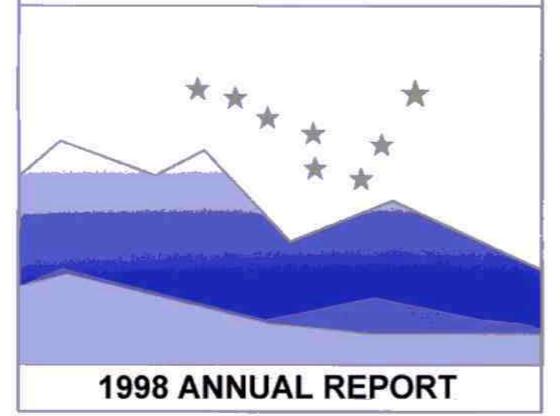
ALASKA BUREAU OF VITAL STATISTICS



TONY KNOWLES Governor STATE OF ALASKA



KAREN PERDUE Commissioner

DEPT. OF HEALTH & SOCIAL SERVICES

TABLE OF CONTENTS

PURPO HOW T HOW T	COSE OF THIS REPORT	1 1 2
	IONAL INFORMATION	
	SUMMARY	
ABOUT HOW V POPUL HOW O HOW T	ION T ALASKA /ITAL STATISTICS ARE COLLECTED _ATION ESTIMATES CERTIFICATES ARE PROCESSED THIS REPORT WAS PREPARED RMINATION OF RACE	5 5 6 7 7
INTRO BIRTHS BIRTHS MOTHI AGES PRENA BIRTHS GESTA BIRTH LOW B	DUCTION S BY RESIDENCE AND OCCURRENCE S BY AGE AND RACE ER'S MARITAL STATUS OF MOTHERS AND FATHERS ATAL CARE S BY FACILITY, METHOD, AND ATTENDANT ATION WEIGHT SIRTH WEIGHT PERCENTAGES R DEMOGRAPHIC COMPARISONS	9 11 17 27 31 32 34 40 41
FETAL	ANT DEATHS	53
CHILDHOOD	DEATHS	63
ADOPTION .		67
MARRI	AND DIVORCE	75
CRUDE DEATH DEATH AGE-A	E DEATH RATES. IS BY RACE AND SEX. IS BY AGE DJUSTED DEATH RATES. CTATION OF LIFE	82 83 86 89

Page ii 1998 Annual Report

LIST OF TABLES

TABLE 1.1A	BIRTH OCCURRENCES, RESIDENT BIRTHS, ESTIMATED POPULATIONS, RESIDENT CRUDE BIRTH RATES, FEMALE POPULATION AGES 15-44, AND FERTILITY RATES BY CENSUS AREA, ALASKA, 1998	12
TABLE 1.1B	BIRTH OCCURRENCES AND RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION AREA, ALASKA, 1998	13
TABLE 1.2A	BIRTHS BY CENSUS AREA OF MOTHER'S RESIDENCE AND BY CENSUS AREA OF OCCURRENCE, ALASKA, 1998	15
TABLE 1.2B	BIRTHS BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE AND BY NATIVE REGIONAL CORPORATION OF OCCURRENCE, ALASKA, 1998 (ALASKA RESIDENTS ONLY)	17
TABLE 1.3A	RESIDENT BIRTHS AND PERCENTAGE BY AGE OF MOTHER, ALASKA, 1980, 1990, and 1998	17
TABLE 1.3B	RESIDENT BIRTHS AND PERCENTAGE BY AGE AND RACE FOR ALL MOTHERS AND FIRST-TIME MOTHERS, ALASKA, 1998	19
TABLE 1.3C	COMPARISON OF AGE-SPECIFIC BIRTH RATES BY THE MOTHER'S RACE, ALASKA AND THE UNITED STATES, 1993, 1997, 1998	20
TABLE 1.3D	RACE-SPECIFIC BIRTH RATES, FERTILITY RATES, AND TEEN BIRTH RATES, ALASKA, 1998	21
TABLE 1.4	PERCENTAGE OF RESIDENT BIRTHS BY AGE AND RACE OF MOTHER AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1998	23
TABLE 1.5A	RESIDENT BIRTHS TO TEENAGE MOTHERS BY CENSUS AREA OF RESIDENCE, AGE AND MARITAL STATUS, ALASKA, 1998	24
TABLE 1.5B	RESIDENT BIRTHS TO TEENAGE MOTHERS BY NATIVE REGIONAL CORPORATION OF RESIDENCE, AGE AND MARITAL STATUS, ALASKA, 1998	24
TABLE 1.6A	RESIDENT BIRTHS BY MOTHER'S CENSUS AREA OF RESIDENCE, RACE, AND SEX OF CHILD, ALASKA, 1998	25
TABLE 1.6B	RESIDENT BIRTHS BY MOTHER'S NATIVE REGIONAL CORPORATION OF RESIDENCE, RACE, AND SEX OF CHILD, ALASKA, 1998	25
TABLE 1.7A	RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND CENSUS AREA OF RESIDENCE, ALASKA, 1998	26
TABLE 1.7B	RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND NATIVE REGIONAL CORPORATION OF RESIDENCE, ALASKA, 1998	26
TABLE 1.7C	RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND RACE, ALASKA, 1998	27
TABLE 1.8	RESIDENT BIRTHS BY MOTHER'S AGE AND NUMBER OF LIVING CHILDREN, ALASKA, 1998	27
TABLE 1.9A	RESIDENT BIRTHS BY THE MOTHER'S CENSUS AREA OF RESIDENCE, MARITAL STATUS, AND EDUCATION, ALASKA, 1998	30
TABLE 1.9B	RESIDENT BIRTHS BY THE MOTHER'S NATIVE REGIONAL CORPORATION OF RESIDENCE, MARITAL STATUS, AND EDUCATION, ALASKA, 1998	30

1998 Annual Report Page iii

TABLE 1.10	RESIDENT BIRTHS BY THE MOTHER'S RACE, MARITAL STATUS, AND EDUCATION, ALASKA, 1998	31
TABLE 1.11	RESIDENT BIRTHS BY THE MOTHER'S AGE, MARITAL STATUS, AND EDUCATION, ALASKA, 1998	31
TABLE 1.12	RESIDENT BIRTHS TO MARRIED MOTHERS BY THE MOTHER'S AGE AND FATHER'S AGE, ALASKA, 1998	32
TABLE 1.13	PRENATAL CARE BY MOTHER'S MARITAL STATUS, ALASKA, 1998	32
TABLE 1.14A	PRENATAL CARE BY CENSUS AREA OF MOTHER'S RESIDENCE, ALASKA, 1998	33
TABLE 1.14B	PRENATAL CARE BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE, ALASKA, 1998	33
TABLE 1.15A	PRENATAL CARE BY RACE OF MOTHER, ALASKA, 1998	34
TABLE 1.15B	PRENATAL CARE BY AGE OF MOTHER, ALASKA, 1998	34
TABLE 1.16A	RESIDENT BIRTHS BY BIRTH METHOD AND FACILITY, ALASKA, 1998	35
TABLE 1.16B	RESIDENT BIRTHS BY BIRTH ATTENDANT AND FACILITY, ALASKA, 1998	36
TABLE 1.17A	RESIDENT BIRTHS BY CENSUS AREA OF OCCURRENCE AND BIRTH FACILITY, ALASKA, 1998	37
TABLE 1.17B	RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF OCCURRENCE AND BIRTH FACILITY, ALASKA, 1998	37
TABLE 1.18	RESIDENT BIRTHS BY MOTHER'S RACE AND BIRTH FACILITY, ALASKA, 1998	38
TABLE 1.19	RESIDENT BIRTHS BY MOTHER'S EDUCATION AND BIRTH FACILITY, ALASKA, 1998	38
TABLE 1.20A	RESIDENT BIRTHS BY CENSUS AREA OF OCCURRENCE AND BY BIRTH ATTENDANT TYPE, ALASKA, 1998	39
TABLE 1.20B	RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF OCCURRENCE AND BY BIRTH ATTENDANT TYPE, ALASKA, 1998	39
TABLE 1.21	RESIDENT BIRTHS BY RACE OF MOTHER AND BY BIRTH ATTENDANT TYPE, ALASKA, 1998	40
TABLE 1.22A	PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES FOR SINGLE BIRTHS BY MOTHER'S CENSUS AREA, ALASKA, 1994-1998	40
TABLE 1.22B	PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES FOR SINGLE BIRTHS BY MOTHER'S NATIVE REGIONAL CORPORATION, ALASKA, 1994-1998	41
TABLE 1.22C	PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES FOR SINGLE BIRTHS BY MOTHER'S RACE, ALASKA, 1994-1998	41
TABLE 1.22D	PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES FOR SINGLE BIRTHS BY MOTHER'S AGE, ALASKA, 1994-1998	41
TABLE 1.23A	RESIDENT BIRTHS BY CENSUS AREA OF MOTHER'S RESIDENCE AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1998	42
TABLE 1.23B	RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1998	43

Page iv 1998 Annual Report

TABLE 1.23C	RESIDENT BIRTHS BY RACE OF MOTHER AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1998	43
TABLE 1.24A	BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S CENSUS AREA, ALASKA, 1994-1998	44
TABLE 1.24B	BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S NATIVE REGIONAL CORPORATION, ALASKA, 1994-1998	45
TABLE 1.24C	BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S RACE, ALASKA, 1994-1998	45
TABLE 1.24D	BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S AGE, ALASKA, 1994-1998	45
TABLE 2.1A	FETAL DEATHS BY CENSUS AREA OF MOTHER'S RESIDENCE, ALASKA, 1998	53
TABLE 2.1B	FETAL DEATHS BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE, ALASKA, 1998	54
TABLE 2.1C	FETAL DEATHS AND FETAL DEATH RATE BY MOTHER'S RACE, ALASKA, 1994-1998	54
TABLE 2.2	FETAL DEATHS BY AGE AND RACE OF MOTHER, ALASKA, 1998	54
TABLE 2.3	FETAL DEATHS BY LENGTH OF GESTATION AND WEIGHT, ALASKA, 1998	54
TABLE 2.4A	INFANT DEATHS BY CENSUS AREA OF DECEDENT'S RESIDENCE AND AGE, ALASKA, 1998 (DEATH COHORT METHOD)	58
TABLE 2.4B	INFANT DEATHS BY NATIVE REGIONAL CORPORATION OF DECEDENT'S RESIDENCE AND AGE, ALASKA, 1998 (DEATH COHORT METHOD)	58
TABLE 2.4C	INFANT DEATHS BY RACE, SEX, AND AGE OF DECEDENT, ALASKA, 1998 (DEATH COHORT METHOD)	59
TABLE 2.5A	INFANT DEATHS BY CENSUS AREA OF DECEDENT'S RESIDENCE AND AGE, ALASKA, BIRTH YEAR 1997 (BIRTH COHORT METHOD)	59
TABLE 2.5B	INFANT DEATHS BY NATIVE REGIONAL CORPORATION OF DECEDENT'S RESIDENCE AND AGE, ALASKA, BIRTH YEAR 1997 (BIRTH COHORT METHOD)	59
TABLE 2.5C	INFANT DEATHS BY RACE, SEX, AND AGE OF DECEDENT, ALASKA, BIRTH YEAR 1997 (BIRTH COHORT METHOD)	60
TABLE 2.6A	BIRTHS AND INFANT DEATHS (DEATH COHORT METHOD) BY DEATH YEAR AND FIVE-YEAR MOVING AVERAGE INFANT MORTALITY RATES BY RACE, ALASKA, 1994-1998	60
TABLE 2.6B	INFANT DEATHS (DEATH COHORT METHOD) BY DEATH YEAR, BIRTH WEIGHT, AND AGE AT DEATH (NEONATAL OR POST-NEONATAL), AND INFANTS SURVIVING FIRST YEAR OF LIFE BY BIRTH YEAR AND BIRTH WEIGHT, 1989-1998	61
TABLE 2.7	INFANT DEATHS BY SELECTED CAUSES OF DEATH AND AGE, ALASKA, 1998 (DEATH COHORT METHOD)	62
TABLE 2.8	INFANT DEATHS BY SELECTED CAUSES OF DEATH AND RACE, ALASKA, 1998 (DEATH COHORT METHOD)	62
TABLE 3.1A	CHILDHOOD DEATHS BY CENSUS AREA OF RESIDENCE, ALASKA,	63

TABLE 3.1B	CHILDHOOD DEATHS BY NATIVE REGIONAL CORPORATION OF RESIDENCE, ALASKA, 1998	64
TABLE 3.2A	CHILDHOOD DEATHS BY CENSUS AREA WHERE INJURY OR DEATH OCCURRED, ALASKA, 1998	64
TABLE 3.2B	CHILDHOOD DEATHS BY NATIVE REGIONAL CORPORATION WHERE INJURY OR DEATH OCCURRED, ALASKA, 1998	65
TABLE 3.2C	CHILDHOOD DEATHS BY CENSUS AREA WHERE INJURY OR DEATH OCCURRED AND MANNER OF DEATH, ALASKA, 1998	65
TABLE 3.3	CHILDHOOD DEATHS BY AGE, RACE, AND SEX, ALASKA, 1998	66
TABLE 3.4A	CHILDHOOD DEATHS BY MANNER OF DEATH AND AGE, ALASKA, 1998	66
TABLE 3.4B	CHILDHOOD DEATHS BY SELECTED CAUSE AND AGE, ALASKA, 1998	66
TABLE 4.1	ADOPTIONS BY TYPE, ALASKA, 1994-1998	67
TABLE 4.2A	ADOPTIONS BY CENSUS AREA WHERE DECREE WAS GRANTED AND BY AGE OF ADOPTEE, ALASKA, 1998	68
TABLE 4.2B	ADOPTIONS BY NATIVE REGIONAL CORPORATION WHERE DECREE WAS GRANTED AND BY AGE OF ADOPTEE, ALASKA, 1998	69
TABLE 4.2C	ADOPTIONS BY CENSUS AREA WHERE DECREE WAS GRANTED AND BY RACE OF ADOPTEE, ALASKA, 1998	69
TABLE 4.2D	ADOPTIONS BY NATIVE REGIONAL CORPORATION WHERE DECREE WAS GRANTED, AND BY RACE OF ADOPTEE, ALASKA, 1998	70
TABLE 4.3A	ADOPTIONS BY RACES OF PARENTS (WHEN ADOPTIVE PARENT IS MARRIED TO NATURAL PARENT) AND BY CHILD'S PLACE OF BIRTH, ALASKA, 1998	71
TABLE 5.1A	MARRIAGES AND CRUDE MARRIAGE RATES BY CENSUS AREA OF OCCURRENCE, ALASKA, 1998	76
TABLE 5.1B	MARRIAGES BY NATIVE REGIONAL CORPORATION OF OCCURRENCE, GROOM'S RESIDENCE, AND BRIDE'S RESIDENCE, ALASKA, 1998	77
TABLE 5.2	MARRIAGES BY CENSUS AREA OF BRIDE'S RESIDENCE, AND BY CENSUS AREA OF GROOM'S RESIDENCE, ALASKA, 1998	77
TABLE 5.2	CONTINUED	78
TABLE 5.3	MARRIAGES BY AGE OF GROOM AND AGE OF BRIDE, ALASKA, 1998	78
TABLE 5.4A	DIVORCES, DISSOLUTIONS AND ANNULMENTS BY JUDICIAL DISTRICT, ALASKA, 1998	79
TABLE 5.4B	DIVORCES BY NUMBER OF MARRIAGES FOR WIFE AND HUSBAND, ALASKA, 1998	79
TABLE 5.5	DIVORCES AND DIVORCE RATES FOR WOMEN AND MEN BY CENSUS AREA OF RESIDENCE, ALASKA, 1998	80
TABLE 5.6	DIVORCES INVOLVING CHILDREN UNDER THE AGE OF 18 YEARS BY JUDICIAL DISTRICT, ALASKA, 1998	80
TABLE 6.1A	RESIDENT DEATHS, ESTIMATED POPULATIONS, AND CRUDE DEATH RATES BY CENSUS AREA, AND PLACE OF DEATH BY CENSUS AREA, ALASKA, 1998	82
TABLE 6.1B	DEATHS BY NATIVE REGIONAL CORPORATION OF RESIDENCE AND	83

Page vi 1998 Annual Report

TABLE 6.2A	DEATHS BY THE DECEDENT'S CENSUS AREA OF RESIDENCE, RACE AND SEX, ALASKA, 1998	84
TABLE 6.2B	DEATHS BY THE DECEDENT'S NATIVE REGIONAL CORPORATION OF RESIDENCE, RACE AND SEX, ALASKA, 1998	85
TABLE 6.3A	DEATHS BY THE DECEDENT'S CENSUS AREA OF RESIDENCE AND AGE, ALASKA, 1998	86
TABLE 6.3B	DEATHS BY THE DECEDENT'S NATIVE REGIONAL CORPORATION OF RESIDENCE AND AGE, ALASKA, 1998	87
TABLE 6.4A	RACE-SPECIFIC DEATH RATES AND PERCENTAGES BY AGE GROUP, ALASKA, 1998	87
TABLE 6.4B	SEX-SPECIFIC DEATH RATES AND PERCENTAGES BY AGE GROUP, ALASKA, 1998	88
TABLE 6.5	RACE/SEX-SPECIFIC DEATH RATES AND PERCENTAGES BY AGE GROUP, ALASKA, 1998	88
TABLE 6.6	AGE-ADJUSTED DEATH RATES FOR CERTAIN POPULATIONS, ALASKA AND UNITED STATES, 1992-1998	90
TABLE 6.7A	COMPARISON OF AGE-ADJUSTED DEATH RATES FOR THE TEN LEADING CAUSES OF DEATH IN ALASKA, ALASKA AND THE UNITED STATES, 1998 (US RANKINGS IN PARENTHESES)	93
TABLE 6.7B	DEATHS, DEATH RATES AND PERCENTAGES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE U.S. AND ALASKA, 1998 (ALASKA RANK IN PARENTHESES)	94
TABLE 6.7C	RANK OF LEADING CAUSES OF DEATH IN ALASKA AND THE UNITED STATES, 1998	94
TABLE 6.7D	AGE-ADJUSTED DEATH RATES FOR THE TEN LEADING CAUSES OF DEATH IN ALASKA, 1994-1998, AND UNITED STATES, 1997-1998	97
TABLE 6.8A	ALASKA RESIDENT DEATHS, PERCENT, AND SEX-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE UNITED STATES, 1998	101
TABLE 6.8B	ALASKA RESIDENT DEATHS, PERCENT, AND RACE-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE UNITED STATES, 1998	101
TABLE 6.8C	ALASKA RESIDENT DEATHS, PERCENT, AND SEX-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN ALASKA, 1998	102
TABLE 6.8D	RESIDENT DEATHS, PERCENT, AND RACE-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN ALASKA, 1998	102
TABLE 6.9A	RESIDENT DEATHS, PERCENT, AND RACE/SEX-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE UNITED STATES, ALASKA, 1998	103
TABLE 6.9B	RESIDENT DEATHS, PERCENT, AND RACE/SEX-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN ALASKA, 1998	103

1998 Annual Report Page vii

TABLE 6.10A	RESIDENT DEATHS, PERCENT, AND AGE-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN THE UNITED STATES, ALASKA, 1998	104
TABLE 6.10A	CONTINUED	104
TABLE 6.10B	RESIDENT DEATHS, PERCENT, AND AGE-SPECIFIC DEATH RATES FOR THE FIFTEEN LEADING CAUSES OF DEATH IN ALASKA, 1998	105
TABLE 6.10B	CONTINUED	105
TABLE 6.11A	RESIDENT DEATHS BY SELECTED CAUSES OF DEATH AND BY CENSUS AREA OF DECEDENT'S RESIDENCE, NATIVES ONLY, ALASKA, 1998	106
TABLE 6.11A	CONTINUED	107
TABLE 6.11B	RESIDENT DEATHS BY SELECTED CAUSES OF DEATH AND BY CENSUS AREA OF DECEDENT'S RESIDENCE, NON-NATIVES ONLY, ALASKA, 1998	108
TABLE 6.11B	CONTINUED	109
TABLE 6.12	RESIDENT DEATHS BY DETAILED CAUSES OF DEATH AND BY CENSUS REA OF DECEDENT'S RESIDENCE, ALASKA, 1998	110
TABLE 6.12	CONTINUED	111
TABLE 6.13	RESIDENT DEATHS BY DETAILED CAUSES OF DEATH AND BY NATIVE REGIONAL CORPORATION OF DECEDENT'S RESIDENCE, ALASKA, 1998	112
TABLE 6.14	RESIDENT DEATHS BY DETAILED CAUSES OF DEATH, BY SEX AND RACE, ALASKA, 1998	113
TABLE 6.15	RESIDENT DEATHS BY DETAILED CAUSES OF DEATH AND AGE, ALASKA, 1998	114
TABLE 6.16A	EXTERNAL CAUSES OF DEATH BY CENSUS AREA AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	115
TABLE 6.16B	EXTERNAL CAUSES OF DEATH BY NATIVE REGIONAL CORPORATION OF RESIDENCE AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	116
TABLE 6.17A	EXTERNAL DEATHS BY THE CENSUS AREA WHERE DEATH OCCURRED, MANNER OF DEATH AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	117
TABLE 6.17B	EXTERNAL CAUSES OF DEATH BY NATIVE REGIONAL CORPORATION WHERE DEATH OCCURRED, MANNER OF DEATH AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	118
TABLE 6.18A	EXTERNAL CAUSES OF DEATH BY METHOD AND MANNER OF DEATH AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	119
TABLE 6.18B	EXTERNAL CAUSES OF DEATH BY METHOD AND MANNER OF DEATH AND SEX, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	120
TABLE 6.19A	EXTERNAL CAUSES OF DEATH BY MANNER OF DEATH, AGE AND RACE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	120
TABLE 6.19B	EXTERNAL CAUSES OF DEATH BY MANNER OF DEATH, AGE AND SEX, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	121

Page viii 1998 Annual Report

(continued) LIST OF TABLES

TABLE 6.20	EXTERNAL CAUSES OF DEATH BY MANNER AND METHOD OF DEATH AND AGE, RESIDENTS AND NON-RESIDENTS, ALASKA, 1998	121
TABLE A.1	STANDARD MILLION POPULATION	127
TABLE B.1	EXPECTATION OF LIFE FOR ALL ALASKANS, 1993-1997	131
TABLE C.1	ICD-9 CAUSE OF DEATH CODES FOR GENERAL MORTALITY	133
TABLE C.1	(CONTINUED)	134
TABLE C.1	(CONTINUED)	135
TABLE C.2	ICD-9 CODES FOR CHILDHOOD DEATHS (TABLES 3.2C, 3.4A, AND 3.4B) AND EXTERNAL CAUSES (TABLES 6.16A-6.20)	136
TABLE C.3	ICD-9 CAUSE OF DEATH CODES FOR INFANT MORTALITY	137
TABLE D.1	KESSNER INDEX	139
TABLE F.1	YEAR 2000 HEALTH OBJECTIVES	143
TABLE I.1	ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1998	167
TABLE I.2	ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1997	168
TABLE I.3	ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1996	168
TABLE I.4	ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1995	169
TABLE I.5	ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1994	169
TABLE I.6	ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1993	170
TABLE I.7	ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1992	170
TABLE I.8	ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1991	171

LIST OF CHARTS

CHART 1.1A	CRUDE BIRTH RATES, UNITED STATES AND ALASKA, 1980-1998	10
CHART 1.1B	FERTILITY RATES, UNITED STATES AND ALASKA, 1990-1998	11
CHART 1.2A	FERTILITY RATES WITH 95% CONFIDENCE INTERVALS BY CENSUS AREA, ALASKA, 1998	14
CHART 1.2B	TEEN BIRTH RATES WITH 95% CONFIDENCE INTERVALS BY CENSUS AREAS, ALASKA, 1996-1998	16
CHART 1.3	PERCENTAGE OF BIRTHS BY AGE OF MOTHER, ALASKA, 1980-1998	18
CHART 1.4	RACE-SPECIFIC FERTILITY RATES, ALASKA, 1994-1998	21
CHART 1.5	AGE-ADJUSTED BIRTH RATES BY RACE, ALASKA, 1994-1998	22
CHART 1.6	RACE-SPECIFIC BIRTH RATES FOR TEENS (AGES 15-19), ALASKA, 1994-1998	22
CHART 1.7A	CONTRASTS BETWEEN MARRIED AND UNMARRIED MOTHERS, 1994-1998	29
CHART 1.7B	CONTRASTS BETWEEN MARRIED AND UNMARRIED MOTHERS AGES 20 AND OLDER, 1994-1998	29
CHART 1.8	PERCENTAGE OF LOW BIRTH WEIGHT INFANTS FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998	46
CHART 1.9	PERCENTAGE OF PRETERM INFANTS FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998	47
CHART 1.10A	PERCENTAGE OF MOTHERS GAINING LESS THAN 25 POUNDS FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998	48
CHART 1.10B	PERCENTAGE OF MOTHERS RECEIVING LESS THAN ADEQUATE PRENATAL CARE FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998	49
CHART 1.10C	PERCENTAGE OF MOTHERS USING TOBACCO FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998	50
CHART 1.10D	PERCENTAGE OF MOTHERS USING ALCOHOL FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998	51
CHART 2.1	NEONATAL AND POSTNEONATAL MORTALITY RATES PER 1,000 LIVE BIRTHS, ALASKA AND THE UNITED STATES, 1989-1998 (DEATH COHORT METHOD)	56
CHART 2.2	95% CONFIDENCE INTERVALS FOR INFANT MORTALITY BY CENSUS AREA, ALASKA, 1989-1998 (DEATH COHORT)	57
CHART 6.1	PERCENT OF DEATHS BY AGE AND SEX, ALASKA AND THE UNITED STATES, 1998	89
CHART 6.2	AGE-ADJUSTED DEATH RATES, ALASKA AND THE UNITED STATES, 1990-1998	90

CHART 6.3	YEARS OF LIFE LOST IN ALASKA BY FIVE-YEAR AGE GROUPS, 3-YEAR AVERAGE VALUES, 1996-1998	92
CHART 6.4	AGE-ADJUSTED DEATH RATES WITH 95 PERCENT CONFIDENCE INTERVALS FOR ALASKA, AND RATES FOR THE UNITED STATES, BY CAUSE, 1998	93
CHART 6.5	AGE-ADJUSTED DEATH RATES WITH 95 PERCENT CONFIDENCE INTERVALS BY SEX FOR THE TEN LEADING CAUSES OF DEATH IN ALASKA, 1998	95
CHART 6.6	AGE-ADJUSTED DEATH RATES WITH 95 PERCENT CONFIDENCE INTERVALS FOR WHITES AND NATIVES FOR THE TEN LEADING CAUSES OF DEATH IN ALASKA, 1998	96
CHART 6.7	CRUDE DEATH RATES FOR EXTERNAL CAUSES OF DEATH FOR ALASKA WHITE AND NATIVE RESIDENTS BY SEX, 1992-1998	100
CHART 6.8	EXTERNAL CAUSES OF DEATH BY METHOD, ALASKA RESIDENTS AND NON-RESIDENTS, 1998	119
CHART I.1	PERCENT DISTRIBUTION OF THE POPULATION BY AGE AND SEX, ALASKA AND THE UNITED STATES, 1998	172

Page xii 1998 Annual Report

LIST OF MAPS

MAP 1.1	CRUDE BIRTH RATE BY CENSUS AREA OF THE MOTHER'S RESIDENCE, ALASKA, 1998	13
MAP H.1	CENSUS AREAS OF ALASKA	162
MAP H.2	ALASKA'S NATIVE REGIONAL CORPORATIONS	163
MAP H.3	ALASKA COURT LOCATIONS	164

1998 Annual Report Page xiii

PREFACE

PURPOSE OF THIS REPORT

The Alaska Bureau of Vital Statistics 1998 Annual Report was written by Research Unit staff of the Alaska Bureau of Vital Statistics. This document contains data on births, fetal and infant deaths, adoptions, marriages and divorces, and deaths. The purpose of this report is to provide reference material and indicators for health and vital events in Alaska. Other data sources for analyzing public health trends are also available from the Alaska Department of Health and Social Services. Please refer to Appendix J for other data sources within the department.

HOW THIS REPORT IS ORGANIZED

Table of Contents

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

Preface

This section describes the organization of this report.

Executive Summary

The executive summary includes population estimates, and numbers and rates of vital events (births, deaths, marriages, divorces and adoptions) in Alaska for the 1998 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 showing numbers of births by census area and Native regional corporation boundaries, birth characteristics of babies, and demographic and behavioral information on parents.

Fetal and Infant Deaths

This chapter includes tables showing fetal deaths by census area and Native regional corporation boundaries, mother's age and length of gestation; and deaths and mortality rates for infants up to one year of age by census areas, Native regional corporations, and causes of death.

Childhood Deaths

This chapter provides specific information on deaths to children from 1 through 17 years of age.

Adoptions

The adoption chapter provides information on census areas and Native regional corporation boundaries where adoption decrees were granted; adoptions by age, race, and birth place of children; and race of adoptive parents.

Marriages and Divorces

This chapter provides information on the number and rates of marriages and divorces by residence, and marriages by ages of brides and grooms.

Deaths

This section includes information on all deaths by census area and Native regional corporation boundaries; death rates; causes of death; and age, gender, and race of decedents.

References

This section lists the sources from which information has been used or referenced in this report.

Appendices

The appendices include definitions of terms, technical notes, classification of causes of death, prenatal care index, method of determining child's race, Year 2000 health objectives, sample certificates, maps of Alaska, population statistics, and sources for additional data.

HOW TO OBTAIN A COPY

The 1998 Annual Report of the Bureau of Vital Statistics is available at many local libraries throughout the state and on the internet at http://www.hss.state.ak.us/dph/bvs/annrpt/ar1998/annrpt.htm. We welcome any comments, questions, or concerns you may have about this report. You may contact us at:

Alaska Department of Health and Social Services
Division of Public Health
Bureau of Vital Statistics
P.O. Box 110675
Juneau, Alaska 99811-0675
Phone: (907) 465-8603

Fax: (907) 465-3618 EMail:BVSResearch@health.state.ak.us

ADDITIONAL INFORMATION

Additional information, including how to obtain copies of vital event certificates, is available on the internet at http://health.hss.state.ak.us/dph/bvs/bvs_home.htm. The Research Unit is also available for special research projects on vital statistics data by special request. For non-governmental organizations the fee for research is \$70/hour. Please contact the Research Unit at:

Phone: (907) 465-8602 Fax: (907) 465-3618 Email: BVSResearch@health.state.ak.us

ACKNOWLEDGMENTS

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 efforts to report reliable vital event information. We appreciate the assistance of others in maintaining the integrity of our data.

Page 2 1998 Annual Report

EXECUTIVE SUMMARY

SUMMARY OF POPULATION AND VITAL STATISTICS INFORMATION

Alaska's Population	
Total Population 617,082 ¹	
White 456,271 Native 103,361 ² African American 27,460 Asian and Pacific Islander 29,990 Male 321,184 Female 295,898	
Natural Increase	

Deaths	
Total Deaths 2,579	
Crude Death Rate 417.9	5
Age-Adjusted Death Rate 460.1	6
Male Age-Adjusted Death Rate 549.1	
Female Age-Adjusted Death Rate 366.8	
Age-Adjusted Cancer Death Rate 120.3	
Age-Adjusted Heart Disease Death Rate. 100.2	
Age-Adjusted Accidental Death Rate 42.0	
Age-Adjusted Suicide Death Rate 23.7	
Infant Mortality Rate 7.4	7
White Infant Mortality Rate 5.9	
Native Infant Mortality Rate 10.4	

Births
Total Births 9,920
Crude Birth Rate 16.3 4
White Birth Rate 14.5
Native Birth Rate 23.4
African American Birth Rate 14.4
Asian/Pacific Islander Birth Rate 16.1
Teen Birth Rate 48.4 8
Fertility Rate 71.6 ⁹
White Fertility Rate 65.1
Native Fertility Rate 105.3
African American Fertility Rate 60.1
Asian/Pacific Islander Fertility Rate 67.0
Low Birth Weight Percentage 5.6 10
White Low Birth Weight Percentage 5.2
Native Low Birth Weight Percentage 5.6
Afr/Am Low Birth Weight Percentage 11.4
Teenage Low Birth Weight Percentage 6.3 11

Other Vital E	vents
Fetal Deaths	40
Fetal Death Rate	4.1 7
Adoptions	777
Crude Adoption Rate	1.3 4
Marriages	5,105
Crude Marriage Rate	8.3 4
Divorces	3,329
Crude Divorce Rate	5.4 4

Notes

- 1. Alaska population data from the Alaska Department of Labor, Research and Analysis Section, Demographics Unit.
- 2. For purposes of this report, Native includes any person indigenous to the Western Hemisphere: Alaska Native, Native mixed, Aleut, Eskimo, Canadian Eskimo and Indian, and American Indian.
- 3. Natural Increase is the difference between live births and deaths. Natural Increase does not include migration.
- 4. Natural Increase, Birth, Marriage, Divorce, and Adoption Rates are events per 1,000 population.
- 5. Crude Death Rates are deaths per 100,000 population.
- 6. Age-Adjusted Death Rates are adjusted to the 1940 U.S. standard million population. (See Appendix A.)
- 7. Infant Mortality and Fetal Death Rates are 5-year averages (1994-1998) of infant deaths (death cohort) and fetal deaths per 1.000 live births.
- 8. Teen Birth Rate is the number of births to teens per 1,000 females 15-19 years of age. This does not include births to females under 15 years of age.
- 9. Fertility Rates are births per 1,000 females 15-44 years of age.
- 10. Low Birth Weight Percentages are 5-year averages per 100 live births.
- 11. Teenage Low Birth Weight Percentages include births to all mothers less than 20 years of age.

INTRODUCTION

ABOUT ALASKA

Alaska is the largest of the 50 states and contains approximately 16% of the country's land mass. 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 estimated population on July 1, 1997, was 611,300, 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 in 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.

Demographically, whites make up 74.2 percent of the total population; Natives¹, 16.7 percent, African American, 4.5 percent; and Asian and Pacific Islanders, 4.6 percent. Males comprise 52.1 percent and females, 47.9 percent of the population.²

With diverse cultures, sparse population, severe temperatures, vast coastline, and outdoor lifestyles, the state experiences many unique health care challenges. One such challenge is providing adequate medical care and health care assistance to 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 1998 Annual Report* focuses on health status indicators in Alaska. Some comparisons between Alaska health status indicators and national indicators are made. Although some similarities between Alaska and the rest of the United States exist, there are many dissimilarities. 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 mother and the delivery attendant.

Death certificates are usually completed by a funeral home staff member or a local magistrate, and then signed 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.

- 1 In this report, Native includes any people indigenous to the Western Hemisphere: Alaska Native, Native mixed, Aleut, Eskimo, Canadian Eskimo and Indian, and American Indian.
- 2 Alaska Department of Labor, Research and Analysis Section, Demographics Unit, Juneau, Alaska.

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 (AS 18.50.270). 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 (DOL), Research and Analysis Section (R&A), Demographics Unit. Estimates are made by race, age, and geographic area. The 1998 estimated Alaskan population was 617,082 persons, with 321,184 males and 295,898 females. During 1998 there were 108.5 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 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.

In Alaska during 1998, 456,271 persons were white, 103,361 were Native, 27,460 were African American, and 29,990 were Asian and Pacific Islander. Residents of the Anchorage census area comprised 41.7 percent of the state's population during 1998. About 78.9 percent of Alaska's population was concentrated in six census areas: Anchorage, Fairbanks, Juneau, Kenai, Ketchikan, 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 1999 was 32.8 years; for females it was 32.3 years; and for all Alaskans it was 32.5 years. There was a difference of more than ten years in the median age of whites (34.8) and Alaska Natives (23.2).³ The overall median age in the United States during 1998 was 35.2 years. The median age for males in the United States was 34.1 years and for females it was 36.3 years⁴. The median age for U.S. whites was 36.3 and for Native Americans it was 27.5. For an example of the disparity of the age distribution of Alaska versus that of the United States, please refer to Chart I.1 in Appendix I. For further information about interpretation of vital statistics, refer to "How to Use Vital Statistics" in Appendix B.

Page 6 1998 Annual Report

³ Ibid

⁴ Day, Jennifer Cheeseman, Population Projections of the United States by Age, Sex, Race, and Hispanic Origin: 1995 to 2050, U.S. Bureau of the Census, Current Population Reports, P25-1130, U.S. Government Printing Office, Washington, DC, February, 1996, p. 46 (Alaska State Library U.S. Government Publications, reference C3.186).

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. During 1998, almost 97% of all births occurring in Alaska were recorded by EBC.

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, information is entered into the data base by two different employees. This double-entry verification process reduces data entry errors.

Causes of death are determined by a physician or medical examiner 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 National Center for Health Statistics (NCHS), codes 75-80 percent of causes of death according to ICD-9 standards. (See Appendix C for groupings of ICD-9 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 transmitted into its data base.

HOW THIS REPORT WAS PREPARED

After documents have been entered into the Bureau's data base, research staff perform computer checks to test for missing, out-of-range, and duplicate data. Because this report is based not only on events which occur in Alaska, but also events which occur in other states to Alaska residents, there may be a significant lag time before data is received. One of the important checks made by research staff is for duplicate entries of events. Waiting for all data to arrive and eliminating duplicate entries are both important steps for ensuring the most accurate report possible. After 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. Appendix E provides more details on how the race of the child is determined.

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, a new procedure was used in this report. 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.

BIRTH



"The Embrace" copyright Rie MuZoz, Ltd.

INTRODUCTION

There were 9,920 Alaska resident live births in 1998 (5,036 boys and 4,884 girls). This is a decrease of 0.4 percent from the 9,956 births recorded in 1997. The 1998 crude birth rate of 16.1 per 1,000 population (see Table 1.1A on page 12) represents a 1.2 percent decrease from the 1997 crude birth rate of 16.3 per 1,000 population, and an 19.5 percent decrease from the 1992 crude birth rate of 20.0 per 1,000 population. The 1998 crude birth rate for the United States was 14.6 live births per 1,000 population. The U.S. rate has declined from 16.7 in 1990 to the current rate of 14.6 per 1,000 population, and the Alaska rate has declined from 21.6 in 1990 to 16.1 per 1,000 population in 1998.

- 1 Crondahl, J., Mitchell, P., Zenk, A, and Walden, S. Department of Health and Social Services, Division of Public Health, *Alaska Bureau of Vital Statistics 1997 Annual Report*, Juneau, Alaska. December 1998, p. 9.
- Zenk, A.E., Skagerberg, V.R., Withington, R.P., and Walden, S.L. Department of Health and Social Services, Division of Public Health, Alaska Bureau of Vital Statistics 1992 Annual Report, Juneau, Alaska. January 1996, p. 9. Rates have been recalculated according to population estimates shown in Appendix I.
- 3 National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1998," *National Vital Statistics Report*, Vol. 47, No. 25, October 5, 1999, p. 3.
- 4 National Center for Health Statistics, U.S. Department of Health and Human Services, "Report of Final Natality Statistics, 1996," *Monthly Vital Statistics Report*, Vol. 46, No. 11(S), June 30, 1998, Table 6, p. 35.
- Zenk, A.E., and Withington, R.P. Department of Health and Social Services, Division of Public Health, Alaska Bureau of Vital Statistics 1990 Annual Report, Juneau, Alaska, April 1993, p.16.

25.0 20.0 17.5 15.0 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 ALASKA

Births per 1,000 population

CHART 1.1A CRUDE BIRTH RATES, UNITED STATES AND ALASKA, 1980-1998

There were 114 multiple births with 111 sets of twins and 3 sets of triplets in 1998.

The most popular boy's name in 1998 was Michael and the most popular girl's name was Emily. The table below shows the ten most popular boys' and girls' names for the years 1988, 1993, and 1998.

	B	OYS' NAMES		G	IRLS' NAME	S
RANK	1988	1993	1998	1988	1993	1998
1	Michael	Michael	Michael	Jessica	Jessica	Emily
2	Christopher	Tyler	Jacob	Amanda	Ashley	Hannah
3	Joshua	Joshua	Joshua	Ashley	Sarah	Sarah
4	James	Jacob	David	Jennifer	Samantha	Megan
5	Matthew	Matthew	Joseph	Sarah	Amanda	Alyssa
6	David	David	Brandon	Elizabeth	Taylor	Ashley
7	Joseph	John	James	Stephanie	Stephanie	Samantha
8	Andrew	James	Matthew	Samantha	Hannah	Jessica
9	Kyle	Christopher	Andrew	Megan	Kelsey	Madison
10	Robert	Daniel	Daniel	Brittany	Elizabeth	Taylor

The incidence of low birth weight babies (under 2500 grams or 5 pounds 8 ounces and under) born in the five-year period from 1994 through 1998 was 5.6 percent of total live births, up from 5.4 percent from 1993 through 1997. The incidence of low birth weight has increased by 16.7% since 1987-1991 when it was 4.8 percent of live births.

During 1998, 18.4 percent of mothers reported using tobacco at some time during their pregnancies, and 3.7 percent reported using alcohol. The trend is toward use of tobacco and alcohol by fewer mothers. In 1997, 19.3 percent of all mothers reported using tobacco and 3.8 reported using alcohol. From 1994-1998, mothers under the legal age of smoking (19 years) were 1.9 times more likely to use tobacco than mothers of legal smoking age (30.8 percent of mothers under 19 compared with 18.9 percent of mothers ages 19 and over). Mothers under the legal drinking age of 21 were less likely to use alcohol during pregnancy than mothers age 21 and over (3.9 percent under 21 compared to 4.7 percent ages 21 and over).

The natural increase in population (the increase of births over deaths) was 7,341 persons, representing a natural increase rate of 11.9 persons per 1,000 population. This is a 1.7 percent decrease from the 12.1 persons per 1,000 population natural increase rate in 1997.

July had the most births with 909 or 9.2 percent of the total; February had the fewest births with 703, 7.1 percent of the total.

Page 10 1998 Annual Report

BIRTHS BY RESIDENCE AND OCCURRENCE

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

The fertility rate is a more meaningful measure than crude birth rate since it is a measure of the number of births compared to the number of women of normal child-bearing age (15-44 years). Table 1.1A shows the total births, crude birth rates, and fertility rates by census area. The 1998 fertility rate for Alaska was 71.6 births per 1,000 women of child-bearing age. This is a slight decrease from the 1997 fertility rate of 71.9; and is 9.1 percent above the 1998 United States' fertility rate of 65.6. The Alaska fertility rate peaked in 1982 at 91.9 births per 1,000 women ages 15-44. For a more detailed explanation of birth rates and fertility rates, see "Comparing Different Populations" in Appendix B.

CHART 1.1B FERTILITY RATES, UNITED STATES AND ALASKA, 1990-1998

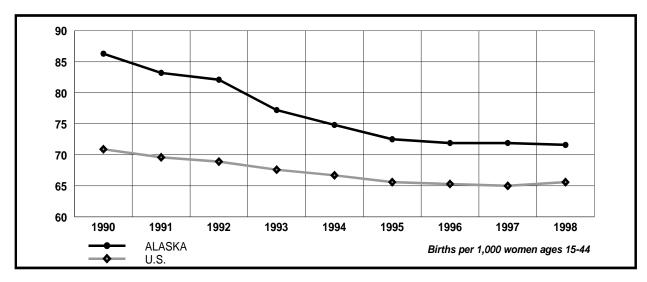


Table 1.1A provides the number of births occurring, resident births, population, birth rate, female population of child-bearing age, and fertility rate by census area in Alaska. Please note that "births occurring" indicates the census area where the child was born and includes out of state occurrences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

⁶ National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1998," National Vital Statistics Report, Vol. 47, No. 25, October 5, 1999, p. 14.

TABLE 1.1A

BIRTH OCCURRENCES, RESIDENT BIRTHS, ESTIMATED
POPULATIONS, RESIDENT CRUDE BIRTH RATES, FEMALE
POPULATION AGES 15-44, AND FERTILITY RATES BY CENSUS
AREA, ALASKA, 1998

	BIRT	HS		BIRTH	FEMALES	FERTILITY
CENSUS AREA	OCCURRING	RESIDENT	POP	RATE	15-44	RATE
ALEUTIANS EAST		17	2,145	7.9	429	39.6
ALEUTIANS WEST	1	43	5,346	8.0	1,071	40.1
ANCHORAGE BOROUGH	5,236	4,182	257,260	16.3	60,112	69.6
BETHEL	414	409	15,935	25.7	3,238	126.3
BRISTOL BAY BOROUGH		17	1,291	13.2	268	63.4
DENALI BOROUGH		19	1,868	10.2	418	45.5
DILLINGHAM	69	106	4,686	22.6	945	112.2
FAIRBANKS NORTH STAR BOROUGH	1,632	1,439	83,045	17.3	19,483	73.9
HAINES BOROUGH		21	2,461	8.5	513	40.9
JUNEAU BOROUGH	408	394	30,021	13.1	6,769	58.2
KENAI PENINSULA BOROUGH	560	653	48,532	13.5	10,429	62.6
KETCHIKAN GATEWAY BOROUGH	298	190	14,143	13.4	3,008	63.2
KODIAK ISLAND BOROUGH	239	260	13,716	19.0	2,917	89.1
LAKE AND PENINSULA		27	1,842	14.7	372	72.6
MATANUSKA-SUSITNA BOROUGH	465	707	54,153	13.1	12,235	57.8
NOME	120	207	9,341	22.2	1,887	109.7
NORTH SLOPE BOROUGH	48	146	7,268	20.1	1,511	96.6
NORTHWEST ARCTIC BOROUGH	114	181	6,817	26.6	1,336	135.5
PRINCE OF WALES-OUTER KETCHIKAN	4	94	6,830	13.8	1,384	67.9
SITKA BOROUGH	127	106	8,722	12.2	1,855	57.1
SKAGWAY-HOONAH-ANGOON	1	32	3,642	8.8	744	43.0
SOUTHEAST FAIRBANKS	2	106	6,349	16.7	1,325	80.0
VALDEZ-CORDOVA	50	133	10,274	12.9	2,203	60.4
WADE HAMPTON	11	222	7,044	31.5	1,313	169.1
WRANGELL-PETERSBURG	32	95	7,165	13.3	1,434	66.2
YAKUTAT		3	775	3.9	151	19.9
YUKON-KOYUKUK	3	111	6,411	17.3	1,208	91.9
OUTSIDE ALASKA	107					
TOTAL	9,941	9,920	617,082	16.1	138,558	71.6

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

Page 12 1998 Annual Report

MAP 1.1 CRUDE BIRTH RATE BY CENSUS AREA OF THE MOTHER'S RESIDENCE, ALASKA, 1998

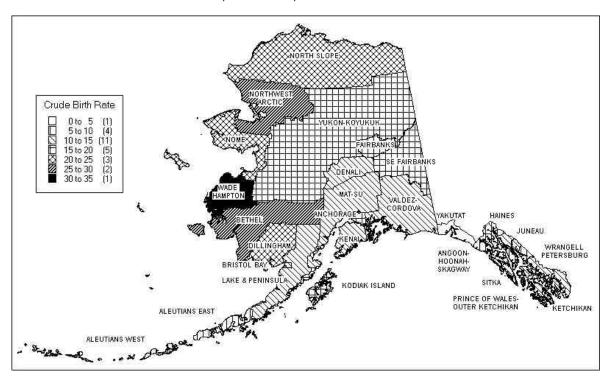


TABLE 1.1B BIRTH OCCURRENCES AND RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION AREA, ALASKA, 1998

NATIVE REGIONAL	BIRT	HS
CORPORATION	OCCURRING	RESIDENT
AHTNA INC.	3	47
ALEUT CORP.	1	60
ARCTIC SLOPE CORP.	48	146
BERING STRAITS CORP.	120	207
BRISTOL BAY CORP.	69	148
CALISTA CORP.	425	631
CHUGACH NATIVES INC.	47	187
COOK INLET REG CORP.	6,261	5,444
DOYON LTD.	1,637	1,674
KONIAG INC.	239	260
NANA REGIONAL CORP.	114	181
SEALASKA CORP.	870	935
OUTSIDE ALASKA	107	
TOTAL	9,941	9,920

CHART 1.2A FERTILITY RATES WITH 95% CONFIDENCE INTERVALS BY CENSUS AREA, ALASKA, 1998

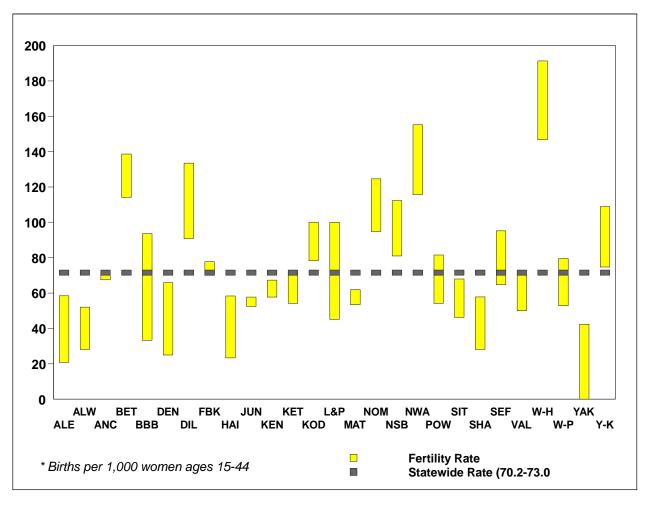


Chart 1.2A provides the 95% confidence interval ranges for fertility rates by census area. Census areas in this chart are in the same order as they are listed in Tables 1.1A and 1.2A. For a key to the abbreviations used in Chart 1.2A please refer to either of those tables.

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

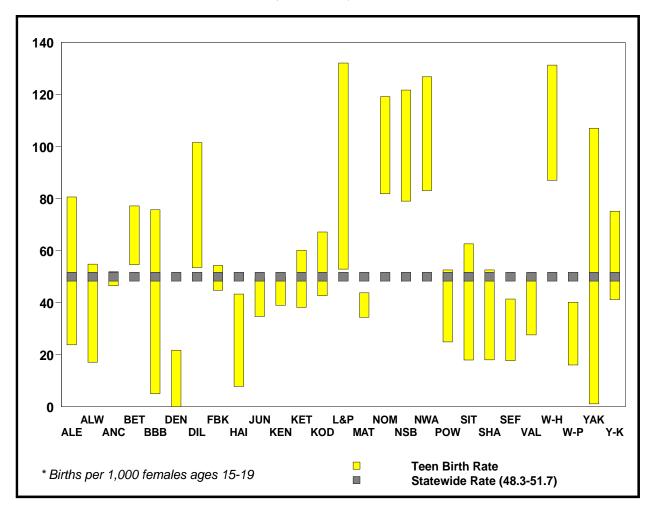
Chart 1.2A shows that the fertility rates for Aleutians East, Aleutians West, Denali, Haines, Juneau, Kenai, Matanuska-Susitna, Sitka, Skagway-Hoonah-Angoon, and Yakutat are significantly lower than the statewide rates. On the other hand, the fertility rates for Bethel, Dillingham, Kodiak, Nome, North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

Page 14 1998 Annual Report

BIRTHS BY CENSUS AREA OF MOTHER'S RESIDENCE AND BY CENSUS AREA OF OCCURRENCE, ALASKA, 1998 TABLE 1.2A

								CENSI	SARI	CENSUS AREA OF OCCURRENCE		RRE	ICE									
MOTHER'S RESIDENCE	ALW ANC	BET	Т	L FBK	JUN.	KPB	KET		MSB	KOD MSB NOM NSB NAB POW	NSB	VAB P		SIT	SHA	SEF	VAL V	WAH WRP		YUK	soo	TOTAL
ALEUTIANS EAST		16																			1	17
ALEUTIANS WEST	1	23			_	1								_							91	43
ANCHORAGE	4.147	47			3	2		2	16												12	4.182
BETHEL		131 2	274	_														2			-	409
BRISTOL BAY		16																			_	17
DENALI		1			17				1													19
DILLINGHAM		39	_	65																	_	106
FAIRBANKS NSB		24		1,405	2																6	1,439
HAINES BOROUGH		_		`	=									v							4	, 21
JUNEAU BOROUGH		22			365					-				-					-		4	394
KENAI PENINSULA		93			_	551			2												9	653
KETCHIKAN							186														4	190
KODIAK ISLAND		15				2		237	_												5	260
LAKE-PENINSULA		24		ε																		27
MATANUSKA-SUSITNA	2	269				2			434												2	707
NOME		81							٦	118											9	207
NORTH SLOPE		70			3						47	10									9	146
NORTHWEST ARCTIC		75			2							103									_	181
PRINCE OF WALES		2					83						4	-							С	94
SITKA BOROUGH		4												96							v	106
SKGWAY-HOONAH-ANG		2			20									∞	-						-	32
SE FAIRBANKS		2		100	0				_							2					_	106
VALDEZ-CORDOVA		99			9				∞								49				4	133
WADE HAMPTON		71 1	137							_								6			С	222
WRANGELL-PETERSBG		_			80		29							15					31		Ξ	95
YAKUTAT					3																	
YUKON-KOYUKUK		24	7	8							-									2		Ξ
TOTAL	1 5,219		414	69 1,630	0 407	7 560	298	239	465	120	48	114	4	127	-	7	49	Ξ	32	æ	107	9,920

CHART 1.2B TEEN BIRTH RATES WITH 95% CONFIDENCE INTERVALS BY CENSUS AREAS, ALASKA, 1996-1998



Since the birth rate for teens deals with smaller numbers than the general fertility rate, teen births and populations for a three year period, from 1996 through 1998, have been used in calculating teen birth rates by census area. The teen birth rate is calculated by dividing the number of births to teens from ages 15-19 in the three-year period by the total estimated female population in that age group for all three years, and multiplying by a constant of proportionality of 1,000. Births to teens younger than 15 are not included when calculating the teen birth rate because there are few births in that population and the rate would not be meaningful when compared to the national teen birth rate.

Chart 1.2B shows that Denali, Haines, Matanuska-Susitna, Sitka, Southeast Fairbanks, and Wrangell-Petersburg had teen birth rates below the statewide rate. Bethel, Dillingham, Lake & Peninsula, Nome, North Slope, Northwest Arctic, and Wade Hampton had teen birth rates above the statewide rate.

Page 16 1998 Annual Report

TABLE 1.2B BIRTHS BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE AND BY NATIVE REGIONAL CORPORATION OF OCCURRENCE, ALASKA, 1998 (ALASKA RESIDENTS ONLY)

MOTHER'S			NATI	IVE RE	EGION	AL COI	RPORAT	ION O	F OCCU	RREN	CE			
RESIDENCE	AHTNA	ALEUT										SEAAK	oos	TOTAL
AHTNA	2	2					5	32	7				1	47
ALEUT		1						40	1			1	17	60
ARCTIC SLOPE			47					70	13		10		6	146
BERING STRAITS				118				82			1		6	207
BRISTOL BAY					68	1		77					2	148
CALISTA				1	1	422		203					4	631
CHUGACH							42	142					3	187
COOK INLET								5,418	4	. 2			20	5,444
DOYON			1			2		54	1,607				10	1,674
KONIAG								18		237			5	260
NANA								75	2		103		1	181
SEALASKA				1				33	1			868	32	935
TOTAL	2	1	48	120	69	425	47	6,244	1,635	239	114	869	107	9,920

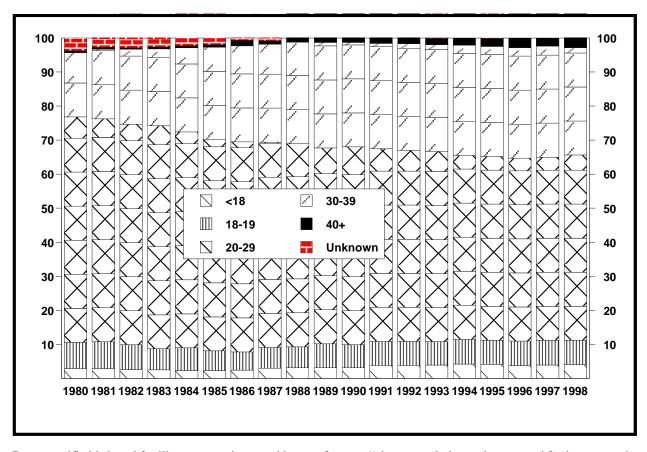
BIRTHS BY AGE AND RACE

A dramatic change in the last two decades has been the shift in the age distribution of mothers. Mothers ages 20-29 accounted for 54.4 percent of all births in 1998, down from 66.2 percent of all births in 1980. Mothers ages 30-39 accounted for 31.6 percent of all births in 1998, up from 18.9 percent in 1980. While there has been some change in the percentage of mothers under 20 and 40 and above, these changes are small compared to the shift in mothers from ages 20-29 to 30-39. (See Chart 1.3.)

TABLE 1.3A RESIDENT BIRTHS AND PERCENTAGE BY AGE OF MOTHER, ALASKA, 1980, 1990, and 1998

AGE OF	198	80	19	90	19	98
MOTHER	No.	%	No.	%	No.	<u>%</u>
<18	278	2.9	364	3.1	397	4.0
18-19	728	7.7	811	6.8	717	7.2
20-29	6,290	66.2	6,919	58.1	5,400	54.4
30-39	1,797	18.9	3,651	30.7	3,132	31.6
40 +	57	0.6	150	1.3	274	2.8
UNKNOWN	345	3.6	5			
TOTAL	9,495	100.0	11,900	100.0	9,920	100.0

CHART 1.3 PERCENTAGE OF BIRTHS BY AGE OF MOTHER, ALASKA, 1980-1998



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

Table 1.3B shows differences in the mother's age by race. In 1998, 9.0 percent of all white infants and 9.6 percent of all Asian/Pacific Islander infants were born to mothers under 20, while 17.5 percent of all Native infants and 13.4 percent of all African-American infants were born to mothers under 20. Even more startling is the difference in age distribution of first-time mothers: 18.7 percent of first-born white infants and 18.9 percent of first-born Asian/Pacific Islander infants were born to mothers under the age of 20; and 47.2 percent of first-born Native infants and 29.2 percent of first-born African-American infants were born to mothers were under the age of 20.

A comparison of total births and first-time births is an indicator of parity (the number of children born to a mother). For instance, 39.0 percent of white infants and 28.5 percent of Native infants were born to first-time mothers. White mothers had an average of 1.1 prior live births; Native mothers had an average of 1.9 prior live births; African-American mothers had an average of 1.3 prior live births, and Asian mothers had an average of 1.1 prior live births.

Page 18 1998 Annual Report

TABLE 1.3B RESIDENT BIRTHS AND PERCENTAGE BY AGE AND RACE FOR ALL MOTHERS AND FIRST-TIME MOTHERS, ALASKA, 1998

				ALL MO	THERS				
	WHI	TE	NATI		AFR	/AM	ASIA	N/PI	
AGE	No.	%	No.	%	No.	%	No.	%	TOTAL
<18	183	2.8	172	7.1	19	4.8	23	4.8	397
18-19	408	6.2	252	10.4	34	8.6	23	4.8	717
20-29	3,596	54.2	1,326	54.9	230	58.2	248	51.5	5,400
30-39	2,229	33.6	620	25.7	104	26.3	179	37.1	3,132
40 +	213	3.2	44	1.8	8	2.0	9	1.9	274
TOTAL	6,629	100.0	2,414	100.0	395	100.0	482	100.0	9,920
			FIR	RST-TIME	MOTHER	RS			
	WHI	TE	NATI		AFR		ASIA	N/PI	
AGE	No.	%	No.	%	No.	%	No.	%	TOTAL
<18	167	6.5	150	21.8	19	13.2	21	10.4	357
18-19	315	12.2	175	25.4	23	16.0	17	8.5	530
20-29	1,470	56.8	327	47.5	78	54.2	110	54.7	1,985
30-39	590	22.8	32	4.7	24	16.7	52	25.9	698
40 +	46	1.8	4	0.6			1	0.5	51
TOTAL	2,588	100.0	688	100.0	144	100.0	201	100.0	3,621

TABLE 1.3C COMPARISON OF AGE-SPECIFIC BIRTH RATES BY THE MOTHER'S RACE, ALASKA AND THE UNITED STATES, 1993, 1997, 1998

			,	ALASKA				UNIT	ED STAT	ES*	
MO	THER'S		RATE		CHA	NGE		RATE		CHA	NGE
AGE	RACE	1993	1997	1998	93-98	97-98	1993	1997	1998	93-98	97-98
15-17	WHITE	24.8	18.0	17.5	-29.4	-2.8	30.3	27.1	25.9	-14.5	-4.4
	NATIVE**	66.4	51.2	53.7	-19.1	4.9	53.7	45.3	44.3	-17.5	-2.2
	AFR/AM	54.0	42.3	28.9	-46.5	-31.7	79.8	60.8	56.8	-28.8	-6.6
	ASIAN/PI	28.2	26.3	37.5	33.0	42.6	16.0	14.3	13.7	-14.4	-4.2
	TOTAL	34.2	26.2	26.4	-22.8	0.8	37.8	32.1	30.4	-19.6	-5.3
18-19	WHITE	90.8	76.5	73.0	-19.6	-4.6	82.1	75.9	74.7	-9.0	-1.6
	NATIVE**	166.0	140.4	141.0	-15.1	0.4	130.7	117.6	118.0	-9.7	0.3
	AFR/AM	201.2	117.5	86.5	-57.0	-26.4	151.9	130.1	126.8	-16.5	-2.5
	ASIAN/PI	91.5	126.5	65.0	-29.0	-48.6	43.3	39.3	38.2	-11.8	-2.8
	TOTAL	112.1	94.2	88.3	-21.2	-6.3	92.1	83.6	82.0	-11.0	-1.9
15-19	WHITE	48.0	38.5	37.0	-22.9	-3.9	51.1	46.3	45.4	-11.2	-1.9
	NATIVE**	104.3	83.7	86.0	-17.5	2.7	83.1	71.8	71.8	-13.6	
	AFR/AM	112.3	68.8	50.4	-55.1	-26.7	108.6	88.2	85.3	-21.5	-3.3
	ASIAN/PI	51.8	63.7	47.5	-8.3	-25.4	27.0	23.7	23.1	-14.4	-2.5
	TOTAL	62.2	50.3	48.4	-22.2	-3.8	59.6	52.3	51.1	-14.3	-2.3
20-24	WHITE	169.3	151.0	145.8	-13.9	-3.4	106.9	106.7	107.3	0.4	0.6
	NATIVE**	213.7	199.1	204.0	-4.5	2.5	139.8	134.9	139.0	-0.6	3.0
	AFR/AM	155.2	153.9	135.0	-13.0	-12.3	152.6	139.0	141.9	-7.0	2.1
	ASIAN/PI	144.3	126.7	125.8	-12.8	-0.7	73.3	70.5	68.3	-6.8	-3.1
	TOTAL	175.7	160.4	156.7	-10.8	-2.3	112.6	110.4	111.2	-1.2	0.7
25-29	WHITE	129.1	145.2	154.5	19.7	6.4	116.6	116.6	119.3	2.3	2.3
	NATIVE**	179.9	176.6	182.0	1.2	3.1	107.6	100.8	102.0	-5.2	1.2
	AFR/AM	118.7	75.0	62.0	-47.8	-17.3	108.4	99.5	101.9	-6.0	2.4
	ASIAN/PI	162.5	153.7	141.5	-12.9	-7.9	119.9	113.2	109.4	-8.8	-3.4
	TOTAL	138.0	145.4	151.3	9.6	4.1	115.5	113.8	116.0	0.4	1.9
30-34	WHITE	75.7	81.2	87.9	16.1	8.3	82.1	87.8	90.7	10.5	3.3
	NATIVE**	117.6	126.1	117.8	0.2	-6.6	62.8	64.2	66.1	5.3	3.0
	AFR/AM	71.8	62.8	60.0	-16.4	-4.5	67.3	64.3	64.8	-3.7	0.8
	ASIAN/PI	111.1	107.7	91.9	-17.3	-14.7	103.9	110.3	104.1	0.2	-5.6
	TOTAL	82.9	88.7	91.3	10.1	2.9	80.8	85.3	87.5	8.3	2.6
35-39	WHITE	32.4	34.3	34.3	5.9		32.7	36.4	37.8	15.6	3.8
	NATIVE**	53.6	57.2	50.0	-6.7	-12.6	27.6	29.3	30.1	9.1	2.7
	AFR/AM	41.9	42.9	36.6	-12.6	-14.7	29.2	29.7	30.5	4.5	2.7
	ASIAN/PI	49.4	42.2	38.9	-21.3	-7.8	50.2	54.1	52.4	4.4	-3.1
	TOTAL	36.1	38.2	36.8	1.9	-3.7	32.9	36.1	37.4	13.7	3.6
40-44	WHITE	7.9	7.7	8.6	8.9	11.7	5.9	6.9	7.2	22.0	4.3
	NATIVE**	10.2	9.1	11.6	13.7	27.5	5.9	6.4	6.3	6.8	-1.6
	AFR/AM	8.9	4.1	8.2	-7.9	100.0	5.9	6.5	6.7	13.6	3.1
	ASIAN/PI	9.1	7.6	5.9	-35.2	-22.4	11.3	11.9	11.9	5.3	
	TOTAL	8.2	7.7	8.8	7.3	14.3	6.1	7.1	7.3	19.7	2.8

^{*} U.S. data from National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1998," National Vital Statistics Report, Vol. 47, No. 25, October 5, 1999, Table 1, p. 10.

Page 20 1998 Annual Report

^{**} US Data is for American Indians

TABLE 1.3D RACE-SPECIFIC BIRTH RATES, FERTILITY RATES, AND TEEN BIRTH RATES, ALASKA, 1998

MOTHER'S RACE	BIRTHS	TOTAL POPULATION	RACE SPECIFIC RATE	FEMALES 15-44	FERTILITY RATE	TEEN BIRTHS	FEMALES 15-19	TEEN BIRTH RATE
WHITE	6,629	456,271	14.5	101,864	65.1	589	15,923	37.0
NATIVE	2,414	103,361	23.4	22,923	105.3	415	4,824	86.0
AFR/AM	395	27,460	14.4	6,576	60.1	53	1,051	50.4
ASIAN/PI	482	29,990	16.1	7,195	67.0	46	968	47.5
TOTAL	9,920	617,082	16.1	138,558	71.6	1,103	22,766	48.4

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

CHART 1.4 RACE-SPECIFIC FERTILITY RATES, ALASKA, 1994-1998

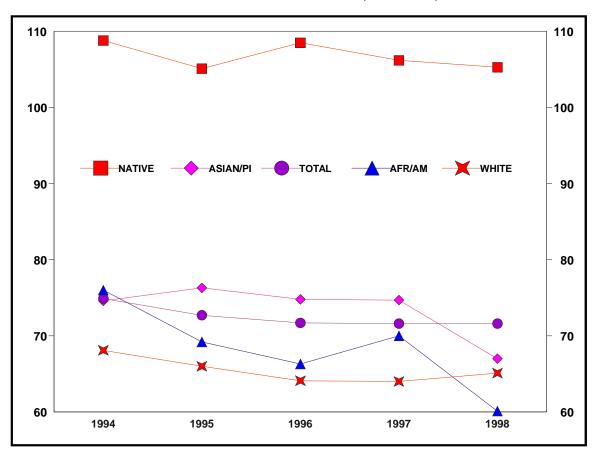
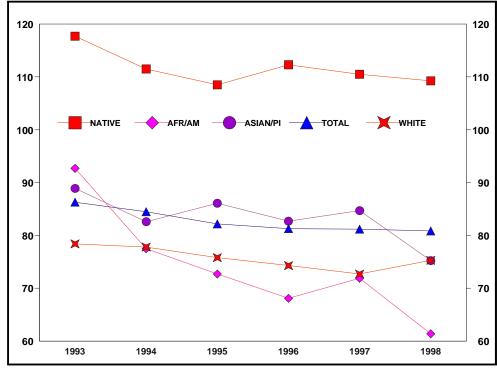
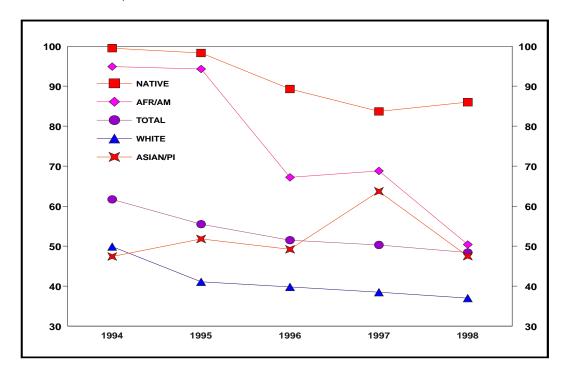


CHART 1.5 AGE-ADJUSTED BIRTH RATES BY RACE, ALASKA, 1994-1998



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

CHART 1.6 RACE-SPECIFIC BIRTH RATES FOR TEENS (AGES 15-19), ALASKA, 1994-1998



Page 22 1998 Annual Report

TABLE 1.4 PERCENTAGE OF RESIDENT BIRTHS BY AGE AND RACE OF MOTHER AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1998

				PERC	ENTAGE	OF BIRTH	IS BY WEI	GHT IN GI	RAMS		
MOTHER'S		<750	750-1499	1500-1999	2400-2499	2500-2999	3000-3499	3500-3999	4000-4499	4500+	UNKN
AGE	RACE	%	%	%	%	%	%	%	%	%	%
<15	WHITE					50.0		50.0			
	NATIVE				11.1	22.2	44.4	11.1	11.1		
15-17	WHITE		0.6	3.3	3.9	17.7	43.6	20.4	9.9		0.6
	NATIVE		0.6	3.1	4.3	11.7	36.2	35.0	9.2		
	AFR/AM				5.3	36.8	42.1	10.5	5.3		
	ASIAN/PI	4.3		4.3	4.3	47.8	30.4	8.7			
18-19	WHITE			1.0	2.2	17.4	39.5	32.6	5.6	1.2	0.5
	NATIVE	0.4	0.4	0.4	4.0	9.9	33.7	34.9	13.5	1.6	1.2
	AFR/AM	5.9	2.9		11.8	14.7	41.2	20.6	2.9		
	ASIAN/PI	4.3			4.3	26.1	30.4	26.1	8.7		
20-24	WHITE	0.2	1.6	1.2	3.4	13.6	35.5	31.2	10.6	2.2	0.4
	NATIVE		0.4	1.1	2.9	8.2	31.5	37.1	15.7	2.9	0.1
	AFR/AM	0.7	4.2	4.9	4.2	18.3	37.3	24.6	5.6		
	ASIAN/PI		0.9		2.7	13.4	46.4	25.0	8.0	3.6	
25-29	WHITE	0.2	0.8	1.4	3.1	11.7	31.6	35.9	12.4	2.7	0.3
	NATIVE		0.9	1.0	3.1	7.7	28.0	36.9	17.2	4.7	0.3
	AFR/AM		2.3	1.1	3.4	12.5	42.0	26.1	10.2	2.3	
	ASIAN/PI			1.5	5.1	19.9	30.9	29.4	11.0	2.2	
30-34	WHITE	0.1	1.0	0.7	2.9	10.8	32.2	35.0	14.5	2.9	
	NATIVE	0.2	1.4	1.4	4.3	12.1	26.2	36.9	13.8	3.1	0.5
	AFR/AM			1.4	5.6	20.8	40.3	25.0	5.6	1.4	
	ASIAN/PI	0.8		1.7	5.9	15.3	34.7	26.3	12.7	2.5	
35-39	WHITE	0.1	1.2	1.1	3.9	11.2	28.5	37.3	12.7	3.9	
	NATIVE		3.5	1.0	6.0	8.5	30.0	28.0	18.5	3.5	1.0
	AFR/AM		3.1		3.1	9.4	50.0	25.0	9.4		
	ASIAN/PI		3.3	1.6	4.9	11.5	34.4	21.3	19.7	1.6	1.6
40-44	WHITE	0.5		2.0	1.5	9.5	31.2	36.7	14.6	3.5	0.5
	NATIVE	2.3		4.7	7.0	7.0	34.9	11.6	16.3	16.3	
	AFR/AM					37.5	37.5	25.0			
	ASIAN/PI				11.1		33.3				
45+	WHITE		21.4	7.1	7.1	14.3	3 28.6	7.1		7.1	7.1
151	NATIVE				,,,,		100.0				
TC	TAL	0.2	1.1	1.3	3.4	12.1	32.9		12.5	2.7	0.3

Table 1.4 shows the percentage of resident births by age and race of the mother and by birth weight of the child. Infants under 2,500 grams are considered to be low birth weight. Achieving a low birth weight percentage below 5% is one of the Year 2000 objectives (Appendix F). For more information on birth weight, see page 41.

TABLE 1.5A RESIDENT BIRTHS TO TEENAGE MOTHERS BY CENSUS AREA OF RESIDENCE, AGE AND MARITAL STATUS, ALASKA, 1998

	<15		15-17		18-19		TOTAL		
CENSUS AREA OF	MAR	RIED	MARRIED		MARRIED		MARRIED		
MOTHER'S RESIDENCE	YES	NO	YES	NO	YES	NO	YES	NO	TOTAL
ALEUTIANS EAST				1		1		2	2
ALEUTIANS WEST				1	2	1	2	2	4
ANCHORAGE		2	16	149	92	205	108	356	464
BETHEL			1	16	4	21	5	37	42
BRISTOL BAY				1				1	1
DILLINGHAM			1	5	1	6	2	11	13
FAIRBANKS NSB			5	42	46	49	51	91	142
HAINES BOROUGH					2		2		2
JUNEAU BOROUGH		2	2	8	5	18	7	28	35
KENAI PENINSULA			5	17	20	29	25	46	71
KETCHIKAN			1	11	5	7	6	18	24
KODIAK ISLAND			2	8	8	8	10	16	26
LAKE-PENINSULA				1		3		4	4
MATANUSKA-SUSITNA		1	3	18	21	33	24	52	76
NOME		4		10		25		39	39
NORTH SLOPE		1		14	2	11	2	26	28
NORTHWEST ARCTIC				12	1	16	1	28	29
PRINCE OF WALES				2	2	5	2	7	9
SITKA BOROUGH				5	1	4	1	9	10
SKGWAY-HOONAH-ANG				1		2		3	3
SE FAIRBANKS				1	4	5	4	6	10
VALDEZ-CORDOVA			1	4	5	10	6	14	20
WADE HAMPTON			1	10	4	17	5	27	32
WRANGELL-PETERSBG			1	1	2	3	3	4	7
YUKON-KOYUKUK		1		9		11		21	21
TOTAL		11	39	347	227	490	266	848	1,114

TABLE 1.5B RESIDENT BIRTHS TO TEENAGE MOTHERS BY NATIVE REGIONAL CORPORATION OF RESIDENCE, AGE AND MARITAL STATUS, ALASKA, 1998

	<15		15-17		18-19		TOTAL		
NRC OF MOTHER'S M		RIED	MARRIED		MARRIED		MARRIED		
RESIDENCE	YES	NO	YES	NO	YES	NO	YES	NO	TOTAL
AHTNA INC.					1	5	1	5	6
ALEUT CORP.				2	2	2	2	4	6
ARCTIC SLOPE CORP.		1		14	2	11	2	26	28
BERING STRAITS CORP.		4		10		25		39	39
BRISTOL BAY CORP.			1	7	1	9	2	16	18
CALISTA CORP.			2	26	8	38	10	64	74
CHUGACH NATIVES INC.			1	8	5	10	6	18	24
COOK INLET REG CORP.		3	24	180	132	262	156	445	601
DOYON LTD.		1	5	52	50	65	55	118	173
KONIAG INC.			2	8	8	8	10	16	26
NANA REGIONAL CORP.				12	1	16	1	28	29
SEALASKA CORP.		2	4	28	17	39	21	69	90
TOTAL		11	39	347	227	490	266	848	1,114

Page 24 1998 Annual Report

TABLE 1.6A RESIDENT BIRTHS BY MOTHER'S CENSUS AREA OF RESIDENCE, RACE, AND SEX OF CHILD, ALASKA, 1998

CENSUS AREA OF		RACE OF	MOTHER		SEX OF	CHILD	
MOTHER'S RESIDENCE	WHITE	NATIVE	AFR/AM	ASIAN/PI	MALE	FEMALE	TOTAL
ALEUTIANS EAST	4	13			8	9	17
ALEUTIANS WEST	27	9		7	24	19	43
ANCHORAGE	3,093	559	247	283	2,103	2,079	4,182
BETHEL	25	379	1	4	231	178	409
BRISTOL BAY	12	5			8	9	17
DENALI	17			2	10	9	19
DILLINGHAM	9	96		1	56	50	106
FAIRBANKS NSB	1,122	142	132	43	737	702	1,439
HAINES BOROUGH	16	5			10	11	21
JUNEAU BOROUGH	284	81	3	26	186	208	394
KENAI PENINSULA	571	63	2	17	328	325	653
KETCHIKAN	134	42	2	12	93	97	190
KODIAK ISLAND	171	44	1	44	125	135	260
LAKE-PENINSULA	6	20		1	9	18	27
MATANUSKA-SUSITNA	656	38	1	12	376	331	707
NOME	27	180			98	109	207
NORTH SLOPE	13	126		7	80	66	146
NORTHWEST ARCTIC	9	170	1	1	84	97	181
PRINCE OF WALES	51	42	1		47	47	94
SITKA BOROUGH	74	28		4	55	51	106
SKGWAY-HOONAH-ANG	19	13			15	17	32
SE FAIRBANKS	86	13	4	3	58	48	106
VALDEZ-CORDOVA	109	20		4	72	61	133
WADE HAMPTON	5	216		1	118	104	222
WRANGELL-PETERSBG	72	19		4	47	48	95
YAKUTAT	1	1		1	1	2	3
YUKON-KOYUKUK	16	90		5	57	54	111
TOTAL	6,629	2,414	395	482	5,036	4,884	9,920

TABLE 1.6B RESIDENT BIRTHS BY MOTHER'S NATIVE REGIONAL CORPORATION OF RESIDENCE, RACE, AND SEX OF CHILD, ALASKA, 1998

NRC OF MOTHER'S		RACE OF	MOTHER		SEX OF	CHILD	
RESIDENCE	WHITE	NATIVE	AFR/AM	ASIAN/PI	MALE	FEMALE	TOTAL
AHTNA INC.	34	13			29	18	47
ALEUT CORP.	31	22		7	32	28	60
ARCTIC SLOPE CORP.	13	126		7	80	66	146
BERING STRAITS CORP.	27	180			98	109	207
BRISTOL BAY CORP.	25	121		2	72	76	148
CALISTA CORP.	30	595	1	5	349	282	631
CHUGACH NATIVES INC.	125	57		5	99	88	187
COOK INLET REG CORP.	4,273	610	250	311	2,753	2,691	5,444
DOYON LTD.	1,240	245	136	53	861	813	1,674
KONIAG INC.	171	44	1	44	125	135	260
NANA REGIONAL CORP.	9	170	1	1	84	97	181
SEALASKA CORP.	651	231	6	47	454	481	935
TOTAL	6,629	2,414	395	482	5.036	4.884	9,920

TABLE 1.7A RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND CENSUS AREA OF RESIDENCE, ALASKA, 1998

								AG	E OF M	ЮТН	ER								
	<1		15-		18-		20-		25-	_	30-		35-			44	45		
CENSUS AREA ALEUTIANS EAST	No.	<u>%</u>	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	TOTAL
			1	5.9		5.9	8	47.1	2	11.8	1	5.9	4	23.5					17
ALEUTIANS WEST			1	2.3	3	7.0	6	14.0	8	18.6	13	30.2	12	27.9					43
ANCHORAGE	2		165	3.9	297	7.1	1,077	25.8	1,186	28.4	911	21.8	437	10.4	96	2.3	11	0.3	4,182
BETHEL			17	4.2	25	6.1	133	32.5	109	26.7	77	18.8	42	10.3	5	1.2	1	0.2	409
BRISTOL BAY			1	5.9			2	11.8	7	41.2	4	23.5	3	17.6					17
DENALI							2	10.5	4	21.1	6	31.6	6	31.6	1	5.3			19
DILLINGHAM			6	5.7	7	6.6	35	33.0	20	18.9	28	26.4	8	7.5	2	1.9			106
FAIRBANKS NSB			47	3.3	95	6.6	455	31.6	403	28.0	286	19.9	113	7.9	40	2.8			1,439
HAINES BOROUGH					2	9.5	6	28.6	5	23.8	5	23.8	3	14.3					21
JUNEAU BOROUGH	2	0.5	10	2.5	23	5.8	84	21.3	107	27.2	94	23.9	56	14.2	18	4.6			394
KENAI PENINSULA			22	3.4	49	7.5	183	28.0	182	27.9	132	20.2	65	10.0	19	2.9	1	0.2	653
KETCHIKAN			12	6.3	12	6.3	50	26.3	57	30.0	33	17.4	19	10.0	7	3.7			190
KODIAK ISLAND			10	3.8	16	6.2	49	18.8	76	29.2	68	26.2	34	13.1	7	2.7			260
LAKE-PENINSULA			1	3.7	3	11.1	8	29.6	7	25.9	1	3.7	4	14.8	3	11.1			27
MATANUSKA-SUSITNA	1	0.1	21	3.0	54	7.6	182	25.7	207	29.3	114	16.1	101	14.3	26	3.7	1	0.1	707
NOME	4	1.9	10	4.8	25	12.1	56	27.1	57	27.5	36	17.4	19	9.2					207
NORTH SLOPE	1	0.7	14	9.6	13	8.9	44	30.1	34	23.3	27	18.5	11	7.5	2	1.4			146
NORTHWEST ARCTIC			12	6.6	17	9.4	50	27.6	44	24.3	37	20.4	14	7.7	7	3.9			181
PRINCE OF WALES			2	2.1	7	7.4	29	30.9	29	30.9	13	13.8	10	10.6	3	3.2	1	1.1	94
SITKA BOROUGH			5	4.7	5	4.7	31	29.2	17	16.0	30	28.3	14	13.2	4	3.8			106
SKGWAY-HOONAH-ANG			1	3.1	2	6.3	9	28.1	9	28.1	5	15.6	4	12.5	2	6.3			32
SE FAIRBANKS			1	0.9	9	8.5	27	25.5	24	22.6	28	26.4	13	12.3	4	3.8			106
VALDEZ-CORDOVA			5	3.8	15	11.3	26	19.5	28	21.1	37	27.8	17	12.8	5	3.8			133
WADE HAMPTON			11	5.0	21	9.5	53	23.9	66	29.7	47	21.2	21	9.5	3	1.4			222
WRANGELL-PETERSBG			2	2.1	5	5.3	19	20.0	39	41.1	18	18.9	11	11.6	1	1.1			95
YAKUTAT							2	66.7					1	33.3					3
YUKON-KOYUKUK	1	0.9	9	8.1	11	9.9	29	26.1	18	16.2	27	24.3	12	10.8	4	3.6			111
TOTAL	11	0.1	386	3.9	717	7.2	2,655	26.8	2,745	27.7	2,078	20.9	1,054	10.6	259	2.6	15	0.2	9,920

TABLE 1.7B RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND NATIVE REGIONAL CORPORATION OF RESIDENCE, ALASKA, 1998

								A.C.	E OF N	40TU	IFD								
NCR OF MOTHER'S	<	15	15-	17	18-	19	20-	_	25-		30-	34	35-	39	40-	44	45	5+	
RESIDENCE	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	TOTAL
AHTNA INC.					6	13.0	6	13.0	13	28.0	15	32.0	3	6.0	4	8.5			47
ALEUT CORP.			2	3.0	4	7.0	14	23.0	10	17.0	14	23.0	16	27.0					60
ARCTIC SLOPE CORP.	1	0.7	14	10.0	13	9.0	44	30.0	34	23.0	27	19.0	11	8.0	2	1.4			146
BERING STRAITS CORP.	4	1.9	10	5.0	25	12.0	56	27.0	57	28.0	36	17.0	19	9.0					207
BRISTOL BAY CORP.			8	5.0	10	7.0	45	30.0	34	23.0	32	22.0	14	10.0	5	3.4			148
CALISTA CORP.			28	4.0	46	7.0	186	30.0	175	28.0	124	20.0	63	10.0	8	1.3	1	0.2	631
CHUGACH NATIVES INC.			9	5.0	15	8.0	50	27.0	37	20.0	43	23.0	26	14.0	7	3.7			187
COOK INLET REG CORP.	3	0.1	204	4.0	394	7.0	1,412	26.0	1,553	29.0	1,138	21.0	592	11.0	135	2.5	13	0.2	5,444
DOYON LTD.	1	0.1	57	3.0	115	7.0	513	31.0	449	27.0	346	21.0	144	9.0	49	2.9			1,674
KONIAG INC.			10	4.0	16	6.0	49	19.0	76	29.0	68	26.0	34	13.0	7	2.7			260
NANA REGIONAL CORP.			12	7.0	17	9.0	50	28.0	44	24.0	37	20.0	14	8.0	7	3.9			181
SEALASKA CORP.	2	0.2	32	3.0	56	6.0	230	25.0	263	28.0	198	21.0	118	13.0	35	3.7	1	0.1	935
TOTAL	11	0.1	386	4.0	717	7.0	2,655	27.0	2,745	28.0	2,078	21.0	1,054	11.0	259	2.6	15	0.2	9,920

Page 26 1998 Annual Report

TABLE 1.7C RESIDENT BIRTHS AND PERCENTAGE BY MOTHER'S AGE AND RACE, ALASKA, 1998

								AGI	E OF N	10TI	IER								
MOTHER'S	<1	5	15-	17	18-	19	20-	24	25-	29	30-	34	35-	39	40-	44	45	+	
RACE	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	TOTAL
WHITE	2		181	3.0	408	6.0	1,649	25.0	1,947	29.0	1,468	22.0	761	12.0	199	3.0	14	0.2	6,629
NATIVE	9	0.4	163	7.0	252	10.0	752	31.0	574	24.0	420	17.0	200	8.0	43	1.8	1		2,414
AFR/AM			19	5.0	34	9.0	142	36.0	88	22.0	72	18.0	32	8.0	8	2.0			395
ASIAN/PI			23	5.0	23	5.0	112	23.0	136	28.0	118	25.0	61	13.0	9	1.9			482
TOTAL	11	0.1	386	4.0	717	7.0	2,655	27.0	2,745	28.0	2,078	21.0	1,054	11.0	259	2.6	15	0.2	9,920

TABLE 1.8 RESIDENT BIRTHS BY MOTHER'S AGE AND NUMBER OF LIVING CHILDREN, ALASKA, 1998

					CHILDI			
MOTHER'S		(NO	TINCLU	JDING T	HIS BIR	[H)		- I
AGE	NONE	ONE	TWO	3-4	5-9	10+	UNK	TOTAL
<15	10	1						11
15-17	347	38	1					386
18-19	535	156	24				2	717
20-24	1,183	961	386	119	5		1	2,655
25-29	826	898	562	385	69		5	2,745
30-34	509	612	430	372	146	2	7	2,078
35-39	196	305	206	238	101	4	4	1,054
40-44	49	62	41	66	37	1	3	259
45+	2	3	4	2	4			15
TOTAL	3,657	3,036	1,654	1,182	362	7	22	9,920

MOTHER'S MARITAL STATUS

In 1998, the percentage of mothers who were not married rose to 31.1 percent. In 1977 the percentage of births to mothers who were not married was 11.5 percent. This percentage has increased every year except from 1996 to 1997 when the percentage of births to mothers who were not married declined: from 31.0 percent in 1996 to 30.6 percent in 1997. In 1998, 32.8 percent of all births in the United States were to mothers who were not married.⁷

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

In 1960, 15 percent of births to U.S. mothers under the age of 20 were to mothers who were not married. In 1998, 78.8 percent of births to U.S. mothers under the age of 20 were to mothers who were not married. In Alaska in 1998, 76.1 percent of births to mothers under 20 were to mothers who were not married.

⁷ National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1998," *National Vital Statistics Report*, Vol. 47, No. 25, October 5, 1999, Table C, p. 4.

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

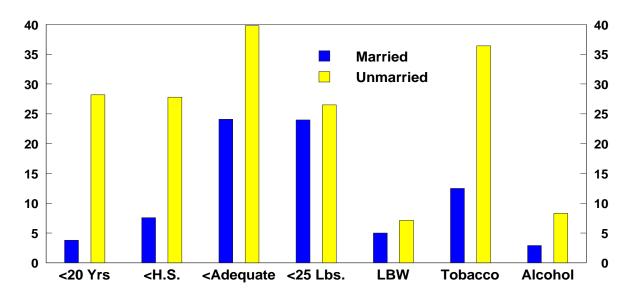
⁹ National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1998," *National Vital Statistics Report*, Vol. 47, No. 25, October 5, 1999, p. 4.

Alaskan mothers in all age groups were less likely to be married in 1998 than in 1980. In 1980, 58.0 percent of Alaska resident teen mothers (under 20 years of age) were married. In 1998, 23.9 percent of Alaska resident teen mothers were married. In 1998, 69.7 percent of Alaska resident mothers ages 20-29 were married, down from 87.8 percent in 1980. Data for mothers ages 30-39 shows that 94.3 percent were married in 1980 while 82.3 percent were married in 1998.

Chart 1.7A shows some alarming contrasts between single mothers and married mothers. From 1994-1998, 3.8 percent of married mothers were under 20 years of age while 28.2 percent of unmarried mothers were under 20. Mothers with less than a high school education comprised 7.6 percent of married mothers and 27.8 percent of unmarried mothers. Twenty-four percent of married mothers had less than adequate prenatal care and 39.8 percent of unmarried mothers had less than adequate prenatal care. From 1994-1998, 24.0 percent of married mothers gained less than the recommended minimum of 25 pounds during pregnancy, while 26.5 percent of unmarried mothers gained less than 25 pounds. Unmarried mothers were more likely to deliver low birth weight infants than married mothers (7.1 percent vs. 5.0 percent). Unmarried mothers were much more likely to report using tobacco (36.4% vs. 12.5%) and alcohol (8.3% vs. 2.9%) during pregnancy.

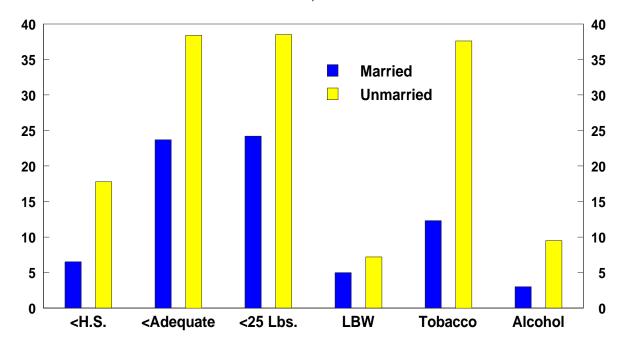
Page 28 1998 Annual Report

CHART 1.7A CONTRASTS BETWEEN MARRIED AND UNMARRIED MOTHERS, 1994-1998



While one may assume that the negative outcomes illustrated above are attributable to unmarried mothers being younger than married mothers, the patterns still hold when only mothers ages 20 and older are taken into account. Chart 1.7B shows the same data for married and unmarried mothers ages 20 and older.

CHART 1.7B CONTRASTS BETWEEN MARRIED AND UNMARRIED MOTHERS AGES 20 AND OLDER, 1994-1998



Since unmarried mothers tend to be younger, less educated, less likely to receive adequate prenatal care, more likely to have inadequate weight gain, more likely to deliver low birth weight infants, and more likely to use tobacco and alcohol, their babies are more likely to be physically and economically disadvantaged at birth.

TABLE 1.9A RESIDENT BIRTHS BY THE MOTHER'S CENSUS AREA OF RESIDENCE, MARITAL STATUS, AND EDUCATION, ALASKA, 1998

		M	ARRIE	D			S	INGLI	E.			7	TOTAL	,		
	YE	ARS O	F EDU	CATIO	ON	YE	ARS O	F EDU	CATIO	ON	YE	ARS O	F EDU	CATIO	ON	
CENSUS AREA	0-11	12	13-15	16+	UNK	0-11	12	13-15	16+	UNK	0-11	12	13-15	16+	UNK	TOTAL
ALEUTN EAST	1	5	1			1	7	1		1	2	12	2		1	17
ALEUTN WEST	1	9	9	5	10	1	6	2			2	15	11	5	10	43
ANCHORAGE	186	966	991	769	34	331	546	256	56	47	517	1,512	1,247	825	81	4,182
BETHEL	30	160	27	16	3	46	107	10	4	6	76	267	37	20	9	409
BRISTOL BAY	1	7	4	1	1		2			1	1	9	4	1	2	17
DENALI	1	7	5	6							1	7	5	6		19
DILLINGHAM	10	27	13	6	1	12	31	3	1	2	22	58	16	7	3	106
FAIRBANKS	50	468	336	274	12	78	120	76	16	9	128	588	412	290	21	1,439
HAINES		8	3	4	3		2	1				10	4	4	3	21
JUNEAU	13	93	76	94	4	24	47	31	5	7	37	140	107	99	11	394
KENAI PEN	38	190	123	101	17	39	100	29	13	3	77	290	152	114	20	653
KETCHIKAN	8	56	28	38	8	13	30	3	2	4	21	86	31	40	12	190
KODIAK	11	88	50	51	1	15	32	8	1	3	26	120	58	52	4	260
LAKE-PENIN	4	7	2	3		3	5	2		1	7	12	4	3	1	27
MAT-SU	35	202	167	105	3	50	100	28	15	2	85	302	195	120	5	707
NOME	6	50	8	13	3	36	77	7		7	42	127	15	13	10	207
NORTH SLOPE	15	28	13	3	3	38	34	9		3	53	62	22	3	6	146
NW ARCTIC	12	30	14	6	3	34	64	8	1	9	46	94	22	7	12	181
PRINCE-WALES	5	31	11	8	2	9	22	4	1	1	14	53	15	9	3	94
SITKA	4	22	20	24	5	10	12	5	2	2	14	34	25	26	7	106
SKG-HNH-ANG		7	7	5		5	6	2			5	13	9	5		32
SE FAIRBANKS	7	44	20	15	1	6	9	4			13	53	24	15	1	106
VALDEZ-CORDV	4	28	38	26	1	6	19	7	1	3	10	47	45	27	4	133
WADE HAMPTON	15	68	7	5	2	42	71	7	1	4	57	139	14	6	6	222
WRANGELL-PBG	4	22	17	17	8	6	12	5		4	10	34	22	17	12	95
YAKUTAT		1	1				1					2	1			3
YUKON-KOY	5	13	10	10	1	17	45	10			22	58	20	10	1	111
TOTAL	466	2,637	2,001	1,605	126	822	1,507	518	119	119	1,288	4,144	2,519	1,724	245	9,920

TABLE 1.9B RESIDENT BIRTHS BY THE MOTHER'S NATIVE REGIONAL CORPORATION OF RESIDENCE, MARITAL STATUS, AND EDUCATION, ALASKA, 1998

NATIVE REGIONAL	YE	M.	ARRIE F EDU)N	YE	~	SINGLI OF EDI	_	ON	YF		TOTAI OF EDI		ON	
CORPORATION	0-11	12	13-15	16+	UNK		12	13-15		UNK		12	13-15			TOTAL
AHTNA INC	1	10	14	7		3	9	1		2	4	19	15	7	2	47
ALEUT CORP	2	14	10	5	10	2	13	3		1	4	27	13	5	11	60
ARCTIC SLO	15	28	13	3	3	38	34	9		3	53	62	22	3	6	146
BERING STS	6	50	8	13	3	36	77	7		7	42	127	15	13	10	207
BRISTOL BY	15	41	18	9	2	15	38	5	1	4	30	79	23	10	6	148
CALISTA CP	45	228	34	21	5	88	178	17	5	10	133	406	51	26	15	631
CHUGACH	6	38	48	30	2	12	31	14	1	5	18	69	62	31	7	187
COOK INLET	256	1,338	1,259	965	53	411	725	305	84	48	667	2,063	1,564	1,049	101	5,444
DOYON LTD	63	532	370	305	14	101	174	90	16	9	164	706	460	321	23	1,674
KONIAG INC	11	88	50	51	1	15	32	8	1	3	26	120	58	52	4	260
NANA CORP	12	30	14	6	3	34	64	8	1	9	46	94	22	7	12	181
SEALASKA	34	240	163	190	30	67	132	51	10	18	101	372	214	200	48	935
TOTAL	466	2.637	2.001	1.605	126	822	1.507	518	119	119	1.288	4.144	2.519	1.724	245	9.920

Page 30 1998 Annual Report

TABLE 1.10 RESIDENT BIRTHS BY THE MOTHER'S RACE, MARITAL STATUS, AND EDUCATION, ALASKA, 1998

		М	ARRIE	D			5	SINGLE	2			,	ΓΟΤΑL	1		
MOTHER'S	YE	CARS O	F EDU	CATIO	N	YI	EARS C	F EDU	CATIO	N	YE	CARS C	F EDU	CATIO	N	
RACE	0-11	12	13-15	16+	UNK	0-11	12	13-15	16+	UNK	0-11	12	13-15	16+	UNK	TOTAL
WHITE	250	1.792	1.601	1.456	85	335	661	315	97	37	585	2,453	1.916	1.553	122	6,629
NATIVE	176	612	167	52	34	426	724	133	15	75	602	1.336	300	67	109	· · · · · · · · · · · · · · · · · · ·
AFR/AM	10	90	103	35		36	69	47	3	2	46	159	150	38	2	395
ASIAN/PI	30	143	130	62	7	25	53	23	4	5	55	196	153	66	12	482
TOTAL	466	2,637	2.001	1,605	126	822	1.507	518	119	119	1.288	4.144	2.519	1.724	245	9,920

TABLE 1.11 RESIDENT BIRTHS BY THE MOTHER'S AGE, MARITAL STATUS, AND EDUCATION, ALASKA, 1998

			ARRIE					SINGLE					ГОТАІ			
MOTHER'S	YE	EARS O	F EDU	CATIO	N	YI	EARS C)F EDU	CATIO)N	YF	EARS C	F EDU	CATIO)N	
AGE	0-11	12	13-15	16+	UNK	0-11	12	13-15	_16+	UNK	0-11	12	13-15	16+	UNK	TOTAL
<15						11					- 11					11
15-17	32	7				279	55	2		11	311	62	2		11	386
18-19	64	134	22	1	6	155	280	37		18	219	414	59	1	24	717
20-24	155	890	460	76	19	209	614	181	22	29	364	1,504	641	98	48	2,655
25-29	107	813	696	518	32	88	285	146	34	26	195	1,098	842	552	58	2,745
30-34	75	501	501	598	34	51	174	90	36	18	126	675	591	634	52	2,078
35-39	28	250	244	324	22	24	82	52	17	11	52	332	296	341	33	1,054
40-44	5	38	73	82	13	5	17	10	10	6	10	55	83	92	. 19	259
45+		4	5	6								4	5	6		15
TOTAL	466	2,637	2,001	1,605	126	822	1,507	518	119	119	1,288	4,144	2,519	1,724	245	9,920

AGES OF MOTHERS AND FATHERS

In 1998 there were 266 infants born to married teenage mothers and 77 infants born to mothers married to teenage fathers. Thirty-nine infants were born to married mothers under the age of 18 and five infants were born to mothers married to fathers under the age of 18. Fifty-five percent of all married mothers and 43.5 percent of all married fathers were ages 20-29. Women from ages 30-39 accounted for 37.7 percent of all married mothers, and 43.2 percent of all married fathers were from 30-39 years of age. Only 3.3 percent of married mothers were 40 or over, while 11.9 percent of married fathers were 40 or over.

In Alaska in 1998, there were 151 mothers who were less than 16 years of age at the time of conception. The ages of 80 of these fathers is unknown. Of the 71 fathers whose age is known, 41 were at least 16 years of age and from 3 to 17 years older than the mother.

Table 1.12 shows mothers' and fathers' ages for married mothers in 1998.

TABLE 1.12 RESIDENT BIRTHS TO MARRIED MOTHERS BY THE MOTHER'S AGE AND FATHER'S AGE, ALASKA, 1998

MOTHER'S				FAT	HER'S	AGE				
AGE	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	UNK	TOTAL
15-17	2	12	18	4	2	1				39
18-19	2	28	142	39	8	6	1		1	227
20-24	1	29	747	616	132	44	15	11	5	1,600
25-29		1	139	1,016	676	222	71	38	3	2,166
30-34		2	24	194	773	502	151	59	4	1,709
35-39			2	30	153	371	226	84	2	868
40-44				3	11	51	71	74	1	211
45+						4	3	8		15
TOTAL	5	72	1,072	1,902	1,755	1,201	538	274	16	6,835

PRENATAL CARE

Prenatal care is defined as pregnancy-related health care services provided to women between conception and delivery. This care includes monitoring health, encouraging good health habits, and providing information and social and psychological support. The Alaska Bureau of Vital Statistics uses the Kessner Index⁷ to evaluate levels of prenatal care. This index is described in Appendix D. In 1998, 68.4 percent of all infants born to Alaska resident mothers received adequate prenatal care, compared to 67.8 percent in 1997.

Another measure of adequacy of prenatal care is the percentage of mothers who receive care within the first trimester of their pregnancy. One of the Year 2000 Health Objectives (see Appendix F) is that 90% of pregnant women receive care within the first trimester. In 1995, 82.5% of women received care within the first trimester; in 1996, that figure dropped to 80.1%; in 1997, only 79.6 percent of women received prenatal care within the first trimester; and in 1998, the figure rose to 80.5 percent of women receiving prenatal care within the first trimester.

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

TABLE 1.13 PRENATAL CARE BY MOTHER'S MARITAL STATUS, ALASKA, 1998

			PRENATA	AL CARE			
MARITAL	ADEQU	JATE	INTERM	EDIATE	INADEQ	UATE	
STATUS	BTHS	PCT	BTHS	PCT	BTHS	PCT	TOTAL
MARRIED	5,022	73.5	1,299	19.0	514	7.5	6,835
UNMARRIED	1,793	58.1	872	28.3	420	13.6	3,085
TOTAL	6,815	68.7	2,171	21.9	934	9.4	9,920

Page 32 1998 Annual Report

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

TABLE 1.14A PRENATAL CARE BY CENSUS AREA OF MOTHER'S RESIDENCE, ALASKA, 1998

			PRENATA	AL CARE			
	ADEQU	JATE	INTERM	EDIATE	INADEQ	UATE	
CENSUS AREA	BTHS	PCT	BTHS	PCT	BTHS	PCT	TOTAL
ALEUTN EAST	14	82.4	3	17.6			17
ALEUTN WEST	26	60.5	12	27.9	5	11.6	43
ANCHORAGE	3,371	80.6	612	14.6	199	4.8	4,182
BETHEL	188	46.0	140	34.2	81	19.8	409
BRISTOL BAY	15	88.2	2	11.8			17
DENALI	9	47.4	8	42.1	2	10.5	19
DILLINGHAM	52	49.1	20	18.9	34	32.1	106
FAIRBANKS	910	63.2	379	26.3	150	10.4	1,439
HAINES	10	47.6	5	23.8	6	28.6	21
JUNEAU	283	71.8	83	21.1	28	7.1	394
KENAI PEN	435	66.6	156	23.9	62	9.5	653
KETCHIKAN	141	74.2	30	15.8	19	10.0	190
KODIAK	156	60.0	82	31.5	22	8.5	260
LAKE-PENIN	17	63.0	7	25.9	3	11.1	27
MAT-SU	496	70.2	146	20.7	65	9.2	707
NOME	92	44.4	67	32.4	48	23.2	207
NORTH SLOPE	79	54.1	51	34.9	16	11.0	146
NW ARCTIC	92	50.8	64	35.4	25	13.8	181
PRINCE-WALES	47	50.0	29	30.9	18	19.1	94
SITKA	78	73.6	21	19.8	7	6.6	106
SKG-HNH-ANG	17	53.1	11	34.4	4	12.5	32
SE FAIRBANKS	38	35.8	40	37.7	28	26.4	106
VALDEZ-CORDV	81	60.9	37	27.8	15	11.3	133
WADE HAMPTON	63	28.4	93	41.9	66	29.7	222
WRANGELL-PBG	64	67.4	24	25.3	7	7.4	95
YAKUTAT	1	33.3	2	66.7			3
YUKON-KOY	40	36.0	47	42.3	24	21.6	111
TOTAL	6,815	68.7	2,171	21.9	934	9.4	9,920

TABLE 1.14B PRENATAL CARE BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE, ALASKA, 1998

NATIVE			PRENATA	AL CARE			
REGIONAL	ADEQU	JATE	INTERM	EDIATE	INADEQ	UATE	
CORPORATION	BTHS	PCT	BTHS	PCT	BTHS	PCT	TOTAL
AHTNA INC	26	55.3	15	31.9	6	12.8	47
ALEUT CORP	40	66.7	15	25.0	5	8.3	60
ARCTIC SLO	79	54.1	51	34.9	16	11.0	146
BERING STS	92	44.4	67	32.4	48	23.2	207
BRISTOL BY	84	56.8	29	19.6	35	23.6	148
CALISTA CP	251	39.8	233	36.9	147	23.3	631
CHUGACH	123	65.8	46	24.6	18	9.6	187
COOK INLET	4,235	77.8	890	16.3	319	5.9	5,444
DOYON LTD	996	59.5	474	28.3	204	12.2	1,674
KONIAG INC	156	60.0	82	31.5	22	8.5	260
NANA CORP	92	50.8	64	35.4	25	13.8	181
SEALASKA	641	68.6	205	21.9	89	9.5	935
TOTAL	6,815	68.7	2,171	21.9	934	9.4	9,920

TABLE 1.15A PRENATAL CARE BY RACE OF MOTHER, ALASKA, 1998

			PRENATA	AL CARE			
MOTHER'S	ADEQU	JATE	INTERM	EDIATE	INADEQ		
RACE	BTHS	PCT	BTHS	PCT	BTHS	PCT	TOTAL
WHITE	4,984	75.2	1,209	18.2	436	6.6	6,629
NATIVE	1,213	50.2	774	32.1	427	17.7	2,414
AFR/AM	296	74.9	69	17.5	30	7.6	395
ASIAN/PI	322	66.8	119	24.7	41	8.5	482
TOTAL	6,815	68.7	2,171	21.9	934	9.4	9,920

TABLE 1.15B PRENATAL CARE BY AGE OF MOTHER, ALASKA, 1998

			PRENATA	AL CARE			
MOTHER'S	ADEQU	ADEQUATE		EDIATE	INADEQ		
AGE	BTHS	PCT	BTHS	PCT	BTHS	PCT	TOTAL
<15	4	36.4	3	27.3	4	36.4	11
15-17	202	52.3	124	32.1	60	15.5	386
18-19	427	59.6	212	29.6	78	10.9	717
20-24	1,797	67.7	607	22.9	251	9.5	2,655
25-29	1,983	72.2	542	19.7	220	8.0	2,745
30-34	1,489	71.7	409	19.7	180	8.7	2,078
35-39	744	70.6	199	18.9	111	10.5	1,054
40-44	159	61.4	73	28.2	27	10.4	259
45+	10	66.7	2	13.3	3	20.0	15
TOTAL	6,815	68.7	2,171	21.9	934	9.4	9,920

BIRTHS BY FACILITY, METHOD, AND ATTENDANT

In 1998, 84.3 percent of babies were delivered vaginally and 14.8 percent by cesarean-section. The U.S. cesarean delivery rate was 21.2 percent in 1998. Some remote or small hospitals had no c-section births; nor were there any c-section births at home or at birthing centers or clinics. At hospitals which did some c-section births, the rate varied widely, from a low of 1.5% at PHS Kanakanak in Dillingham to a high of 28.4% at Alaska Regional Hospital in Anchorage.

The overwhelming majority of babies delivered at hospitals were delivered by medical doctors (79.7%); however, several hospitals had a significant percentage of births attended by certified nurse midwives and doctors of osteopathy. At South Peninsula Hospital in Homer, 59.6 percent of infants were delivered by Certified Nurse Midwives (CNM); at Elmendorf Air Force Base in Anchorage, 48.2 percent of infants were delivered by CNM; at Bassett Army Hospital at Fort Wainwright in Fairbanks, 28.1 percent of infants were delivered by CNM; at Central Peninsula Hospital in Soldotna, 23.4 percent of infants were delivered by CNM; and at Alaska Native Medical Center in Anchorage, 21.2 percent of infants were delivered by CNM. Doctors of Osteopathy (DO) delivered 35.9 percent of infants at Elmendorf Air Force Base in Anchorage, 34.8 percent of infants at Petersburg Hospital, 29.4 percent of infants at PHS Kanakanak in Dillingham, and 24.3 percent of infants at Valley Hospital in Palmer.

Births at home and in birthing centers and clinics accounted for 4.2 percent of all Alaska births. Some of these births were in urban areas where hospitals are available; others took place in rural villages where clinics are the only medical facilities.

Page 34 1998 Annual Report

⁸ National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1997," National Vital Statistics Report, Vol. 47, No. 4, October 7, 1998, p. 5.

TABLE 1.16A RESIDENT BIRTHS BY BIRTH METHOD AND FACILITY, ALASKA, 1998

			MET	HOD			
	VAGI	NAL	C-SEC	TION	UNKŅ	OWN	
FACILITY	No.	%	No.	%	No.	%	TOTAL
PROVIDENCE	2,233	82.5	437	16.1	36	1.3	2,706
AK NATIVE MED CTR	991	88.6	127	11.3	1	0.1	1,119
FAIRBANKS	780	81.7	175	18.3			955
ELMENDORF	563	83.3	110	16.3	3	0.4	676
BASSETT	526	86.9	65	10.7	14	2.3	605
ALASKA REGIONAL	426	71.6	169	28.4			595
YUKON-KUSKOKWIM	394	96.6	14	3.4			408
CENTRAL PENINSULA	337	85.5	57	14.5			394
VALLEY	296	80.9	69	18.9	1	0.3	366
BARTLETT	270	74.4	93	25.6			363
KETCHIKAN	260	87.2	38	12.8			298
CLINIC/BIRTHING CENTER	265	99.6			1	0.4	266
KODIAK	192	82.4	41	17.6			233
HOME	148	99.3			1	0.7	149
SOUTH PENINSULA	119	87.5	17	12.5			136
NORTON SOUND	98	83.8			19	16.2	117
MANIILAQ	111	100.0					111
OUT OF STATE	69	64.5	23	21.5	15	14.0	107
PHS KANAKANAK	67	98.5	1	1.5			68
SEARHC MT EDGECUMBE	49	73.1	18	26.9			67
SITKA	49	83.1	10	16.9			59
PHS BARROW	45	100.0					45
VALDEZ	33	91.7	3	8.3			36
PETERSBURG	22	95.7	1	4.3			23
CORDOVA	9	100.0					9
WRANGELL	8	100.0					8
OTHER	1	100.0					1
TOTAL	8,361	84.3	1,468	14.8	91	0.9	9,920

TABLE 1.16B RESIDENT BIRTHS BY BIRTH ATTENDANT AND FACILITY, ALASKA, 1998

					ATTEN	DANT					
			CERT	IFIED	DOCT	OR OF					
	MED	_	NUI		OSTEO						
	_DOC		MID			O)	MIDV		OTE		
FACILITY	No.	%	No.	<u>%</u>	No.	%	_No	%	No.	<u>%</u>	TOTAL
PROVIDENCE	2,447	90.4	257	9.5				0.0	2	0.1	2,706
AK NATIVE MED CTR	855	76.4	237	21.2	1.1	1.0	2	0.2	25	2.2	1,119
FAIRBANKS	936	98.0		40.5	11	1.2			8	0.8	955
ELMENDORF	91	13.5	326	48.2	243	35.9	_		16	2.4	676
BASSETT	410	67.8	170	28.1	18	3.0	2	0.3	5	0.8	605
ALASKA REGIONAL	576	96.8	19	3.2							595
YUKON-KUSKOKWIM	306	75.0	102	25.0							408
CENTRAL PENINSULA	294	74.6	92	23.4	7	1.8			1	0.3	394
VALLEY	277	75.7			89	24.3					366
BARTLETT	362	99.7							1	0.3	363
KETCHIKAN	260	87.2	37	12.4					1	0.3	298
CLINIC/BIRTHING CENTER	21	7.9	77	28.9	1	0.4	144	54.1	23	8.6	266
KODIAK	155	66.5			78	33.5					233
HOME	7	4.7	16	10.7			93	62.4	33	22.1	149
SOUTH PENINSULA	55	40.4	81	59.6							136
NORTON SOUND	91	77.8			16	13.7	8	6.8	2	1.7	117
MANIILAQ	92	82.9	11	9.9	8	7.2					111
OUT OF STATE	38	35.5	4	3.7	2	1.9	1	0.9	62	57.9	107
PHS KANAKANAK	47	69.1	1	1.5	20	29.4					68
SEARHC MT EDGECUMBE	65	97.0			1	1.5			1	1.5	67
SITKA	59	100.0									59
PHS BARROW	41	91.1			4	8.9					45
VALDEZ	36	100.0									36
PETERSBURG	15	65.2			8	34.8					23
CORDOVA	9	100.0									9
WRANGELL	8	100.0									8
OTHER									1	100.0	1
TOTAL	7,553	76.1	1,430	14.4	506	5.1	250	2.5	181	1.8	9,920

TABLE 1.17A RESIDENT BIRTHS BY CENSUS AREA OF OCCURRENCE AND BIRTH FACILITY, ALASKA, 1998

		PLACI	E OF BI	RTH		
		BIRTHING				
CENSUS AREA WHERE		CENTER/		OUT OF	OTHER/	
BIRTH OCCURRED	HOSPITAL	CLINIC	HOME	STATE	UNKNOWN	TOTAL
ALEUTIANS WEST		1				1
ANCHORAGE	5,096	74	49			5,219
BETHEL	408	4	2			414
DILLINGHAM	68	1				69
FAIRBANKS NSB	1,559	58	13			1,630
JUNEAU BOROUGH	363	27	17			407
KENAI PENINSULA	530	5	24		1	560
KETCHIKAN	298					298
KODIAK ISLAND	233	1	5			239
MATANUSKA-SUSITNA	366	75	24			465
NOME	117	2	1			120
NORTH SLOPE	45	2	1			48
NORTHWEST ARCTIC	111	3				114
PRINCE OF WALES			4			4
SITKA BOROUGH	126		1			127
SKGWAY-HOONAH-ANG			1			1
SE FAIRBANKS			2			2
VALDEZ-CORDOVA	45		4			49
WADE HAMPTON		10	1			11
WRANGELL-PETERSBG	31	1				32
YUKON-KOYUKUK	1	2				3
OUTSIDE ALASKA				107		107
TOTAL	9,397	266	149	107	1	9,920

TABLE 1.17B RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF OCCURRENCE AND BIRTH FACILITY, ALASKA, 1998

		PLACI	E OF BI	RTH		
NATIVE REGIONAL		BIRTHING				
CORPORATION WHERE		CENTER/		OUT OF	OTHER/	
BIRTH OCCURRED	HOSPITAL	CLINIC	HOME	STATE	UNKNOWN	TOTAL
AHTNA INC.			2			2
ALEUT CORP.		1				1
ARCTIC SLOPE CORP.	45	2	1			48
BERING STRAITS CORP.	117	2	1			120
BRISTOL BAY CORP.	68	1				69
CALISTA CORP.	408	14	3			425
CHUGACH NATIVES INC.	45		2			47
COOK INLET REG CORP.	5,992	154	97		1	6,244
DOYON LTD.	1,560	60	15			1,635
KONIAG INC.	233	1	5			239
NANA REGIONAL CORP.	111	3				114
SEALASKA CORP.	818	28	23			869
OUTSIDE ALASKA				107		107
TOTAL	9,397	266	149	107	1	9,920

TABLE 1.18 RESIDENT BIRTHS BY MOTHER'S RACE AND BIRTH FACILITY, ALASKA, 1998

		PLACI	E OF BI	RTH		
		BIRTHING				
RACE OF		CENTER/		OUT OF	OTHER/	
MOTHER	HOSPITAL	CLINIC	HOME	STATE	UNKNOWN	TOTAL
WHITE	6,175	228	135	90	1	6,629
NATIVE	2,359	32	10	13		2,414
AFR/AM	392	1	1	1		395
ASIAN/PI	471	5	3	3		482
TOTAL	9,397	266	149	107	1	9,920

TABLE 1.19 RESIDENT BIRTHS BY MOTHER'S EDUCATION AND BIRTH FACILITY, ALASKA, 1998

		PLACI	E OF BII	RTH		
MOTHER'S		BIRTHING CENTER/		OUT OF	OTHED!	
EDUCATION	HOSPITAL				OTHER/ UNKNOWN	TOTAL
0-11	1,235	25	23	5		1,288
12	4,005	94	37	7	1	4,144
13-15	2,389	71	46	13		2,519
16+	1,586	72	42	24		1,724
UNK	182	4	1	58		245
TOTAL	9,397	266	149	107	1	9,920

Page 38 1998 Annual Report

TABLE 1.20A RESIDENT BIRTHS BY CENSUS AREA OF OCCURRENCE AND BY BIRTH ATTENDANT TYPE, ALASKA, 1998

		AT	TENDANT TY	PE		
CENSUS AREA WHERE BIRTH OCCURRED	MEDICAL DOCTOR	DOCTOR OF OSTEOPATHY	CERTIFIED NURSE MIDWIFE	MIDWIFE	OTHER/ UNKNOWN	TOTAL
ALEUTIANS WEST					1	1
ANCHORAGE	3,972	243	907	47	50	5,219
BETHEL	306		102		6	414
DILLINGHAM	47	20	1		1	69
FAIRBANKS NSB	1,366	29	172	48	15	1,630
JUNEAU BOROUGH	363		10	32	2	407
KENAI PENINSULA	349	8	176	18	9	560
KETCHIKAN	260		37		1	298
KODIAK ISLAND	155	78		6		239
MATANUSKA-SUSITNA	277	89	8	87	4	465
NOME	91	16		8	5	120
NORTH SLOPE	42	4			2	48
NORTHWEST ARCTIC	92	8	11		3	114
PRINCE OF WALES					4	4
SITKA BOROUGH	124	1			2	127
SKGWAY-HOONAH-ANG				1		1
SE FAIRBANKS			1		1	2
VALDEZ-CORDOVA	45		1	2	1	49
WADE HAMPTON	3				8	11
WRANGELL-PETERSBG	23	8			1	32
YUKON-KOYUKUK					3	3
OUTSIDE ALASKA	38	2	4	1	62	107
TOTAL	7,553	506	1,430	250	181	9,920

TABLE 1.20B RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF OCCURRENCE AND BY BIRTH ATTENDANT TYPE, ALASKA, 1998

		AT	TENDANT TY	PE		
NATIVE REGIONAL			CERTIFIED			
CORPORATION WHERE	MEDICAL	DOCTOR OF	NURSE		OTHER/	
BIRTH OCCURRED	DOCTOR	OSTEOPATHY	MIDWIFE	MIDWIFE	UNKNOWN	TOTAL
AHTNA INC.			1	1		2
ALEUT CORP.					1	1
ARCTIC SLOPE CORP.	42	4			2	48
BERING STRAITS CORP.	91	16		8	5	120
BRISTOL BAY CORP.	47	20	1		1	69
CALISTA CORP.	309		102		14	425
CHUGACH NATIVES INC.	45			1	1	47
COOK INLET REG CORP.	4,598	340	1,091	152	63	6,244
DOYON LTD.	1,366	29	173	48	19	1,635
KONIAG INC.	155	78		6		239
NANA REGIONAL CORP.	92	8	11		3	114
SEALASKA CORP.	770	9	47	33	10	869
OUTSIDE ALASKA	38	2	4	1	62	107
TOTAL	7,553	506	1,430	250	181	9,920

TABLE 1.21 RESIDENT BIRTHS BY RACE OF MOTHER AND BY BIRTH ATTENDANT TYPE, ALASKA, 1998

		AT	TENDANT TY	PE		
			CERTIFIED			
MOTHER'S		DOCTOR OF	NURSE		OTHER/	
RACE	DOCTOR	OSTEOPATHY	MIDWIFE	MIDWIFE	UNKNOWN	TOTAL
WHITE	4,998	368	932	227	104	6,629
NATIVE	1,892	67	369	18	68	2,414
AFR/AM	280	33	77		5	395
ASIAN/PI	383	38	52	5	4	482
TOTAL	7,553	506	1,430	250	181	9,920

GESTATION

Tables 1.22A, 1.22B, 1.22C, and 1.22D show numbers and percentages of pre-term (less than 37 weeks gestation, term (37-41 weeks gestation), and post-term (more than 41 weeks gestation) for the years 1994-1998. Please note that these tables include only single births; multiple births are excluded from these tables.

TABLE 1.22A PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES FOR SINGLE BIRTHS BY MOTHER'S CENSUS AREA, ALASKA, 1994-1998

CENSUS AREA OF	PRE-J	ERM	TE	RM	POST-	TERM	UNKN	IOWN	
MOTHER'S									
RESIDENCE	No.	%	No.	%	No.	%	No.	%	TOTAL
ALEUTN EAST	8	6.8	101	86.3	8	6.8			117
ALEUTN WEST	16	8.1	169	85.4	12	6.1	1	0.5	198
ANCHORAGE	1,651	7.9	18,113	86.5	1,155	5.5	29	0.1	20,948
BETHEL	251	12.7	1,606	81.1	122	6.2	2	0.1	1,981
BRISTOL BAY	8	8.1	84	84.8	7	7.1			99
DENALI	6	5.3	98	86.0	10	8.8			114
DILLINGHAM	61	11.3	436	80.7	41	7.6	2	0.4	540
FAIRBANKS	551	7.7	5,887	81.9	737	10.3	10	0.1	7,185
HAINES	8	8.5	76	80.9	10	10.6			94
JUNEAU	168	8.6	1,574	80.5	213	10.9			1,955
KENAI PEN	256	7.8	2,684	82.0	320	9.8	12	0.4	3,272
KETCHIKAN	52	5.3	849	86.1	85	8.6			986
KODIAK	124	9.5	1,073	82.2	107	8.2	1	0.1	1,305
LAKE-PENIN	13	7.5	149	85.6	12	6.9			174
MAT-SU	254	7.3	3,013	86.8	200	5.8	4	0.1	3,471
NOME	131	13.2	797	80.5	59	6.0	3	0.3	990
NORTH SLOPE	83	12.7	508	77.9	60	9.2	1	0.2	652
NW ARCTIC	77	9.9	656	84.4	43	5.5	1	0.1	777
PRINCE-WALES	22	4.8	390	85.9	37	8.1	5	1.1	454
SITKA	40	6.9	476	82.5	61	10.6			577
SKG-HNH-ANG	9	5.6	126	78.3	26	16.1			161
SE FAIRBANKS	35	6.7	436	83.4	52	9.9			523
VALDEZ-CORDV	43	6.5	569	86.1	48	7.3	1	0.2	661
WADE HAMPTON	155	14.7	843	79.8	57	5.4	1	0.1	1,056
WRANGELL-PBG	17	4.1	344	82.9	54	13.0			415
YAKUTAT	1	2.1	45	95.7	1	2.1			47
YUKON-KOY	51	10.2	402	80.7	45	9.0			498
UNKNOWN			2	100.0					2
TOTAL	4,091	8.3	41,506	84.3	3,582	7.3	73	0.1	49,252

TABLE 1.22B PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES FOR SINGLE BIRTHS BY MOTHER'S NATIVE REGIONAL CORPORATION, ALASKA, 1994-1998

NATIVE REGIONAL	PRE-T	ERM	TE	RM	POST-	TERM	UNKN	IOWN	
CORPORATION OF MOTHER'S RESIDENCE	No.	%	No.	%	No.	%	No.	%	TOTAL
AHTNA INC.	13	5.8	199	89.2	11	4.9			223
ALEUT CORP.	24	7.6	270	85.7	20	6.3	1	0.3	315
ARCTIC SLOPE CORP.	83	12.7	508	77.9	60	9.2	1	0.2	652
BERING STRAITS CORP	131	13.2	797	80.5	59	6.0	3	0.3	990
BRISTOL BAY CORP.	81	10.2	654	82.3	58	7.3	2	0.3	795
CALISTA CORP.	406	13.4	2,449	80.6	179	5.9	3	0.1	3,037
CHUGACH NATIVES INC	54	7.3	634	85.2	55	7.4	1	0.1	744
COOK INLET REG CORP	2,138	7.8	23,568	86.0	1,659	6.1	45	0.2	27,410
DOYON LTD.	643	7.7	6,816	82.0	844	10.2	10	0.1	8,313
KONIAG INC.	124	9.5	1,073	82.2	107	8.2	1	0.1	1,305
NANA REGIONAL CORP.	77	9.9	656	84.4	43	5.5	1	0.1	777
SEALASKA CORP.	317	6.8	3,880	82.7	487	10.4	5	0.1	4,689
UNKNOWN			2	100.0					2
TOTAL	4,091	8.3	41,506	84.3	3,582	7.3	73	0.1	49,252

TABLE 1.22C PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES FOR SINGLE BIRTHS BY MOTHER'S RACE, ALASKA, 1994-1998

MOTHER'S	PRE-T	ERM	TE	RM	POST-	TERM	UNKN	IOWN	
RACE	No.	%	No.	%	No.	%	No.	%	TOTAL
WHITE	2,266	6.8	28,331	85.4	2,515	7.6	48	0.1	33,160
NATIVE	1,374	11.9	9,361	81.1	790	6.8	13	0.1	11,538
AFRICAN/AM	252	11.7	1,752	81.6	139	6.5	4	0.2	2,147
ASIAN/PI	197	8.3	2,032	85.8	136	5.7	4	0.2	2,369
UNKNOWN	2	5.3	30	78.9	2	5.3	4	10.5	38
TOTAL	4.091	8.3	41.506	84.3	3.582	7.3	73	0.1	49,252

TABLE 1.22D PRE-TERM, TERM, AND POST-TERM BIRTHS AND PERCENTAGES FOR SINGLE BIRTHS BY MOTHER'S AGE, ALASKA, 1994-1998

MOTHER'S	PRE-TERM		TE	RM	POST-	TERM	UNKN	OWN	
AGE	No.	%	No.	%	No.	%	No.	%	TOTAL
<20	808	10.0	6,591	81.7	648	8.0	19	0.2	8,066
20-30	2,059	7.7	22,490	84.5	2,043	7.7	27	0.1	26,619
30-40	1,152	8.3	11,804	85.3	853	6.2	22	0.2	13,831
40+	70	9.8	601	84.3	38	5.3	4	0.6	713
UNK	2	8.7	20	87.0			1	4.3	23
TOTAL	4,091	8.3	41,506	84.3	3,582	7.3	73	0.1	49,252

BIRTH WEIGHT

Tables 1.23A, 1.23B, and 1.23C show numbers of births by birth weight. Table 1.23A shows birth weight by census area, Table 1.23B shows birth weight by Native regional corporation, and Table 1.23C shows birth weight by mother's race. Infants weighing less than 2,500 grams (5 pounds 8 ounces) are defined as low birth weight babies.

Infants weighing less than 1,500 grams (3 pounds, 5 ounces) are considered very low birth weight. The National Center for Health Statistics is concerned with low birth weight rates because low birth weight infants are at much greater risk of mortality and long-term disability.⁹

TABLE 1.23A RESIDENT BIRTHS BY CENSUS AREA OF MOTHER'S RESIDENCE AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1998

	BIRTH WEIGHT IN GRAMS										
CENSUS AREA OF		750-	1500-	2500-	3000-	3500-					
MOTHER'S RESIDENCE	<750	1499	2499	2999	3499	4499	4500+	UNKN	TOTAL		
ALEUTIANS EAST			1	1	6	9			17		
ALEUTIANS WEST	1		2	6	15	19			43		
ANCHORAGE	11	56	207	543	1,457	1,806	96	6	4,182		
BETHEL		3	16	30	115	229	16		409		
BRISTOL BAY		1		1	9	5	1		17		
DENALI			1	2	9	6	1		19		
DILLINGHAM	1	1	5	11	28	55	4	1	106		
FAIRBANKS NSB	2	18	70	176	472	659	35	7	1,439		
HAINES BOROUGH					5	12	1	3	21		
JUNEAU BOROUGH	1	2	14	54	113	197	13		394		
KENAI PENINSULA		3	36	86	229	277	20	2	653		
KETCHIKAN			3	27	63	90	7		190		
KODIAK ISLAND	1	1	13	32	79	125	8	1	260		
LAKE-PENINSULA			2	1	7	15	2		27		
MATANUSKA-SUSITNA	1	8	31	93	200	354	17	3	707		
NOME		3	9	16	64	102	8	5	207		
NORTH SLOPE		1	10	20	47	65	3		146		
NORTHWEST ARCTIC		2	6	17	62	87	7		181		
PRINCE OF WALES		1	2	10	34	42	4	1	94		
SITKA BOROUGH		2	5	10	29	56	4		106		
SKGWAY-HOONAH-ANG				2	12	18			32		
SE FAIRBANKS			6	10	26	60	3	1	106		
VALDEZ-CORDOVA			10	12	43	65	3		133		
WADE HAMPTON		3	10	14	69	119	7		222		
WRANGELL-PETERSBG			1	13	27	53	1		95		
YAKUTAT					3				3		
YUKON-KOYUKUK			7	11	39	47	5	2	111		
TOTAL	18	105	467	1,198	3,262	4,572	266	32	9,920		

Page 42 1998 Annual Report

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

TABLE 1.23B RESIDENT BIRTHS BY NATIVE REGIONAL CORPORATION OF MOTHER'S RESIDENCE AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1998

NATIVE REGIONAL			BIRTE	WEIG	HT IN G	RAMS			
CORPORATION OF		750-	1500-	2500-	3000-	3500-			
MOTHER'S RESIDENCE	<750	1499	2499	2999	3499	4499	4500+	UNKN	TOTAL
AHTNA INC.			6	4	15	20	2		47
ALEUT CORP.	1		3	7	21	28			60
ARCTIC SLOPE CORP.		1	10	20	47	65	3		146
BERING STRAITS CORP.		3	9	16	64	102	8	5	207
BRISTOL BAY CORP.	1	2	7	13	44	74	6	1	148
CALISTA CORP.		6	26	44	184	348	23		631
CHUGACH NATIVES INC.		1	14	18	51	98	4	1	187
COOK INLET REG CORP.	12	66	264	712	1,863	2,385	132	10	5,444
DOYON LTD.	2	18	84	199	546	772	43	10	1,674
KONIAG INC.	1	1	13	32	79	125	8	1	260
NANA REGIONAL CORP.		2	6	17	62	87	7		181
SEALASKA CORP.	1	5	25	116	286	468	30	4	935
TOTAL	18	105	467	1,198	3,262	4,572	266	32	9,920

TABLE 1.23C RESIDENT BIRTHS BY RACE OF MOTHER AND BY BIRTH WEIGHT OF CHILD, ALASKA, 1998

			BIRTH	WEIGH	HT IN G	RAMS			
MOTHER'S RACE	<750	750- 1499	1500- 2499	2500- 2999	3000- 3499	3500- 4499	4500 +	UNKN	TOTAL
WHITE	9	69	289	821	2,197	3,051	173	20	6,629
NATIVE	3	23	121	223	732	1,222	80	10	2,414
AFR/AM	3	10	28	70	160	121	2	1	395
ASIAN/PI	3	3	29	84	173	178	11	1	482
TOTAL	18	105	467	1,198	3,262	4,572	266	32	9,920

LOW BIRTH WEIGHT PERCENTAGES

In Alaska, low birth weight percentages are calculated for a five-year period to reduce the possibility of year-to-year random variation. From 1994 through 1998, 5.6 percent of all Alaska resident births resulted in low birth weight babies. During 1998 the U.S. low birth weight percentage was 7.6 percent.¹⁰ Of all multiple birth infants from 1994-1998 (i.e. twins, etc.), 51.8 percent were characterized by low birth weight.

Tables 1.24A and 1.24B show the number and percent of very low birth weight infants (less than 1500 grams), the number and percent of low birth weight infants (from 1500 to 2499 grams), the number and percent of infants 2500 grams and over, and the number and percent of births where the birth weight is unknown. Note that the total shows that 94.1 percent of all births fall in the 2500+ gram category.

¹⁰ National Center for Health Statistics, U.S. Department of Health and Human Services, "Births and Deaths: Preliminary Data for 1998," National Vital Statistics Report, Vol. 47, No. 25, October 5, 1999, p. 4.

TABLE 1.24A BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S CENSUS AREA, ALASKA, 1994-1998

		CH.	LD'S BI	RTH W	EIGHT	IN GRA	MS		
CENSUS AREA OF	<15	500	1500-	2499	250	0+	UN	KN	
MOTHER'S RESIDENCE	No.	%	No.	%	No.	%	No.	%	TOTAL
ALEUTIANS EAST			7	5.6	118	94.4			125
ALEUTIANS WEST	4	1.6	12	4.9	226	93.0	1	0.4	243
ANCHORAGE	266	1.2	1,060	4.9	20,178	93.6	55	0.3	21,559
BETHEL	16	0.8	72	3.6	1,914	95.5	3	0.1	2,005
BRISTOL BAY	1	1.0	3	2.9	99	96.1			103
DENALI	1	0.8	4	3.3	115	95.8			120
DILLINGHAM	12	2.2	24	4.4	512	92.9	3	0.5	551
FAIRBANKS NSB	75	1.0	316	4.3	6,945	94.5	15	0.2	7,351
HAINES BOROUGH			5	4.1	92	76.0	24	19.8	121
JUNEAU BOROUGH	14	0.7	88	4.3	1,941	95.0	1		2,044
KENAI PENINSULA	24	0.7	160	4.8	3,161	94.3	6	0.2	3,351
KETCHIKAN	11	1.0	27	2.6	1,015	96.3	1	0.1	1,054
KODIAK ISLAND	13	1.0	64	4.8	1,256	93.8	6	0.4	1,339
LAKE-PENINSULA	1	0.6	5	2.8	171	96.6			177
MATANUSKA-SUSITNA	42	1.2	169	4.7	3,357	93.9	7	0.2	3,575
NOME	17	1.7	41	4.0	957	93.6	7	0.7	1,022
NORTH SLOPE	5	0.7	28	4.0	659	95.1	1	0.1	693
NORTHWEST ARCTIC	11	1.3	39	4.8	768	93.9			818
PRINCE OF WALES	4	0.8	20	4.2	452	94.2	4	0.8	480
SITKA BOROUGH	3	0.5	19	3.2	575	96.0	2	0.3	599
SKGWAY-HOONAH-ANG			1	0.6	164	93.2	11	6.3	176
SE FAIRBANKS	4	0.7	26	4.8	506	94.1	2	0.4	538
VALDEZ-CORDOVA	4	0.6	37	5.4	637	93.8	1	0.1	679
WADE HAMPTON	5	0.5	49	4.5	1,034	95.0			1,088
WRANGELL-PETERSBG	2	0.4	13	2.8	447	96.8			462
YAKUTAT			1	2.0	49	98.0			50
YUKON-KOYUKUK	4	0.8	20	3.9	485	94.9	2	0.4	511
UNKNOWN					2	100.0			2
TOTAL	539	1.1	2,310	4.5	47,835	94.1	152	0.3	50,836

Page 44 1998 Annual Report

TABLE 1.24B BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S NATIVE REGIONAL CORPORATION, ALASKA, 1994-1998

NATIVE REGIONAL		СН	LD'S B	RTH W	EIGHT	IN GRA	MS		
CORPORATION OF	<15	500	1500-	2499	250	00+	UN	KN	
MOTHER'S RESIDENCE	No.	%	No.	%	No.	%	No.	%	TOTAL
AHTNA INC.			12	5.2	219	94.4	1	0.4	232
ALEUT CORP.	4	1.1	19	5.2	344	93.5	1	0.3	368
ARCTIC SLOPE CORP.	5	0.7	28	4.0	659	95.1	1	0.1	693
BERING STRAITS CORP.	17	1.7	41	4.0	957	93.6	7	0.7	1,022
BRISTOL BAY CORP.	14	1.7	32	3.9	764	94.0	3	0.4	813
CALISTA CORP.	21	0.7	121	3.9	2,948	95.3	3	0.1	3,093
CHUGACH NATIVES INC.	5	0.7	44	5.8	715	93.5	1	0.1	765
COOK INLET REG CORP.	331	1.2	1,370	4.9	26,426	93.7	67	0.2	28,194
DOYON LTD.	84	1.0	366	4.3	8,042	94.5	19	0.2	8,511
KONIAG INC.	13	1.0	64	4.8	1,256	93.8	6	0.4	1,339
NANA REGIONAL CORP.	11	1.3	39	4.8	768	93.9			818
SEALASKA CORP.	34	0.7	174	3.5	4,735	95.0	43	0.9	4,986
UNKNOWN					2	100.0			2
TOTAL	539	1.1	2,310	4.5	47,835	94.1	152	0.3	50,836

TABLE 1.24C BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S RACE, ALASKA, 1994-1998

		CHILD'S BIRTH WEIGHT IN GRAMS												
MOTHER'S	<15	500	1500-	2499	250	00+	UNKN							
RACE	No.	%	No.	%	No.	%	No.	%	TOTAL					
WHITE	325	0.9	1,448	4.2	32,420	94.5	102	0.3	34,295					
NATIVE	129	1.1	534	4.5	11,169	94.1	37	0.3	11,869					
AFR/AM	62	2.8	192	8.6	1,973	88.4	4	0.2	2,231					
ASIAN/PI	23	0.9	136	5.6	2,273	93.1	9	0.4	2,441					
TOTAL	539	1.1	2,310	4.5	47,835	94.1	152	0.3	50,836					

TABLE 1.24D BIRTH WEIGHTS AND PERCENTAGES BY MOTHER'S AGE, ALASKA, 1994-1998

		CHILD'S BIRTH WEIGHT IN GRAMS												
MOTHER'S	<1500		1500-2499		250	0+	UNKN							
AGE	No.	%	No.	%	No.	%	No.	%	TOTAL					
<20 YRS	63	1.1	299	5.2	5,333	93.3	21	0.4	5,716					
29-29 YRS	261	1.0	1,180	4.3	25,933	94.5	70	0.3	27,444					
30-39 YRS	197	1.2	759	4.6	15,408	93.9	51	0.3	16,415					
40+ YRS	18	1.5	67	5.4	1,144	92.6	6	0.5	1,235					
UNKNOWN			5	19.2	17	65.4	4	15.4	26					
TOTAL	539	1.1	2,310	4.5	47,835	94.1	152	0.3	50,836					

Charts 1.8 through 1.10D show pregnancy and birth characteristics for births from 1990 through 1998 for three demographic groups: 1) teens (all mothers under 20 years of age); 2) unmarried mothers age 20 and older; and 3) married mothers age 20 and older.

CHART 1.8 PERCENTAGE OF LOW BIRTH WEIGHT INFANTS FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998

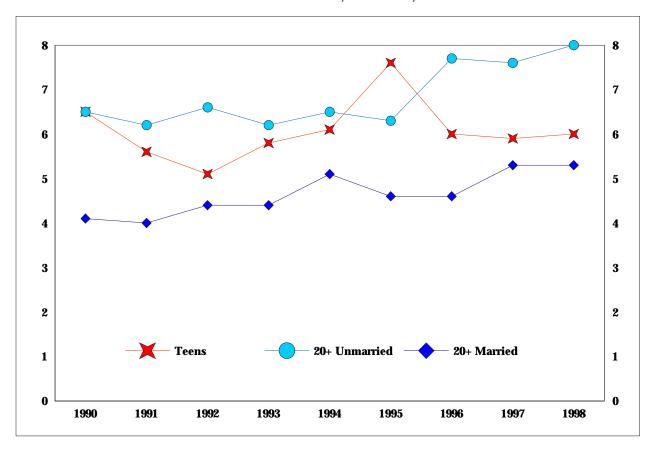


Chart 1.8 shows the percentage of low birth weight infants, by year, born to teens, unmarried mothers 20 and older, and married mothers 20 and older. Married mothers age 20 and over consistently have a lower percentage of low birth weight infants than either unmarried mothers age 20 and over and teen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

OTHER DEMOGRAPHIC COMPARISONS

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

Page 46 1998 Annual Report

CHART 1.9 PERCENTAGE OF PRETERM INFANTS FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998

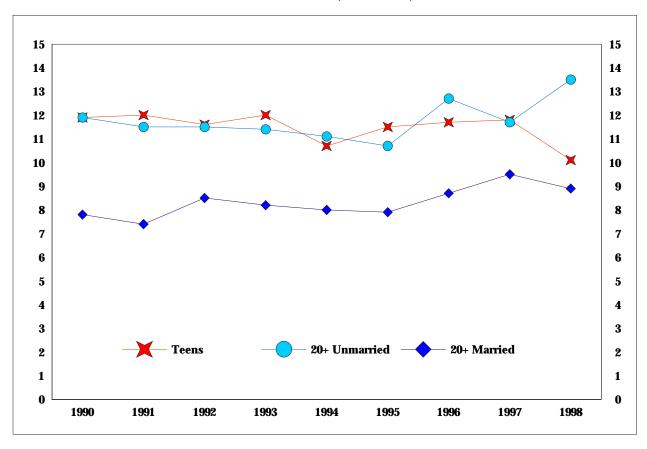


CHART 1.10A PERCENTAGE OF MOTHERS GAINING LESS THAN 25 POUNDS FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998

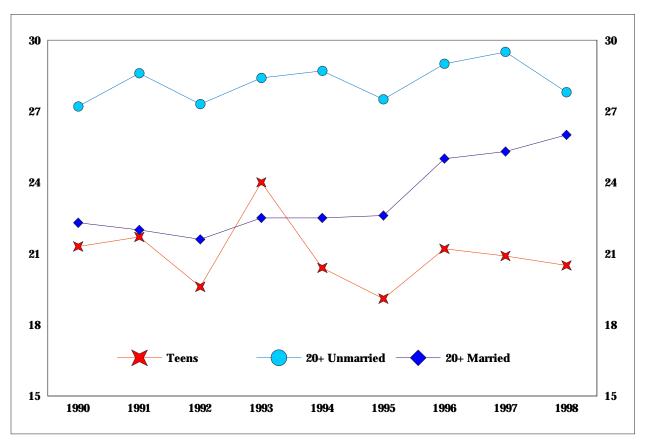


Chart 1.10A shows the percentage of mothers who gained less than 25 pounds during pregnancy. The total weight gained by the mother during pregnancy has been shown to have an independent, positive relationship with the birth weight of the newborn. Chart 1.10A shows that single mothers age 20 and older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

11 Ibid., p. 9.

Page 48 1998 Annual Report

CHART 1.10B PERCENTAGE OF MOTHERS RECEIVING LESS THAN
ADEQUATE PRENATAL CARE FOR TEENS, UNMARRIED
MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND
OVER, ALASKA, 1990-1998

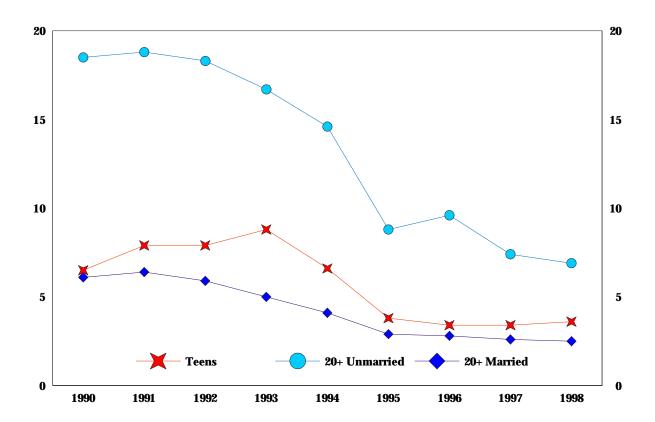


Chart 1.10B shows the percentage of mothers who received less than adequate prenatal care. Teens and unmarried mothers age 20 and older were more likely to receive less than adequate prenatal care than married mothers age 20 and older. In all groups there was a decrease in the percentage of mothers who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

CHART 1.10C PERCENTAGE OF MOTHERS USING TOBACCO FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998

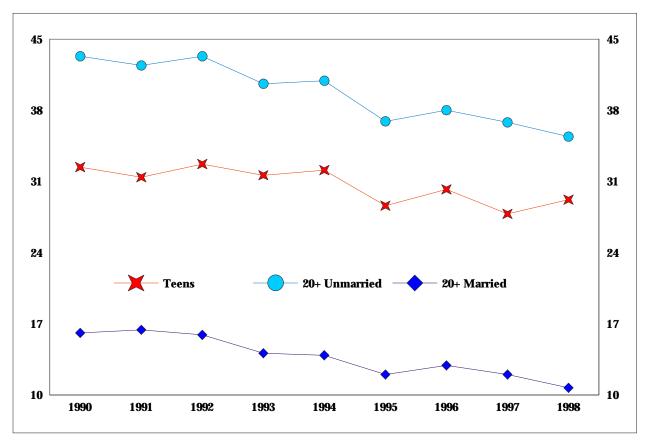


Chart 1.10C shows the percentage of mothers who report using tobacco during their pregnancy. Unmarried women age 20 and older have a significantly higher rate of tobacco use than teen mothers who, in turn, have a significantly higher rate of tobacco use than married mothers age 20 and older. This chart does show a general decline in the reported use of tobacco for these three groups from 1990 to 1998. Maternal smoking contributes to low birth weight, perinatal morbidity, mortality and Sudden Infant Death Syndrome (SIDS), and persistent deficits in learning and behavior. ¹²

Page 50 1998 Annual Report

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

CHART 1.10D PERCENTAGE OF MOTHERS USING ALCOHOL FOR TEENS, UNMARRIED MOTHERS 20 AND OVER, AND MARRIED MOTHERS 20 AND OVER, ALASKA, 1990-1998

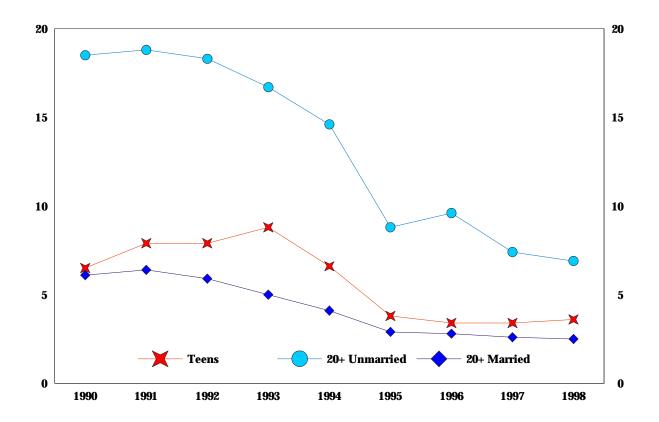


Chart 1.10D shows the percentage of mothers who reported using alcohol during pregnancy. The most severe adverse effect of excessive drinking is Fetal Alcohol Syndrome (FAS) which results in disorders such as mental retardation. The highest rate of reported alcohol use during pregnancy is among unmarried mothers age 20 and older, although all groups have shown a significant decrease in reported use of alcohol from 1990 to 1998.

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

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APPENDIX A: DEFINITION OF TERMS

Age-Adjusted Birth Rate. A summary of age-specific birth rates standardized to one age distribution (usually 1940 standard million 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-Adjusted Death Rate. A summary of age-specific death rates standardized to one age distribution (usually 1940 standard million 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 Birth Rate. The number of live births for a specific age group divided by the population for the same specific age group, multiplied by a constant of proportionality (usually 1,000).

Age-Specific Death Rate. The number of deaths for a specific age group divided by the population for the same specific age group, multiplied by a constant of proportionality (usually 100,000).

Birth Cohort Infant Mortality Rate. The birth cohort method of calculating the infant mortality tracks all infants born within a calendar year throughout their first year of life. When calculating 1995 infant mortality, all infants who were born during 1995 and died prior to their first birthday, whether in 1995 or in 1996, are counted in the birth cohort. In this report, birth cohort has been calculated for infants born in 1995, since data on deaths is complete only through 1996. (See also Death Cohort Infant Mortality Rate.)

Birth Weight. Weight of the infant when born, usually reported in grams.

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 - Ninth 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.

Cause Specific Death Rate. The number of deaths due to a specific cause of death divided by the estimated total population, multiplied by a constant of proportionality (usually 100,000).

Constant of Proportionality. An arbitrary 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 Birth Rate. The number of live births divided by the estimated population, multiplied by a constant of proportionality (usually 1,000).

Crude Death Rate. The number of deaths divided by the estimated population, multiplied by a constant of proportionality (usually 100,000).

Crude Divorce Rate. The number of divorces of all types (divorces, dissolutions, and annulments) divided by the estimated population, multiplied by a constant of proportionality (usually 1,000).

Crude Marriage Rate. The number of marriages divided by the estimated population, multiplied by a constant of proportionality (usually 1,000).

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 1996, divide the number of infant deaths that occurred in 1996 by the number of live births that occurred during 1996, 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 1996 when the infant was actually born in 1995. Other deaths to infants born in 1996 who died before their first birthday in 1997 will not be counted. Since the death cohort method of calculating infant mortality does not reflect the number of infant deaths experienced by infants born in a given year, the birth cohort is the preferred calculation method.

Expectation of Life. Expectation of life (life expectancy) is the number of years infants born in a specific year can expect to live if they experience the same age-specific death rates experienced during their birth year. (See Appendix B for explanation of calculation.)

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-9. *International Classification of Diseases - Ninth Revision*. The official classification system which codifies all diseases and injuries. ICD-9 has been in use since 1979. All deaths previous to 1979 were coded using ICD-8. (Refer to Appendix C.)

Infant Deaths. Number of infants who died before their first birthday.

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). There are two ways of calculating the IMR: birth cohort and death cohort. The infant mortality rate is the same as the sum of the neonatal infant mortality rate and the post-neonatal infant mortality rate.

Life Expectancy. See Expectation of Life.

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 place of 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."

Low Birth Weight Percentage. The number of infants born weighing less than 2,500 grams divided by the number of live births, multiplied by 100. In this report, low birth weight percentages are calculated for a five-year period (1992-1996).

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 exceeds 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 post-neonatal mortality rate is the infant mortality rate.

Perinatal Period. The period of time from the 28th week of gestation up to the 28th day after birth.

Post-neonatal Infant Mortality Rate. The number of deaths to infants from 28 days to 1 year 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 post-neonatal mortality rate is the infant mortality rate.

Puerperium. The period after delivery of placenta, which extends until the organs of reproduction have returned to normal, usually 6 to 8 weeks.

Race of Child. First reported race of mother is 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. See Appendix E for more detailed information.

Page 126 1998 Annual Report

Race/Sex-Specific Death Rate. The number of deaths for a specific race and sex group, divided by the population for the same specific race and sex group, multiplied by a constant of proportionality (usually 100,000).

Race-Specific Death Rate. The number of deaths for a specific racial group divided by the population for the same specific racial group, multiplied by a constant of proportionality (usually 100,000).

Ratio. A ratio is a comparative statistic calculated by dividing the number of events experienced by one group by the number of events experienced by a comparable group (i.e., males to females).

Residence. See "Location of Residence."

Sex-Specific Death Rate. The number of deaths for a specific sex (male or female) divided by the population for the same sex, multiplied by a constant of proportionality (usually 100,000).

Standard Million Population. The 1940 standard one million population is used in this publication whenever age-adjusting occurs. It is as follows.

TABLE A.1 STANDARD MILLION POPULATION

AGE	POPULATION
Under 1 year	15,343
1-4 years	64,718
5-14 years	170,355
15-24 years	181,677
25-34 years	162,066
35-44 years	139,237
45-54 years	117,811
55-64 years	80,294
65-74 years	48,426
75-84 years	17,303
85 & over	2,770
Total	1,000,000

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 Life Lost. For all deaths occurring before age 65, the difference between 65 (assumed productive life span) and the age at death; sometimes referred to as "years of productive life lost). For calculation of years of life lost, see Appendix B.

APPENDIX B: TECHNICAL NOTES

HOW TO USE VITAL STATISTICS

Vital Events

Vital events registered with the Bureau of Vital Statistics 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 G.) Vital events do not include fetal deaths prior to the 20th week of gestation; living arrangements not formalized through adoption, marriage or divorce; or illnesses which do not result in death.

Reliability of the Data

Reliability of information 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.

Counting Number of Events

The most basic data available is the number of events. In any analysis, the most pertinent information must be determined and the limitations of that information must be identified. For instance, if you wanted to predict public school kindergarten enrollment, the most pertinent vital event data would be the number of live births in the period which qualifies children for enrollment. You would want to count only resident births for the geographic area of the appropriate schools. You would also want to consider limitations of this data, such as effects of infant and preschool mortality (this information can be obtained from death data), in-migration and out-migration, and alternatives to public school enrollment.

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 *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 0.0166666 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 births per 1,000 population. The birth rate for Juneau would be 0.0166666*1,000 or 16.6666 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 total population. A more meaningful comparison would be to include in the population only women of child-bearing ages (15-44 years of age). We call this the *fertility rate*. This allows us to compare populations with different ratios of females of child-bearing ages. Let's assume that the number of women ages 15-44 in Anchorage is 66,500 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 child-bearing age. The Juneau fertility rate would be (500/7300)*1000 or 68.5 births for every 1,000 women of child-bearing 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 (66500/280000 or .2375) is lower than in Juneau (7300/30000 or .243333).

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 erroneous conclusions. For instance, in this report we calculate death rates per 100,000 population. If the National Center for Health Statistics (NCHS) reported deaths per 1,000 population, we would have to convert NCHS rates to 100,000 population for a valid comparison.

Small Populations and 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. Two methods are used in this report to provide greater reliability: moving averages and confidence intervals. (For an explanation of each method, see "Vital Statistics Formulas" in Appendix B.

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, "X" population which has a relatively high proportion of young people, generally will experience a lower crude death rate than "Y" population which is made up of a relatively high percentage of elderly. 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 million population based on the decennial U.S. Census of 1940. (See Standard Million Population in Appendix A.)

age-adjusted death rate = $\hat{\mathbf{A}} m_a (P_a /_{p_1})$

where: Σ 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

Confidence Intervals

In this report, confidence intervals are used to provide a range within which the true rate will fall with a probability of 95%. The size of the range is determined by the number of occurrences, the base population, and the standard error.

Using teen birth rate by census area as an example, refer to Chart 1.2B:

Page 130 1998 Annual Report

3-year births to teens ages 15-19 in 1995-1997 = 3,326 (b)

3-year annual female teen population in 1995-1997 = 63,687 (p)

Annual teen birth rate per 1.000 female teens = (3.326/63.687)*1.000 = 52.2 (R)

We can say, then, that there is a 95% probability that the interval from 50.4 to 54.0 contains the true teen birth rate for the State of Alaska for the period 1995-1997.

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 experienced during their birth year. Table B.1 illustrates the calculation of life expectancy for all Alaskans based on data from a five year period.

TABLE B.1 EXPECTATION OF LIFE FOR ALL ALASKANS, 1993-1997

	COLUMN IDENTIFICATION AND DESCRIPTION									
	A	В	С	D	E	F	G	Н	I	J
						NO. LIVING				YEARS LEFT
						AT	NO.	NUMBER		AT
				PROPORTION	PROPORTION	BEGINNING	DYING	LIVING IN		BEGINNING
AGE AT				DYING IN AGE	LIVING IN	OF AGE	IN AGE	AGE	CUM	OF AGE
DEATH	DTHS	POP	RATIO	GROUP	AGE GROUP	GROUP	GROUP	GROUP	POP	GROUP
<1	374	51,352	0.00728	0.00726	0.99274	100,000	726	99,383	7,473,532	74.7
1-4	109	216,450	0.00050	0.00201	0.99799	99,274	200	396,598	7,374,149	74.3
5-9	66	284,233	0.00023	0.00116	0.99884	99,075	115	495,086	6,977,551	70.4
10-14	83	267,657		0.00155	0.99845			,	6,482,465	
15-19	249	221,427			0.99439				5,988,050	
20-24	286				0.99153			,,,,,	5,495,403	
25-29	315	-,	0.00146		0.99275		706		5,006,221	51.4
30-34	419			0.00772	0.99228	96,714		,	4,520,884	
35-39	533	305,995		0100007	0.99133	95,967			4,039,180	
40-44	655		0.00223		0.98892	95,135	,		3,561,424	
45-49	733	240,645			0.98489				3,088,384	
50-54	734	164,067			0.97788		,		2,621,534	
55-59	827	108,302			0.96253	,	,	,	2,163,364	
60-64	963	74,369			0.93729	87,214	,	,	1,718,805	
65-69	1,202	57,484		0.09936					1,296,407	
70-74	1,399	43,005			0.84958				,	
75-79	1,283	27,048			0.78797	- ,		, , , , , , , , , , , , , , , , , , , ,	,	
80-84	1,154	14,524				· / /		,	,	
85+	1.436	8.815	0.16290	0.57880	0.42120	32,951	32,951	82.378	82.378	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 1 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

Moving Averages

Calculations of 3-year, 5-year, and 10-year moving averages are performed when single-year rates are not reliable. Often when small numbers are used for calculations, use of moving averages helps to smooth out rates which vary randomly from one period to another.

For example, single-year infant mortality rates are seldom good indicators of 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 Life Lost

Years of Life Lost (YLL), or Years of Productive Life Lost, is the difference between the standardized age of 65 and the age of a decedent who dies before age 65. For purposes of calculation, deaths are assumed to occur at the midpoint of a five-year age interval; i.e. a 41-year-old decedent is assumed to be 42.5 years or halfway between 40 and 45. A person dying at age 41 would be said to have 22.5 years of life lost (65-42.5). Years of 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:

$$YLL = \hat{A} 65 - mp$$

where YLL is Years of Life Lost

 Σ is sum of all decedents' years of productive life lost

65 represents years of productive life

mp is the mid-point of the decedent's 5-year age group

Page 132 1998 Annual Report

APPENDIX C: ICD9 CODES

GENERAL MORTALITY

When analyzing causes of death, *International Classification of Diseases - Ninth Edition* (ICD-9) codes are grouped according to certain logical categories. For purposes of comparing leading causes of death in Alaska with leading causes of death in the United States (Tables 5.7A through 5.10B), it is important to use the same groupings and definitions. On the other hand, when looking at specific problem areas in Alaska such as alcohol use and abuse, it is important to consider all types of death from alcohol. For that reason, ICD-9 code 425.5, alcoholic cardiomyopathy, is grouped with heart disease in Tables 5.7A through 5.10B, and with alcohol use/abuse in Tables 5.11A through 5.15.

Table C.1 lists all ICD-9 codes and shows how they are grouped. Please note that if any cause in a column does not appear in the specified set of tables, this indicates there were no deaths from that cause in the reporting period (e.g. measles).

TABLE C.1 ICD-9 CAUSE OF DEATH CODES FOR GENERAL MORTALITY

CAUSE OF DEATH	CAUSE OF DEATH (TABLES	CATIGE OF DEATEN (FABI EG (12 (15)	ICD 0 CODES
(TABLES 6.7A-6.10B ALL OTHER CAUSES	6.11A-6.11B) SHIGELLOSIS & AMEIASIS	CAUSE OF DEATH (TABLES 6.12-6.15) ALL OTHER CAUSES	ICD-9 CODES 004, 006
			010-018
	WHOOPING COUGH	ALL OTHER CAUSES	033
		ALL OTHER CAUSES	034-035
	THROAT, SCARLATINA &	ALL OTTIER CAUSES	034-033
	ERYSIPELAS		
	MENINGOCOCCAL INFECTION	ALL OTHER CAUSES	036
		SEPTICEMIA	038
	HIV INFECTION	HIV INFECTION	042-044
ALL OTHER CAUSES	ACUTE POLIOMYELITIS	ALL OTHER CAUSES	045
ALL OTHER CAUSES	MEASLES	ALL OTHER CAUSES	055
ALL OTHER CAUSES	VIRAL HEPATITIS	ALL OTHER CAUSES	070
ALL OTHER CAUSES	SYPHILIS	ALL OTHER CAUSES	090-097
CANCER	CANCER	CANCER: LIP, ORAL CAVITY & PHARYNX	140-149
CANCER	CANCER	CANCER: DIGESTIVE ORGANS & PERITONEUM	150-159
CANCER	CANCER	CANCER: RESPIRATORY & INTRATHORACIC	160-165
		ORGANS	
CANCER	CANCER	CANCER: OTHER & UNSPECIFIED SITES	170-173, 190-199
CANCER	CANCER	CANCER: BREAST	174-175
CANCER	CANCER	CANCER: GENITAL ORGANS	179-187
CANCER	CANCER	CANCER: URINARY ORGANS	188-189
CANCER	CANCER		200-203
		HEMATOPOIETIC TISSUES	
			204-208
	BENIGN NEOPLASMS		210-239
DIABETES MELLITUS		DIABETES MELLITUS	250
	NUTRITIONAL DEFICIENCIES		260-269
	ANEMIAS		280-285
ALL OTHER CAUSES	ALCOHOL USE/ABUSE		291, 303, 305.0, 357.5,
ALL OTHER CAUSES	MENINGITIS	ALL OTHER CAUSES	535.3, 790.3 320-322
	ALZHEIMER'S DISEASE		331.0
	HEART DISEASE		390-398
ILAKI DISEASE	ILAKI DISEASE	DISEASE	570-570
ALL OTHER CAUSES	HYPERTENSION	ALL OTHER CAUSES	401, 403

Continued →

TABLE C.1 (CONTINUED)

CAUSE OF DEATH (TABLES 6.7A-6.10B	CAUSE OF DEATH (TABLES 6.11A-6.11B)	CAUSE OF DEATH (TABLES 6.12-6.15)	ICD-9 CODES
HEART DISEASE	HEART DISEASE	HYPERTENSIVE HEART DISEASE	
HEART DISEASE		HYPERTENSIVE HEART & RENAL DISEASE	
HEART DISEASE	HEART DISEASE	ACUTE MYOCARDIAL INFARCTION	410
HEART DISEASE	HEART DISEASE	OTHER ACUTE & SUBACUTE FORMS OF ISCHEMIC HEART DISEASE	411
HEART DISEASE	HEART DISEASE	OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	412, 414
HEART DISEASE	HEART DISEASE	ANGINA PECTORIS	413
HEART DISEASE	HEART DISEASE	OTHER HEART DISEASE	415.0-425.4, 425.6-429.9
HEART DISEASE	ALCOHOL USE/ABUSE	ALCOHOL USE/ABUSE	425.5
CEREBROVASCULAR DISEASES	CEREBROVASCULAR DISEASES	CEREBROVASCULAR DISEASES	430-438
ALL OTHER CAUSES	ATHEROSCLEROSIS	ATHEROSCLEROSIS	440
ALL OTHER CAUSES	ACUTE BRONCHITIS &	ACUTE BRONCHITIS &	466
THE STREET STREET	BRONCHIOLITIS	BRONCHIOLITIS	
PNEUMONIA & INFLUENZA	PNEUMONIA & INFLUENZA	PNEUMONIA & INFLUENZA	480-487
CHRONIC OBSTRUCTIVE	CHRONIC OBSTRUCTIVE		490-491, 494-496
PULMONARY DISEASES	PULMONARY DISEASES	PULMONARY DISEASES	770-471, 474-470
CHRONIC OBSTRUCTIVE		EMPHYSEMA	492
PULMONARY DISEASES	PULMONARY DISEASES	EMFHISEMA	492
CHRONIC OBSTRUCTIVE	CHRONIC OBSTRUCTIVE	ASTHMA	493
		ASTHMA	493
PULMONARY DISEASES	PULMONARY DISEASES ULCER OF STOMACH & DUODENUM	ALL OTHER CALIGES	531-533
ALL OTHER CAUSES			
ALL OTHER CAUSES	APPENDICITIS		540-543
ALL OTHER CAUSES	HERNIA OF ABDOMINAL CAVITY OR INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	ALL OTHER CAUSES	550-553, 560
CHRONIC LIVER DISEASE & CIRRHOSIS	ALCOHOL USE/ABUSE	ALCOHOL USE/ABUSE	571.0-571.3
CHRONIC LIVER DISEASE & CIRRHOSIS	CHRONIC LIVER DISEASE & CIRRHOSIS	CHRONIC LIVER DISEASE & CIRRHOSIS	571.4-571.9
ALL OTHER CAUSES	DISORDERS OF GALLBLADDER	ALL OTHER CAUSES	574-575
ALL OTHER CAUSES	NEPHRITIS, NEPHROTIC SYNDROME		580-589
THE STREET STREET		SYNDROME & NEPHROSIS	
ALL OTHER CAUSES	INFECTIONS OF KIDNEY	ALL OTHER CAUSES	590
ALL OTHER CAUSES	HYPERPLASIA OF PROSTATE	ALL OTHER CAUSES	600
ALL OTHER CAUSES ALL OTHER CAUSES	PREGNANCY WITH ABORTIVE OUTCOME	ALL OTHER CAUSES	630-638
CONGENITAL ANOMALIES	CONGENITAL ANOMALIES	CONGENITAL ANOMALIES	740-759
PERINATAL PERIOD CONDITIONS		PERINATAL PERIOD CONDITIONS	
SIDS	SIDS	SIDS	798.0

Continued →

Page 134 1998 Annual Report

TABLE C.1 (CONTINUED)

CAUSE OF DEATH (TABLES CAUSE OF DEATH (TABLES CAUSE OF DEATH (TABLES						
6.7A-6.10B	6.11A-6.11B)	6.12-6.15)	ICD-9 CODES			
ALL OTHER CAUSES	ALL OTHER INTERNAL CAUSES	ALL OTHER CAUSÉS	001-003, 005, 007-009, 020-032, 037, 039-041, 046-054, 056-066, 071-088, 098-139, 240-249, 251-259, 270-279, 286-290, 292-302, 304, 305.1-319.9, 323-330, 331.1-357.4, 357.6-389.9, 399, 405-409, 439, 441-465, 467-479, 488-489, 497-530, 534.0-535.2, 535.4-539.9, 544-549, 554-559, 561-570, 572-573, 576-579, 591-599, 601-629, 640-739, 780.0-790.2, 790.4-797.9, 798.1-799.9			
ACCIDENTS & ADVERSE EFFECTS	OTHER ACCIDENTS	ALL OTHER ACCIDENTS & ADVERSE EFFECTS	E800-E809, E826-E858, E861-E949			
ACCIDENTS & ADVERSE EFFECTS	MOTOR VEHICLE ACCIDENTS	MOTOR VEHICLE ACCIDENTS	E810-E825			
ACCIDENTS & ADVERSE EFFECTS	ALCOHOL USE/ABUSE	ALCOHOL USE/ABUSE	E860			
SUICIDE	SUICIDES	SUICIDE	E950-E959			
HOMICIDE & LEGAL INTERVENTION		HOMICIDE & LEGAL INTERVENTION	E960-E978			
ALL OTHER CAUSES	ALL OTHER EXTERNAL CAUSES	ALL OTHER CAUSES	E980-E999			

E-CODES (ACCIDENTS, SUICIDES AND HOMICIDES)

The following descriptions are used for ICD-9 codes in the Child Deaths chapter and Tables 6.16A through 6.20 in the Death Chapter. Since the overwhelming majority of childhood deaths are due to accidents, suicides and homicides, the same categories are used in that chapter as in the section on external causes of death in the Death Chapter. Natural cause codes are not included in Death Chapter Tables 6.16A through 6.20.

TABLE C.2 ICD-9 CODES FOR CHILDHOOD DEATHS (TABLES 3.2C, 3.4A, AND 3.4B) AND EXTERNAL CAUSES (TABLES 6.16A-6.20)

MANNER OF DEATH	CAUSE OF DEATH	ICD-9 CODES
NATURAL CAUSE	CANCER	140-208 (Childhood Deaths only)
NATURAL CAUSE	BENIGN NEOPLASMS	238-239 (Childhood Deaths only)
NATURAL CAUSE	NERVOUS SYSTEM DISORDERS	320-359 (Childhood Deaths only)
NATURAL CAUSE	HEART DISEASE	390-429 (Childhood Deaths only)
NATURAL CAUSE	CONGENITAL ANOMALIES	740-759 (Childhood Deaths only)
NATURAL CAUSE	OTHER NATURAL CAUSES	001-139, 209-237, 240-319, 360-389, 430-739, 760-799 (Childhood
		Deaths only)
ACCIDENT	RAILWAY	E800-E807
ACCIDENT	MOTOR VEHICLE	E810-E825
ACCIDENT	OTHER ROAD VEHICLE	E826-E829
ACCIDENT	DROWNING	E830, E832, E910
ACCIDENT	WATER TRANSPORT	E831, E833-E838
ACCIDENT	AIR TRANSPORT	E840-E845
ACCIDENT	OTHER VEHICLE	E846-E848
ACCIDENT	POISONING	E850-E869
ACCIDENT	MEDICAL COMPLICATIONS	E870-E879, E930-E949
ACCIDENT	FALLS	E880-E888
ACCIDENT	FIRE/BURNS	E890-E899, E924
ACCIDENT	EXPOSURE	E900-E909
ACCIDENT	SUFFOCATION	E911-E913
ACCIDENT	FOREIGN BODY	E914-E915
ACCIDENT	FIREARMS	E922
ACCIDENT	OTHER ACCIDENTS	E808-E809, E839, E849, E889, E916-E921, E923, E925-E929
SUICIDE	POISONING	E950-E952
SUICIDE	STRANGULATION	E953
SUICIDE	DROWNING	E954
SUICIDE	FIREARMS	E955
SUICIDE	CUTTING/PIERCING	E956
SUICIDE	OTHER SUICIDES	E957-E959
HOMICIDE	FIGHT/RAPE	E960
HOMICIDE	POISONING	E962
HOMICIDE	STRANGULATION	E963
HOMICIDE	DROWNING	E964
HOMICIDE	FIREARMS	E965, E970-E971
HOMICIDE	CUTTING/PIERCING	E966, E974
HOMICIDE	CHILD BATTERING	E967
HOMICIDE	OTHER HOMICIDES	E961, E968-E969
HOMICIDE	OTHER LEGAL INTERVENTION	E972-E973, E975-E978
OTHER	POISONING	E980-E982
OTHER	STRANGULATION	E983
OTHER	DROWNING	E984
OTHER	FIREARMS	E985
OTHER	OTHER EXTERNAL CAUSES	E986-E999

Page 136 1998 Annual Report

INFANT MORTALITY

Table C.3 lists ICD-9 codes and shows how they are grouped in Infant Death Tables 2.7-2.8.

TABLE C.3 ICD-9 CAUSE OF DEATH CODES FOR INFANT MORTALITY

INFANT DEATHS (TABLES 2.7-2.8)	ICD-9 CODES
WHOOPING COUGH	033
MENINGOCOCCAL INFECTION	036
SEPTICEMIA	038
VIRAL DISEASES	045-079
CONGENITAL SYPHILIS	090
CANCER	140-208
BENIGN NEOPLASMS	210-239
THYMUS GLAND DISEASES	254
CYSTIC FIBROSIS	277.0
BLOOD AND BLOOD-FORMING ORGAN DISEASES	280-289
MENINGITIS	320-322
ACUTE UPPER RESPIRATORY INFECTIONS	460-465
BRONCHITIS AND BRONCHIOLITIS	466, 490-491
PNEUMONIA & INFLUENZA	480-487
GASTRITIS, DUODENITIS, AND NONINFECTIVE ENTERITIS	535, 555-558
AND COLITIS	555, 555-556
HERNIA OF ABDOMINAL CAVITY AND INTESTINAL	550-553, 560
OBSTRUCTIONS	550-555, 500
CONGENITAL ANOMALIES	740-759
MATERNAL CONDITIONS (UNRELATED TO PRESENT	740-739 760
	/00
PREGNANCY) MATERNAL COMPLICATIONS OF PREGNANCY	761
	762
PLACENTA, CORD, AND MEMBRANE COMPLICATIONS	763
LABOR & DELIVERY: OTHER COMPLICATIONS SLOW FETAL GROWTH AND FETAL MALNUTRITION	763 764
SHORT GESTATION & LOW BIRTHWEIGHT RELATED	765
DISORDERS LONG GESTATION AND HIGH PURTHWEIGHT BELATED	700
LONG GESTATION AND HIGH BIRTHWEIGHT RELATED	766
DISORDERS	7.7
BIRTH TRAUMA	767
INTRAUTERINE HYPOXIA & BIRTH ASPHYXIA	768.2-768.9
RESPIRATORY DISTRESS SYNDROME	769
PERINATAL PERIOD INFECTIONS	771
NEONATAL HEMORRHAGE	772
HEMOLYTIC DISEASE OF NEWBORN	773-774
INFANT OF DIABETIC MOTHER AND NEONATAL DIABETES	775.0-775.1
MELLITUS HENORDIA GIG DIGE AGE OF NEWDODN	77.60
HEMORRHAGIC DISEASE OF NEWBORN	776.0
SIDS	798.0
ACCIDENTS & ADVERSE EFFECTS	E800-E949
HOMICIDE	E960-E969
ALL OTHER CAUSES	001-032, 034-035, 037, 039-044, 080-088, 091-139, 240-253, 255-276,
	277.1-279.9, 290-319, 323-459, 470-478, 492-534, 536-543, 561-739,
	768.0-768.1, 770, 775.2-775.9, 776.1-797.9, 798.1-799.9, E950-E959,
	E970-E999

APPENDIX D: PRENATAL CARE

Kessner Index

The classification of prenatal care as adequate, intermediate, or inadequate is derived from the Institute of Medicine's Three-Factor Prenatal Care Index. The classes of care are in accordance with recommendations for prenatal care set forth by the American College of Obstetricians and Gynecologists and the World Health Organization. This classification scheme accounts for length of gestation by requiring fewer prenatal visits for pregnancies with short gestation time. Records with missing information (i.e. last normal menstrual period, gestation weeks, number of visits, or month prenatal care began) are assigned to the inadequate prenatal care category.

The gestation weeks are calculated by subtracting the last menstrual date from the child's birth date. If the last menstrual date is missing from the birth record, the doctor's (or other medical professional's) estimate of gestation is used. The accuracy of the level of prenatal care is as reliable as the information provided by the mother and her caregiver.

The table below shows the Institute of Medicine's Three-Factor Prenatal Care Index.

TABLE D.1 KESSNER INDEX

	TRIMESTER CARE BEGAN AND/OR	
GESTATION	NUMBER OF PRENATAL VISITS	LEVEL OF CARE
<=13 Weeks	At least 1 visit	Adequate
	No prenatal visits	Intermediate
14-17 Weeks	1st trimester and at least 2 visits	Adequate
	1st or 2nd trimester and 1 visit	Intermediate
	No prenatal visits	
18-21 Weeks	1st trimester and at least 3 visits	Adequate
	1st or 2nd trimester and 1-2 visits	Intermediate
	No prenatal visits	
22-25 Weeks	1st trimester and at least 4 visits	Adequate
	1st or 2nd trimester and 2-3 visits	Intermediate
	3rd trimester or no more than 1 visit	Inadequate
26-29 Weeks	1st trimester and at least 5 visits	Adequate
	1st or 2nd trimester and 2-4 visits	Intermediate
	3rd trimester or no more than 1 visit	Inadequate
30-31 Weeks	1st trimester and at least 6 visits	Adequate
	1st or 2nd trimester and 3-5 visits	Intermediate
	3rd trimester or no more than 2 visits	Inadequate
32-33 Weeks	1st trimester and at least 7 visits	Adequate
	1st or 2nd trimester and 4-6 visits	Intermediate
	3rd trimester or no more than 3 visits	Inadequate
34-35 Weeks	1st trimester and at least 8 visits	Adequate
	1st or 2nd trimester and 5-7 visits	Intermediate
	3rd trimester or no more than 4 visits	Inadequate
=>36 Weeks	1st trimester and at least 9 visits	Adequate
	1st or 2nd trimester and 5-8 visits	Intermediate
	3rd trimester or no more than 4 visits	Inadequate

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

APPENDIX E: DETERMINATION OF CHILD'S RACE

NCHS STANDARDS

Beginning in 1989, the National Center for Health Statistics (NCHS) changed their standards for determining a child's race. Since that time, a child's race has been determined by the race of the mother as reported on the birth certificate. Following are NCHS guidelines for determining the child's race.

- If the mother is a mixture of Hawaiian and any other race, the child's race is recorded as **Hawaiian**.
- If the mother is a mixture of races other than Hawaiian, the child's race is the **first listed race** of the mother.
- If the mother's race is listed as "Col.", "N", "Negro", "Colored", "B", "Brown", "AA", or "Afro-American", the child's race is recorded as **African American**.
- If the mother's race is listed as Asian, Yellow, Oriental, or Mongolian, and the mother's birth place is given as China, Japan, the Phillipines, Hawaii, India, Korea, Vietnam, Samoa, or Guam, the child's race is recorded by the **country of the mother's birth**. If the birth place is not one of those places, the child's race is recorded as **Other Asian or Pacific Islander**.
- If the mother's race is Indian and the mother's birth place is not in North, Central, or South America, the child's race is recorded as **Other Asian or Pacific Islander**.
- If "part ______" or "1/4, 1/2, 3/4 _____" is given, the child's race is recorded as the **first** reported race of the mother. The prefix is ignored.
- If the mother's race is shown as unknown, the child's race is recorded as **Unknown**.

STATISTICAL CALCULATIONS

In this report, for any decedents born in Alaska in 1989 or later, a comparison has been made between the decedent's race as shown on the death certificate and the mother's race as shown on the birth certificate. If the two are not the same, the mother's race has been used for statistical analysis.

Birth certificates in which the mother's race is not specified may result in an under-reporting of the race-specific birth rates. Therefore, in this report, for statistical purposes only, any certificates in which the mother's race is unknown are assigned the race of the previous certificate on which the mother's race is known. While not accurate on an individual basis, this does allow for accurate overall estimates of rates by race. This method is also used by the National Centers for Health Statistics.

APPENDIX F: YEAR 2000 HEALTH OBJECTIVES

The U.S. Department of Health and Human Services published *Healthy People 2000: National Health Promotion and Disease Prevention Objectives*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 table below provides a brief comparison of some of these objectives compared with Alaska vital statistics from 1996 through 1998.

TABLE F.1 YEAR 2000 HEALTH OBJECTIVES

	ALASKA STATISTICS			YEAR 2000
HEALTH INDICATOR	1996	1997	1998	OBJECTIVE
Cancer Death Rate*	130.4	119.8		130.0
Accident and Adverse Effect Death Rate	56.3	46.2		29.3
Suicide Death Rate	22.8	21.6		10.5
Cerebrovascular Disease Death Rate	26.5	23.9		20.0
Chronic Obstructive Pulmonary Disease Death Rate	24.2	23.6		25.0
Diabetes Mellitus Death Rate	13.1	15.9		34.0
Chronic Liver Disease & Cirrhosis Death Rate	9.1	7.9		6.0
Infant Mortality Rate**	7.9	7.7		7.0
Neonatal Infant Mortality Rate	4.0	3.9		4.5
Postneonatal Infant Mortality Rate	3.9	3.8		2.5
Low Birth Weight (<2500 grams) Percent***	5.3%	5.4	%	5.0%
Very Low Birth Weight (<1500 grams) Percent	1.0%	1.0	%	<1%
Mothers Abstaining from Tobacco Use During Pregnancy	79.3%	80.6	%	90%
Alaska Mothers Receiving Prenatal Care During First Trimester	79.9%	79.3	80.1%	90%
White Mothers Receiving Prenatal Care During First Trimester	82.4%	81.5	82.4%	
Native Mothers Receiving Prenatal Care During First Trimester	74.0%	75.5	74.5%	

^{*} All death rates are per 100,000 population, age adjusted to the 1940 standard million population.

^{**} All Alaska infant mortality rates are five-year (1992-1996, 1993-1997, 1994-1998) averages per 1,000 live births. The Year 2000 objective is a single year rate per 1,000 live births.

^{***} Low and very low birth weight rates are five-year percentages of live births.

Public Health Service, U.S. Department of Health and Human Services, *Healthy People 2000: National Health Promotion and Disease Prevention Objectives*, DHHS Pub. No. PHS 91-50212. Washington, D.C. 1991.

APPENDIX G: SAMPLE CERTIFICATES

CERTIFICATE OF LIVE BIRTH - Intentionally left blank.

CERTIFICATE OF LIVE BIRTH (continued)

Page 146 1998 Annual Report

CERTIFICATE OF FETAL DEATH - Intentionally left blank.

CERTIFICATE OF FETAL DEATH (continued)

Page 148 1998 Annual Report

REPORT OF ADOPTION - Intentionally left blank.

CERTIFICATE OF MARRIAGE - Intentionally left blank.

Page 150 1998 Annual Report

CERTIFICATE OF DIVORCE, DISSOLUTION OF MARRIAGE, OR ANNULMENT - Intentionally left blank.

CERTIFICATE OF DEATH - Intentionally left blank.

Page 152 1998 Annual Report

CERTIFICATE OF PRESUMPTIVE DEATH - Intentionally left blank.

APPENDIX H: 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 N	ATIVE 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	
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 CORP.
ANCHOR POINT	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
ANCHORAGE	ANCHORAGE BOROUGH	COOK INLET REG CORP.
ANCHORAGE (CHUGACH)	ANCHORAGE BOROUGH	CHUGACH NATIVES INC.
ANCHORAGE AIRPORT	ANCHORAGE BOROUGH	COOK INLET REG 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 KETCH	IKAN SEALASKA CORP.
ANNETTE ISLAND	PRINCE OF WALES/OUTER KETCH	IKAN 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 CORP.
ATMAUTHUAK	BETHEL	CALISTA CORP.
ATTU	ALEUTIANS WEST	ALEUT CORP.
AUKE BAY	JUNEAU BOROUGH	SEALASKA CORP.
AURORA LODGE	FAIRBANKS NORTH STAR BOROU	GH DOYON LTD.
BARANOF	SITKA BOROUGH	SEALASKA CORP.
BARE ISLAND	KODIAK ISLAND BOROUGH	KONIAG INC.
BARROW	NORTH SLOPE BOROUGH	ARCTIC SLOPE CORP.
BARTER ISLAND	NORTH SLOPE BOROUGH	ARCTIC SLOPE CORP.
BEAVER	YUKON/KOYUKUK	DOYON LTD.
BELL ISLAND	PRINCE OF WALES/OUTER KETCH	IKAN SEALASKA CORP.
BELOFSKI	ALEUTIANS EAST	ALEUT CORP.
BELUGA	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
BERRY	FAIRBANKS NORTH STAR BOROU	GH DOYON LTD.
BESSIE DREDGE #5	NOME	BERING STRAITS CORP.
BETHEL	BETHEL	CALISTA CORP.
BETTLES	YUKON/KOYUKUK	DOYON LTD.
BIG DELTA	SOUTHEAST FAIRBANKS	DOYON LTD.
BIG HORN	FAIRBANKS NORTH STAR BOROU	GH DOYON LTD.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
BIG LAKE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
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 REG CORP.
BIRD CREEK	ANCHORAGE BOROUGH	COOK INLET REG CORP.
BODENBURG BUTTE	MATANUSKA-SUSITNA BOROUGH SOUTHEAST FAIRBANKS	COOK INLET REG CORP.
BOUNDARY BRADFIELD CANAL	WRANGELL/PETERSBURG	DOYON LTD. SEALASKA CORP.
BREVIG 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 REG CORP.
CAMP CARROL	ANCHORAGE BOROUGH	COOK INLET REG CORP.
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 REG CORP.
CANYON VILLAGE	YUKON/KOYUKUK	DOYON LTD.
CAPE LISBURNE	NORTH SLOPE BOROUGH	ARCTIC SLOPE 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 REG CORP.
CENTRAL CHALKYITSIK	YUKON/KOYUKUK YUKON/KOYUKUK	DOYON LTD. DOYON LTD.
CHANDALAR	YUKON/KOYUKUK	DOYON LTD. DOYON LTD.
CHANLILIUT	WADE HAMPTON	CALISTA CORP.
CHASE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
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 REG CORP.
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 CHINIAK	HAINES BOROUGH KODIAK ISLAND BOROUGH	SEALASKA CORP.
CHINIAK	VALDEZ/CORDOVA	KONIAG INC. AHTNA INC.
CHISTOCHINA	VALDEZ/CORDOVA VALDEZ/CORDOVA	AHTNA INC.
CHITINA	VALDEZ/CORDOVA VALDEZ/CORDOVA	AHTNA INC.
CHRISTIAN	YUKON/KOYUKUK	DOYON LTD.
CHUATHBALUK	BETHEL	CALISTA CORP.
CHUGIAK	ANCHORAGE BOROUGH	COOK INLET REG CORP.
CHULITNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
CHULLOONAWICK	WADE HAMPTON	CALISTA CORP.
CIRCLE	YUKON/KOYUKUK	DOYON LTD.
CIRCLE HOT SPRINGS	YUKON/KOYUKUK	DOYON LTD.
CLAM GULCH	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
CLARKS POINT	DILLINGHAM	BRISTOL BAY CORP.
CLEAR	DENALI BOROUGH	DOYON LTD.
CLOVER PASS	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
COLOE	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
COLD BAY	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
COLD BAY	ALEUTIANS EAST	ALEUT CORP.

Page 156 1998 Annual Report

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
COLDFOOT	YUKON/KOYUKUK	DOYON LTD.
COLLEGE	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
COOPER LANDING	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
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 WENT A DODOUGH	CALISTA CORP.
CROWN POINT	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
CUBE COVE	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
CURRY	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
CUTOFF DALTON HWY 1	YUKON/KOYUKUK YUKON/KOYUKUK	DOYON LTD. DOYON LTD.
DALTON HWY 1 DALTON HWY 2	NORTH SLOPE BOROUGH	ARCTIC SLOPE CORP.
DANGER BAY	KODIAK ISLAND BOROUGH	KONIAG INC.
DEADHORSE	NORTH SLOPE BOROUGH	ARCTIC SLOPE 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 REG CORP.
EAGLE VILLAGE	SOUTHEAST FAIRBANKS	DOYON LTD.
EDGERTON HWY	VALDEZ/CORDOVA	AHTNA INC.
EDNA BAY	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
EEK	BETHEL	CALISTA CORP.
EGEGIK	LAKE AND PENINSULA	BRISTOL BAY CORP.
EIELSON AFB	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
EKLUTNA	ANCHORAGE BOROUGH	COOK INLET REG CORP.
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 FAIRBANKS NORTH STAR BOROUGH	CHUGACH NATIVES INC.
ELLIOTT HWY 1		DOYON LTD.
ELLIOTT HWY 2 ELMENDORF AFB	YUKON/KOYUKUK ANCHORAGE BOROUGH	DOYON LTD. COOK INLET REG CORP.
ELMENDORF AFB EMMONAK	WADE HAMPTON	COOK INLET REG CORP. CALISTA CORP.
ENGLISH BAY	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
ESKA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
ESTER	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
ETOLIN	WRANGELL/PETERSBURG	SEALASKA CORP.
EUREKA LODGE	VALDEZ/CORDOVA	AHTNA INC.
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 REG CORP.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
FLAT	YUKON/KOYUKUK	DOYON LTD.
FORT GREELY	SOUTHEAST FAIRBANKS	DOYON LTD.
FORT RANDALL	ALEUTIANS EAST	ALEUT CORP.
FORT RICHARDSON	ANCHORAGE BOROUGH	COOK INLET REG CORP.
FORT WAINWRIGHT	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
FORT YUKON	YUKON/KOYUKUK	DOYON LTD.
FORTUNA LEDGE	WADE HAMPTON	CALISTA CORP.
FOX FOX RIVER	FAIRBANKS NORTH STAR BOROUGH KENAI PENINSULA BOROUGH	DOYON LTD. CHUGACH NATIVES INC.
FRESHWATER BAY	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
FRITZ CREEK	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
FUNTER BAY	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
GAKONA	VALDEZ/CORDOVA	AHTNA INC.
GALENA	YUKON/KOYUKUK	DOYON LTD.
GALLA LOGG CAMP	WRANGELL/PETERSBURG	SEALASKA 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 REG CORP.
GLENN HWY MI 22	ANCHORAGE BOROUGH	COOK INLET REG CORP.
GLENN HWY 1	ANCHORAGE BOROUGH	COOK INLET REG CORP.
GLENN HWY 2	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
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 EARDANICS NORTH STAR DOROUGH	CALISTA CORP.
GRAEHL GRAYLING	FAIRBANKS NORTH STAR BOROUGH YUKON/KOYUKUK	DOYON LTD. 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 REG CORP.
HAMILTON	WADE HAMPTON	CALISTA CORP.
HAMILTON ACRES	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
HAPPY VALLEY	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
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.
HOBART BAY	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
HOGATZA	YUKON/KOYUKUK	DOYON LTD.
HOLIKACHUK	YUKON/KOYUKUK	DOYON LTD.
HOLLIS	BETHEL PRINCE OF WALES/OUTER KETCHIKAN	CALISTA CORP.
HOLLIS HOLV CROSS	PRINCE OF WALES/OUTER KETCHIKAN YUKON/KOYUKUK	SEALASKA CORP. DOYON LTD.
HOLY CROSS HOMER	YUKUN/KUYUKUK KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
HOONAH	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
HOONAH HOOPER BAY	WADE HAMPTON	CALISTA CORP.
HOPE	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
HOUSTON	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
HUGHES	YUKON/KOYUKUK	DOYON LTD.
HURRICANE	MATANUSKA-SUSITNA BOROUGH	DOYON LTD.

Page 158 1998 Annual Report

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
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 REG CORP.
INDIAN MOUNTAIN	YUKON/KOYUKUK	DOYON LTD.
IVANOFF BAY	LAKE AND PENINSULA	BRISTOL BAY CORP.
JAKOLOF BAY	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
JONESVILLE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
JUNEAU	JUNEAU BOROUGH	SEALASKA CORP.
KACHAMAK	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
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 CORP.
KALIFONSKY	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
KALSKAG KALTAG	BETHEL YUKON/KOYUKUK	CALISTA CORP. DOYON LTD.
KANAKANAK	DILLINGHAM	BRISTOL BAY CORP.
	KODIAK ISLAND BOROUGH	KONIAG INC.
KARLUK KASAAN	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
KASHWITNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
KASHWIINA KASIGLUK	BETHEL	CALISTA CORP.
KASILOF	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
KENAI	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
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.
KLUCHEVA	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
KLUCHEVAYA	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
KLUKWAN	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
KNIK	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
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 WADE HAMPTON	CALISTA CORP.
KOTLIK	WADE HAMPTON	CALISTA CORP.
KOTZEBUE	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
KOYUK	NOME YUKON/KOYUKUK	BERING STRAITS CORP.
KOYUKUK KUPREANOF	WRANGELL/PETERSBURG	DOYON LTD. SEALASKA CORP.
KULKLANOF	WIN MOELL/I LIERSBURG	SLALASINA COM .

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
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 WADE HAMPTON	CALISTA CORP.
KWIGOK	PRINCE OF WALES/OUTER KETCHIKAN	CALISTA CORP.
LABOUCHERE BAY LADD AFB	FAIRBANKS NORTH STAR BOROUGH	SEALASKA CORP. DOYON LTD.
LADD AFB LAKE CLARK PASS	LAKE AND PENINSULA	BRISTOL BAY CORP.
LAKE CLARK I ASS 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 REG CORP.
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 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 MARSHALL	DILLINGHAM WADE HAMPTON	BRISTOL BAY CORP. CALISTA CORP.
MARYS IGLOO	WADE HAMPTON NOME	BERING STRAITS CORP.
MAY CREEK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
MCCARTHY	VALDEZ/CORDOVA	AHTNA INC.
MCGRATH	YUKON/KOYUKUK	DOYON LTD.
MCKINLEY PARK	DENALI BOROUGH	DOYON LTD.
MEADOW LAKES	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
MEAKERVILLE	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
MEDFRA	YUKON/KOYUKUK	DOYON LTD.
MEKORYUK	BETHEL	CALISTA CORP.
MENDELTNA 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 REG CORP.
MONTANA CRK LODGE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
MOOSE CREEK	FAIRBANKS NORTH STAR BOROUGH	DOYON LTD.
MOOSE PASS	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
MOSES POINT	KODIAK ISLAND BOROUGH	KONIAG INC.
MOSES POINT	NOME VETCHIVAN GATEWAY POPOLICH	BERING STRAITS CORP.
MOUNTAIN POINT	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
MOUNTAIN VIEW MOUNTAIN VILLAGE	ANCHORAGE BOROUGH WADE HAMPTON	COOK INLET REG CORP. CALISTA CORP.
MT DENALI	DENALI BOROUGH	DOYON LTD.
MT EDGECUMBE	SITKA BOROUGH	SEALASKA CORP.
MT MC KINLEY	DENALI BOROUGH	DOYON LTD.
MUMTRAK	BETHEL	CALISTA CORP.
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Page 160 1998 Annual Report

(continued) APPENDIX H

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
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 REG CORP.
NANWALEK	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
NAPAIMUTE	BETHEL	CALISTA 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 NEWTOK	LAKE AND PENINSULA BETHEL	BRISTOL BAY CORP. CALISTA CORP.
NEW TOK NIGHTMUTE	BETHEL	CALISTA CORP. CALISTA CORP.
NIKISKI	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
NIKOLAEVSK	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
NIKOLAL VSK NIKOLAI	YUKON/KOYUKUK	DOYON LTD.
NIKOLSKI	ALEUTIANS WEST	ALEUT CORP.
NINILCHIK	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
NOATAK	NORTHWEST ARCTIC BOROUGH	NANA REGIONAL CORP.
NOHODKA	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
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 REG CORP.
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 CORP.
NULATO	YUKON/KOYUKUK	DOYON LTD.
NUNAKA VALLEY	ANCHORAGE BOROUGH	COOK INLET REG CORP.
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 OLNES	KODIAK ISLAND BOROUGH FAIRBANKS NORTH STAR BOROUGH	KONIAG INC.
OPHIR	YUKON/KOYUKUK	DOYON LTD. DOYON LTD.
OSCARVILLE	BETHEL	CALISTA CORP.
OUZINKIE	KODIAK ISLAND BOROUGH	KONIAG INC.
PAIMUTE	WADE HAMPTON	CALISTA CORP.
PALMER	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
PARKS HWY 1	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
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.

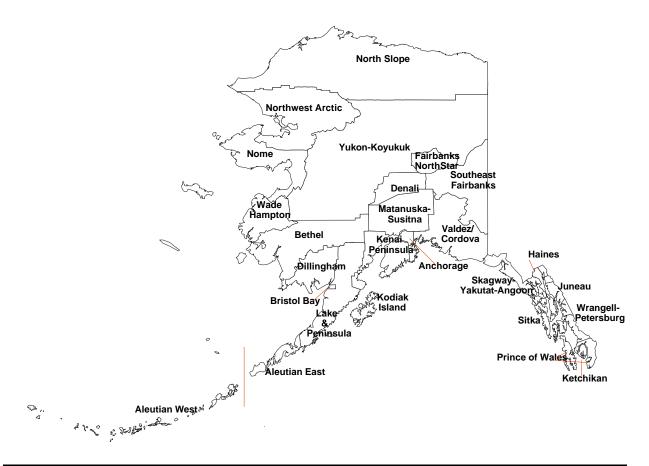
LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
PERKINSVILLE	NOME	BERING STRAITS CORP.
PERRYVILLE	LAKE AND PENINSULA	BRISTOL BAY CORP.
PETERS CREEK	ANCHORAGE BOROUGH	COOK INLET REG CORP.
PETERSBURG	WRANGELL/PETERSBURG	SEALASKA CORP.
PETERSVILLE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
PILOT POINT	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 CORP.
POINT HOPE	NORTH SLOPE BOROUGH	ARCTIC SLOPE CORP.
POINT LAY	NORTH SLOPE BOROUGH	ARCTIC SLOPE 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 REG CORP.
PORT ARMSTRONG	SITKA BOROUGH	SEALASKA CORP.
PORT ASHTON	VALDEZ/CORDOVA	CHUGACH NATIVES INC.
PORT BAILEY PORT CHILKOOT	KODIAK ISLAND BOROUGH HAINES BOROUGH	KONIAG INC. 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 REG CORP.
PORTAGE CREEK	DILLINGHAM	BRISTOL BAY CORP.
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 CORP.
QUINHAGAK	BETHEL	CALISTA CORP.
RAMPART	YUKON/KOYUKUK	DOYON LTD.
RED DEVIL	BETHEL	CALISTA CORP.
RED MOUNTAIN	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
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 REG CORP.
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 REG CORP.
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 SAXMAN FAST	KETCHIKAN GATEWAY BOROUGH KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
SAXMAN EAST		SEALASKA CORP.
SCAMMON BAY SCOTTY CREEK	WADE HAMPTON SOUTHEAST FAIRBANKS	CALISTA CORP. DOYON LTD.
SCOTTY CREEK SELAWIK	NORTHWEST ARCTIC BOROUGH	DOYON LID. NANA REGIONAL CORP.
SELDOVIA	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
SEVONOSKI	BRISTOL BAY BOROUGH	BRISTOL BAY CORP.
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Page 162 1998 Annual Report

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
SEWARD	KENAI PENINSULA BOROUGH	CHUGACH NATIVES INC.
SHAGELUK	YUKON/KOYUKUK	DOYON LTD.
SHAKTOOLIK	NOME	BERING STRAITS CORP.
SHELDON POINT	WADE HAMPTON	CALISTA 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 REG CORP.
SITKA	SITKA BOROUGH	SEALASKA CORP.
SITKA LOGGING CAMP	SITKA BOROUGH	SEALASKA CORP.
SKAGWAY	ANGOON/HOONAH/SKAGWAY	SEALASKA CORP.
SKWENTNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
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 REG CORP.
SOLOMON	NOME	BERING STRAITS CORP.
SOURDOUGH	VALDEZ/CORDOVA	AHTNA INC.
SOUTH NAKNEK	BRISTOL BAY BOROUGH	BRISTOL BAY CORP.
SPARREVOHN	BETHEL ANGUAGE POPOLICIA	CALISTA CORP.
SPENARD	ANCHORAGE BOROUGH ALEUTIANS EAST	COOK INLET REG CORP.
SQUAW HARBOR		ALEUT CORP.
ST. GEORGE ISLAND	ALEUTIANS WEST	ALEUT CORP. SEALASKA CORP.
ST. JOHN HARBOR	WRANGELL/PETERSBURG	BERING STRAITS CORP.
ST. LAWRENCE IS.	NOME WADE HAMPTON	CALISTA CORP.
ST. MARY'S ST. MICHAEL	NOME	BERING STRAITS CORP.
ST. PAUL ISLAND	ALEUTIANS WEST	ALEUT CORP.
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 REG CORP.
STEVENS VILLAGE	YUKON/KOYUKUK	DOYON LTD.
STONY RIVER	BETHEL	CALISTA CORP.
SUMMIT	MATANUSKA-SUSITNA BOROUGH	AHTNA INC.
SUNRISE VILLAGE	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
SUNSHINE	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
SUNTRANA	DENALI BOROUGH	DOYON LTD.
SUSITNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
SUTTON	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
TAKOTNA	YUKON/KOYUKUK	DOYON LTD.
TAKU HARBOR	JUNEAU BOROUGH	SEALASKA CORP.
TALKEETNA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
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	SEALASKA CORP.
TIKIKLUK	NORTH SLOPE BOROUGH	ARCTIC SLOPE CORP.
TIN CITY AFS	NOME	BERING STRAITS CORP.
TOGIAK	DILLINGHAM	BRISTOL BAY CORP.

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
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 REG CORP.
TULUKSAK	BETHEL	CALISTA CORP.
TUNTUTULIAK	BETHEL	CALISTA CORP.
TUSTUMENA	KENAI PENINSULA BOROUGH	COOK INLET REG CORP.
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 REG CORP.
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 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.
VENETIE	YUKON/KOYUKUK	DOYON LTD.

MAP H.1 CENSUS AREAS OF ALASKA



Page 164 1998 Annual Report

LOCATION	CENSUS AREA	NATIVE REGIONAL CORPORATION
WACKER	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
WAINWRIGHT	NORTH SLOPE BOROUGH	ARCTIC SLOPE CORP.
WALES	NOME	BERING STRAITS CORP.
WARD COVE	KETCHIKAN GATEWAY BOROUGH	SEALASKA CORP.
WASILLA	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
WATERFALL	PRINCE OF WALES/OUTER KETCHIKAN	SEALASKA CORP.
WEST POINT	KODIAK ISLAND BOROUGH	KONIAG INC.
WEVOK	NORTH SLOPE BOROUGH	ARCTIC SLOPE 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 REG CORP.
WILLOW	MATANUSKA-SUSITNA BOROUGH	COOK INLET REG CORP.
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.

MAP H.2 ALASKA'S NATIVE REGIONAL CORPORATIONS



LOCATION **CENSUS AREA** NATIVE REGIONAL CORPORATION MAP H.3 ALASKA COURT LOCATIONS Second Judicial District Fourth Judicial District Third Judicial District Judicia District To produce of **1st Judicial District 2nd Judicial District 3rd Judicial District** 4th Judicial District **Superior Courts Superior Courts Superior Courts Superior Courts** Juneau Sitka Anchorage Kodiak Barrow Nome Bethel Fairbnks Ketchikan Kotzebue Dillingham Palmer **District Court** Kenai **District Courts District Courts** Fairbanks **District Courts** Juneau None **Magistrates** Anchorage Palmer Ketchikan Magistrates Aniak Galena/ Homer Valdez **Magistrates** Ambler/Shungnak McGrath Bethel **Magistrates** Angoon Pelican Healy/ Barrow Chevak/

Information courtesy of the Alaska Court System.

Petersburg

Skagway

Wrangell

Yakutat

Sitka

Gambell/Savoonga

Kotzebue

Nome

Kiana/Selawik/Noorvik

Craig

Haines

Hoonah

Juneau

Ketchikan

Kake

Page 166 1998 Annual Report

Cordova

Kenai

Kodiak

Naknek

Palmer

Dillingham

Glennallen

St. Paul Is.

Sand Point

Seward

Valdez

Whittier

Unalaska

Hooper

Delta Jct.

Emmonak

Fort Yukon Tok

Bay

Nenana/

Tanana

Quinhagak

St. Mary's

APPENDIX I: POPULATION OVERVIEW

ALASKA'S POPULATION

Population estimates used in this report are provided by the Alaska Department of Labor, Research and Analysis Section, Demographics Unit. In March 1998, the Department of Labor revised population estimates back to 1991. Changes in estimates affect rates which are based on population. Revised estimates for 1991 through 1995 are also included in this appendix.

TABLE I.1 ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1998

AGE		ALASKA			WHITE		NATIVE		
GROUP	TOTAL	MALE	FEMALE	TOTAL	MALE	MALE	TOTAL	MALE	FEMALE
0-4	51,876	26,467	25,409	35,066	17,856	17,210	11,554	5,941	5,613
5-9	56,847	29,124	27,723	37,892	19,529	18,363	13,301	6,760	6,541
10-14	54,905	28,149	26,756	38,205	19,660	18,545	11,865	6,070	5,795
15-19	47,633	24,867	22,766	33,292	17,369	15,923	9,899	5,075	4,824
20-24	34,181	17,242	16,939	21,921	10,611	11,310	7,634	3,947	3,687
25-29	39,380	21,243	18,137	26,679	14,077	12,602	6,605	3,451	3,154
30-34	49,064	26,309	22,755	36,351	19,646	16,705	7,404	3,839	3,565
35-39	59,803	31,144	28,659	47,221	25,008	22,213	7,656	3,655	4,001
40-44	60,515	31,213	29,302	48,519	25,408	23,111	7,123	3,431	3,692
45-49	52,315	27,939	24,376	42,856	23,165	19,691	5,613	2,834	2,779
50-54	37,298	20,288	17,010	31,103	17,293	13,810	3,819	1,792	2,027
55-59	24,904	13,348	11,556	20,417	11,256	9,161	3,001	1,372	1,629
60-64	16,073	8,555	7,518	12,391	6,874	5,517	2,553	1,235	1,318
65-69	11,808	5,951	5,857	8,875	4,683	4,192	1,961	900	1,061
70-74	9,113	4,453	4,660	6,950	3,518	3,432	1,364	613	751
75-79	6,202	2,822	3,380	4,669	2,227	2,442	999	410	589
80-84	3,238	1,347	1,891	2,544	1,098	1,446	531	189	342
85+	1,927	723	1,204	1,320	459	861	479	188	291
TOTAL	617,082	321,184	295,898	456,271	239,737	216,534	103,361	51,702	51,659

TABLE I.2 ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1997

AGE	ALASKA				WHITE		NATIVE		
GROUP	TOTAL	MALE	FEMALE	TOTAL	MALE	MALE	TOTAL	MALE	FEMALE
0-4	51,970	26,478	25,492	34,904	17,698	17,206	11,764	6,061	5,703
5-9	57,185	29,242	27,943	38,465	19,808	18,657	13,270	6,709	6,561
10-14	54,375	27,884	26,491	38,071	19,590	18,481	11,586	5,921	5,665
15-19	45,790	23,913	21,877	32,235	16,798	15,437	9,355	4,814	4,541
20-24	33,330	16,807	16,523	21,449	10,394	11,055	7,459	3,853	3,606
25-29	41,078	22,457	18,621	28,507	15,335	13,172	6,489	3,391	3,098
30-34	51,509	27,399	24,110	38,630	20,738	17,892	7,793	4,017	3,776
35-39	60,363	31,247	29,116	47,915	25,223	22,692	7,598	3,575	4,023
40-44	59,804	31,002	28,802	48,178	25,311	22,867	6,917	3,388	3,529
45-49	49,967	26,803	23,164	41,153	22,347	18,806	5,262	2,653	2,609
50-54	35,215	19,121	16,094	29,453	16,369	13,084	3,630	1,689	1,941
55-59	22,684	12,195	10,489	18,400	10,150	8,250	2,923	1,377	1,546
60-64	15,351	8,128	7,223	11,727	6,498	5,229	2,541	1,221	1,320
65-69	11,583	5,821	5,762	8,788	4,597	4,191	1,875	860	1,015
70-74	8,814	4,301	4,513	6,651	3,361	3,290	1,395	638	757
75-79	5,797	2,641	3,156	4,445	2,126	2,319	905	359	546
80-84	3,004	1,239	1,765	2,311	986	1,325	537	192	345
85±	1,836	680	1,156	1,265	421	844	452	187	265
TOTAL	609,655	317,358	292,297	452,547	237,750	214,797	101,751	50,905	50,846

TABLE I.3 ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1996

AGE		ALASKA			WHITE		NATIVE		
GROUP	TOTAL	MALE	FEMALE	TOTAL	MALE	MALE	TOTAL	MALE	FEMALE
0-4	52,568	26,699	25,869	35,064	17,756	17,308	12,145	6,193	5,952
5-9	56,717	29,049	27,668	38,585	19,891	18,694	12,859	6,534	6,325
10-14	53,252	27,318	25,934	37,500	19,272	18,228	11,117	5,682	5,435
15-19	44,503	23,231	21,272	31,551	16,441	15,110	8,933	4,597	4,336
20-24	32,666	16,655	16,011	21,009	10,327	10,682	7,225	3,734	3,491
25-29	43,599	24,056	19,543	30,951	16,960	13,991	6,579	3,413	3,166
30-34	53,827	28,496	25,331	40,959	21,890	19,069	7,866	4,028	3,838
35-39	61,471	31,750	29,721	48,999	25,734	23,265	7,583	3,548	4,035
40-44	59,095	30,810	28,285	47,962	25,275	22,687	6,613	3,286	3,327
45-49	49,229	26,658	22,571	40,931	22,482	18,449	4,973	2,505	2,468
50-54	31,988	17,286	14,702	26,663	14,740	11,923	3,454	1,618	1,836
55-59	21,352	11,586	9,766	17,211	9,580	7,631	2,833	1,370	1,463
60-64	14,695	7,688	7,007	11,195	6,126	5,069	2,470	1,174	1,296
65-69	11,610	5,915	5,695	8,927	4,733	4,194	1,807	822	985
70-74	8,588	4,140	4,448	6,472	3,203	3,269	1,387	650	737
75-79	5,442	2,463	2,979	4,192	1,991	2,201	859	337	522
80-84	2,820	1,180	1,640	2,128	910	1,218	542	208	334
85+	1,790	641	1,149	1,250	399	851	433	179	254
TOTAL	605,212	315.621	289,591	451.549	237,710	213,839	99,678	49,878	

Page 168 1998 Annual Report

TABLE I.4 ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1995

AGE		ALASKA			WHITE			NATIVE	
GROUP	TOTAL	MALE	FEMALE	TOTAL	MALE	MALE	TOTAL	MALE	FEMALE
0-4	54,514	27,756	26,758	36,495	18,597	17,898	12,600	6,381	6,219
5-9	56,937	29,224	27,713	39,389	20,373	19,016	12,455	6,337	6,118
10-14	52,908	27,251	25,657	37,673	19,447	18,226	10,701	5,453	5,248
15-19	42,595	22,253	20,342	30,292	15,811	14,481	8,539	4,399	4,140
20-24	32,806	17,037	15,769	21,222	10,688	10,534	7,098	3,664	3,434
25-29	45,104	24,832	20,272	32,392	17,825	14,567	6,874	3,539	3,335
30-34	56,678	29,850	26,828	43,802	23,293	20,509	7,906	4,011	3,895
35-39	61,866	31,921	29,945	49,527	25,958	23,569	7,461	3,504	3,957
40-44	57,955	30,460	27,495	47,310	25,094	22,216	6,381	3,214	3,167
45-49	46,133	25,061	21,072	38,526	21,268	17,258	4,627	2,311	2,316
50-54	30,368	16,436	13,932	25,239	13,956	11,283	3,400	1,613	1,787
55-59	20,108	10,973	9,135	16,112	9,047	7,065	2,758	1,345	1,413
60-64	14,330	7,417	6,913	10,932	5,881	5,051	2,420	1,163	1,257
65-69	11,419	5,825	5,594	8,861	4,688	4,173	1,728	789	939
70-74	8,382	4,007	4,375	6,343	3,118	3,225	1,350	622	728
75-79	5,004	2,259	2,745	3,850	1,806	2,044	813	328	485
80-84	2,774	1,160	1,614	2,083	876	1,207	550	215	335
85+	1,700	592	1,108	1,197	373	824	397	159	238
TOTAL	601,581	314,314	287,267	451,245	238,099	213,146	98,058	49,047	49,011

TABLE I.5 ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1994

AGE		ALASKA			WHITE			NATIVE	
GROUP	TOTAL	MALE	FEMALE	TOTAL	MALE	MALE	TOTAL	MALE	FEMALE
0-4	56,874	28,997	27,877	38,165	19,539	18,626	13,105	6,605	6,500
5-9	56,547	28,978	27,569	39,671	20,449	19,222	11,950	6,099	5,851
10-14	52,217	27,002	25,215	37,421	19,395	18,026	10,275	5,216	5,059
15-19	40,906	21,308	19,598	29,199	15,184	14,015	8,123	4,205	3,918
20-24	35,222	18,669	16,553	23,542	12,210	11,332	6,904	3,525	3,379
25-29	47,265	25,586	21,679	34,393	18,606	15,787	7,249	3,747	3,502
30-34	59,164	31,220	27,944	46,222	24,658	21,564	7,877	3,958	3,919
35-39	62,492	32,159	30,333	50,264	26,232	24,032	7,312	3,472	3,840
40-44	56,537	30,064	26,473	46,387	24,909	21,478	6,086	3,080	3,006
45-49	43,001	23,425	19,576	36,056	19,976	16,080	4,294	2,140	2,154
50-54	29,198	15,865	13,333	24,283	13,483	10,800	3,284	1,563	1,721
55-59	19,254	10,510	8,744	15,341	8,619	6,722	2,730	1,348	1,382
60-64	13,920	7,199	6,721	10,632	5,705	4,927	2,351	1,128	1,223
65-69	11,064	5,653	5,411	8,652	4,570	4,082	1,640	751	889
70-74	8,108	3,894	4,214	6,162	3,042	3,120	1,297	600	697
75-79	4,603	2,056	2,547	3,514	1,619	1,895	793	327	466
80-84	2,688	1,140	1,548	2,001	860	1,141	551	209	342
85+	1,562	538	1,024	1,110	338	772	361	151	210
TOTAL	600,622	314,263	286,359	453.015	239,394	213,621	96,182	48,124	48,058

TABLE I.6 ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1993

AGE		ALASKA			WHITE		NATIVE		
GROUP	TOTAL	MALE	FEMALE	TOTAL	MALE	MALE	TOTAL	MALE	FEMALE
0-4	58,200	29,782	28,418	39,351	20,227	19,124	13,249	6,701	6,548
5-9	55,654	28,521	27,133	39,344	20,278	19,066	11,586	5,904	5,682
10-14	51,054	26,492	24,562	36,914	19,159	17,755	9,772	4,983	4,789
15-19	39,408	20,481	18,927	28,200	14,688	13,512	7,815	4,019	3,796
20-24	38,151	20,791	17,360	26,504	14,312	12,192	6,715	3,420	3,295
25-29	49,428	26,616	22,812	36,410	19,661	16,749	7,678	3,964	3,714
30-34	60,741	31,900	28,841	47,875	25,465	22,410	7,776	3,847	3,929
35-39	62,539	32,362	30,177	50,577	26,484	24,093	7,129	3,454	3,675
40-44	54,874	29,485	25,389	45,239	24,575	20,664	5,792	2,947	2,845
45-49	40,105	21,879	18,226	33,677	18,706	14,971	4,043	2,000	2,043
50-54	27,654	15,051	12,603	22,974	12,787	10,187	3,143	1,497	1,646
55-59	18,532	10,058	8,474	14,657	8,191	6,466	2,743	1,358	1,385
60-64	13,761	7,206	6,555	10,625	5,763	4,862	2,225	1,074	1,151
65-69	10,776	5,470	5,306	8,393	4,377	4,016	1,627	765	862
70-74	7,668	3,667	4,001	5,875	2,900	2,975	1,211	543	668
75-79	4,384	1,963	2,421	3,330	1,525	1,805	797	333	464
80-84	2,484	1,053	1,431	1,817	776	1,041	539	212	327
85+	1,493	534		1,074	335	739	336	152	184
TOTAL	596,906	313,311	283,595	452,836	240,209	212,627	94,176	47,173	47,003

TABLE I.7 ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1992

AGE		ALASKA			WHITE		NATIVE		
GROUP	TOTAL	MALE	FEMALE	TOTAL	MALE	MALE	TOTAL	MALE	FEMALE
0-4	57,959	29,677	28,282	39,461	20,348	19,113	13,159	6,615	6,544
5-9	54,904	28,119	26,785	39,106	20,131	18,975	11,258	5,730	5,528
10-14	48,765	25,345	23,420	35,485	18,445	17,040	9,188	4,698	4,490
15-19	38,548	20,059	18,489	27,775	14,513	13,262	7,598	3,906	3,692
20-24	40,118	22,417	17,701	28,741	16,069	12,672	6,562	3,345	3,217
25-29	51,435	27,694	23,741	38,316	20,779	17,537	8,064	4,153	3,911
30-34	60,863	31,875	28,988	48,244	25,612	22,632	7,659	3,744	3,915
35-39	61,835	32,289	29,546	50,314	26,573	23,741	6,892	3,392	3,500
40-44	52,544	28,480	24,064	43,613	23,927	19,686	5,407	2,745	2,662
45-49	37,591	20,469	17,122	31,602	17,547	14,055	3,848	1,897	1,951
50-54	25,460	13,948	11,512	20,985	11,734	9,251	3,054	1,494	1,560
55-59	17,887	9,644	8,243	14,080	7,836	6,244	2,718	1,339	1,379
60-64	13,589	7,150	6,439	10,592	5,748	4,844	2,130	1,032	1,098
65-69	10,416	5,232	5,184	8,052	4,135	3,917	1,645	793	852
70-74	7,092	3,407	3,685	5,477	2,718	2,759	1,112	487	625
75-79	4,061	1,835	2,226	3,031	1,409	1,622	798	332	466
80-84	2,282	933	1,349	1,672	674	998	507	202	305
85+	1,373	506	867	956	308	648	334	152	182
TOTAL	586,722	309,079	277,643	447,502	238,506	208,996	91.933	46,056	45,877

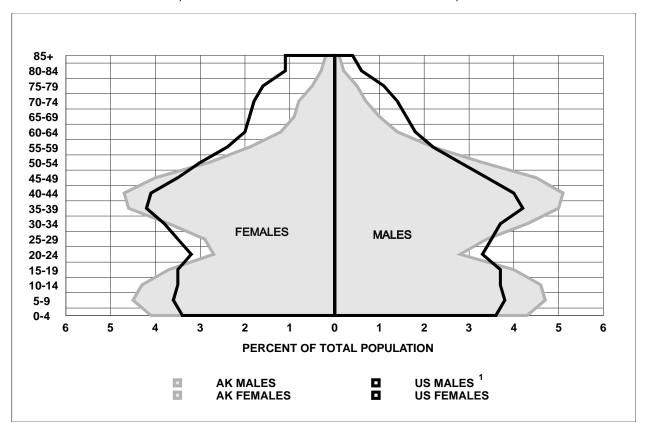
Page 170 1998 Annual Report

TABLE I.8 ESTIMATED POPULATION OF ALASKA BY AGE, SEX AND RACE, JULY 1991

AGE		ALASKA			WHITE			NATIVE	
GROUP	TOTAL	MALE	FEMALE	TOTAL	MALE	MALE	TOTAL	MALE	FEMALE
0-4	56,719	29,074	27,645	38,970	20,105	18,865	12,706	6,417	6,289
5-9	53,263	27,321	25,942	38,145	19,656	18,489	10,768	5,478	5,290
10-14	46,203	24,024	22,179	33,620	17,505	16,115	8,746	4,470	4,276
15-19	36,932	19,271	17,661	26,527	13,895	12,632	7,367	3,795	3,572
20-24	40,965	22,879	18,086	29,682	16,650	13,032	6,660	3,380	3,280
25-29	52,247	27,833	24,414	39,302	21,079	18,223	8,119	4,155	3,964
30-34	60,549	31,466	29,083	48,017	25,272	22,745	7,635	3,721	3,914
35-39	59,991	31,515	28,476	49,029	26,000	23,029	6,585	3,293	3,292
40-44	50,344	27,385	22,959	41,980	23,142	18,838	5,088	2,577	2,511
45-49	34,064	18,564	15,500	28,542	15,870	12,672	3,655	1,810	1,845
50-54	23,611	12,967	10,644	19,283	10,796	8,487	2,977	1,490	1,487
55-59	17,061	9,137	7,924	13,393	7,397	5,996	2,633	1,294	1,339
60-64	13,320	7,094	6,226	10,422	5,728	4,694	2,079	1,009	1,070
65-69	10,029	5,004	5,025	7,728	3,926	3,802	1,626	793	833
70-74	6,524	3,111	3,413	5,033	2,471	2,562	1,052	460	592
75-79	3,826	1,757	2,069	2,805	1,305	1,500	803	354	449
80-84	2,120	843	1,277	1,552	607	945	471	184	287
85+	1,286	486	800	896	304	592	316	140	176
TOTAL	569,054	299,731	269,323	434,926	231,708	203,218	89,286	44,820	44,466

POPULATION DISTRIBUTION IN ALASKA AND THE UNITED STATES

CHART I.1 PERCENT DISTRIBUTION OF THE POPULATION BY AGE AND SEX, ALASKA AND THE UNITED STATES, 1998¹



Page 172 1998 Annual Report

Day, Jennifer Cheeseman, *Population Projections of the United States by Age, Sex, Race, and Hispanic Origin: 1995 to 2050*, U.S. Bureau of the Census, Current Population Reports, P25-1130, U.S. Government Printing Office, Washington, DC, February, 1996, p.44 (Alaska State Library U.S. Government Publications, reference C3.186).

APPENDIX J: OTHER DATA SOURCES

The most comprehensive source for data in the Department of Health and Social Services can be found from the department's web page at **http://www.hss.state.ak.us**. Other data sources within the department which provide reference material and indicators of public health trends are listed below.

Department of Health and Social Services Division of Administrative Services Facilities and Planning Section P.O. Box 110650 Juneau, AK 99811-0650 (907) 465-3015

- Healthy Alaskans 2000 presents information, findings and recommendations in the areas of: health promotion, health protection, preventive services and surveillance and data systems (last printing 1992).
- The Village Clinic Survey presents information on the physical condition of over 200 small clinics in rural Alaska (last printing 1994).
- Alaska Hospital Survey reports on acute, specialized, and nursing homes throughout Alaska (last printing 1994).
- The Department of Health and Social Services Database Directory lists each database managed within the Department (last printing 1995).

Department of Health and Social Services Division of Family and Youth Services

P.O. Box 110630 Juneau, AK 99811-0630 (907) 465-3170 dfys@health.state.ak.us

Annual Report

Department of Health and Social Services Division of Medical Assistance

P.O. Box 110660
Juneau, AK 99811-0660

(907) 465-3355

- Medical Assistance in Alaska
- Annual Report

Department of Health and Social Services

Division of Mental Health and Developmental Disabilities

P.O. Box 110620 Juneau, AK 99811-0620 (907) 465-3370

• Annual Report

Department of Health and Social Services

Division of Public Assistance

P.O. Box 110640 Juneau, AK 99811-0640 (907) 465-3347

- Welfare Reform Briefing Papers
- Welfare Reform Status Report
- Welfare Reform Report Card

Department of Health and Social Services

Division of Public Health

Community Health and Emergency Medical Services

P.O. Box 110616 Juneau, AK 99811-0616 (907) 465-3027

- Alaska Trauma Registry
- Behavioral Risk Factor Surveillance System

Department of Health and Social Services

Division of Public Health

Epidemiology Section

P.O. Box 240249 Anchorage, AK 99524-0249 (907) 269-8000

• EPI Bulletin: published up to 40 times per year with statistics on reportable diseases

Department of Health and Social Services

Division of Public Health

Maternal, Child and Family Health

1231 Gambell Street Anchorage, AK 99501-4267 (907) 269-3400

- · Five-Year Maternal and Child Health Needs Assessment
- Maternal Child Health Block Grant
- Adolescent Health Plan
- Family Health Data Line (bi-monthly)
- Family Health Shareline (quarterly)

Department of Health and Social Services

Division of Public Health

Medicaid Services Unit

P.O. Box 110611 Juneau, AK 99811-0611

(907) 465-2845

 Information on the Healthy Babies program which provides prenatal medical care, and the Healthy Kids program which provides comprehensive child health services through outreach, screening, referral and follow-up

Page 174 1998 Annual Report