



# Population Estimates and Projections

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## ESTIMATES OF THE POPULATION OF ALASKA CENSUS DIVISIONS AND METROPOLITAN AREAS: JULY 1, 1972 AND 1973

This report presents population estimates for July 1, 1972 and provisional estimates for July 1, 1973, 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. For a more detailed description of the Federal-State Cooperative Program for Local Population Estimates and an analysis of the 1970 test results, see Current Population Reports, Series P-26, No. 21, "Federal-State Cooperative Program for Local Population Estimates: Test Results--April 1, 1970," April 1973.

Census division estimates for July 1, 1971 and provisional estimates for July 1, 1972 were published earlier in Current Population Reports, Series P-25, No. 517. The provisional estimates in that report are superseded by the numbers published here. Because of changes in input data for some census divisions since that report, the estimates shown here may not always be completely comparable with those shown for the earlier years.

The estimates shown for July 1, 1972 are based on an average of the following methods, adjusted to agree with the July 1, 1972 State estimates published in Series P-25, No. 520.

1. The Regression (ratio-correlation) method. 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.<sup>1</sup> 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 three-year averages 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. This method employs vital statistics to measure natural increase and school enrollment to measure net migration. The estimates made by the Census Bureau's Component Method II are specific to the civilian population under 65. To this population is added an estimate of the resident military population based on station strength statistics and an estimate of the population 65 and over based on Medicare statistics.<sup>1</sup>

The provisional July 1, 1973 estimate for Anchorage Census Division was developed by adding the average change between 1972 and 1973

<sup>1</sup>Descriptions of methodologies are given in Current Population Reports, Series P-25, No. 427 and 520. Modifications made to the methodologies for the current series will be given in forthcoming reports in Series P-25.

estimates based on Component Method II and the Housing Unit method to the 1972 estimates. In the Housing Unit method the estimates of population are based on estimates of the housing inventory. Changes in the housing inventory are derived from data on building permits issued and demolition records, or on data on electric meter connections. The provisional July 1, 1973 estimates for the remaining census divisions were developed by adding the change between 1972 and 1973 Component Method II estimates to the 1972 estimates. All census divisions were subsequently adjusted to agree with the provisional July 1, 1973 State estimate published in Current Population Reports, Series P-25, No. 520.

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.

Corresponding estimates for other States in the program will be published as they become available. The appendix table shows reports published to date for States in the 1972-73 series, together with those published earlier for 1971 and provisional 1972.

The 1970 census total for the State shown on the table may differ slightly from the sum of the census divisions because of corrections made subsequent to the release of the official State figure. All census division populations for 1970 reflect corrections in the census count published in the bound 1970 census volume for the State. 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.

**Table 1. ESTIMATES OF THE POPULATION OF ALASKA CENSUS DIVISIONS:  
JULY 1, 1972 AND JULY 1, 1973**

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

Division	July 1, 1973 (provi- sional)	July 1, 1972	April 1, 1970 (census) <sup>1</sup>	Change, 1970 to 1973		Components of change, 1970 to 1973 <sup>2</sup>			
				Number	Percent	Births	Deaths	Net migration	
								Number	Percent
Alaska.....	330,000	325,000	302,173	28,000	9.2	23,000	5,000	9,000	3.1
Aleutian Islands.....	7,400	7,600	8,057	-600	-7.5	400	100	-1,000	-11.8
Anchorage.....	146,900	142,200	126,385	20,500	16.2	10,300	1,600	11,700	9.3
Angoon.....	500	500	503	(Z)	-0.6	(Z)	(Z)	(Z)	-3.4
Barrow-North Slope <sup>3</sup> .....	2,800	2,700	2,663	100	4.4	200	100	(Z)	-1.7
Bethel.....	8,000	8,000	7,767	300	3.4	700	100	-300	-4.1
Bristol Bay Borough.....	1,100	1,100	1,147	-100	-6.7	(Z)	(Z)	-100	-8.7
Bristol Bay.....	3,600	3,700	3,485	100	2.6	300	100	-100	-2.5
Cordova-McCarthy.....	2,000	1,900	1,857	100	5.4	100	100	100	3.6
Fairbanks.....	47,400	47,100	45,864	1,500	3.3	4,000	600	-2,000	-4.3
Haines.....	1,800	1,700	1,504	300	19.5	100	(Z)	200	16.2
Juneau.....	16,100	14,900	13,556	2,500	18.7	800	300	2,000	14.8
Kenai-Cook Inlet.....	13,700	14,500	14,250	-600	4.1	900	200	-1,300	-9.1
Ketchikan.....	10,200	10,300	10,041	100	1.1	700	300	-300	-3.5
Kobuk <sup>3</sup> .....	4,700	4,400	4,434	300	6.4	400	100	(Z)	(Z)
Kodiak.....	8,200	9,300	9,409	-1,200	12.6	800	200	-1,800	-19.4
Kuskokwim.....	2,500	2,300	2,306	200	6.9	100	100	100	3.5
Matanuska-Susitna.....	8,700	8,000	6,509	2,200	34.0	400	100	1,900	29.5
Nome.....	5,800	5,900	5,749	(Z)	0.3	500	200	-300	-5.0
Outer Ketchikan.....	1,600	1,700	1,676	-100	-6.0	100	100	-200	-10.0
Prince of Wales.....	2,200	2,000	2,106	100	3.6	100	(Z)	(Z)	0.9
Seward.....	2,600	2,600	2,336	200	9.5	100	100	100	6.3
Sitka.....	6,000	6,100	6,109	-100	-1.6	400	100	-400	-5.7
Skagway-Yakutat.....	2,300	2,300	2,157	100	5.4	100	100	(Z)	1.2
Southeast Fairbanks.....	4,500	4,400	4,179	400	8.5	400	(Z)	(Z)	0.7
Upper Yukon <sup>3</sup> .....	1,800	1,700	1,684	100	6.2	100	(Z)	100	3.4
Valdez-Chitina-Whittier..	3,600	3,500	3,098	500	17.6	200	(Z)	400	12.8
Wade Hampton.....	4,200	4,100	3,917	300	7.4	400	100	(Z)	-0.1
Wrangell-Petersburg.....	5,400	5,300	4,913	400	8.9	400	200	200	4.5
Yukon-Koyukuk.....	5,000	5,000	4,758	300	5.7	300	100	100	1.9

Z Less than 50 persons or less than 0.05 percent.

<sup>1</sup>Total does not agree with the sum of the census divisions due to corrections made to the census division populations after release of the official State counts.

<sup>2</sup>Births and deaths are based on reported vital statistics from April 1, 1970, to December 31, 1972, with extrapolations to June 30, 1973. Net migration is the difference between net change and natural increase.

<sup>3</sup>The estimates shown in the table do not reflect modifications made to certain census division boundaries since the 1970 census. The boundary changes affect Barrow-North Slope, Kobuk, and Upper Yukon, and are shown on the accompanying map. The effect of these changes on the estimates is expected to be minimal.

**Table 2. ESTIMATES OF THE POPULATION OF METROPOLITAN AREAS AND THEIR COMPONENT CENSUS DIVISIONS: ALASKA, JULY 1, 1972 AND 1973**

(SMSA totals rounded independently of division numbers)

Standard metropolitan statistical area and division	July 1, 1973 (provisional)	July 1, 1972	April 1, 1970 (census)	Change, 1970 to 1973		Components of change, 1970 to 1973 <sup>1</sup>			
				Number	Percent	Births	Deaths	Net migration	
								Number	Percent
ANCHORAGE.....	146,900	142,200	126,385	20,500	16.2	10,300	1,600	11,700	9.3
Anchorage.....	146,900	142,200	126,385	20,500	16.2	10,300	1,600	11,700	9.3

<sup>1</sup>Births and deaths are based on reported vital statistics from April 1, 1970, to December 31, 1972, with extrapolations to June 30, 1973. Net migration is the difference between net change and natural increase.

## APPENDIX

### ESTIMATES PUBLISHED IN SERIES P-26 REPORTS SINCE 1970 CENSUS

State	Report No.		State	Report No.		State	Report No.		State	Report No.	
	1972 and provisional 1973	1971 and provisional 1972		1972 and provisional 1973	1971 and provisional 1972		1972 and provisional 1973	1971 and provisional 1972		1972 and provisional 1973	1971 and provisional 1972
Ala.....	76	48	Ind....	75	14	Nebr....	58	25	R.I.....	65	22
Alaska...	( <sup>1</sup> )	(X)	Iowa...	72	31	Nev.....	67	29	S.C.....	71	34
Ariz.....	50	*11	Kans...	64	43	N.H.....	52	18	S.Dak...	61	*12
Ark.....	70	33	Ky.....	84	35	N.J.....	82	20	Tenn....	83	47
Calif....		*41	La.....	54	*16	N.Mex...	85	(X)	Tex.....		(X)
Colo.....	62	17	Maine..	59	28	N.Y.....	( <sup>1</sup> )	(X)	Utah....	55	10
Conn.....	79	(X)	Md.....	( <sup>1</sup> )	(X)	N.C.....	68	44	Vt.....	49	*13
Del.....	57	15	Mass...		42	N.Dak...	60	(X)	Va.....	88	36
Fla.....	90	46	Mich...	69	32	Ohio....	80	*40	Wash....	66	(X)
Ga.....		37	Minn...	87	38	Okla....	63	24	W.Va....	89	30
Hawaii...	56	23	Miss...	86	(X)	Oreg....	74	(X)	Wis.....	81	26
Idaho....	51	9	Mo.....	77	45	Pa.....		*39	Wyo.....	73	(X)
Ill.....	78	27	Mont...	53	19						

\* First year only.

X No estimates published for this State.

<sup>1</sup>Estimates for New York counties are published in Current Population Reports, Series P-25, No. 527; estimates for Maryland counties are published in Series P-25, No. 530; estimates for Alaska census divisions are published in Series P-25, No. 531.

# CENSUS DIVISIONS, METROPOLITAN AREAS, AND SELECTED PLACES: ALASKA

