by Race (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Asian/PI	1.2	1.0	1.4	1.0	0.7	0.9	0.9	1.0	0.5	1.0
Black	0.8	0.7	1.1	1.2	1.2	1.1	1.0	0.9	0.8	0.9
Native	3.2	3.2	3.7	3.2	3.0	2.9	2.9	3.3	2.9	3.3
White	0.9	0.9	0.9	0.7	0.7	0.5	0.5	0.6	0.5	0.5
Alaska	1.4	1.4	1.5	1.3	1.2	1.0	1.0	1.2	1.0	1.1

Table 68: Number of Adoptions by Type (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Courts	568	590	686	575	509	406	384	445	442	496
Cultural	216	189	200	129	116	137	173	225	181	206
Out of State	101	113	83	89	96	84	83	93	74	61
Tribal	0	1	6	54	58	43	34	12	7	12
Total	885	893	975	847	779	670	674	775	704	775

MARRIAGES AND DIVORCES



"Tenakee Wedding"
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In 2008..

- There were 5794 marriages performed in Alaska.
- More marriages occurred in August than any other month.
- The median age at marriage was 27 for brides and 29 for grooms.
- The oldest bride was 85 and the oldest groom was 86.
- There were 3,084 divorces granted in Alaska.
- The median age at divorce was 35 for women and 37 for men.
- The oldest divorce was 79 for women and 88 for men.

Marriage Summary

Marriage rates are a measure of how many marriages occur per 1,000 population. Since 1999, Alaska's marriage rates have 3.4 percent. In 2008, for every 1,000 Alaskans, approximately 8 marriages occurred.

In 2008, there were 591 marriages in Alaska where neither the bride nor the groom was a resident of Alaska.

Table 69: Marriage Rates By Sex (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Female	16.3	15.4	15.3	14.9	14.4	15.1	14.5	14.4	15.0	14.8
Male	15.0	14.3	14.3	14.1	13.6	14.2	13.7	13.9	14.5	14.4
Total	8.8	8.4	8.5	8.3	8.1	8.5	8.3	8.3	8.6	8.5

Table 70: Marriages By Residency (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Two Residents	4,682	4,479	4,511	4,466	4,342	4,596	4,462	4,513	4,737	4,713
One Non-Resident	344	338	338	337	367	411	419	440	482	490
Two Non-Residents	449	458	514	533	543	602	600	593	602	591
Total	5,475	5,275	5,363	5,336	5,252	5,609	5,481	5,546	5,821	5,794

Table 71: Marriages By Age Group (1999-2008)

Groom's Age Group

	<15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	Total
<15	0	3	1	0	0	0	0	0	0	0	4
15-19	0	1,470	3,374	523	128	37	13	7	2	1	5,555
20-24	0	546	7,789	4,162	1,177	417	142	72	26	14	14,345
25-29	0	53	1,489	4,276	2,592	1,126	416	179	72	48	10,251
30-34	0	12	273	1,151	2,349	1,683	841	368	149	82	6,908
35-39	0	6	99	365	918	1,537	1,257	724	307	149	5,362
40-44	0	5	28	118	331	704	1,280	1,001	549	350	4,366
45-49	0	0	11	37	102	281	673	1,018	729	605	3,456
50-54	0	1	5	6	40	67	198	401	600	764	2,082
55+	0	1	1	2	7	22	59	139	262	1,428	1,921
Total	0	2,097	13,070	10,640	7,644	5,874	4,879	3,909	2,696	3,441	54,250

Divorce Summary

There are three administrative procedures for terminating a marriage in Alaska: divorce, dissolution, and annulment. In 2008, there was a total of 3,079 divorces, dissolutions, and annulments.

Divorce rates are a measure of how many divorces, dissolutions, and annulments occur per 1,000 population. Since 1999, divorce numbers have fallen 2.1 percent. In 2008, for every 1,000 Alaskans approximately 4 divorces occurred.

Table 72: Divorce Rates By Sex (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Female	9.1	8.2	8.8	8.3	8.0	7.7	7.7	7.5	7.8	7.8
Male	8.2	7.4	8.0	7.6	7.4	7.0	7.1	6.8	7.1	7.4
Total	5.1	4.6	4.9	4.7	4.5	4.4	4.4	4.3	4.4	4.5

Table 73: Divorces By Type (1999-2008)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Dissolution	1,096	1,031	1,085	1,037	1,017	1,089	1,172	1,212	1,324	1,429
Divorce	2,044	1,751	1,886	1,908	1,849	1,790	1,709	1,623	1,637	1,645
Annulment	4	13	12	11	6	7	6	6	6	5
Total	3,144	2,795	2,983	2,956	2,872	2,886	2,887	2,841	2,967	3,079

Table 74: Divorces By Age Group (1999-2008)

Husband's Age Group

Wife's Age Group	Husband's Age Group										Total
	<15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	
<15	0	0	0	6	1	4	1	2	0	0	14
15-19	0	36	201	34	6	1	3	0	0	1	282
20-24	2	27	1,996	1,483	283	76	32	11	7	9	3,926
25-29	1	5	409	2,301	1,435	436	171	53	28	28	4,867
30-34	3	0	51	474	1,801	1,315	520	182	89	44	4,479
35-39	2	1	17	88	506	1,688	1,333	484	172	84	4,375
40-44	2	0	9	34	160	540	1,577	1,142	479	235	4,178
45-49	0	0	1	12	60	164	492	1,213	792	443	3,177
50-54	0	0	1	4	13	56	147	348	741	666	1,976
55+	0	0	1	2	9	28	47	106	222	1,150	1,565
Total	10	69	2,686	4,438	4,274	4,308	4,323	3,541	2,530	2,660	28,839

APPENDIX A: DEFINITION OF TERMS

Age-Adjusted Death Rate. A summary of age-specific death rates standardized to one age distribution (such as the 2000 standard population). This summary allows comparisons to be made between populations with different age distributions (see Appendix B for specific instructions on calculating age-adjusted rates).

Age-Specific Rate. The number of events (live births or deaths) for a specific age group divided by the population for the same specific age group, multiplied by a constant of proportionality (usually 1,000).

Birth Cohort Infant Mortality Rate. The birth cohort method of calculating infant mortality tracks all infants born within a calendar year throughout their first year of life. When calculating the 2008 birth cohort rate, all infants who were born during 2008 and died prior to their first birthday, whether in 2008 or in 2009 are included in the numerator. The denominator includes total live births in 2008. The relatively long timeframe necessary to report infant mortality rates using the birth cohort makes it less practical than the death cohort.

Cause of Death. The cause of death reported is the underlying cause of death and is based on information contained on the death certificate, defined by the World Health Organization's International Classification of Diseases - Tenth Revision as the disease or injury which initiated the train of morbid events leading directly to death, or the circumstances of the accident or violence which produced the fatal injury (see Appendix C for specific categories).

Comparability Ratio. About every 10–20 years the International Classification of Diseases (ICD) is revised to stay abreast of advances in medical science and changes in medical terminology. Each of these revisions produces breaks in the continuity of cause-of-death statistics. Discontinuities across revisions are due to changes in classification and rules for selecting underlying cause of death. Classification and rule changes impact cause-of-death trend data by shifting deaths away from some cause-of-death categories and into others. Comparability ratios measure the effect of changes in classification and coding rules. For example, if influenza and pneumonia has a comparability ratio of 0.6982, this indicates that influenza and pneumonia is 30 percent less likely to be selected as the underlying cause-of-death in ICD-10 than in ICD-9; and HIV disease with a comparability ratio of 1.1448,

indicates that HIV disease is more than 14 percent more likely to be selected as the underlying cause using ICD-10 coding. See Appendix C for more information.

Constant of Proportionality. A number (often 1,000 or 100,000) which is used for calculating a rate so that comparisons are possible and more understandable. (It is easier to compare 21.7 to 21.3 than it is to compare 0.0217 to 0.0213.)

Crude Rate. The number of events (live births, deaths, divorces, marriages, or adoptions) divided by the estimated population, multiplied by a constant of proportionality (usually 1,000 or 100,000 for deaths).

Death Cohort Infant Mortality Rate. The death cohort method is determined by dividing the number of infant deaths by the number of live births in a calendar year. For example, to calculate the death cohort infant mortality rate for 2008, divide the number of infant deaths that occurred in 2008 by the number of live births that occurred during 2008, and multiply the result by a constant of proportionality (usually 1,000). By using the death cohort infant mortality method, some infant deaths will be counted in 2008 when the infant was actually born in 2007. Other deaths to infants born in 2008 who died before their first birthday in 2009 will not be counted. Since the death cohort method of calculating infant mortality does not reflect the number of deaths to infants born in a given year, the birth cohort is the preferred calculation method.

Fertility Rate. The total number of live births divided by the number of women in the estimated population between ages 15 and 44, multiplied by a constant of proportionality (usually 1,000).

Gestation. The period beginning with the first day of the last normal menstrual period and ending with the day of birth. Births occurring between 37 and 41 weeks gestational age are considered full-term.

ICD-10. International Classification of Diseases - Tenth Revision. The official classification system which codifies all diseases and injuries. ICD-10 was first introduced in 1999. All deaths between 1979 and 1998 were coded using ICD-9. (Refer to Appendix C.)

Infant Mortality Rate (IMR). The number of infant deaths divided by the number of live births, multiplied by

a constant of proportionality (usually 1,000). The IMR can be calculated using either the birth cohort or the death cohort method. The infant mortality rate is the same as the sum of the neonatal infant mortality rate and the post-neonatal infant mortality rate.

Live Birth. A birth where the baby exhibits signs of life after delivery. These signs include breathing, beating of the heart, pulsation of the umbilical cord and movement of voluntary muscles.

Location of Occurrence. The place or location where a vital event occurred.

Location of Residence. Most tables report Alaska resident information and are based upon or are categorized by location of actual residence. The location of actual residence; i.e., census area or Native Regional Corporation, is not necessarily the same as a person's "legal residence". The location of residence during a tour of military duty or while attending college is considered actual residence.

Low Birth Weight. An infant born weighing less than 2,500 grams. Also see Very Low Birth Weight.

Native. Includes Alaska Natives, Native mixed, Aleuts, Eskimos, Canadian Eskimos and Indians, and American Indians.

Natural Increase. Population change that results when the number of births exceed the number of deaths. Natural increase does not include population changes as a result of migration in and out of Alaska.

Neonatal Infant Mortality Rate. The number of deaths to infants less than 28 days of age divided by the number of live births, multiplied by a constant of proportionality (usually 1,000). The sum of the neonatal infant mortality rate and the postneonatal mortality rate is the infant mortality rate.

Postneonatal Infant Mortality Rate. The number of deaths to infants from 28 days up to one year old divided by the number of live births, multiplied by a constant of proportionality (usually 1,000).

Race of Child. The first reported race of the mother is considered the race of the child. Prior to 1989, races of both parents were taken into consideration when determining the race of the child using a look-up table. Beginning in 1989, the National Centers for Health Statistics (NCHS)

recommended that all states adopt the same standard for determining the race of the child at birth.

Residence. See Location of Residence.

Standard Population. The 2000 standard population is used in this publication for age-adjusted rates. (See Table A.1 on page 185.)

Teen Birth Rate. The number of births to females ages 15–19 divided by the estimated population of females ages 15–19, multiplied by a constant of proportionality (usually 1,000).

Underlying Cause of Death. The disease or injury which initiated the sequence of events that led to death.

Very Low Birth Weight. Infants born weighing less than 1,500 grams.

Years of Potential Life Lost. For all deaths occurring before age 65, the difference between 65 (assumed potential life span) and the age at death. (See Appendix B for calculation of years of life lost.)

TABLE A.1 2000 STANDARD POPULATION

AGE	POPULATION	WEIGHT
Under 1 year	13,818	0.013818
1–4 years	55,317	0.055317
5–14 years	145,565	0.145565
15–24 years	138,646	0.138646
25–34 years	135,573	0.135573
35–44 years	162,613	0.162613
45–54 years	134,834	0.134834
55–64 years	87,247	0.087247
65–74 years	66,037	0.066037
75–84 years	44,842	0.044842
85 & over	15,508	0.015508
TOTAL	1,000,000	1.000000

APPENDIX B: TECHNICAL NOTES

HOW TO USE VITAL STATISTICS

VITAL EVENTS

Vital events are registered with the Bureau of Vital Statistics and include live births, fetal deaths (after at least 20 weeks gestation), adoptions, marriages, divorces, and deaths. Information on each of these events is provided on standard forms (see Appendix F).

RELIABILITY OF THE DATA

The reliability of vital records may vary depending on the data collection method. For instance, some information on birth and death certificates is collected and provided by health facilities or medical professionals (birth weight, complications of labor and delivery, cause of death, etc.), while other information is self-reported or reported by relatives (smoking during pregnancy, marital status of deceased, etc.). The Bureau of Vital Statistics makes every effort to complete, verify, and correct information which is missing, invalid, or inconsistent. Ultimately, the reliability of the data depends on everyone who is involved in data collection, storage and retrieval: Bureau staff, medical professionals, magistrates, funeral directors, marriage commissioners, judges, and each individual involved in, or witness to, a vital event.

COMPARING DIFFERENT POPULATIONS

Comparing the number of events in two separate locations may not be meaningful. We can guess that Anchorage will have more births than Juneau because Anchorage has a larger population. A more meaningful question is, what is the number of births compared to the size of the population? To make this comparison, we calculate a rate or a ratio by dividing the number of events by the population for which that event could have occurred. For instance, if there were 4,200 births in Anchorage and a population of 280,000 people, then the ratio of births to population would be $4200/280000$ or 0.015 births for every person living in Anchorage. If there were 500 births in Juneau and a population of 30,000 then the ratio of births to population in Juneau would be $500/30000$ or 0.016666 births for every person living in Juneau.

Since small decimal numbers are awkward to interpret, we change the ratio to a rate by multiplying it by a constant of proportionality. This constant of proportionality can be any number, as long as the same number is used

in calculating every rate. To calculate birth rates, we usually use a constant of proportionality of 1,000. Using this method, the birth rate for Anchorage would be $0.015*1,000$ or 15.0 births per 1,000 population. The birth rate for Juneau would be $0.016666*1,000$ or 16.7 births per 1,000 population. This number is usually rounded to the nearest tenth (16.7). We can see that while there are fewer births in Juneau in this example, the rate per 1,000 population is greater.

The birth rates described in the last paragraph are crude birth rates because they compare events to the total population. A more meaningful comparison would use only the female population of childbearing ages (15–44 years of age). Let's assume that the number of women ages 15–44 in Anchorage is 60,000 and in Juneau is 7,300. The Anchorage fertility rate would be $(4200/60000)*1000$ or 70.0 births for every 1,000 women of childbearing age. The Juneau fertility rate would be $(500/7300)*1000$ or 68.5 births for every 1,000 women of childbearing age. While Anchorage would have a lower crude birth rate than Juneau in this example, the Anchorage fertility rate would be higher than for Juneau. This is because the ratio of women of childbearing age to the total population in Anchorage ($60000/280000$ or .2143) is lower than in Juneau ($7300/30000$ or .2433).

Please note that all of the numbers in the foregoing examples are hypothetical for purposes of illustration.

CONSTANT OF PROPORTIONALITY

In calculating crude birth rates and fertility rates, we used a constant of proportionality of 1,000. Vital statistics may be reported with different constants of proportionality. Readers should familiarize themselves with how rates are calculated so that validity is maintained when comparing rates. Unless rates are calculated with the same constant of proportionality, comparisons will lead to incorrect conclusions. For instance, in this report we calculate death rates per 100,000 population. If the another publication reported deaths per 1,000 population, you would need to convert the rates in this report (by dividing by 100) or the death rates in the other report (by multiplying by 100) in order to make a valid comparison.

SMALL POPULATIONS & FEW EVENTS

Data based upon small populations and few events require particular care in data analysis. In Alaska,

variability is expected when looking at small groups within the population. Precautions are taken to avoid drawing false conclusions from random or unusual events. A method that is used in this report to provide greater reliability is moving averages. (For an explanation of moving averages, see “Vital Statistics Formulas” below.)

VITAL STATISTICS FORMULAS

AGE-ADJUSTED RATES

Age-adjusted rates are calculated so comparisons can be made between populations that have different age distributions. For example, a population with a high proportion of young people, generally will have a lower crude death rate than a population with a high percentage of elderly persons. Age-adjusted rates are more appropriate than crude rates when comparing health indicators for populations that have different age distributions. The age-adjusted rates in this report were calculated using the standard population based on the decennial U.S. Census of 2000 (see the Standard Population in Appendix A).

$$\text{Age-Adjusted Death Rate} = \sum m_a (P_a/p)$$

where:

\sum is sum

m_a is the age-specific death rate

P_a is the standard population for the age group

p is the total standard population

MOVING AVERAGES

Calculations of 3-year, 5-year, and 10-year moving averages are performed when single-year rates are not reliable. When calculations are based on small numbers, moving averages can help to smooth out rates which vary widely from one year to another.

In Alaska, single-year infant mortality rates are seldom good indicators for the state of health within populations because rates can fluctuate dramatically from year to year. In Alaska, 132 infants died during 1988 and 108 infants died during 1989. The single-year infant mortality rates

during 1988 and 1989 were 11.7 and 9.3, respectively. The 3-year moving average IMR (using 1986, 1987, and 1988 data) was 11.0 and (using 1987, 1988, and 1989) 10.4 infant deaths per 1,000 live births.

YEARS OF POTENTIAL LIFE LOST

Years of potential life lost (YPLL) is the difference between the standardized age of 75 and the age of a decedent who dies before age 75. For purposes of calculation, deaths are assumed to occur at the midpoint of a ten-year age interval; i.e. a 41-year-old decedent is assumed to be 39.5 years or halfway between 35 and 44. A person dying at age 41 would be said to have 35.5 years of life lost (75–39.5). Years of potential life lost emphasizes mortality in younger populations and is used in this report to measure the impact of specific causes of death. For a specific decedent group, Years of Life Lost is calculated as follows:

$$YLL = \sum 75 - mp$$

Where:

YLL is years of life lost

\sum is sum of all decedents' years of potential life lost

75 represents years of potential life

mp is the mid-point of the decedent's 10-year age group

STANDARD ERROR

The standard error of a statistic is the standard deviation of the sampling distribution of that statistic. Standard errors are important because they reflect how much sampling fluctuation a statistic will show. The inferential statistics involved in the construction of confidence intervals and significance testing are based on standard errors. The standard error of a statistic depends on the sample size. In general, the larger the sample size, the smaller the standard error. The standard error of a statistic is usually designated by the Greek letter sigma (σ) with a subscript indicating the statistic. For instance, the standard error of the mean is indicated by the symbol: σ_M .

EXPECTATION OF LIFE

Expectation of life is the number of years infants born in a specific year can expect to live if they experience the same age-specific death rates for all persons who died during

their birth year. Table B.1 illustrates the calculation of life expectancy for all Alaskans based on data from the five year period 2004–2008.

TABLE B.1 EXPECTATION OF LIFE FOR ALL ALASKANS: 2004–2008

	A	B	C	D	E	F	G	H	I	J
Age at Death	Deaths	Population	Ratio	Proportion Dying in Age Group	Proportion living in Age Group	# Living at Beginning of Age Group	Number Dying in Age Group	# Living In Age Group	Cumulative Population	Years Left at Beginning of Age Group
<1	342	54,440	0.006282145	0.006262475	0.993737525	100,000	626	99,468	7,590,003	75.9
1-4	74	217,567	0.000340125	0.001359345	0.998640655	99,374	135	397,159	7,490,535	75.4
5-9	50	262,903	0.000190184	0.000950469	0.999049531	99,239	94	495,960	7,093,376	71.5
10-14	94	273,209	0.000344059	0.001718816	0.998281184	99,145	170	495,300	6,597,416	66.5
15-19	259	275,196	0.000941147	0.004694691	0.995305309	98,975	465	493,713	6,102,116	61.7
20-24	358	222,954	0.001605712	0.007996462	0.992003538	98,510	788	490,580	5,608,403	56.9
25-29	296	215,207	0.00137542	0.006853534	0.993146466	97,722	670	486,935	5,117,823	52.4
30-34	313	228,862	0.001367636	0.006814881	0.993185119	97,052	661	483,608	4,630,888	47.7
35-39	463	239,656	0.001931936	0.009613248	0.990386752	96,391	927	479,638	4,147,280	43
40-44	653	262,542	0.002487221	0.012359255	0.987640745	95,464	1,180	474,370	3,667,642	38.4
45-49	958	277,029	0.003458122	0.017142407	0.982857593	94,284	1,616	467,380	3,193,272	33.9
50-54	1209	258,746	0.004672536	0.023092924	0.976907076	92,668	2,140	457,990	2,725,892	29.4
55-59	1336	202,800	0.006587771	0.032405162	0.967594838	90,528	2,934	445,305	2,267,902	25.1
60-64	1261	133,296	0.009460149	0.04620791	0.95379209	87,594	4,048	427,850	1,822,597	20.8
65-69	1365	83,243	0.016397775	0.078760148	0.921239852	83,546	6,580	401,280	1,394,747	16.7
70-74	1511	55,907	0.027027027	0.126582278	0.873417722	76,966	9,743	360,473	993,467	12.9
75-79	1731	40,631	0.042602939	0.192510871	0.807489129	67,223	12,941	303,763	632,994	9.4
80-84	1752	26,146	0.067008338	0.286968486	0.713031514	54,282	15,577	232,468	329,231	6.1
85+	2495	20,718	0.120426682	0.4627998	0.5372002	38,705	38,705	96,763	96,763	2.5

Column A: Total deaths during five years
Column B: Sum of population for each of the five years
Column C: Ratio (A/B)
Column D: Proportion dying in the age group
 For less than 1 year: $(2 * C) / (2 + C)$;
 for 1–4: years: $(2 * 4 * C) / (2 + 4 * (1.25 * C))$;
 all others $(2 * 5 * C) / (2 + 5 * C)$
Column E: Proportion living in age group (1-D)
Column F: Number living at beginning of age
 For less than 1 year: 100,000; all others:
 $E * F$ (both from next younger age group)

Column G: Number dying in the age group
 F (this age group) - F (next older age group)
Column H: Number living in the age group
 For less than one year: $F - (.85 * G)$; for 1–4 years: $4 * F - (2.5 * G)$; all others: $(5 * F) - (2.5 * G)$
Column I: Cumulative population Sum of H for this and all older age groups
Column J: Years left at beginning of age (I/F)

APPENDIX C: MORTALITY

COMPARISON BETWEEN ICD-9 AND ICD-10

Mortality statistics are compiled under guidelines of the World Health Organization (WHO). The procedures for coding and classifying mortality statistics are known collectively as the International Classification of Diseases (ICD). The ICD provides guidelines for coding death certificates, gives the disease (injury/poisoning) categories, the procedures for selecting the underlying cause of death, and provides definitions such as 'live birth', 'maternal death', or 'underlying cause of death'. The ICD also provides the tabulation lists for classifying mortality and the format of the medical certificate of death. Periodically the ICD is revised to allow for advances in medicine and changes in diagnostic terminology. The last revision was in 1999, when the tenth revision (ICD-10) replaced the ninth revision (ICD-9). Since 1999, causes of death have been classified using the tenth revision of this classification (ICD-10).

The ICD structure comprises cause of death categories that are identified by codes. The ninth revision of the ICD had more than 4000 categories and used all numeric codes (001–999) to identify the categories. ICD-10 has approximately twice the clinical detail of ICD-9, with more than 8000 categories identified by alphanumeric codes (A00–Z99). Both revisions provide for greater detail with a decimal numeric subdivision at the four-character level. Tabulation lists, which provide the cause-of-death groupings to present mortality statistics, have also changed. In ICD-9, 72 selected causes of death were used to rank the leading causes of death. This list has been expanded to 113 causes in ICD-10. Sixty-one selected causes were used to rank infant mortality statistics in ICD-9; this list has been expanded to 130 selected causes in ICD-10.

ICD-10 also has more chapters than ICD-9. Diseases of the nervous system and sense organs was split into three chapters in ICD-10: diseases of the nervous system, diseases of the eye and adnexa, and diseases of the ear and mastoid process. Other chapters have been rearranged; in ICD-10 diseases of the immune system are now included with diseases of the blood and blood-forming organs. They were included in the chapter endocrine, nutritional, and metabolic diseases in ICD-9. External causes of injury and poisoning (E codes) and factors influencing health status and contact with health services (V codes) were supplementary chapters in ICD-9; in ICD-10 they are part

of the core classification. Additionally, some cause-of-death titles have changed (e.g. Suicide, ICD-9; Intentional Self-Harm, ICD-10) and some titles have shifted from one section to another. Arguably the change that will have the biggest impact on mortality statistics is the change in cause-of-death coding rules.

Cause-of-death coding rules determine how the underlying cause of death is assigned from the medical information on the death certificate. Changes in these coding rules can produce serious breaks in cause-of-death trends. For example, in 1979 the eleventh leading cause of death (nephritis, nephritic syndrome, and nephrosis) had a rate that was 70% higher than the rate in 1978. The underlying cause of death in 1978 was assigned using ICD-8 coding rules, while mortality statistics in 1979 were coded using ICD-9 rules. Almost all of this increase was due to changes in the coding rules. In this example, the ICD-9 coding rules had a much greater assignment of deaths to this particular cause. Of course, an increase in assignments to one or more causes of death must come at the expense of assignments of death to other causes.

To help measure the impact of changing cause-of-death coding rules, comparability ratios are used. Comparability ratios are calculated by double coding all deaths in a particular year. That is, each death in a given year is assigned a cause of death using both ICD-9 coding rules and ICD-10 coding rules. The comparability ratio is calculated by counting the number of deaths for a selected cause in the new revision (ICD-10) and dividing by the number of deaths for the selected cause in the old revision (ICD-9). The National Center for Health Statistics (NCHS) used the national 1996 death file to derive the comparability ratios.

A comparability ratio that is equal to 1.0 shows that either revision will produce the same number of deaths. It does not, however, suggest that the cause of death was unaffected by the revision change. It is possible that any changes to the assignment of death could have balanced out, leaving the same number of deaths. For example, an increase in assignment of deaths could be counterbalanced by a narrower cause of death title (i.e. fewer cause of death codes).

A comparability ratio that is greater than 1.0 usually suggests an increase in the assignments of death under ICD-10 or that the cause-of-death title is broader under ICD-10. Conversely, a comparability ratio less than 1.0 usually suggests a decrease in the assignments of death under ICD-10 or the cause of death title is narrower under ICD-10.

Leading causes of death are based on the 113 selected causes-of-death list developed by the National Center for Health Statistics (NCHS). This list replaces the 72 selected causes-of-death list used in ICD-9. Since comparability ratios are used to measure the impact of changing coding rules, it is important to remove the effects of changing tabulation lists. For that reason, the ICD-9 codes used for some causes of death in this report differ from the codes used in the ICD-9 tabulation list. For example, accidents and adverse effects (E800–E949) was a cause-of-death category in the ICD-9 tabulation list. In the ICD-10 tabulation list, however, adverse effects are listed separately from accidents. For that reason, adverse effects (E870–E879, E930–E949) are not included in the ICD-9 codes for unintentional injury (accidents) in this report. For the same reasons, ICD-9 code 435 is not included in the cause-of-death category cerebrovascular diseases.

AGE-ADJUSTED RATES

The crude death rate is commonly used to measure mortality. However, the age composition of the population can greatly influence the crude death rate. For example, since most deaths occur to persons over 70 years of age, a population that is aging will naturally see an increase in the crude death rate. Therefore, using the crude death rate to measure trends can be misleading if the age distribution of the population has changed over time. To help overcome this and other limitations of the crude death rate, age adjustment is used in mortality statistics. Age adjustment needs a standard age distribution, usually called a standard population. In the past, the most frequently used standard in the United States was based on the 1940 U.S. population. Beginning with 1999 mortality statistics, however, the U.S. and the Bureau of Vital Statistics began using the year 2000 standard population for age adjustment. **One impact of changing the standard population is that comparisons with previously published age-adjusted death rates will be meaningless, since age-adjusted death rates using different standard populations are not directly comparable.** Generally, the year 2000 standard will give age-adjusted death rates that are much higher than those based on the 1940 standard.

TABLE C.1 ICD CAUSE OF DEATH CODES

CAUSE OF DEATH	ICD-10 CODES	ICD-9 CODES
INFECTIOUS AND PARASITIC DISEASE	A00–B99	001–139
TUBERCULOSIS	A16–A19	101–018
MENINGOCOCCAL INFECTION	A39	036
SEPTICEMIA	A40–A41	038
VIRAL HEPATITIS	B15–B19	070
HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	B20–B24	042–044
MALIGNANT NEOPLASMS	C00–C97	140–208
ESOPHAGUS	C15	150
STOMACH	C16	151
COLON, RECTUM AND ANUS	C18–C21	153–154
LIVER AND INTRAHEPATIC BILE DUCTS	C22	155
PANCREAS	C25	157
BRONCHUS AND LUNG	C33–C34	162
SKIN	C43	172
BREAST	C50	174–175
CERVICAL	C53	180
UTERINE	C53	179,182
OVARIAN	C56	183
PROSTATE	C61	185
KIDNEY AND RENAL PELVIS	C64–C65	189.0,189.1
BLADDER	C67	188
BRAIN	C70–C72	191–192
LYMPHOID AND HEMATOPOIETIC	C81–C96	201
HODGKIN'S DISEASE	C81	201
NON-HODGKIN'S LYMPHOMA	C82–C85	200,202
LEUKEMIA	C91–C95	204–208
MULTIPLE MYELOMA	C88	203
BENIGN AND UNCERTAIN NEOPLASMS	D00–D48	210–239
DIABETES MELLITUS	E10–E14	250
PARKINSON'S DISEASE	G20–G21	332
ALZHEIMER'S DISEASE	G30	331
MAJOR CARDIOVASCULAR DISEASES	I00–I78	390–434,436–448
DISEASES OF THE HEART	I00–I09,I11,I13,I20–I51	390–398,402,404,410–429
RHEUMATIC HEART DISEASES	I00–I09	390–398
HYPERTENSIVE HEART AND RENAL DISEASE	I13	404
ISCHEMIC HEART DISEASES	I20–I25	410–414,429.2
ACUTE MYCARDIAL INFARCTION	I21–I22	410
OTHER ACUTE ISCHEMIC HEART DISEASES	I24	411
ATHEROSCLEROTIC CARDIOVASCULAR DISEASE	I25.0	429.2
OTHER HEART DISEASES	I26–I51	415–429.1,429.3–429.9
HEART FAILURE	I50	428
CEREBROVASCULAR DISEASES	I60–I69	430–434,436–438
INFLUENZA AND PNEUMONIA	J10–J18	480–487
INFLUENZA	J10–J11	487
PNEUMONIA	J12–J18	480–486
CHRONIC LOWER RESPIRATORY DISEASES	J40–J47	490–494,496
EMPHYSEMA	J43	492
ASTHMA	J45–J46	493
CHRONIC LIVER DISEASE AND CIRRHOSIS	K70,K73–K74	571
ALCOHOLIC LIVER DISEASE	K70	571.0–571.3
OTHER CHRONIC LIVER DISEASE AND CIRRHOSIS	K73–K74	571.4–571.9
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS	N00–N07,N17–N19,N25–N27	580–589
RENAL FAILURE	N17–N19	584–586
CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	P00–P96	760–771.2,771.4–779
CONGENITAL MALFORMATIONS	Q00–Q99	740–759
UNINTENTIONAL INJURY	V01–X59,Y85–Y86	E800–E869,E880–E929
TRANSPORT ACCIDENTS	V01–V99,Y85	E800–E848,E929.0,E929.1
MOTOR VEHICLE ACCIDENTS	V02–V04,V090,V092,V12–V14,V19.0–V19.2,V19.4–V19.6,V20–V79,V80.3–V80.5,V81.0–V81.1,V82.0–V82.1,V83–V86,V87.0–V87.8,V88.0–V88.8,V89.0,V89.2	E810–E825
WATER TRANSPORT	V90–V94	E830–E838
AIR TRANSPORT	V95–V97	E840–E845
NONTRANSPORT ACCIDENTS	W00–X59,Y86	E850–E869,E880–E928,E929.2–E929.9
FALLS	W00–W19	E880–E888
DISCHARGE OF FIREARMS	W32–W34	E922
DROWNING AND SUBMERSION	W65–W74	E910
SMOKE, FIRE AND FLAME	X00–X09	E890–E899
POISONING	X40–X49	E850–E869,E924.1
INTENTIONAL SELF-HARM (SUICIDE)	X60–X84,Y87.0	E950–E959
BY DISCHARGE OF FIREARMS	X72–X74	E955.0–E955.4
ASSAULT (HOMICIDE)	X85–Y09,Y87.1	E960–E969

TABLE C.2 ESTIMATED COMPARABILITY RATIOS FOR 113 SELECTED CAUSES OF DEATH

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
001	Salmonella infections	52	58	0.8966	0.06927	7.7	0.8108	10.6
002	Shigellosis and amebiasis	7	8	*	*	*	*	*
003	Certain other intestinal infections	704	819	0.8596	0.02789	3.2	*	*
004	Tuberculosis	1,058	1,201	0.8809	0.01493	1.7	0.8547	3.1
005	Respiratory tuberculosis	857	912	0.9397	0.01724	1.8	0.9056	3.8
006	Other tuberculosis	201	289	0.6955	0.03558	5.1	0.7031	-1.1
007	Whooping cough	6	4	*	*	*	*	*
008	Scarlet fever and erysipelas	1	3	*	*	*	*	*
009	Meningococcal infection	285	288	0.9896	0.01984	2.0	0.9955	-0.6
010	Septicemia	25,390	21,336	1.1900	0.00415	0.3	1.1949	-0.4
011	Syphilis	57	73	0.7808	0.08729	11.2	0.6364	22.7
012	Acute poliomyelitis	1	-	*	*	*	*	*
013	Arthropod-borne viral encephalitis	2	3	*	*	*	*	*
014	Measles	1	1	*	*	*	*	*
015	Viral hepatitis	2,693	3,769	0.7145	0.00817	1.1	0.8343	-14.4
016	Human immunodeficiency virus (HIV) disease	33,441	30,904	1.0821	0.00187	0.2	1.0637	1.7
017	Malaria	5	5	*	*	*	*	*
018	Other and unspecified infectious and parasitic diseases and their sequelae	5,716	6,278	0.9105	0.01095	1.2	1.099	-17.2
019	Malignant neoplasms	542,914	537,906	1.0093	0.00021	0.0	1.0068	0.2
020	Malignant neoplasms of lip, oral cavity and pharynx	7,519	7,835	0.9597	0.00395	0.4	0.9603	-0.1
021	Malignant neoplasm of esophagus	11,139	11,199	0.9946	0.00201	0.2	0.9965	-0.2
022	Malignant neoplasm of stomach	13,385	13,292	1.0070	0.00201	0.2	1.0063	0.1
023	Malignant neoplasms of colon, rectum and anus	56,221	56,291	0.9988	0.00095	0.1	0.9993	-0.1
024	Malignant neoplasms of trachea, bronchus and lung	11,126	11,542	0.9640	0.00247	0.3	0.9634	0.1
025	Malignant neoplasm of pancreas	27,089	27,168	0.9971	0.00098	0.1	0.998	-0.1
026	Malignant neoplasm of larynx	3,927	3,907	1.0051	0.00527	0.5	1.0047	0.0
027	Malignant neoplasms of trachea, bronchus and lung	149,206	151,573	0.9844	0.00053	0.1	0.9837	0.1
028	Malignant melanoma of skin	6,892	7,259	0.9494	0.00352	0.4	0.9677	-1.9
029	Malignant neoplasm of breast	43,644	43,327	1.0073	0.00104	0.1	1.0056	0.2
030	Malignant neoplasm of cervix uteri	4,517	4,534	0.9963	0.00357	0.4	0.9871	0.9
031	Malignant neoplasms of corpus uteri and uterus, part unspecified	6,444	6,292	1.0242	0.00403	0.4	1.026	-0.2
032	Malignant neoplasm of ovary	13,043	13,125	0.9938	0.00173	0.2	0.9954	-0.2
033	Malignant neoplasm of prostate	34,497	34,008	1.0144	0.00146	0.1	1.0134	0.1
034	Malignant neoplasms of kidney and renal pelvis	11,028	11,068	0.9964	0.00231	0.2	1	-0.4
035	Malignant neoplasm of bladder	11,350	11,406	0.9951	0.00263	0.3	0.9968	-0.2
036	Malignant neoplasms of meninges, brain and other parts of central nervous system	12,052	12,331	0.9774	0.00260	0.3	0.9691	0.9
037	Malignant neoplasms of lymphoid, hematopoietic and related tissue	55,029	54,788	1.0044	0.00115	0.1	1.0042	0.0
038	Hodgkin's disease	1,408	1,404	1.0028	0.00994	1.0	0.9855	1.8
039	Non-Hodgkin's lymphoma	22,377	22,865	0.9787	0.00183	0.2	0.9781	0.1
040	Leukemia	20,507	20,296	1.0104	0.00189	0.2	1.0119	-0.1
041	Multiple myeloma and immunoproliferative neoplasms	10,665	10,223	1.0432	0.00309	0.3	1.0383	0.5
042	Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	72	-	*	*	*	*	*
043	All other and unspecified malignant neoplasms	64,806	56,961	1.1377	0.00208	0.2	1.1251	1.1
044	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	12,411	7,607	1.6315	0.01403	0.9	1.6744	-2.6
045	Anemias	4,071	4,317	0.9430	0.00792	0.8	0.9559	-1.3
046	Diabetes mellitus	62,673	61,485	1.0193	0.00114	0.1	1.0082	1.1
047	Nutritional deficiencies	3,839	3,678	1.0438	0.01288	1.2	1.1636	-10.3
048	Malnutrition	3,535	3,507	1.0080	0.01299	1.3	0.9782	3.0
049	Other nutritional deficiencies	304	171	1.7778	0.12104	6.8	6.2041	-71.3
050	Meningitis	754	745	1.0121	0.01580	1.6	1.0137	-0.2
051	Parkinson's disease	11,916	11,797	1.0101	0.00293	0.3	1.0012	0.9
052	Alzheimer's disease	33,667	21,292	1.5812	0.00693	0.4	1.5536	1.8
053	Major cardiovascular diseases	942,439	945,945	0.9963	0.00021	0.0	0.9981	-0.2
054	Diseases of heart	719,631	730,444	0.9852	0.00023	0.0	0.9858	-0.1
055	Acute rheumatic fever and chronic rheumatic heart diseases	4,387	4,976	0.8816	0.00741	0.8	0.8208	7.4
056	Hypertensive heart disease	20,739	25,973	0.7985	0.00264	0.3	0.8028	-0.5
057	Hypertensive heart and renal disease	2,806	2,490	1.1269	0.01515	1.3	1.0705	5.3
058	Ischemic heart diseases	543,063	542,728	1.0006	0.00026	0.0	0.999	0.2
059	Acute myocardial infarction	209,916	212,992	0.9856	0.00039	0.0	0.9887	-0.3
060	Other acute ischemic heart diseases	3,084	2,876	1.0723	0.01299	1.2	1.011	6.1
061	Other forms of chronic ischemic heart disease	330,063	326,860	1.0098	0.00044	0.0	1.0054	0.4

TABLE C.2 ESTIMATED COMPARABILITY RATIOS FOR 113 SELECTED CAUSES OF DEATH (Continued)

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
062	Atherosclerotic cardiovascular disease, so described	72,231	68,150	1.0599	0.00163	0.2	1.0488	1.1
063	All other forms of chronic ischemic heart disease	257,832	258,710	0.9966	0.00044	0.0	0.9935	0.3
064	Other heart diseases	148,636	154,277	0.9634	0.00104	0.1	0.9716	-0.8
065	Acute and subacute endocarditis	864	838	1.0310	0.01846	1.8	0.9964	3.5
066	Diseases of pericardium and acute myocarditis	750	714	1.0504	0.01838	1.8	1.0295	2.0
067	Heart failure	48,876	47,052	1.0388	0.00142	0.1	1.041	-0.2
068	All other forms of heart disease	98,146	105,673	0.9288	0.00143	0.2	0.9373	-0.9
069	Essential (primary) hypertension and hypertensive renal disease	14,381	12,884	1.1162	0.00495	0.4	1.1192	-0.3
070	Cerebrovascular diseases	166,837	158,855	1.0502	0.00083	0.1	1.0588	-0.8
071	Atherosclerosis	16,086	16,655	0.9658	0.00265	0.3	0.9637	0.2
072	Other diseases of circulatory system	25,504	27,107	0.9409	0.00231	0.2	0.9456	-0.5
073	Aortic aneurysm and dissection	16,371	16,361	1.0006	0.00163	0.2	1.0012	-0.1
074	Other diseases of arteries, arterioles and capillaries	9,133	10,746	0.8499	0.00518	0.6	0.8497	0.0
075	Other disorders of circulatory system	4,105	4,207	0.9758	0.01400	1.4	1.0293	-5.2
076	Influenza and pneumonia	57,915	83,045	0.6974	0.00169	0.2	0.6982	-0.1
077	Influenza	743	743	1.0000	0.01060	1.1	1.0088	-0.9
078	Pneumonia	57,172	82,302	0.6947	0.00170	0.2	0.6957	-0.1
079	Other acute lower respiratory infections	461	474	0.9726	0.03785	3.9	0.9746	-0.2
080	Acute bronchitis and bronchiolitis	342	474	0.7215	0.02609	3.6	0.7465	-3.3
081	Unspecified acute lower respiratory infection	119	-	*	*	*	*	*
082	Chronic lower respiratory diseases	109,746	105,411	1.0411	0.00095	0.1	1.0478	-0.6
083	Bronchitis, chronic and unspecified	1,207	3,127	0.3860	0.00932	2.4	0.3935	-1.9
084	Emphysema	16,521	17,179	0.9617	0.00301	0.3	0.9726	-1.1
085	Asthma	4,971	5,614	0.8855	0.00583	0.7	0.8938	-0.9
086	Other chronic lower respiratory diseases	87,047	79,491	1.0951	0.00142	0.1	1.097	-0.2
087	Pneumoconioses and chemical effects	1,154	1,135	1.0167	0.01055	1.0	1.0178	-0.1
088	Pneumonitis due to solids and liquids	11,338	10,264	1.1046	0.00484	0.4	1.1185	-1.2
089	Other diseases of respiratory system	20,676	18,621	1.1104	0.00464	0.4	1.1673	-4.9
090	Peptic ulcer	4,979	5,127	0.9711	0.00475	0.5	0.9696	0.2
091	Diseases of appendix	410	421	0.9739	0.02309	2.4	1.0347	-5.9
092	Hernia	1,408	1,391	1.0122	0.01221	1.2	1.0395	-2.6
093	Chronic liver disease and cirrhosis	25,659	24,861	1.0321	0.00262	0.3	1.0367	-0.4
094	Alcoholic liver disease	11,971	11,962	1.0008	0.00465	0.5	1.0183	-1.7
095	Other chronic liver disease and cirrhosis	13,688	12,899	1.0612	0.00411	0.4	1.0535	0.7
096	Cholelithiasis and other disorders of gallbladder	2,706	2,816	0.9609	0.00689	0.7	0.9567	0.4
097	Nephritis, nephrotic syndrome and nephrosis	30,401	24,215	1.2555	0.00438	0.3	1.232	1.9
098	Acute and rapidly progressive nephritic and nephrotic syndrome	208	320	0.6500	0.03226	5.0	0.6466	0.5
099	Chronic glomerulonephritis, nephritis and nephrosis not specified as acute or chronic and renal sclerosis unspecified	670	1,629	0.4113	0.01302	3.2	0.3858	6.6
100	Renal failure	29,487	22,224	1.3268	0.00497	0.4	1.2949	2.5
101	Other disorders of kidney	36	42	0.8571	0.09859	11.5	0.9091	-5.7
102	Infections of kidney	905	885	1.0226	0.01608	1.6	1.0069	1.6
103	Hyperplasia of prostate	462	455	1.0154	0.01729	1.7	0.9969	1.9
104	Inflammatory diseases of female pelvic organs	100	112	0.8929	0.04622	5.2	0.9844	-9.3
105	Pregnancy, childbirth and the puerperium	325	285	1.1404	0.03747	3.3	*	*
106	Pregnancy with abortive outcome	41	39	1.0513	0.10516	10.0	*	*
107	Other complications of pregnancy, childbirth and the puerperium	284	246	1.1545	0.04411	3.8	*	*
108	Certain conditions originating in the perinatal period	13,892	12,916	1.0756	0.00331	0.3	1.0658	0.9
109	Congenital malformations, deformations and chromosomal abnormalities	10,514	11,740	0.8956	0.00456	0.5	0.847	5.7
110	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	24,877	25,506	0.9753	0.00284	0.3	0.9553	2.1
111	All other diseases (Residual)	146,846	160,672	0.9139	0.00134	0.1	0.8996	1.6
112	Accidents (unintentional injuries)	88,815	86,639	1.0251	0.00055	0.1	1.0305	-0.5
113	Transport accidents	45,786	46,053	0.9942	0.00079	0.1	0.9978	-0.4
114	Motor vehicle accidents	41,001	43,037	0.9527	0.00124	0.1	0.8527	11.7
115	Other land transport accidents	2,610	729	3.5802	0.11559	3.2	*	*
116	Water, air and space, and other and unspecified transport accidents and their sequelae	2,175	2,287	0.9510	0.00980	1.0	1.0115	-6.0
117	Nontransport accidents	43,029	40,586	1.0602	0.00142	0.1	1.0763	-1.5
118	Falls	10,743	13,916	0.7720	0.00411	0.5	0.8409	-8.2
119	Accidental discharge of firearms	1,049	1,032	1.0165	0.00526	0.5	1.0579	-3.9
120	Accidental drowning and submersion	3,542	3,440	1.0297	0.00558	0.5	0.9965	3.3
121	Accidental exposure to smoke, fire and flames	3,647	3,649	0.9995	0.00404	0.4	0.9743	2.6
122	Accidental poisoning and exposure to noxious substances	8,236	7,953	1.0356	0.00278	0.3	*	*
123	Other and unspecified nontransport accidents and their sequelae	15,812	10,596	1.4923	0.00907	0.6	1.4188	5.2

**TABLE C.2 ESTIMATED COMPARABILITY RATIOS FOR 113
SELECTED CAUSES OF DEATH** (Continued)

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
124	Intentional self-harm (suicide)	29,974	29,907	1.0022	0.00044	0.0	0.9962	0.6
125	Intentional self-harm (suicide) by discharge of firearms	17,905	17,884	1.0012	0.00080	0.1	0.9982	0.3
126	Intentional self-harm (suicide) by other and unspecified means and their sequelae	12,069	12,023	1.0038	0.00129	0.1	0.9896	1.4
127	Assault (homicide)	20,180	20,140	1.0020	0.00051	0.1	0.9983	0.4
128	Assault (homicide) by discharge of firearms	13,881	13,855	1.0019	0.00079	0.1	0.9969	0.5
129	Assault (homicide) by other and unspecified means and their sequelae	6,299	6,285	1.0022	0.00207	0.2	1.0017	0.1
130	Legal intervention	307	328	0.9360	0.01889	2.0	*	*
131	Events of undetermined intent	2,745	2,782	0.9867	0.00386	0.4	*	*
132	Discharge of firearms, undetermined intent	222	222	1.0000	0.00899	0.9	*	*
133	Other and unspecified events of undetermined intent and their sequelae	2,523	2,560	0.9855	0.00423	0.4	*	*
134	Operations of war and their sequelae	7	12	*	*	*	*	*
135	Complications of medical and surgical care	1,912	3,033	0.6304	0.01353	2.1	*	*

— Quantity zero

. . . Category not applicable

* Figure does not meet standards of reliability or precision

Source: National Center for Health Statistics (ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/Comparability/icd9_icd10/Comparability_Ratio_tables.xls)

TABLE C.3 ESTIMATED COMPARABILITY RATIOS FOR 130 SELECTED CAUSES OF INFANT DEATH

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
001	Certain infectious and parasitic diseases	500	697	0.7174	0.02609	3.6	0.7339	-2.3
002	Certain intestinal infectious diseases	10	6	*	*	*	*	*
003	Diarrhea and gastroenteritis of infectious origin	-	202	*	*	*	*	*
004	Tuberculosis	2	2	*	*	*	*	*
005	Tetanus	-	-	*	*	*	*	*
006	Diphtheria	-	-	*	*	*	*	*
007	Whooping cough	6	4	*	*	*	*	*
008	Meningococcal infection	36	37	0.9730	0.05961	6.1	0.9615	1.2
009	Septicemia	239	198	1.2071	0.05465	4.5	1.3802	-12.5
010	Congenital syphilis	4	6	*	*	*	*	*
011	Gonococcal infection	3	-	*	*	*	*	*
012	Viral diseases	137	127	1.0787	0.07929	7.3	1	7.9
013	Acute poliomyelitis	-	-	*	*	*	*	*
014	Varicella (chickenpox)	6	6	*	*	*	*	*
015	Measles	-	-	*	*	*	*	*
016	Human immunodeficiency virus (HIV) disease	37	38	0.9737	0.08612	8.8	1.0455	-6.9
017	Mumps	-	-	*	*	*	*	*
018	Other and unspecified viral diseases	94	83	1.1325	0.11681	10.3	0.9722	16.5
019	Candidiasis	22	32	0.6875	0.10993	16.0 *	*	*
020	Malaria	-	-	*	*	*	*	*
021	Pneumocystosis	3	7	*	*	*	*	*
022	All other and unspecified infectious and parasitic diseases	38	76	0.5000	0.07895	15.8 *	*	*
023	Neoplasms	149	146	1.0205	0.03726	3.7	1.0139	0.7
024	Malignant neoplasms	93	86	1.0814	0.05799	5.4	1.0435	3.6
025	Hodgkin's disease and non-Hodgkin's lymphomas	2	1	*	*	*	*	*
026	Leukemia	33	32	1.0313	0.05495	5.3	*	*
027	Other and unspecified malignant neoplasms	58	53	1.0943	0.09045	8.3	1.0714	2.1
028	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	56	60	0.9333	0.07889	8.5	0.9615	-2.9
029	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	93	105	0.8857	0.07814	8.8	0.7	26.5
030	Anemias	16	30	0.5333	0.09738	18.3	*	*
031	Hemorrhagic conditions and other diseases of blood and blood-forming organs	49	48	1.0208	0.14430	14.1	*	*
032	Certain disorders involving the immune mechanism	28	27	1.0370	0.14608	14.1	*	*
033	Endocrine, nutritional and metabolic diseases	247	270	0.9148	0.04146	4.5	0.8682	5.4
034	Short stature, not elsewhere classified	19	30	0.6333	0.11562	18.3	*	*
035	Nutritional deficiencies	8	11	0.7273	*	*	*	*
036	Cystic fibrosis	8	7	1.1429	*	*	*	*
037	Volume depletion, disorders of fluid, electrolyte and acid-base balance	62	87	0.7126	0.06792	9.5	0.7547	-5.6
038	All other endocrine, nutritional and metabolic diseases	150	135	1.1111	0.06671	6.0	1.1636	-4.5
039	Diseases of the nervous system	466	453	1.0287	0.02601	2.5	1.0664	-3.5
040	Meningitis	104	100	1.0400	0.04078	3.9	1	4.0
041	Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	63	63	1.0000	0.03890	3.9	1	0.0
042	Infantile cerebral palsy	15	22	*	*	*	*	*
043	Anoxic brain damage, not elsewhere classified	41	48	0.8542	0.11061	12.9	0.9667	-11.6
044	Other diseases of nervous system	243	220	1.1045	0.04456	4.0	1.1508	-4.0
045	Diseases of the ear and mastoid process	8	8	*	*	*	*	*
046	Diseases of the circulatory system	612	928	0.6595	0.01988	3.0	0.7138	-7.6
047	Pulmonary heart disease and diseases of pulmonary circulation	162	196	0.8265	0.03936	4.8	1.122	-26.3
048	Pericarditis, endocarditis and myocarditis	18	17	*	*	*	*	*
049	Cardiomyopathy	119	127	0.9370	0.03234	3.5	0.9762	-4.0
050	Cardiac arrest	51	123	0.4146	0.05441	13.1	0.2874	44.3
051	Cerebrovascular diseases	83	231	0.3593	0.03442	9.6	0.4724	-23.9
052	All other diseases of circulatory system	179	234	0.7650	0.04801	6.3	0.7154	6.9
053	Diseases of the respiratory system	648	818	0.7922	0.01928	2.4	0.814	-2.7
054	Acute upper respiratory infections	12	18	*	*	*	*	*
055	Influenza and pneumonia	334	460	0.7261	0.02343	3.2	0.7624	-4.8
056	Influenza	12	15	*	*	*	*	*
057	Pneumonia	322	445	0.7236	0.02395	3.3	0.7593	-4.7
058	Acute bronchitis and acute bronchiolitis	54	61	0.8852	0.07713	8.7	0.8049	10.0
059	Bronchitis, chronic and unspecified	22	27	0.8148	0.12053	14.8 *	*	*
060	Asthma	8	8	*	*	*	*	*
061	Pneumonitis due to solids and liquids	11	16	*	*	*	*	*
062	Other and unspecified diseases of respiratory system	207	228	0.9079	0.05169	5.7	0.9213	-1.5

TABLE C.3 ESTIMATED COMPARABILITY RATIOS FOR 130 SELECTED CAUSES OF INFANT DEATH (Continued)

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
063	Diseases of the digestive system	491	348	1.4109	0.06358	4.5	1.6647	-15.2
	Gastritis, duodenitis, and noninfective enteritis and colitis	207	78	2.6538	0.27628	10.4	2.9149	-9.0
064	Hernia of abdominal cavity and intestinal obstruction without hernia	84	69	1.2174	0.14915	12.3 *	*	
065	All other and unspecified diseases of digestive system	200	201	0.9950	0.05085	5.1	0.9767	1.9
066	Diseases of the genitourinary system	169	171	0.9883	0.04864	4.9	1	-1.2
067	Renal failure and other disorders of kidney	142	135	1.0519	0.06030	5.7	1.0408	1.1
068	Other and unspecified diseases of genitourinary system	27	36	0.7500	0.08673	11.6 *	*	
069	Certain conditions originating in the perinatal period	13741	12804	1.0732	0.00323	0.3	1.0581	1.4
070	Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	2517	2421	1.0397	0.00893	0.9	1.039	0.1
071	Newborn affected by maternal hypertensive disorders	47	45	1.0444	0.07868	7.5	1.0455	-0.1
072	Newborn affected by other maternal conditions which may be unrelated to present pregnancy	52	60	0.8667	0.12217	14.1 *	*	
073	Newborn affected by maternal complications of pregnancy	1307	1243	1.0515	0.01267	1.2	1.0295	2.1
074	Newborn affected by incompetent cervix	353	338	1.0444	0.01737	1.7	1.0199	2.4
075	Newborn affected by premature rupture of membranes	600	579	1.0363	0.01255	1.2	1.0228	1.3
076	Newborn affected by multiple pregnancy	198	208	0.9519	0.04299	4.5	1.0097	-5.7
077	Newborn affected by other maternal complications of pregnancy	156	118	1.3220	0.09036	6.8	1.2188	8.5
078	Newborn affected by complications of placenta, cord and membranes	963	942	1.0223	0.01301	1.3	1.047	-2.4
079	Newborn affected by complications involving placenta	544	533	1.0206	0.01808	1.8	1.0737	-4.9
080	Newborn affected by complications involving cord	65	58	1.1207	0.09828	8.8	*	*
081	Newborn affected by chorioamnionitis	351	347	1.0115	0.01690	1.7	1.0118	0.0
082	Newborn affected by other and unspecified abnormalities of	3	4	*	*	*	*	*
083	Newborn affected by other complications of labor and delivery	107	78	1.3718	0.14167	10.3	1.85	-25.8
084	Newborn affected by noxious influences transmitted via placenta or breast milk	41	53	0.7736	0.07422	9.6	*	*
085	Disorders related to length of gestation and fetal malnutrition	4309	3880	1.1106	0.00671	0.6	1.1062	0.4
086	Slow fetal growth and fetal malnutrition	58	44	1.3182	0.12238	9.3	1.1333	16.3
087	Disorders related to short gestation and low birth weight, not elsewhere classified	4251	3836	1.1082	0.00668	0.6	1.106	0.2
088	Extremely low birth weight or extreme immaturity	3173	2875	1.1037	0.00817	0.7	1.1083	-0.4
089	Other low birth weight or preterm	1078	961	1.1217	0.01531	1.4	1.0993	2.0
090	Disorders related to long gestation and high birth weight	-	-	*	*	*	*	*
091	Birth trauma	140	163	0.8589	0.08490	9.9	0.0442	1843.2
092	Intrauterine hypoxia and birth asphyxia	560	423	1.3239	0.04608	3.5	1.4477	-8.6
093	Intrauterine hypoxia	94	110	0.8545	0.09582	11.2	0.9048	-5.6
094	Birth asphyxia	466	313	1.4888	0.06176	4.1	1.6075	-7.4
095	Respiratory distress of newborn	2904	3144	0.9237	0.01417	1.6	1.0257	-9.9
096	Other respiratory conditions originating in the perinatal period	1176	1352	0.8698			0.8455	2.9
097	Congenital pneumonia	93	24	3.8750	0.71968	18.6	3.8	2.0
098	Neonatal aspiration syndromes	117	82	1.4268	0.09553	6.7	1.3929	2.4
099	Interstitial emphysema and related conditions originating in the perinatal period	245	163	1.5031	0.08308	5.5	1.2066	24.6
100	Pulmonary hemorrhage originating in the perinatal period	276	180	1.5333	0.07410	4.8	1.4621	4.9
101	Chronic respiratory disease originating in the perinatal period	358	316	1.1329	0.03266	2.9	1.1355	-0.2
102	Atelectasis	558	251	2.2231	0.11002	4.9	2.0649	7.7
103	All other respiratory conditions originating in the perinatal period	81	776	0.1044	0.01153	11.0	0.066	58.2
104	Infections specific to the perinatal period	860	751	1.1451	0.02662	2.3	1.0199	12.3
105	Bacterial sepsis of newborn	671	681	0.9853	0.02688	2.7	0.9144	7.8
106	Omphalitis of newborn with or without mild hemorrhage	3	3	*	*	*	*	*
107	All other infections specific to the perinatal period	186	67	2.7761	0.30354	10.9	2.4474	13.4
108	Hemorrhagic and hematological disorders of newborn	514	386	1.3316	0.05919	4.4	1.4234	-6.4
109	Neonatal hemorrhage	390	298	1.3087	0.06737	5.1	1.4369	-8.9
110	Hemorrhagic disease of newborn	1	2	*	*	*	*	*
111	Hemolytic disease of newborn due to isoimmunization and other perinatal	16	23	0.6957	0.14952	21.5	*	*
112	Hematological disorders	107	63	1.6984	0.19404	11.4	*	*
113	Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	7	9	*	*	*	*	*
114	Necrotizing enterocolitis of newborn	370	310	1.1935	0.03796	3.2	1.2266	-2.7
115	Hydrops fetalis not due to hemolytic disease	157	151	1.0397	0.02865	2.8	1	4.0
116	Other perinatal conditions	1403	1166	1.2033	0.02135	1.8	1.1447	5.1
117								

TABLE C.3 ESTIMATED COMPARABILITY RATIOS FOR 130 SELECTED CAUSES OF INFANT DEATH (Continued)

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
118	Congenital malformations, deformations and chromosomal abnormalities	5874	6330	0.9280	0.00506	0.5	0.9064	2.4
119	Anencephaly and similar malformations	351	350	1.0029	0.00949	0.9	1	0.3
120	Congenital hydrocephalus	96	145	0.6621	0.04988	7.5	0.6813	-2.8
121	Spina bifida	52	63	0.8254	0.06608	8.0	0.75	10.1
122	Other congenital malformations of nervous system	324	297	1.0909	0.04205	3.9	1.0791	1.1
123	Congenital malformations of heart	1936	1910	1.0136	0.00934	0.9	0.9951	1.9
124	Other congenital malformations of circulatory system	236	347	0.6801	0.03233	4.8	0.6198	9.7
125	Congenital malformations of respiratory system	640	948	0.6751	0.01863	2.8	0.6322	6.8
126	Congenital malformations of digestive system	66	79	0.8354	0.08099	9.7	*	*
127	Congenital malformations of genitourinary system	332	335	0.9910	0.02504	2.5	0.9432	5.1
128	Congenital malformations and deformations of musculoskeletal system, limbs and integument	456	476	0.9580	0.03159	3.3	0.865	10.7
129	Down's syndrome	104	106	0.9811	0.05607	5.7	0.9828	-0.2
130	Edward's syndrome	364	362	1.0055	0.01239	1.2	0.9964	0.9
131	Patau's syndrome	233	244	0.9549	0.01836	1.9	0.9827	-2.8
132	Other congenital malformations and deformations	524	535	0.9794	0.02738	2.8	0.9744	0.5
133	Other chromosomal abnormalities, not elsewhere classified	160	133	1.2030	0.06750	5.6	1.0755	11.9
134	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	3741	3663	1.0213	0.00440	0.4	1.0245	-0.3
135	Sudden infant death syndrome	3006	2844	1.0570	0.00514	0.5	1.0362	2.0
136	Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	735	819	0.8974	0.01309	1.5	0.9069	-1.0
137	All other diseases (Residual)	25	21	1.1905	0.24370	20.5	*	*
138	External causes of mortality	1061	1063	0.9981	0.00189	0.1	0.9932	0.5
139	Accidents (unintentional injuries)	716	700	1.0229	0.00577	0.6	1.0246	-0.2
140	Transport accidents	219	215	1.0186	0.01148	1.1	0.9167	11.1
141	Motor vehicle accidents	209	214	0.9766	0.01789	1.8	0.8673	12.6
142	Other and unspecified transport accidents	10	1	*	*	*	*	*
143	Falls	11	8	*	*	*	*	*
144	Accidental discharge of firearms	2	2	*	*	*	*	*
145	Accidental drowning and submersion	58	57	1.0175	0.03064	3.0	*	*
146	Accidental suffocation and strangulation in bed	146	130	1.1231	0.06821	6.1	*	*
147	Other accidental suffocation and strangulation	105	122	0.8607	0.06036	7.0	1.1449	-24.8
148	Accidental inhalation and ingestion of food or other objects causing obstruction	74	65	1.1385	0.05443	4.8	1.1034	3.2
149	Accidents caused by exposure to smoke, fire and flames	52	53	0.9811	0.00000	0.0	*	*
150	Accidental poisoning and exposure to noxious substances	11	11	*	*	*	*	*
151	Other and unspecified accidents	38	37	1.0270	0.09876	9.6	*	*
152	Assault (homicide)	300	300	1.0000	0.01054	1.1	0.9481	5.5
153	Assault (homicide) by hanging, strangulation and suffocation	35	30	1.1667	0.11940	10.2	*	*
154	Assault (homicide) by discharge of firearms	7	8	*	*	*	*	*
155	Neglect, abandonment and other maltreatment syndromes	107	112	0.9554	0.05309	5.6	*	*
156	Assault (homicide) by other and unspecified means	151	150	1.0067	0.04068	4.0	1.0341	-2.7
157	Complications of medical and surgical care	11	25	*	*	*	*	*
158	Other external causes	34	38	0.8947	0.06096	6.8	*	*

- Quantity zero
* Fi d d f l i b l i i i

Source: National Center for Health Statistics (ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/Comparability/icd9_icd10/Comparability_Ratio_tables.xls)

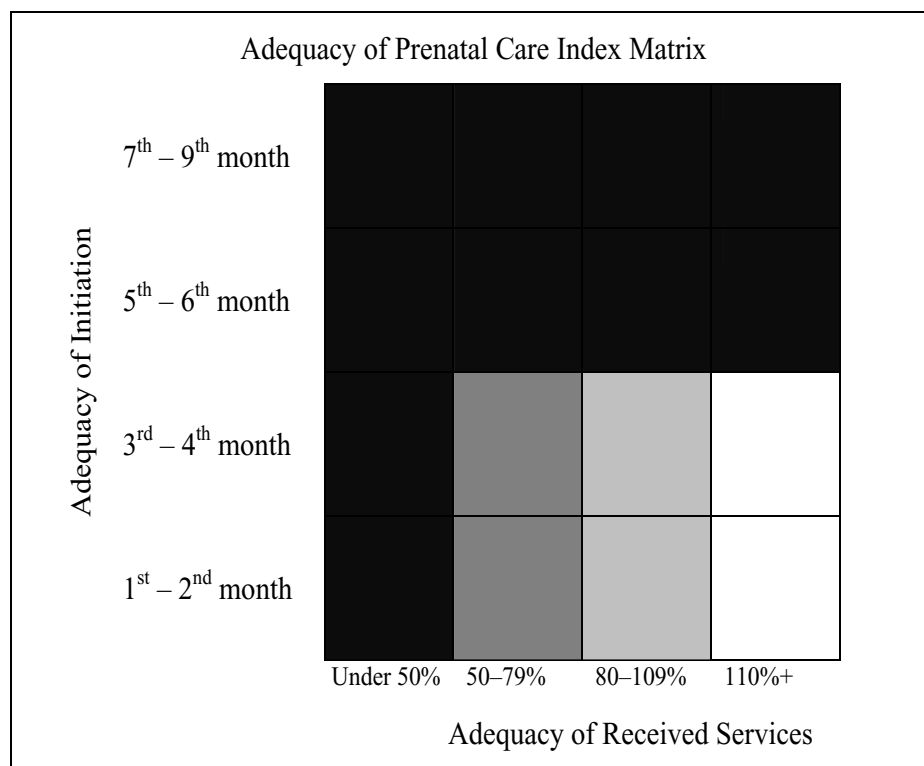
APPENDIX D: PRENATAL CARE

APNCU INDEX

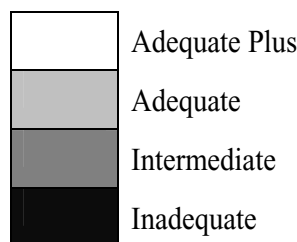
The APNCU index makes use of two types of prenatal care information obtained from birth certificate data: when prenatal care began (adequacy of initiation) and the number of prenatal visits from when prenatal care began until delivery (adequacy of received services). The APNCU index classifies the adequacy of initiation as follows: pregnancy months 1 and 2, months 3 and 4, months 5 and 6, and months 7 to 9. To classify the adequacy of received services, the number of prenatal visits is compared to the expected number of visits for the period between when care began and the delivery date. The expected number of visits is based on the American

College of Obstetricians and Gynecologists prenatal care standards for uncomplicated pregnancies and is adjusted for the gestational age when care began and for the gestational age at delivery. A ratio of observed to expected visits is calculated and grouped into four categories—Inadequate (received less than 50% of expected visits), Intermediate (50%–79%), Adequate (80%–109%), and Adequate Plus (110%). The final APNCU index measure combines these two dimensions into a single summary score. The chart below summarizes the two dimensions of the APNCU index.

TABLE D.1



Summary Index



APPENDIX E: YEAR 2010 HEALTH OBJECTIVES

The U.S. Department of Health and Human Services published *Healthy People 2010: Understanding and Improving Health*¹ to comprehensively address health promotion and disease prevention opportunities in order to allow local communities and states to choose from among its recommendations in addressing their own highest priority needs.

The Alaska Department of Health and Social Services,

Division of Public Health has, using the framework of *Healthy People 2010*, developed targets for improving the health of Alaskans. *Healthy Alaskans 2010: Targets and Strategies for Improved Health* takes Alaska's unique situation and challenges into account.

The table below provides a brief comparison of some of the national and state objectives compared with Alaska vital statistics from 2006 through 2008.

Table E.1: Year 2010 Health Objectives

Health Indicator	Alaska Statistics			Objectives	
	2006	2007	2008	Healthy People Objectives	Healthy Alaskans Objectives
Malignant Neoplasm (Cancer) Death Rate ²	177.8	183.9	181.9	159.9	162.0
Unintentional Injuries Death Rate ²	52.4	57.3	54.9	17.1	31.0
Intentional Self-Harm (Suicide) Death Rate ²	20.1	23.1	24.8	5.0	11.0
Cerebrovascular Disease (Stroke) Death Rate ²	47.1	45.3	43.6	48.0	60.0
Chronic Obstructive Pulmonary Disease Death Rate ²	37.5	45.2	44.8	60.0	21.7
Diabetes Mellitus Death Rate, any mention ²	70.9	63.1	64.4	45.0	62.0
Chronic Liver Disease and Cirrhosis Death Rate ²	6.9	11.6	9.4	3.0	6.0
Infant Mortality Rate ³	6.5	6.3	6.4	4.5	4.5
Neonatal Infant Mortality Rate ³	3.4	3.3	3.0	2.9	2.5
Postneonatal Infant Mortality Rate ³	3.1	3.1	3.4	1.2	2.3
Low Birth Weight (<2500 grams) Percent	5.9%	5.6%	6.0%	5.0%	4.0%
Very Low Birth Weight (<1500 grams) Percent	1.1%	0.9%	1.0%	0.9%	0.8%
Mothers Abstaining from Tobacco Use During Pregnancy	82.3%	82.3%	82.5%	99.0%	85.0%
Alaska Mothers Receiving Prenatal Care During the First Trimester	79.0%	77.7%	76.2%	90.0%	85.0%
White Mothers Receiving Prenatal Care During the First Trimester	82.9%	83.0%	82.0%	90.0%	85.0%
Native Mothers Receiving Prenatal Care During the First Trimester	70.7%	68.0%	66.1%	90.0%	85.0%

¹ U.S. Department of Health and Human Services. *Healthy People 2010: Understanding and Improving Health*. 2nd ed. Washington, DC: U.S. Government Printing Office, November 2000.

² Rate per 100,000 U.S. 2000 standard million population.

³ Infant mortality rates are three-year averages using the death cohort method.

APPENDIX G: GEOGRAPHIC INFORMATION

Some of the information in this report is provided by geographic regions. There are three different ways in which Alaska is divided into regions: 1) by census area; 2) by Native Regional Corporation boundaries; and 3) by

judicial districts. The following alphabetic list shows the census area and Native Regional Corporation for each location.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
ADAK	ALEUTIANS WEST	ALEUT CORP.
AFOGNAK	KODIAK ISLAND BOROUGH	KONIAG INC.
AKHIOK	KODIAK ISLAND BOROUGH	KONIAG INC.
AKIACHAK	BETHEL	CALISTA CORP.
AKIAK	BETHEL	CALISTA CORP.
AKULURAK MISSION	BETHEL	CALISTA CORP.
AKUTAN	ALEUTIANS EAST	ALEUT CORP.
ALAKANUK	WADE HAMPTON	CALISTA CORP.
ALASKA HWY	SOUTHEAST FAIRBANKS	DOYON LTD.
ALATNA	YUKON/KOYUKUK	DOYON LTD.
ALCAN	SOUTHEAST FAIRBANKS	DOYON LTD.
ALEKNAGIK	DILLINGHAM	BRISTOL BAY CORP.
ALEXANDER CREEK	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
ALITAK	KODIAK ISLAND BOROUGH	KONIAG INC.
ALLAKAKET	YUKON/KOYUKUK	DOYON LTD.
AMBLER	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
AMCHITKA	ALEUTIANS WEST	ALEUT CORP.
ANAKTUVAK PASS	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
ANCHOR POINT	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
ANCHORAGE	ANCHORAGE BOROUGH	COOK INLET REGION INC.
ANCHORAGE (CHUGACH)	ANCHORAGE BOROUGH	CHUGACH NATIVES INC.
ANCHORAGE AIRPORT	ANCHORAGE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
ANDERAFSKI	WADE HAMPTON	CALISTA CORP.
ANDERSON	DENALI BOROUGH	DOYON LTD.
ANGOON	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
ANIAK	BETHEL	CALISTA CORP.
ANNETTE	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
ANNETTE ISLAND	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
ANVIK	YUKON/KOYUKUK	DOYON LTD.
ARCTIC CIRCLE	YUKON/KOYUKUK	DOYON LTD.
ARCTIC VILLAGE	YUKON/KOYUKUK	DOYON LTD.
ATKA	ALEUTIANS WEST	ALEUT CORP.
ATKASOOK	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
ATMAUTHUAK	BETHEL	CALISTA CORP.
ATTU	ALEUTIANS WEST	ALEUT CORP.
AUKE BAY	JUNEAU BOROUGH	SEALASKA CORP.
AURORA LODGE	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
BARANOF	SITKA BOROUGH	SEALASKA CORP.
BARE ISLAND	KODIAK ISLAND BOROUGH	KONIAG INC.
BARROW	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
BARTER ISLAND	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
BEAVER	YUKON/KOYUKUK	DOYON LTD.
BELL ISLAND	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
BELOFSKI	ALEUTIANS EAST	ALEUT CORP.
BELUGA	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
BERRY	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
BESSIE DREDGE #5	NOME	BERING STRAITS CORP.
BETHEL	BETHEL	CALISTA CORP.
BETTLES	YUKON/KOYUKUK	DOYON LTD.
BIG DELTA	SOUTHEAST FAIRBANKS	DOYON LTD.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
BIG HORN	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
BIG LAKE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
BILL MOORES SLOUGH	WADE HAMPTON	CALISTA CORP.
BIORKA ISLAND	SITKA BOROUGH	SEALASKA CORP.
BIRCH CREEK	YUKON/KOYUKUK	DOYON LTD.
BIRCH LAKE	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
BIRCHWOOD	ANCHORAGE BOROUGH	COOK INLET REGION INC.
BIRD CREEK	ANCHORAGE BOROUGH	COOK INLET REGION INC.
BODENBURG BUTTE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
BOUNDARY	SOUTHEAST FAIRBANKS	DOYON LTD.
BRAFIELD CANAL	WRANGELL/PETERSBURG	SEALASKA CORP.
BREVIQ MISSION	NOME	BERING STRAITS CORP.
BROAD PASS	MATANUSKA-SUSITNA BOROUGH	AHTNA INC.
BUCKLAND	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
BUTTE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
CAMP CARROL	ANCHORAGE BOROUGH	COOK INLET REGION INC.
CAMPION AFS	YUKON/KOYUKUK	DOYON LTD.
CANDLE	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
CANTWELL	DENALI BOROUGH	AHTNA INC.
CANYON CITY	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
CANYON VILLAGE	YUKON/KOYUKUK	DOYON LTD.
CAPE LISBURNE	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
CAPE NEWENHAM AFS	BETHEL	CALISTA CORP.
CAPE POLE	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
CAPE ROMANZOFF	WADE HAMPTON	CALISTA CORP.
CAPE YAKATAGA	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
CASWELL	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
CENTRAL	YUKON/KOYUKUK	DOYON LTD.
CHALKYITSIK	YUKON/KOYUKUK	DOYON LTD.
CHANDALAR	YUKON/KOYUKUK	DOYON LTD.
CHANLILIUT	WADE HAMPTON	CALISTA CORP.
CHASE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
CHATANIKA	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
CHEFORNAK	BETHEL	CALISTA CORP.
CHENA HOT SPRINGS	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
CHENEGA	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
CHEVAK	WADE HAMPTON	CALISTA CORP.
CHICHAGOF	SITKA BOROUGH	SEALASKA CORP.
CHICKALOON	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
CHICKEN	SOUTHEAST FAIRBANKS	DOYON LTD.
CHIGNIK	LAKE AND PENINSULA	BRISTOL BAY CORP.
CHIGNIK LAGOON	LAKE AND PENINSULA	BRISTOL BAY CORP.
CHIGNIK LAKE	LAKE AND PENINSULA	BRISTOL BAY CORP.
CHILKAT	HAINES BOROUGH	SEALASKA CORP.
CHILKOOT	HAINES BOROUGH	SEALASKA CORP.
CHINIAK	KODIAK ISLAND BOROUGH	KONIAG INC.
CHISANA	VALDEZ/CORDOVA	AHTNA INC.
CHISTOCHINA	VALDEZ/CORDOVA	AHTNA INC.
CHITINA	VALDEZ/CORDOVA	AHTNA INC.
CHRISTIAN	YUKON/KOYUKUK	DOYON LTD.
CHUATHBALUK	BETHEL	CALISTA CORP.
CHUGIAK	ANCHORAGE BOROUGH	COOK INLET REGION INC.
CHULITNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
CHULLOONAWICK	WADE HAMPTON	CALISTA CORP.
CIRCLE	YUKON/KOYUKUK	DOYON LTD.
CIRCLE HOT SPRINGS	YUKON/KOYUKUK	DOYON LTD.
CLAM GULCH	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
CLARKS POINT	DILLINGHAM	BRISTOL BAY CORP.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
CLEAR	DENALI BOROUGH	DOYON LTD.
CLOVER PASS	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
COFFMAN COVE	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
COHOE	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
COLD BAY	ALEUTIANS EAST	ALEUT CORP.
COLDFOOT	YUKON/KOYUKUK	DOYON LTD.
COLLEGE	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
COOPER LANDING	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
COPPER CENTER	VALDEZ/CORDOVA	AHTNA INC.
COPPERVILLE	VALDEZ/CORDOVA	AHTNA INC.
CORDOVA	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
COUNCIL	NOME	BERING STRAITS CORP.
COVENANT LIFE	HAINES BOROUGH	SEALASKA CORP.
CRAIG	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
CROOKED CREEK	BETHEL	CALISTA CORP.
CROWN POINT	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
CUBE COVE	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
CURRY	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
CUTOFF	YUKON/KOYUKUK	DOYON LTD.
DALTON HWY 1	YUKON/KOYUKUK	DOYON LTD.
DALTON HWY 2	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
DANGER BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
DEADHORSE	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
DEERING	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
DELTA JUNCTION	SOUTHEAST FAIRBANKS	DOYON LTD.
DENALI PARK	DENALI BOROUGH	DOYON LTD.
DILLINGHAM	DILLINGHAM	BRISTOL BAY CORP.
DIOMEDE	NOME	BERING STRAITS CORP.
DOME	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
DORA BAY	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
DOT LAKE	SOUTHEAST FAIRBANKS	DOYON LTD.
DOUGLAS	JUNEAU BOROUGH	SEALASKA CORP.
DRY CREEK	SOUTHEAST FAIRBANKS	DOYON LTD.
DUNBAR	YUKON/KOYUKUK	DOYON LTD.
DUTCH HARBOR	ALEUTIANS WEST	ALEUT CORP.
EAGLE	SOUTHEAST FAIRBANKS	DOYON LTD.
EAGLE RIVER	ANCHORAGE BOROUGH	COOK INLET REGION INC.
EAGLE VILLAGE	SOUTHEAST FAIRBANKS	DOYON LTD.
EDGERTON HWY	VALDEZ/CORDOVA	AHTNA INC.
EDNA BAY	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
EEL	BETHEL	CALISTA CORP.
EGEGIK	LAKE AND PENINSULA	BRISTOL BAY CORP.
EIELSON AFB	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
EKLUTNA	ANCHORAGE BOROUGH	COOK INLET REGION INC.
EKUK	DILLINGHAM	BRISTOL BAY CORP.
EKWOK	DILLINGHAM	BRISTOL BAY CORP.
ELFIN COVE	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
ELIM	NOME	BERING STRAITS CORP.
ELLAMAR	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
ELLIOTT HWY 1	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
ELLIOTT HWY 2	YUKON/KOYUKUK	DOYON LTD.
ELMENDORF AFB	ANCHORAGE BOROUGH	COOK INLET REGION INC.
EMMONAK	WADE HAMPTON	CALISTA CORP.
ENGLISH BAY	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
ESKA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
ESTER	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
ETOLIN	WRANGELL/PETERSBURG	SEALASKA CORP.
EUREKA LODGE	VALDEZ/CORDOVA	AHTNA INC.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
EVANSVILLE	YUKON/KOYUKUK	DOYON LTD.
EXCURSION INLET	HAINES BOROUGH	SEALASKA CORP.
EYAK	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
FAIRBANKS	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
FALSE ISLAND	SITKA BOROUGH	SEALASKA CORP.
FALSE PASS	ALEUTIANS EAST	ALEUT CORP.
FAREWELL	YUKON/KOYUKUK	DOYON LTD.
FERRY	DENALI BOROUGH	DOYON LTD.
FIRE ISLAND	ANCHORAGE BOROUGH	COOK INLET REGION INC.
FLAT	YUKON/KOYUKUK	DOYON LTD.
FORT GREELY	SOUTHEAST FAIRBANKS	DOYON LTD.
FORT RANDALL	ALEUTIANS EAST	ALEUT CORP.
FORT RICHARDSON	ANCHORAGE BOROUGH	COOK INLET REGION INC.
FORT WAINWRIGHT	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
FORT YUKON	YUKON/KOYUKUK	DOYON LTD.
FORTUNA LEDGE	WADE HAMPTON	CALISTA CORP.
FOX	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
FOX RIVER	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
FRESHWATER BAY	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
FRITZ CREEK	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
FUNTER BAY	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
GAKONA	VALDEZ/CORDOVA	AHTNA INC.
GALENA	YUKON/KOYUKUK	DOYON LTD.
GALLA LOGG CAMP	WRANGELL/PETERSBURG	ARCTIC SLOPE REGIONAL CORP.
GAMBELL	NOME	BERING STRAITS CORP.
GAME CREEK	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
GEORGE INLET	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
GEORGETOWN	BETHEL	CALISTA CORP.
GIRDWOOD	ANCHORAGE BOROUGH	COOK INLET REGION INC.
GLENN HWY MI 22	ANCHORAGE BOROUGH	COOK INLET REGION INC.
GLENN HWY 1	ANCHORAGE BOROUGH	COOK INLET REGION INC.
GLENN HWY 2	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
GLENN HWY 3	MATANUSKA-SUSITNA BOROUGH	AHTNA INC.
GLENN HWY 4	VALDEZ/CORDOVA	AHTNA INC.
GLENN HWY 5	SOUTHEAST FAIRBANKS	DOYON LTD.
GLENNALLEN	VALDEZ/CORDOVA	AHTNA INC.
GODDARD	SITKA BOROUGH	SEALASKA CORP.
GOLD CREEK	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
GOLOVIN	NOME	BERING STRAITS CORP.
GOODNEWS BAY	BETHEL	CALISTA CORP.
GRAEHL	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
GRAYLING	YUKON/KOYUKUK	DOYON LTD.
GROUSE CREEK GROUP	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
GULKANA	VALDEZ/CORDOVA	AHTNA INC.
GUSTAVUS	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
HAINES	HAINES BOROUGH	SEALASKA CORP.
HALIBUT COVE	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
HAMILTON	WADE HAMPTON	CALISTA CORP.
HAMILTON ACRES	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
HAPPY VALLEY	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
HARDING LAKE	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
HASSLER PASS	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
HAWK INLET	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
HAYCOCK	NOME	BERING STRAITS CORP.
HEALY	DENALI BOROUGH	DOYON LTD.
HEALY LAKE	SOUTHEAST FAIRBANKS	DOYON LTD.
HERRING COVE	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
HERRING POINT	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
HOBART BAY	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
HOGATZA	YUKON/KOYUKUK	DOYON LTD.
HOLIKACHUK	YUKON/KOYUKUK	DOYON LTD.
HOLITNA RIVER	BETHEL	CALISTA CORP.
HOLLIS	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
HOLY CROSS	YUKON/KOYUKUK	DOYON LTD.
HOMER	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
HOONAH	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
HOOPER BAY	WADE HAMPTON	CALISTA CORP.
HOPE	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
HOUSTON	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
HUGHES	YUKON/KOYUKUK	DOYON LTD.
HURRICANE	MATANUSKA-SUSITNA BOROUGH	DOYON LTD.
HUSLIA	YUKON/KOYUKUK	DOYON LTD.
HYDABURG	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
HYDER	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
ICY BAY	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
IDITAROD	YUKON/KOYUKUK	DOYON LTD.
IGIUGIG	LAKE AND PENINSULA	BRISTOL BAY CORP.
IGLOO	NOME	BERING STRAITS CORP.
ILIAMNA	LAKE AND PENINSULA	BRISTOL BAY CORP.
INALIK	NOME	BERING STRAITS CORP.
INDIAN	ANCHORAGE BOROUGH	COOK INLET REGION INC.
INDIAN MOUNTAIN	YUKON/KOYUKUK	DOYON LTD.
IVANOFF BAY	LAKE AND PENINSULA	ARCTIC SLOPE REGIONAL CORP.
JAKOLOF BAY	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
JONESVILLE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
JUNEAU	JUNEAU BOROUGH	SEALASKA CORP.
KACHAMAK	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
KAGUYAK	KODIAK ISLAND BOROUGH	KONIAG INC.
KAKE	WRANGELL/PETERSBURG	SEALASKA CORP.
KAKHONAK BAY	LAKE AND PENINSULA	BRISTOL BAY CORP.
KAKTOVIK	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
KALIFONSKY	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
KALSKAG	BETHEL	CALISTA CORP.
KALTAG	YUKON/KOYUKUK	DOYON LTD.
KANAKANAK	DILLINGHAM	BRISTOL BAY CORP.
KARLUK	KODIAK ISLAND BOROUGH	KONIAG INC.
KASAAN	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
KASHWITNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
KASIGLUK	BETHEL	CALISTA CORP.
KASILOF	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
KENAI	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
KENNY LAKE	VALDEZ/CORDOVA	AHTNA INC.
KETCHIKAN	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
KETCHIKAN EAST	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
KETCHIKAN SUBURBAN	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
KEYALUVIK	BETHEL	CALISTA CORP.
KIANA	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
KING COVE	ALEUTIANS EAST	ALEUT CORP.
KING ISLAND	NOME	BERING STRAITS CORP.
KING SALMON	BRISTOL BAY BOROUGH	BRISTOL BAY CORP.
KINGEGAN	NOME	BERING STRAITS CORP.
KIPNUK	BETHEL	CALISTA CORP.
KITOI BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
KIVALINA	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
KIWALIK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
KLAWOCK	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
KLUCHEVA	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
KLUCHEVAYA	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
KLUKWAN	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
KNIK	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
KNUDSON COVE	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
KOBUK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
KODIAK	KODIAK ISLAND BOROUGH	KONIAG INC.
KODIAK NAVAL ST	KODIAK ISLAND BOROUGH	KONIAG INC.
KOKHANOK	LAKE AND PENINSULA	BRISTOL BAY CORP.
KOKRINES	YUKON/KOYUKUK	DOYON LTD.
KOLIGANEK	DILLINGHAM	BRISTOL BAY CORP.
KONGIGANAK	BETHEL	CALISTA CORP.
KOTLIK	WADE HAMPTON	CALISTA CORP.
KOTZEBUE	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
KOYUK	NOME	BERING STRAITS CORP.
KOYUKUK	YUKON/KOYUKUK	DOYON LTD.
KUPREANOF	WRANGELL/PETERSBURG	SEALASKA CORP.
KUSKOKWIM RIVER 1	BETHEL	CALISTA CORP.
KUSKOKWIM RIVER 2	BETHEL	CALISTA CORP.
KUSKOKWIM RIVER 3	YUKON/KOYUKUK	DOYON LTD.
KUZITRINE RIVER	NOME	BERING STRAITS CORP.
KVICHAK	LAKE AND PENINSULA	BRISTOL BAY CORP.
KWETHLUK	BETHEL	CALISTA CORP.
KWIGILLINGOK	BETHEL	CALISTA CORP.
KWIGOK	WADE HAMPTON	CALISTA CORP.
LABOUCHERE BAY	PRINCE OF WALES/OUTER KETCHIKAN	ARCTIC SLOPE REGIONAL CORP.
LADD AFB	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
LAKE CLARK PASS	LAKE AND PENINSULA	BRISTOL BAY CORP.
LAKE MINCHUMINA	YUKON/KOYUKUK	DOYON LTD.
LARSEN BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
LAZY BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
LAZY MOUNTAIN	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
LEMETA	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
LENA BEACH	JUNEAU BOROUGH	SEALASKA CORP.
LENA COVE	JUNEAU BOROUGH	SEALASKA CORP.
LEVELOCK	LAKE AND PENINSULA	BRISTOL BAY CORP.
LIGNITE	DENALI BOROUGH	DOYON LTD.
LIME VILLAGE	BETHEL	CALISTA CORP.
LITTLE DIOMEDE	NOME	BERING STRAITS CORP.
LITTLE PORT WALTER	SITKA BOROUGH	SEALASKA CORP.
LIVENGOOD	YUKON/KOYUKUK	DOYON LTD.
LONELY	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
LONG ISLAND	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
LORING	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
LOST RIVER	NOME	BERING STRAITS CORP.
LOWER KALSKAG	BETHEL	CALISTA CORP.
LOWER TONSINA	VALDEZ/CORDOVA	AHTNA INC.
LUTAK	HAINES BOROUGH	SEALASKA CORP.
MANLEY HOT SPRINGS	YUKON/KOYUKUK	DOYON LTD.
MANOKOTAK	DILLINGHAM	BRISTOL BAY CORP.
MARSHALL	WADE HAMPTON	CALISTA CORP.
MARYS IGLOO	NOME	BERING STRAITS CORP.
MAY CREEK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
MCCARTHY	VALDEZ/CORDOVA	AHTNA INC.
MCCRATH	YUKON/KOYUKUK	DOYON LTD.
MCKINLEY PARK	DENALI BOROUGH	DOYON LTD.
MEADOW LAKES	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
MEAKERVILLE	VALDEZ/CORDOVA	CHUGACH NATIVES INC.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
MEDFRA	YUKON/KOYUKUK	DOYON LTD.
MEKORYUK	BETHEL	CALISTA CORP.
MENDEL TNA LODGE	VALDEZ/CORDOVA	AHTNA INC.
MENTASTA LAKE	VALDEZ/CORDOVA	AHTNA INC.
METLAKATLA	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
MEYERS CHUCK	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
MILLER HOUSE	YUKON/KOYUKUK	DOYON LTD.
MINTO	YUKON/KOYUKUK	DOYON LTD.
MONTANA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
MONTANA CRK LODGE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
MOOSE CREEK	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
MOOSE PASS	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
MOSER BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
MOSES POINT	NOME	BERING STRAITS CORP.
MOUNTAIN POINT	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
MOUNTAIN VIEW	ANCHORAGE BOROUGH	COOK INLET REGION INC.
MOUNTAIN VILLAGE	WADE HAMPTON	CALISTA CORP.
MT DENALI	DENALI BOROUGH	DOYON LTD.
MT EDGE CUMBE	SITKA BOROUGH	SEALASKA CORP.
MT MC KINLEY	DENALI BOROUGH	DOYON LTD.
MUMTRAK	BETHEL	CALISTA CORP.
MURPHY DOME	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
NABESNA	VALDEZ/CORDOVA	AHTNA INC.
NAKNEK	BRISTOL BAY BOROUGH	BRISTOL BAY CORP.
NANAKA	ANCHORAGE BOROUGH	COOK INLET REGION INC.
NANWALEK	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
NAPAIMUTE	BETHEL	ARCTIC SLOPE REGIONAL CORP.
NAPAKIAK	BETHEL	CALISTA CORP.
NAPASKIAK	BETHEL	CALISTA CORP.
NAUKATI BAY	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
NEETS BAY	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
NELSON LAGOON	ALEUTIANS EAST	ALEUT CORP.
NENANA	YUKON/KOYUKUK	DOYON LTD.
NEW STUYAHOK	DILLINGHAM	BRISTOL BAY CORP.
NEWHALEN	LAKE AND PENINSULA	BRISTOL BAY CORP.
NEWTOK	BETHEL	CALISTA CORP.
NIGHTMUTE	BETHEL	CALISTA CORP.
NIKISKI	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
NIKOLAEVSK	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
NIKOLAI	YUKON/KOYUKUK	DOYON LTD.
NIKOLSKI	ALEUTIANS WEST	ALEUT CORP.
NINILCHIK	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
NOATAK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
NOHODKA	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
NOME	NOME	BERING STRAITS CORP.
NONDALTON	LAKE AND PENINSULA	BRISTOL BAY CORP.
NOORVIK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
NORTH KENAI	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
NORTH POLE	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
NORTH WHALE PASS	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
NORTHEAST CAPE	NOME	BERING STRAITS CORP.
NORTHWAY	SOUTHEAST FAIRBANKS	DOYON LTD.
NORTHWAY JUNCTION	SOUTHEAST FAIRBANKS	DOYON LTD.
NORTHWAY VILLAGE	SOUTHEAST FAIRBANKS	DOYON LTD.
NUIQSUT	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
NULATO	YUKON/KOYUKUK	DOYON LTD.
NUNAKA VALLEY	ANCHORAGE BOROUGH	COOK INLET REGION INC.
NUNAM IQUA	WADE HAMPTON	CALISTA CORP.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
NUNAPITCHUK	BETHEL	CALISTA CORP.
NUNIVAK ISLAND	BETHEL	CALISTA CORP.
NUSHAGAK	DILLINGHAM	BRISTOL BAY CORP.
NYAC	BETHEL	CALISTA CORP.
OHGSENAKALE	DILLINGHAM	BRISTOL BAY CORP.
OHOGAMIUTE	WADE HAMPTON	CALISTA CORP.
OLD HARBOR	KODIAK ISLAND BOROUGH	KONIAG INC.
OLNES	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
OPHIR	YUKON/KOYUKUK	DOYON LTD.
OSCARVILLE	BETHEL	CALISTA CORP.
OUZINKIE	KODIAK ISLAND BOROUGH	KONIAG INC.
PAIMUTE	WADE HAMPTON	CALISTA CORP.
PALMER	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
PARKS HWY 1	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
PARKS HWY 2	MATANUSKA-SUSITNA BOROUGH	DOYON LTD.
PARKS HWY 3	MATANUSKA-SUSITNA BOROUGH	AHTNA INC.
PARKS HWY 4	DENALI BOROUGH	AHTNA INC.
PARKS HWY 5	DENALI BOROUGH	DOYON LTD.
PARKS HWY 6	YUKON/KOYUKUK	UNKNOWN
PARKS HWY 7	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
PASTOLIK	WADE HAMPTON	CALISTA CORP.
PAULOFF HARBOR	ALEUTIANS EAST	ALEUT CORP.
PAXSON	VALDEZ/CORDOVA	AHTNA INC.
PEDRO BAY	LAKE AND PENINSULA	BRISTOL BAY CORP.
PELICAN	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
PENNOCK ISLAND	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
PERKINSVILLE	NOME	BERING STRAITS CORP.
PERRYVILLE	LAKE AND PENINSULA	BRISTOL BAY CORP.
PETERS CREEK	ANCHORAGE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
PETERSBURG	WRANGELL/PETERSBURG	SEALASKA CORP.
PETERSVILLE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
PILOT POINT	LAKE AND PENINSULA	BRISTOL BAY CORP.
PILOT STATION	WADE HAMPTON	CALISTA CORP.
PITKA'S POINT	WADE HAMPTON	CALISTA CORP.
PLATINUM	BETHEL	CALISTA CORP.
PLEASANT VALLEY	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
POINT BAKER	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
POINT BARROW	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
POINT HOPE	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
POINT LAY	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
POLK INLET	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
POPE & VANNOY	LAKE AND PENINSULA	BRISTOL BAY CORP.
PORT ALEXANDER	WRANGELL/PETERSBURG	SEALASKA CORP.
PORT ALICE	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
PORT ALSWORTH	LAKE AND PENINSULA	COOK INLET REGION INC.
PORT ARMSTRONG	SITKA BOROUGH	SEALASKA CORP.
PORT ASHTON	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
PORT BAILEY	KODIAK ISLAND BOROUGH	KONIAG INC.
PORT CHILKOOT	HAINES BOROUGH	SEALASKA CORP.
PORT CLARENCE	NOME	BERING STRAITS CORP.
PORT GRAHAM	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
PORT HEIDEN	LAKE AND PENINSULA	BRISTOL BAY CORP.
PORT LIONS	KODIAK ISLAND BOROUGH	KONIAG INC.
PORT MOLLER	ALEUTIANS EAST	ALEUT CORP.
PORT PROTECTION	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
PORT WAKEFIELD	KODIAK ISLAND BOROUGH	KONIAG INC.
PORTAGE	ANCHORAGE BOROUGH	COOK INLET REGION INC.
PORTAGE CREEK	DILLINGHAM	BRISTOL BAY CORP.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
PORTLOCK	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
PRINCE OF WALES LOG CP	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
PRIMROSE	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
PRUDHOE BAY	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
QUINHAGAK	BETHEL	CALISTA CORP.
RAMPART	YUKON/KOYUKUK	DOYON LTD.
RED DEVIL	BETHEL	CALISTA CORP.
RED MOUNTAIN	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
RICHARDSON HWY 1	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
RICHARDSON HWY 2	VALDEZ/CORDOVA	AHTNA INC.
RICHARDSON HWY 3	SOUTHEAST FAIRBANKS	DOYON LTD.
RICHARDSON HWY 4	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
RIDGEWAY	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
ROWAN BAY	WRANGELL/PETERSBURG	SEALASKA CORP.
RUBY	YUKON/KOYUKUK	DOYON LTD.
RUSS MISS KUSK RV	BETHEL	CALISTA CORP.
RUSSIAN MISSION	WADE HAMPTON	CALISTA CORP.
SALAMATOF	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
SALCHA	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
SALCHAKET	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
SANAK	ALEUTIANS EAST	ALEUT CORP.
SAND POINT	ALEUTIANS EAST	ALEUT CORP.
SAVOONGA	NOME	BERING STRAITS CORP.
SAXMAN	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
SAXMAN EAST	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
SCAMMON BAY	WADE HAMPTON	CALISTA CORP.
SCOTTY CREEK	SOUTHEAST FAIRBANKS	DOYON LTD.
SELAWIK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
SELDOVIA	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
SEVONOSKI	BRISTOL BAY BOROUGH	ARCTIC SLOPE REGIONAL CORP.
SEWARD	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
SHAGELUK	YUKON/KOYUKUK	DOYON LTD.
SHAKTOOLIK	NOME	BERING STRAITS CORP.
SHEMYA AFB	ALEUTIANS WEST	ALEUT CORP.
SHISHMAREF	NOME	BERING STRAITS CORP.
SHUNGNAK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
SILVER TIP	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
SITKA	SITKA BOROUGH	SEALASKA CORP.
SITKA LOGGING CAMP	SITKA BOROUGH	SEALASKA CORP.
SKAGWAY	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
SKWENTNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
SLANA	VALDEZ/CORDOVA	AHTNA INC.
SLATERVILLE	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
SLEETMUTE	BETHEL	CALISTA CORP.
SNETTISHAM	JUNEAU BOROUGH	SEALASKA CORP.
SOLDOTNA	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
SOLOMON	NOME	BERING STRAITS CORP.
SOURDOUGH	VALDEZ/CORDOVA	AHTNA INC.
SOUTH NAKNEK	BRISTOL BAY BOROUGH	BRISTOL BAY CORP.
SPARREVOHN	BETHEL	CALISTA CORP.
SPENARD	ANCHORAGE BOROUGH	COOK INLET REGION INC.
SQUAW HARBOR	ALEUTIANS EAST	ALEUT CORP.
ST. GEORGE ISLAND	ALEUTIANS WEST	ALEUT CORP.
ST. JOHN HARBOR	WRANGELL/PETERSBURG	SEALASKA CORP.
ST. LAWRENCE IS.	NOME	BERING STRAITS CORP.
ST. MARY'S	WADE HAMPTON	CALISTA CORP.
ST. MICHAEL	NOME	BERING STRAITS CORP.
ST. PAUL ISLAND	ALEUTIANS WEST	ALEUT CORP.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
STEBBINS	NOME	BERING STRAITS CORP.
STEESE HWY 1	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
STEESE HWY 2	YUKON/KOYUKUK	DOYON LTD.
STERLING	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
STEVENS VILLAGE	YUKON/KOYUKUK	DOYON LTD.
STONY RIVER	BETHEL	CALISTA CORP.
SUMMIT	MATANUSKA-SUSITNA BOROUGH	AHTNA INC.
SUNRISE VILLAGE	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
SUNSHINE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
SUNTRANA	DENALI BOROUGH	DOYON LTD.
SUSITNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
SUTTON	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
TAKOTNA	YUKON/KOYUKUK	DOYON LTD.
TAKU HARBOR	JUNEAU BOROUGH	SEALASKA CORP.
TALKEETNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
TANACROSS	SOUTHEAST FAIRBANKS	DOYON LTD.
TANANA	YUKON/KOYUKUK	DOYON LTD.
TANUNAK	BETHEL	CALISTA CORP.
TATALINA AFS	YUKON/KOYUKUK	DOYON LTD.
TATITLEK	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
TAYLOR HWY	SOUTHEAST FAIRBANKS	DOYON LTD.
TAZLINA	VALDEZ/CORDOVA	AHTNA INC.
TEE HARBOR	JUNEAU BOROUGH	SEALASKA CORP.
TELIDA	YUKON/KOYUKUK	DOYON LTD.
TELLER	NOME	BERING STRAITS CORP.
TELLER MISSION	NOME	BERING STRAITS CORP.
TENAKEE SPRINGS	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
TETLIN	SOUTHEAST FAIRBANKS	DOYON LTD.
THOMAS BASIN	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
THORNE BAY	PRINCE OF WALES/OUTER KETCHIKAN	ARCTIC SLOPE REGIONAL CORP.
TIKIKLUK	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
TIN CITY AFS	NOME	BERING STRAITS CORP.
TOGIAK	DILLINGHAM	BRISTOL BAY CORP.
TOK JUNCTION	SOUTHEAST FAIRBANKS	DOYON LTD.
TOKEEN	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
TOKSOOK BAY	BETHEL	CALISTA CORP.
TONSINA	VALDEZ/CORDOVA	AHTNA INC.
TRAPPER CREEK	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
TULUKSAK	BETHEL	CALISTA CORP.
TUNTUTULIAK	BETHEL	CALISTA CORP.
TUSTUMENA	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
TUXEKAN	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
TWELVE MILE ARM	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
TWIN HILLS	DILLINGHAM	BRISTOL BAY CORP.
TWO RIVERS	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
TYONEK	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
UGANIK BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
UGASHIK	LAKE AND PENINSULA	BRISTOL BAY CORP.
UKIVOK	NOME	BERING STRAITS CORP.
UMIAT	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
UMKUMUTE	BETHEL	CALISTA CORP.
UNALAKLEET	NOME	BERING STRAITS CORP.
UNALASKA	ALEUTIANS WEST	ALEUT CORP.
UNGA	ALEUTIANS EAST	ALEUT CORP.
UPPER KALSKAG	BETHEL	CALISTA CORP.
USIBELLI	DENALI BOROUGH	DOYON LTD.
UYAK	KODIAK ISLAND BOROUGH	KONIAG INC.
VALDEZ	VALDEZ/CORDOVA	CHUGACH NATIVES INC.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
VENETIE	YUKON/KOYUKUK	DOYON LTD.
WACKER	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
WAINWRIGHT	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
WALES	NOME	BERING STRAITS CORP.
WARD COVE	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
WASILLA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
WATERFALL	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
WEST POINT	KODIAK ISLAND BOROUGH	KONIAG INC.
WEVOK	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
WEVOK	NORTH SLOPE BOROUGH	ARCTIC SLOPE REGIONAL CORP.
WHALE PASS	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
WHITE MOUNTAIN	NOME	BERING STRAITS CORP.
WHITESTONE LOGGING	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
WHITTIER	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
WILDWOOD AFS	KENAI PENINSULA BOROUGH	COOK INLET REGION INC.
WILLOW	MATANUSKA-SUSITNA BOROUGH	COOK INLET REGION INC.
WISEMAN	YUKON/KOYUKUK	DOYON LTD.
WOMENS BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
WOODY ISLAND	KODIAK ISLAND BOROUGH	KONIAG INC.
WRANGELL	WRANGELL/PETERSBURG	SEALASKA CORP.
YAKATAGA	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
YAKUTAT	YAKUTAT	SEALASKA CORP.
YUKON RIVER BRIDGE	YUKON/KOYUKUK	DOYON LTD.
YUKON RIVER 1	WADE HAMPTON	CALISTA CORP.
YUKON RIVER 2	YUKON/KOYUKUK	DOYON LTD.
YUKON RIVER 3	YUKON/KOYUKUK	DOYON LTD.
YUKON RIVER 4	YUKON/KOYUKUK	DOYON LTD.
YUKON RIVER 5	SOUTHEAST FAIRBANKS	DOYON LTD.
ZACHER BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
ZAREMBO ISLAND	WRANGELL/PETERSBURG	SEALASKA CORP.

APPENDIX H: POPULATION OVERVIEW

ALASKA'S POPULATION

Population estimates used in this report are provided by the Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit.

Table H.1 Estimated Population of Alaska by Age, Sex, and Race: Alaska, 2008

Age Group	All Races			White			Native		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
00-04	56,237	29,142	27,095	35,818	18,731	17,087	13,744	7,064	6,680
05-09	54,175	28,192	25,983	36,340	19,216	17,124	11,653	6,105	5,548
10-14	52,666	26,725	25,941	35,687	18,256	17,431	11,064	5,826	5,238
15=19	55,013	28,234	26,779	36,923	19,033	17,890	12,534	6,494	6,040
20-24	45,446	22,648	22,798	28,698	13,811	14,887	11,014	5,808	5,206
25-29	43,892	22,502	21,390	29,429	14,849	14,580	8,541	4,444	4,097
30-34	45,740	23,467	22,273	34,437	17,822	16,615	6,744	3,291	3,453
35-39	47,401	24,199	23,202	36,219	18,549	17,670	7,000	3,534	3,466
40-44	48,018	24,432	23,586	35,646	18,054	17,592	8,030	4,120	3,910
45-49	53,974	27,482	26,492	41,628	21,459	20,169	7,873	3,827	4,046
50-54	53,265	27,211	26,054	42,206	21,946	20,260	6,895	3,479	3,416
55-59	44,043	22,967	21,076	34,986	18,682	16,304	5,479	2,683	2,796
60-64	30,395	15,938	14,457	24,084	13,039	11,045	3,811	1,792	2,019
65-69	19,077	9,895	9,182	14,985	7,970	7,015	2,610	1,282	1,328
70-74	11,942	5,961	5,981	8,855	4,577	4,278	1,991	919	1,072
75-79	8,331	3,856	4,475	6,092	2,908	3,184	1,452	625	827
80-84	5,464	2,319	3,145	4,122	1,809	2,313	796	326	470
85+	4,641	1,816	2,825	3,412	1,379	2,033	698	268	430
Total	679,720	346,986	332,734	489,567	252,090	237,477	121,929	61,887	60,042

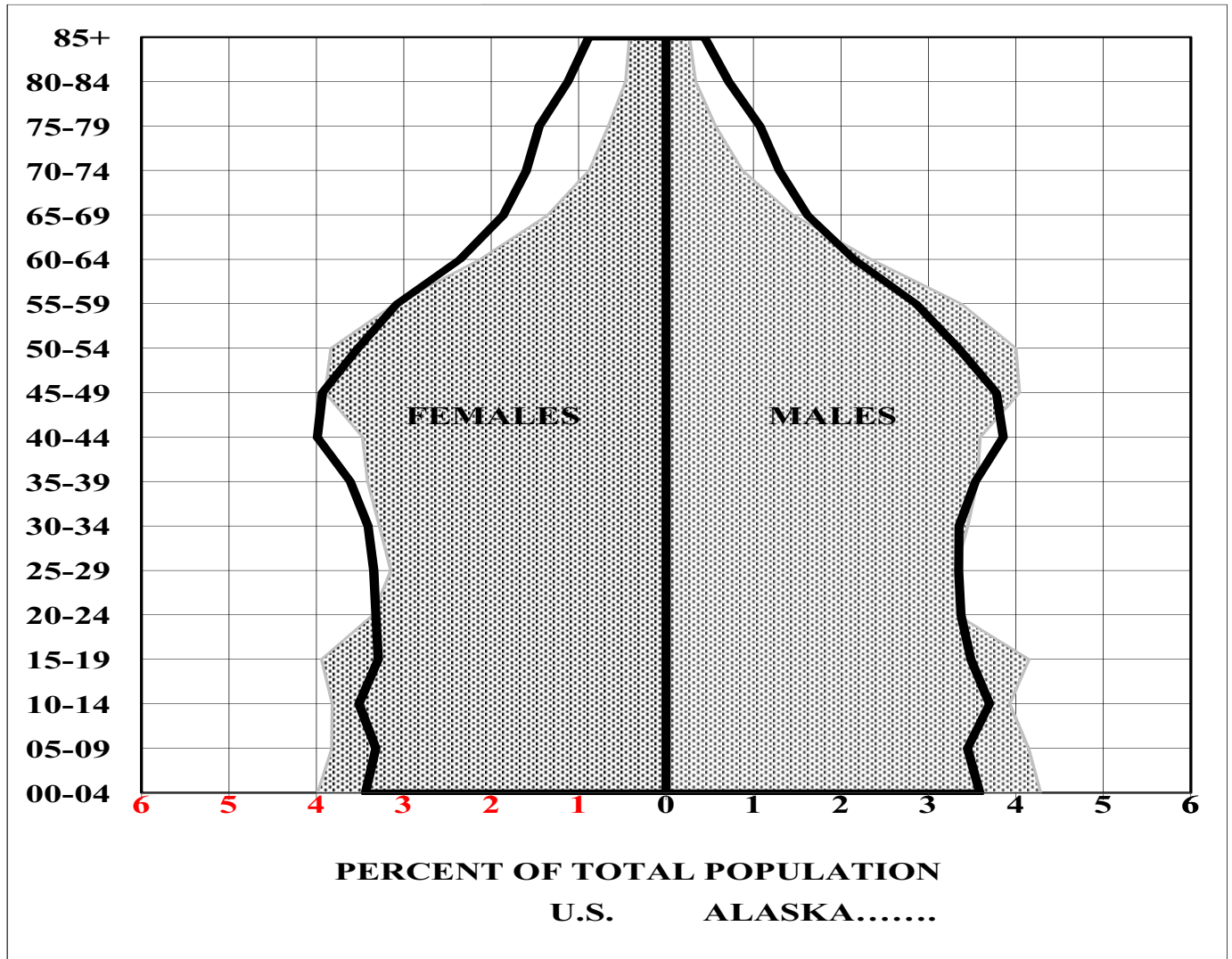
Table H.2 Estimated Population of Alaska by Age, Sex, and Race: Alaska, 2007

Age Group	All Races			White			Native		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
00-04	55,120	28,520	26,600	34,980	18,313	16,667	13,639	6,996	6,643
05-09	53,317	27,573	25,744	35,482	18,607	16,875	11,627	6,120	5,507
10-14	53,193	27,017	26,176	35,938	18,370	17,568	11,330	5,936	5,394
15=19	55,407	28,477	26,930	37,147	19,199	17,948	12,703	6,540	6,163
20-24	45,655	22,900	22,755	28,866	13,993	14,873	10,960	5,813	5,147
25-29	42,812	22,175	20,637	28,974	14,915	14,059	8,079	4,122	3,957
30-34	45,449	23,285	22,164	34,172	17,666	16,506	6,828	3,375	3,453
35-39	47,531	24,236	23,295	36,105	18,448	17,657	7,164	3,646	3,518
40-44	50,324	25,739	24,585	37,406	19,127	18,279	8,426	4,275	4,151
45-49	54,933	28,017	26,916	42,618	22,077	20,541	7,847	3,805	4,042
50-54	52,948	27,172	25,776	42,132	22,005	20,127	6,696	3,361	3,335
55-59	42,217	22,187	20,030	33,594	18,113	15,481	5,226	2,567	2,659
60-64	28,638	15,054	13,584	22,693	12,307	10,386	3,605	1,703	1,902
65-69	17,594	9,160	8,434	13,690	7,315	6,375	2,548	1,245	1,303
70-74	11,432	5,615	5,817	8,411	4,282	4,129	1,971	896	1,075
75-79	8,203	3,859	4,344	6,046	2,939	3,107	1,396	610	786
80-84	5,347	2,234	3,113	4,059	1,733	2,326	780	332	448
85+	4,390	1,665	2,725	3,251	1,268	1,983	658	242	416
Total	674,510	344,885	329,625	485,564	250,677	234,887	121,483	61,584	59,899

Table H.3 Estimated Population of Alaska by Age, Sex, and Race: Alaska, 2006

Age Group	All Races			White			Native		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
00-04	54,149	28,037	26,112	34,653	18,169	16,484	13,182	6,717	6,465
05-09	52,320	27,054	25,266	34,631	18,072	16,559	11,427	6,091	5,336
10-14	54,429	27,662	26,767	36,754	18,803	17,951	11,726	6,081	5,645
15=19	55,330	28,430	26,900	37,193	19,203	17,990	12,533	6,443	6,090
20-24	45,127	22,848	22,279	28,799	14,180	14,619	10,580	5,626	4,954
25-29	42,674	22,203	20,471	29,465	15,308	14,157	7,619	3,844	3,775
30-34	45,190	23,209	21,981	33,884	17,607	16,277	6,832	3,372	3,460
35-39	47,862	24,376	23,486	36,191	18,494	17,697	7,298	3,696	3,602
40-44	52,621	26,874	25,747	39,397	20,142	19,255	8,498	4,271	4,227
45-49	55,749	28,559	27,190	43,466	22,655	20,811	7,773	3,791	3,982
50-54	52,127	26,847	25,280	41,641	21,832	19,809	6,453	3,226	3,227
55-59	41,150	21,842	19,308	32,965	17,974	14,991	4,946	2,416	2,530
60-64	25,988	13,658	12,330	20,520	11,148	9,372	3,390	1,600	1,790
65-69	16,419	8,548	7,871	12,584	6,710	5,874	2,502	1,239	1,263
70-74	11,011	5,399	5,612	8,128	4,135	3,993	1,906	850	1,056
75-79	8,217	3,866	4,351	6,088	2,962	3,126	1,386	611	775
80-84	5,245	2,210	3,035	3,985	1,706	2,279	775	335	440
85+	4,108	1,521	2,587	3,076	1,165	1,911	616	218	398
Total	669,716	343,143	326,573	483,420	250,265	233,155	119,442	60,427	59,015

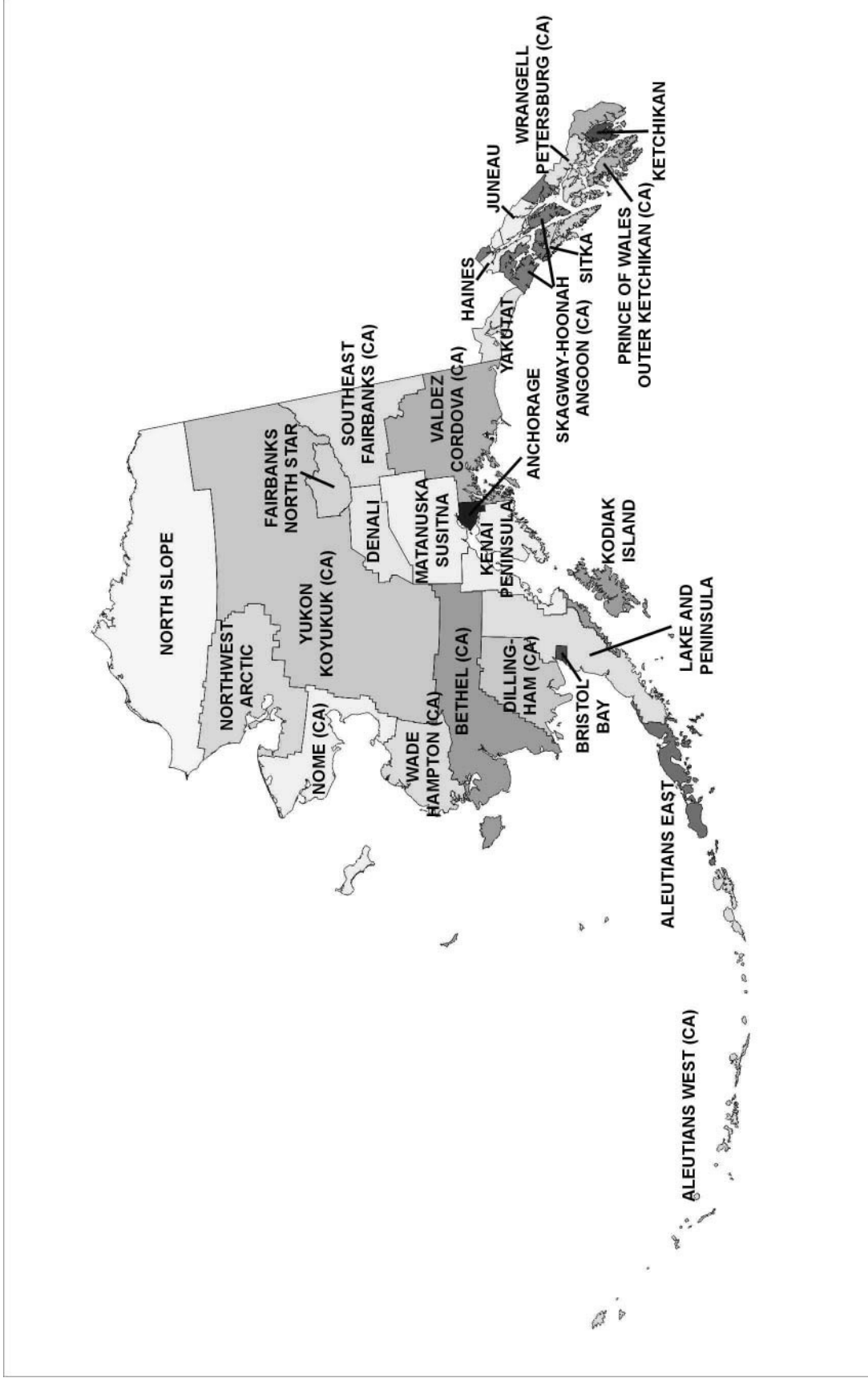
FIGURE H.1 POPULATION DISTRIBUTION BY AGE GROUP AND SEX: ALASKA¹ AND THE U.S.², 2008



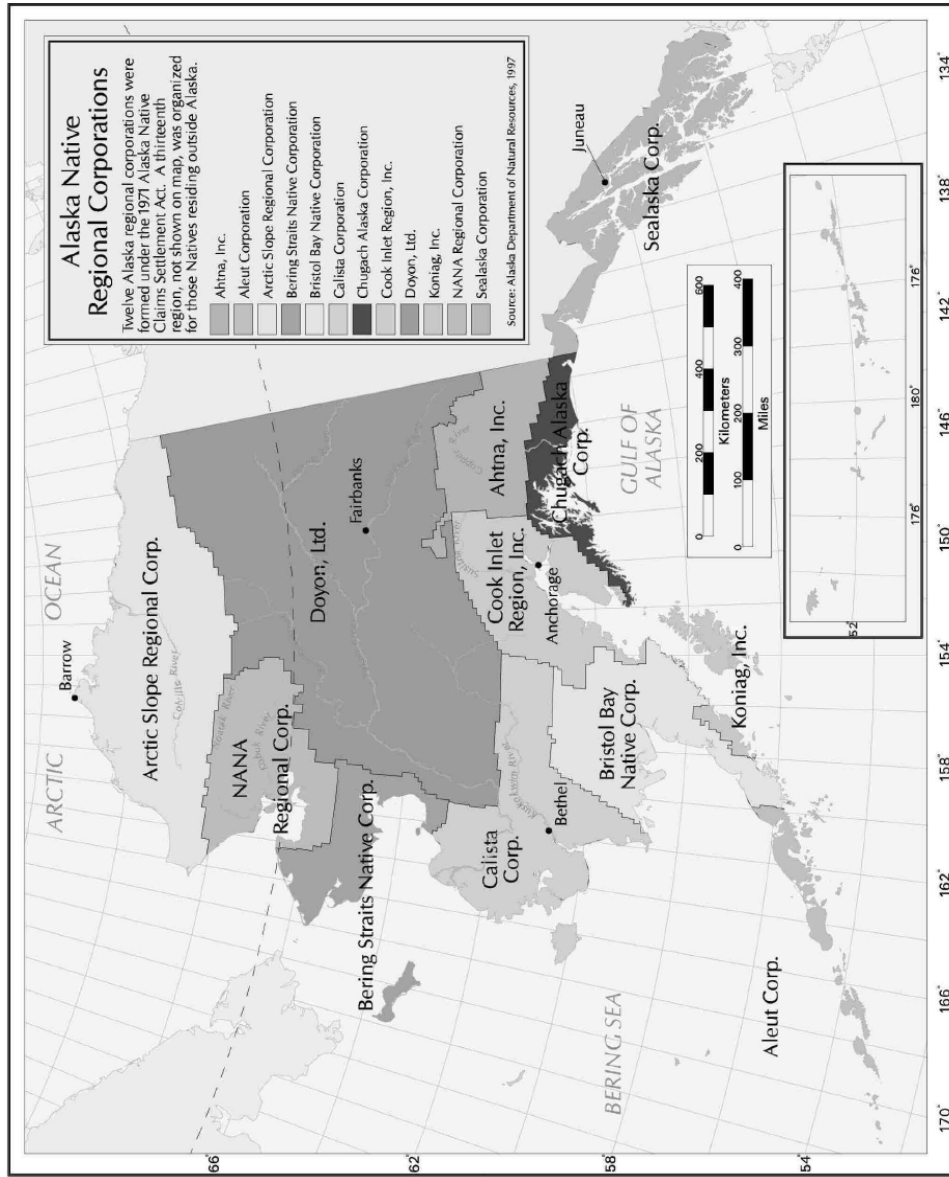
¹Alaska 2008 population estimates provided by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

²United States Department of Health and Human Services (US DHHS), Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), Bridge-Race Population Estimates, July 1st resident population by state, county, age, sex, bridged-race, and Hispanic origin, on CDC Wonder On-line Database. Vintage 2008: years 200-2008, November 2009 online database, based on the September 2, 2009 data release.

APPENDIX I: MAPS



Borough and Census Area (CA) Map of Alaska



Native Regional Corporation Map of Alaska