



U.S. Department of Commerce
BUREAU OF THE CENSUS

Series P-25, No. 712
Issued October 1977

Population Estimates and Projections

Estimates of the Population of Alaska Census Divisions and Metropolitan Areas: July 1, 1975 (Revised) and 1976 (Provisional)

This report presents total population estimates for July 1, 1975 and provisional estimates for July 1, 1976 for census divisions and metropolitan areas in Alaska. These estimates were prepared by the Bureau of the Census as part of its continuing population estimates program. They are consistent in methodological approach with county estimates for other States jointly prepared by State agencies and the Bureau of the Census under the auspices of the Federal-State Cooperative Program and published in **Current Population Reports**, Series P-26.

Census division estimates for July 1, 1971-1974 and provisional estimates for July 1, 1975, were published earlier in **Current Population Reports**, Series P-25, Nos. 517, 531, 604, and 638. The provisional estimates in the last cited report are superseded by the numbers published here.

The decision on methodology used in this report was based upon the results of tests of the methods. The Administrative Records method has been tested against special censuses conducted since 1970. The other methods were evaluated against the 1970 census. For a detailed description of the Federal-State Cooperative Program and an analysis of 1970 test results for methods other than the Administrative Records method, see **Current Population Reports**, Series P-26, No. 21, "Federal-State Cooperative Program for Local Population Estimates: Test Results—April 1, 1970," April 1973. The results of a test of the Administrative Records method for each State are presented in **Current Population Reports**, Series P-25, Nos. 546-595.

The estimates shown for July 1, 1975, are based on an average of the following methods, adjusted to agree with the July 1, 1975 State estimate published in Series P-25, No. 642.

1. **The Regression (ratio-correlation) method.**¹ In the Regression method a multiple regression equation is used to relate changes in a number of different data series to change in population distribution. The series of data used in the Regression method for Alaska are: elementary school enrollment in grades 1 through 8 plus elementary special and elementary ungraded (X_1), and a three-year average of resident births (X_2). The prediction equation for Alaska for the 1970's is given by

$$\hat{Y} = 0.2087 + 0.5125X_1 + 0.3309X_2$$

2. **Component Method II.**¹ This method employs vital statistics to measure natural increase and school enrollment to measure net migration. The estimates produced by Component Method II are specific to the population under 65 not residing in group quarters. To this population is added an estimate of the population 65 and over based on the change in Medicare enrollees from 1970 to the estimate date, the institutional and college population, and reported military population living in barracks.

¹ More detailed descriptions of the methods are given in **Current Population Reports**, Series P-25, Nos. 427 and 520. Modifications made to the methodologies for the current series will be given in forthcoming reports in Series P-25.

3. **The Administrative Records method.**¹ This is a component method which uses individual Federal income tax returns to measure the intercounty migration of the non-group quarters population and reported birth and death statistics to estimate natural increase. The tax returns are matched by Social Security number in the base year and the estimate year to determine the number of persons whose county of residence changed during the estimating period. A net migration rate based on exemptions claimed by the matched cases is then applied to the total population. The resulting estimate is made specific to the non-group quarters population under age 65 by excluding from the migration computations data relating to persons 65 years and over as well as persons residing in group quarters. These estimates of migration are then combined with the independent estimates of the population 65 and over used in the Component Method II estimate and the other components of population change—births, deaths, immigration, and the net movement between the military and civilian population

The provisional July 1, 1976 estimates for Anchorage were developed by adding to the 1975 estimates the average change between the 1975 and 1976 Component Method II estimates and the corresponding Housing Unit method estimates. In the **Housing Unit method** the estimates of the population are based on changes in the housing inventory that are derived from data on building permits issued and demolition records, or on electric meter connections. The provisional July 1, 1976 estimates for the remaining census divisions were developed by adding the change between 1975 and 1976 Component Method II estimates to the 1975 estimates. All census divisions were subsequently adjusted to agree with the provisional July 1, 1976 State estimate published in **Current Population Reports**, Series P-25, No. 642.

¹See footnote 1 on page 1.

Table 2 of this report presents estimates of the population of metropolitan areas and metropolitan census divisions in the State. The titles and definitions of the standard metropolitan statistical areas (SMSA's) are those currently defined by the Office of Management and Budget, Executive Office of the President. Where an SMSA falls in more than one State (indicated in the SMSA title) information on the other State parts of the area can be obtained by referring to the P-26 or P-25 report for that particular State.

Corresponding estimates for other States will be published as they become available. The appendix table lists reports published to date for States in the 1975-76 series, together with those published for earlier years.

The 1970 census populations for the State and census divisions shown on the table reflect all corrections to the census count made subsequent to the release of the official State figure. The only census division with a correction of more than 500 is Anchorage.

The estimates presented in the table have been rounded to the nearest hundred without being adjusted to the State total, which was independently rounded to the nearest thousand. Percentages are based on unrounded numbers. Births and deaths are taken from reported vital statistics from April 1, 1970, to December 31, 1975, with extrapolations through June 30, 1976. Net migration is the residual difference between net change and natural increase.

In addition to the county outline map published in all P-26 and P-25 reports for counties, the reports for July 1, 1975 and provisional July 1, 1976, include two computer-generated maps depicting population change and rate of migration. These maps are cross-hatched, the degree of which is in direct proportion to each area's percentage share of the change or migration.

Table 1. ESTIMATES OF THE POPULATION OF ALASKA CENSUS DIVISIONS: JULY 1, 1975 AND 1976

(State estimates are shown to the nearest thousand, census division estimates to the nearest hundred)

CENSUS DIVISION	JULY 1, 1976 (PROVI- SIONAL)	JULY 1, 1975	APRIL 1, 1970 (CENSUS) ¹	CHANGE, 1970 TO 1976		COMPONENTS OF CHANGE, 1970 TO 1976 ²			
				NUMBER	PERCENT	BIRTHS	DEATHS	NET MIGRATION	
								NUMBER	PERCENT
ALASKA.....	382,000	365,000	302,583	79,000	26.3	45,000	9,000	44,000	14.6
ALEUTIAN ISLANDS.....	7,600	7,900	8,221	-700	-8.0	600	100	-1,200	-14.1
ANCHORAGE.....	167,500	161,300	126,385	41,100	32.6	19,700	3,100	24,500	19.4
ANGON.....	800	800	503	300	59.8	100	(2)	300	52.9
BARROW-NORTH SLOPE.....	4,000	3,900	3,451	600	17.0	400	100	300	8.9
BETHEL.....	9,400	9,300	7,767	1,600	20.7	1,300	300	500	7.0
BRISTOL BAY BOROUGH.....	1,200	1,200	1,147	100	7.4	100	(2)	(2)	3.4
BRISTOL BAY.....	3,900	4,000	3,485	500	12.9	500	100	100	3.2
CORDOVA-MCCARTHY.....	2,400	2,200	1,857	600	31.5	200	100	500	25.6
FAIRBANKS.....	53,300	50,000	45,864	7,400	16.2	7,300	1,100	1,200	2.6
HAINES.....	2,000	2,100	1,504	500	34.9	200	100	400	27.8
JUNEAU.....	17,500	16,800	13,556	4,000	29.2	1,700	500	2,800	20.6
KENAI-COOK INLET.....	17,400	16,000	14,250	3,200	22.3	1,800	400	1,800	12.6
KETCHIKAN.....	10,700	11,000	10,041	600	6.2	1,300	500	-200	-2.4
KOBUK.....	4,800	4,800	4,048	800	19.0	700	200	200	4.5
KODIAK.....	9,100	9,400	9,409	-300	-3.4	1,400	300	-1,400	-15.0
KUSKOKWIM.....	2,800	2,800	2,306	500	23.2	300	100	300	15.0
MATANUSKA-SUSITNA.....	12,700	10,900	6,509	6,200	95.7	900	300	5,600	86.4
NOME.....	6,700	6,500	5,749	1,000	17.0	900	300	400	6.5
OUTER KETCHIKAN.....	1,800	1,800	1,676	100	4.7	200	100	-100	-5.4
PRINCE OF WALES.....	3,000	2,700	2,106	900	41.3	200	100	700	35.1
SEWARD.....	3,500	3,000	2,336	1,200	50.6	300	100	1,000	44.5
SITKA.....	7,000	6,600	6,109	900	14.3	700	200	400	5.9
SKAGWAY-YAKUTAT.....	2,700	2,600	2,157	500	23.7	300	100	300	15.8
SOUTHEAST FAIRBANKS.....	5,000	4,600	4,179	900	20.8	700	100	300	7.0
UPPER YUKON.....	1,600	1,600	1,282	400	27.8	200	100	200	19.3
VALDEZ-CHITINA-WHITTIER.....	7,400	5,100	3,098	4,300	139.3	400	100	4,000	129.4
WADE HAMPTON.....	4,500	4,600	3,917	600	15.8	700	100	(2)	0.9
WRANGELL-PETERSBURG.....	5,800	5,900	4,913	800	17.2	700	300	400	8.4
YUKON-KOYUKUK.....	5,600	5,400	4,758	900	18.5	600	200	500	11.0

Z LESS THAN 50 PERSONS OR LESS THAN 0.05 PERCENT.

¹THE TOTAL FOR THE STATE SHOWN HERE INCLUDES ALL CORRECTIONS TO THE 1970 CENSUS MADE SUBSEQUENT TO THE RELEASE OF THE OFFICIAL COUNTS. THE OFFICIAL 1970 CENSUS COUNT FOR ALASKA WAS 302,173.²BIRTHS AND DEATHS ARE BASED ON REPORTED VITAL STATISTICS FROM APRIL 1, 1970 TO DECEMBER 31, 1975, WITH EXTRAPOLATIONS TO JUNE 30, 1976. NET MIGRATION IS THE DIFFERENCE BETWEEN NET CHANGE AND NATURAL INCREASE.

Table 2. ESTIMATES OF THE POPULATION OF METROPOLITAN AREAS AND THEIR COMPONENT CENSUS DIVISIONS: ALASKA, JULY 1, 1975 AND 1976

(SMSA totals rounded independently of census division numbers)

STANDARD METROPOLITAN STATISTICAL AREA AND CENSUS DIVISION	JULY 1, 1976 (PROVI- SIONAL)	JULY 1, 1975	APRIL 1, 1970 (CENSUS)	CHANGE, 1970 TO 1976		COMPONENTS OF CHANGE, 1970 TO 1976 ¹			
				NUMBER	PERCENT	BIRTHS	DEATHS	NET MIGRATION	
								NUMBER	PERCENT
ANCHORAGE.....	167,500	161,300	126,385	41,100	32.6	19,700	3,100	24,500	19.4
ANCHORAGE.....	167,500	161,300	126,385	41,100	32.6	19,700	3,100	24,500	19.4
METROPOLITAN.....	167,500	161,300	126,385	41,100	32.6	19,700	3,100	24,500	19.4
NONMETROPOLITAN.....	214,500	203,300	176,198	38,300	21.7	24,800	6,100	19,600	11.1

¹BIRTHS AND DEATHS ARE BASED ON REPORTED VITAL STATISTICS FROM APRIL 1, 1970 TO DECEMBER 31, 1975, WITH EXTRAPOLATIONS TO JUNE 30, 1976. NET MIGRATION IS THE DIFFERENCE BETWEEN NET CHANGE AND NATURAL INCREASE.

APPENDIX

ESTIMATES PUBLISHED IN SERIES P-26 REPORTS SINCE 1970

(Reports issued under the Federal-State Cooperative Program for Population Estimates, jointly prepared by the Bureau of the Census and designated State agencies)

State	Report No.*			State	Report No.*		
	1975 and provisional 1976	1974 and provisional 1975	1973 and provisional 1974		1975 and provisional 1976	1974 and provisional 1975	1973 and provisional 1974
Ala.....	76-1	75-1	125	Mont.....	76-26	75-26	109
Alaska.....	(¹)	(²)	(³)	Nebr.....	76-27	75-27	104
Ariz.....	76-3	75-3	94	Nev.....	76-28	75-28	117
Ark.....	76-4	75-4	115	N. H.....	76-29	75-29	107
Calif.....	76-5	75-5	119	N. J.....	76-30	75-30	135
Colo.....	76-6	75-6	103	N. Mex.....	76-31	75-31	123
Conn.....	76-7	75-7	116	N. Y.....	76-32	(²)	(³)
Del.....	76-8	75-8	111	N. C.....	76-33	75-33	114
Fla.....		75-9	130	N. Dak.....	76-34	75-34	102
Ga.....		75-10	124	Ohio.....		75-35	122
Hawaii.....	76-11	75-11	105	Okla.....	76-36	75-36	112
Idaho.....	76-12	75-12	106	Oreg.....		75-37	(³)
Ill.....	76-13	75-13	128	Pa.....	76-38	75-38	136
Ind.....	76-14	75-14	113	R. I.....	76-39	75-39	98
Iowa.....	76-15	75-15	138	S. C.....	76-40	75-40	108
Kans.....		75-16	129	S. Dak.....	76-41	75-41	101
Ky.....	76-17	75-17	120	Tenn.....		75-42	133
La.....	76-18	75-18	97	Tex.....		(²)	(³)
Maine.....	76-19	75-19	99	Utah.....	76-44	75-44	96
Md.....	76-20	(²)	(³)	Vt.....	76-45	75-45	95
Mass.....		(²)	137	Va.....	76-46	75-46	127
Mich.....	76-22	75-22	110	Wash.....	(¹)	(²)	(³)
Minn.....	76-23	75-23	132	W. Va.....		75-48	121
Miss.....		75-24	131	Wis.....	76-49	75-49	126
Mo.....		75-25	134	Wyo.....	76-50	75-50	100

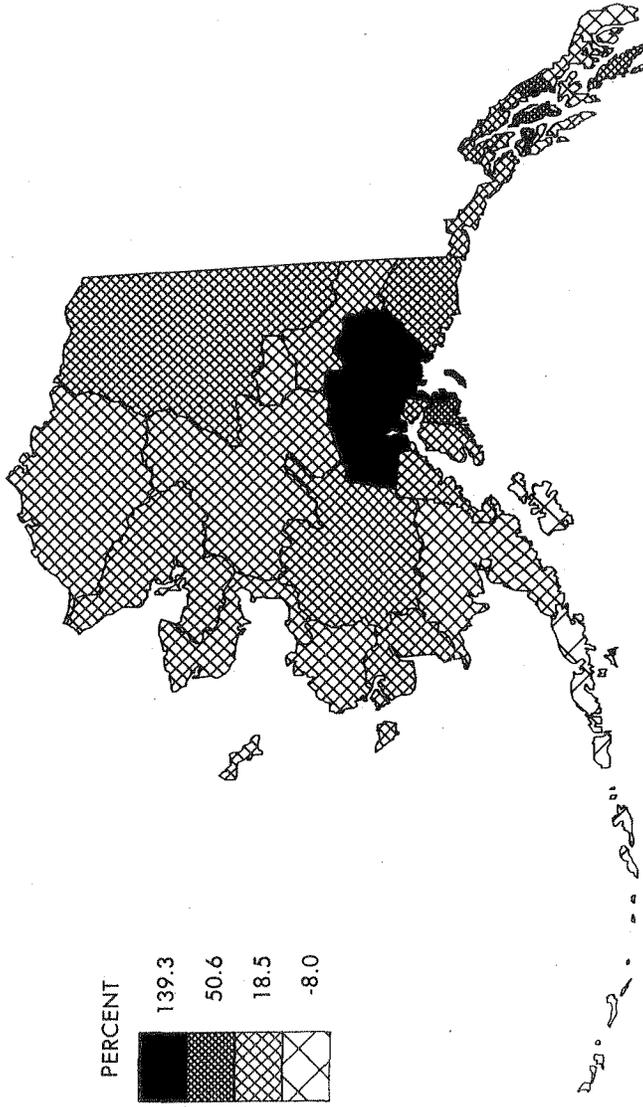
*County estimates for all States for 1971 and provisional 1972 are published in Series P-25, No. 517. County estimates for all States for 1972 and provisional 1973 are published in Series P-26, Nos. 49-93 and Series P-25, Nos. 527, 530, 531, 532, and 535.

¹County or county equivalent estimates for 1975 and provisional 1976 are published in Series P-25 for the following States: Washington, No. 707, and Alaska, No. 712.

²County or county equivalent estimates for 1974 and provisional 1975 are published in Series P-25 for the following States: Washington, No. 624; Maryland, No. 629; New York, No. 631; Massachusetts, No. 633; Texas, No. 637; and Alaska, No. 638.

³County or county equivalent estimates for 1973 and provisional 1974 are published in Series P-25 for the following States: Maryland, No. 596; Washington, No. 597; New York, No. 599; Oregon, No. 602; Alaska, No. 604; and Texas, No. 609.

PERCENT CHANGE IN POPULATION OF ALASKA CENSUS DIVISIONS
1970—1976



PERCENT

139.3
50.6
18.5
-8.0

PERCENT NET MIGRATION FOR ALASKA CENSUS DIVISIONS
1970—1976

