



Population Estimates and Projections

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ESTIMATES OF THE POPULATION OF MARYLAND COUNTIES 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 counties and metropolitan areas in Maryland. 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.

County 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 The provisional estimates in that report are superseded by the numbers published here.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 counties 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. 508.

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.¹ The series of data used in the Regression method for Maryland are: two-year average of resident births (X_1), two-year average of resident deaths (X_2), total enrollment in grades 1 through 12 (X_3), automobile registrations (X_4), and individual State income tax returns (X_5). The prediction equation for Maryland for the 1970's is given by

$$\hat{Y}_t = 0.0202 + 0.2202X_1 - 0.0158X_2 + 0.4915X_3 + 0.2411X_4 + 0.0416X_5$$

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.¹

¹Descriptions of methodologies are given in Current Population Reports, Series P-25, No. 427 and 520.

3. Drivers license method. In this method, age- and race-specific drivers license statistics for males are used to estimate the male population ages 18 to 64 years in two stages: 18 to 44 years and 45 to 64 years. Sex ratios, based on the 1970 census, are used to estimate the female population. These estimates are then combined with estimates of the population under 18 years and 65 years old and over to yield an estimate of the total population in each county.²

4. State income tax return method. The sum of persons filing Maryland resident individual income tax returns plus their spouses are used to estimate the total population 18 years old and over. These estimates, for each county, are then combined with independent estimates of the population under 18 years old to yield estimates of the total population.²

The provisional July 1, 1973 estimates for large metropolitan counties were developed by adding the average change between 1972 and 1973 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 counties were developed by adding the change between 1972 and 1973 Component Method II

²For more information regarding these estimates, contact Maryland Center for Health Statistics, State Department of Health and Mental Hygiene, 610 North Howard Street, Baltimore, Maryland 21201.

estimates to the 1972 estimates. All counties 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 counties 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 appropriate P-25 or P-26 report for the other States.

Corresponding estimates for other States will be published as they become available. The appendix table shows reports published in either Series P-25 or Series P-26 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 counties because of corrections made subsequent to the release of the official State figure. All county populations for 1970 reflect corrections in the census count published in the bound 1970 census volume for the State. Counties with corrections of more than 500 are Anne Arundel, Baltimore, and Prince Georges.

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 MARYLAND COUNTIES:
JULY 1, 1972 AND JULY 1, 1973**

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

County	July 1, 1973 (provi- sional)	July 1, 1972	April 1, 1970 (census) ¹	Change, 1970 to 1973		Components of change, 1970 to 1973 ²			
				Number	Percent	Births	Deaths	Net migration	
								Number	Percent
Maryland.....	4,070,000	4,048,000	3,922,399	147,000	3.7	205,000	107,000	49,000	1.2
Allegany.....	83,600	84,400	84,044	-500	-0.6	3,900	3,200	-1,200	-1.4
Anne Arundel.....	321,700	314,100	298,042	23,700	8.0	15,900	6,300	14,100	4.7
Baltimore.....	637,500	635,800	620,409	17,100	2.8	26,900	15,400	5,700	0.9
Calvert.....	23,700	22,900	20,682	3,100	14.8	1,400	700	2,300	11.3
Caroline.....	20,700	20,300	19,781	1,000	4.8	1,000	800	800	4.2
Carroll.....	76,100	74,300	69,006	7,000	10.2	3,400	1,900	5,600	8.1
Cecil.....	55,300	54,400	53,291	2,100	3.8	3,200	1,500	300	0.6
Charles.....	54,600	53,800	47,678	6,900	14.5	3,300	1,100	4,700	9.8
Dorchester.....	28,800	29,300	29,405	-600	-1.9	1,400	1,300	-600	-2.2
Frederick.....	91,600	88,700	84,927	6,700	7.9	4,600	2,500	4,600	5.4
Garrett.....	23,500	23,000	21,476	2,000	9.2	1,300	700	1,400	6.5
Harford.....	129,100	124,400	115,378	13,700	11.9	6,900	2,300	9,100	7.9
Howard.....	80,800	76,700	62,394	18,400	29.5	3,400	1,300	16,300	26.1
Kent.....	16,500	16,600	16,146	300	2.1	700	700	300	1.6
Montgomery.....	560,900	547,800	522,809	38,100	7.3	24,000	10,300	24,400	4.7
Prince Georges.....	695,000	693,700	661,082	33,900	5.1	41,200	11,200	3,900	0.6
Queen Annes.....	19,000	19,100	18,422	600	3.1	800	700	400	2.4
St. Marys.....	49,000	50,200	47,388	1,600	3.4	3,700	1,000	-1,100	-2.3
Somerset.....	18,600	18,900	18,924	-300	-1.7	900	900	-300	-1.7
Talbot.....	24,800	24,400	23,682	1,100	4.6	1,000	1,000	1,100	4.6
Washington.....	105,200	105,200	103,829	1,400	1.3	5,200	3,200	-600	-0.6
Wicomico.....	56,900	56,100	54,236	2,700	4.9	2,700	2,000	1,900	3.6
Worcester.....	25,500	25,100	24,442	1,100	4.5	1,200	1,000	1,000	4.0
INDEPENDENT CITY									
Baltimore.....	871,300	889,000	905,787	-34,500	-3.8	47,000	36,000	-45,500	-5.0

¹Total does not agree with the sum of the counties due to corrections made to the county populations after release of the official State counts.

²Births 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.

Table 2. ESTIMATES OF THE POPULATION OF METROPOLITAN AREAS AND THEIR COMPONENT COUNTIES: MARYLAND, JULY 1, 1972 AND 1973

(SMSA totals rounded independently of county numbers)

Standard metropolitan statistical area and county	July 1, 1973 (provisional)	July 1, 1972	April 1, 1970 (census)	Change, 1970 to 1973		Components of change, 1970 to 1973 ¹			
				Number	Percent	Births	Deaths	Net migration	
								Number	Percent
BALTIMORE, MD.....	2,116,500	2,114,300	2,071,016	45,500	2.2	103,500	63,300	5,200	0.3
Anne Arundel.....	321,700	314,100	298,042	23,700	8.0	15,900	6,300	14,100	4.7
Baltimore.....	637,500	635,800	620,409	17,100	2.8	26,900	15,400	5,700	0.9
Carroll.....	76,100	74,300	69,006	7,000	10.2	3,400	1,900	5,600	8.1
Harford.....	129,100	124,400	115,378	13,700	11.9	6,900	2,300	9,100	7.9
Howard.....	80,800	76,700	62,394	18,400	29.5	3,400	1,300	16,300	26.1
Baltimore city.....	871,300	889,000	905,787	-34,500	-3.8	47,000	36,000	-45,500	-5.0
WASHINGTON, D.C.-MD.-VA. (Maryland portion).....	1,310,500	1,295,400	1,231,569	79,000	6.4	68,500	22,600	33,000	2.7
Charles.....	54,600	53,800	47,678	6,900	14.5	3,300	1,100	4,700	9.8
Montgomery.....	560,900	547,800	522,809	38,100	7.3	24,000	10,300	24,400	4.7
Prince Georges.....	695,000	693,700	661,082	33,900	5.1	41,200	11,200	3,900	0.6
WILMINGTON, DEL.-N.J.-MD. (Maryland portion).....	55,300	54,400	53,291	2,100	3.8	3,200	1,500	300	0.6
Cecil.....	55,300	54,400	53,291	2,100	3.8	3,200	1,500	300	0.6

¹Births 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...	(X)	(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.....	(¹)	(X)	Utah....	55	10
Conn.....	79	(X)	Md.....	(¹)	(X)	N.C.....		44	Vt.....	49	*13
Del.....	57	15	Mass...		42	N.Dak....	68	(X)	Va.....		36
Fla.....		46	Mich...	69	32	N.H.....	60	(X)	Wash....	66	(X)
Ga.....		37	Minn...	87	38	Ohio....	80	*40	W.Va....		30
Hawaii...	56	23	Miss...	86	(X)	Okla....	63	24	Wis.....		26
Idaho....	51	9	Mo.....	77	45	Oreg....	74	(X)	Wyo.....	73	(X)
Ill.....	78	27	Mont...	53	19	Pa.....		*39			

* First year only.

X No estimates published for this State.

¹Estimates for New York counties are published in Series P-25, No. 527; estimates for Maryland counties are published in Series P-25, No. 530.

COUNTIES, METROPOLITAN AREAS, AND SELECTED PLACES: MARYLAND

