



# Population Estimates and Projections

U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

Series P-25, No. 599

Issued June 1975

## ESTIMATES OF THE POPULATION OF NEW YORK COUNTIES AND METROPOLITAN AREAS: JULY 1, 1973 AND 1974

This report presents population estimates for July 1, 1973 and provisional estimates for July 1, 1974 for counties and metropolitan areas in New York. 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.

County estimates for July 1, 1971, July 1, 1972, and provisional estimates for July 1, 1973, were published earlier in **Current Population Reports**, Series P-25, Nos. 517 and 527. The provisional estimates in the last report are superseded by the numbers published here.

This report introduces an additional estimating procedure using administrative records, made possible by the availability of a new data source. Because of the resultant change in weighting of methods and changes in input data in other methods used, estimates shown here may not always be comparable with those for the earlier years.

The methods used have been tested against the 1970 census and recent special censuses. A decision on current methodology was made jointly by the individual States and the Bureau of the Census on the basis of the tests. For a more detailed description of the program and an analysis of 1970 test results for methods other than the recently developed 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. Results of a test of the Administrative Records method are presented in **Current Population Reports**, Series P-25, No. 577.<sup>1</sup>

The estimates shown for July 1, 1973, are based on an average of the following methods, adjusted to agree with the July 1, 1973 State estimate published in Series P-25, No. 533.

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>2</sup> The series of data used in the Regression method for New York are: elementary school enrollment in grades 1 through 8 plus elementary special and elementary ungraded ( $X_1$ ), two-year average of resident births ( $X_2$ ), two-year average of resident deaths ( $X_3$ ), and registered

---

<sup>1</sup> Results of earlier studies were given in "Use of Administrative Records for Small-Area Population Estimates," by Meyer Zitter and David L. Word; a paper presented at the Annual Meeting of Population Association of America, New Orleans, Louisiana, April 27, 1974. A copy of this paper can be obtained by writing Chief, Population Division, Bureau of the Census, Washington, D.C. 20233.

<sup>2</sup> Descriptions of methodologies 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.

automobiles ( $X_4$ ). The prediction equation for New York for the 1970's is given by

$$\hat{Y} = 0.0203 + 0.1847X_1 + 0.2283X_2 + 0.1528X_3 + 0.4406X_4$$

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 population 65 and over based on Medicare statistics and an estimate of the resident military population based on station strength statistics.<sup>2</sup>

3. **The Administrative Records method.** This newly developed component method uses administrative records (in this instance individual Federal income tax returns) to measure civilian intercounty migration and reported vital statistics to estimate natural increase.<sup>3</sup> The tax returns are matched for the successive periods to determine the number of persons whose county of residence changed during the estimating period. A net migration rate based on the number of taxpayers changing residence is derived; this rate is then assumed to apply to the total population. This estimate is made specific to the civilian population under age 65 by excluding from the migration computations data relating to persons 65 years and over. These estimates are then combined with independent estimates of the population 65 and over based on Medicare statistics. The other components of population change—births, deaths, immigration, net movement between the Armed Forces and civilian population, and resident military population—are identical with Component Method II (described above).

The provisional July 1, 1974 estimates for large metropolitan counties were developed by adding the average change between 1973 and 1974 estimates based on Component Method II and the Housing Unit method to the 1973 estimates. In the **Housing Unit method** the estimates of the 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, 1974 estimates for the remaining counties were developed by adding the change between 1973 and 1974 Component Method II estimates to the 1973 estimates. All counties were subsequently adjusted to agree with the provisional July 1, 1974 State estimate published in **Current Population Reports**, Series P-25, No. 533.

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 P-26 report for the other States.

The 1973 estimates published in this report represent revisions to county estimates shown in **Current Population Reports**, Series P-25, No. 577. They reflect more current data on population change than were available at the time that the Series P-25 report was prepared. The estimates for counties, incorporated places, and other general purpose governments published in the Series P-25 report were used as the basis for the distribution of funds under the State and Local Fiscal Assistance Act of 1972. See that report for a description of methods, assumptions, and limitations of the estimates.

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 1973-74 series, together with those published earlier in the decade.

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 the most recent corrections in the census count. Counties with corrections of more than 500 are Nassau, Queens, and Suffolk.

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.

<sup>2</sup> See footnote 2 on page 1.

<sup>3</sup> For a discussion of this methodology see Donald E. Starsinic, "Development of Population Estimates for Revenue Sharing Areas," in U.S. Bureau of the Census, **Census Tract Papers**, Series GE-40, No. 10; and Zitter and Word, *op cit*.

Table 1. ESTIMATES OF THE POPULATION OF NEW YORK COUNTIES:  
JULY 1, 1973 AND JULY 1, 1974

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

County	July 1, 1974 (provi- sional)	July 1, 1973	April 1, 1970 (census) <sup>1</sup>	Change, 1970 to 1974		Components of change 1970 to 1974 <sup>2</sup>			
				Number	Percent	Births	Deaths	Net migration	
								Number	Percent
New York.....	18,111,000	18,214,000	18,241,266	-131,000	-0.7	1,134,000	783,000	-481,000	-2.6
Albany.....	288,700	289,600	286,742	1,900	0.7	16,300	13,500	-800	-0.3
Allegany.....	49,900	49,500	46,458	3,400	7.3	3,200	2,000	2,100	4.6
Bronx.....	1,393,200	1,425,500	1,471,701	-78,500	-5.3	105,700	67,900	-116,200	-7.9
Broome.....	216,900	219,600	221,815	-4,900	-2.2	13,100	8,900	-9,200	-4.1
Cattaraugus.....	84,600	84,200	81,666	3,000	3.6	5,800	3,800	900	1.1
Cayuga.....	77,800	77,900	77,439	300	0.4	5,200	3,600	-1,200	-1.6
Chautauqua.....	148,000	148,700	147,305	700	0.4	9,300	7,300	-1,400	-0.9
Chemung.....	99,300	100,300	101,537	-2,200	-2.2	6,300	4,500	-4,000	-4.0
Chenango.....	49,200	47,100	46,368	2,800	6.1	3,100	2,100	1,800	3.9
Clinton.....	81,300	79,800	72,934	8,300	11.4	5,600	2,400	5,200	7.1
Columbia.....	55,500	55,600	51,519	4,000	7.8	3,200	2,900	3,600	7.1
Cortland.....	47,900	46,800	45,894	2,000	4.3	3,200	1,900	700	1.5
Delaware.....	46,600	46,500	44,718	1,900	4.2	2,900	2,300	1,300	2.9
Dutchess.....	233,300	230,700	222,295	11,000	5.0	13,500	7,800	5,300	2.4
Erie.....	1,093,400	1,108,400	1,113,491	-20,100	-1.8	66,100	48,100	-38,200	-3.4
Essex.....	35,900	35,400	34,631	1,200	3.6	2,200	1,700	700	2.1
Franklin.....	45,200	44,600	43,931	1,200	2.8	3,000	2,300	500	1.1
Fulton.....	55,600	55,000	52,637	3,000	5.6	3,400	3,000	2,500	4.8
Genesee.....	59,800	59,900	58,722	1,100	1.8	4,200	2,400	-700	-1.2
Greene.....	37,700	36,900	33,136	4,600	13.7	2,300	2,100	4,400	13.3
Hamilton.....	5,100	5,100	4,714	400	8.3	300	300	400	8.1
Herkimer.....	67,600	68,100	67,633	-100	-0.1	4,400	3,400	-1,100	-1.6
Jefferson.....	90,800	90,700	88,508	2,300	2.6	6,400	4,500	500	0.6
Kings.....	2,448,100	2,484,100	2,602,012	-153,900	-5.9	188,400	116,900	-225,500	-8.7
Lewis.....	25,100	24,800	23,644	1,400	6.0	1,800	1,100	700	2.9
Livingston.....	55,900	56,300	54,041	1,800	3.4	3,700	2,000	100	0.2
Madison.....	65,100	64,800	62,864	2,200	3.5	4,400	2,500	300	0.5
Monroe.....	706,900	710,700	711,917	-5,000	-0.7	45,400	26,100	-24,300	-3.4
Montgomery.....	56,200	56,900	55,883	400	0.6	3,400	3,300	300	0.5
Nassau.....	1,398,000	1,415,600	1,428,838	-30,800	-2.2	61,700	49,200	-43,300	-3.0
New York.....	1,440,200	1,462,300	1,539,233	-99,000	-6.4	81,600	87,600	-93,000	-6.0
Niagara.....	237,300	236,900	235,720	1,500	0.7	14,600	9,400	-3,600	-1.5
Oneida.....	270,300	271,600	273,037	-2,700	-1.0	17,500	11,500	-8,600	-3.2
Onondaga.....	472,200	472,800	472,835	-600	-0.1	30,000	17,800	-12,800	-2.7
Ontario.....	84,600	82,900	78,849	5,800	7.3	5,200	3,300	3,800	4.8
Orange.....	239,700	235,200	221,657	18,000	8.1	15,600	9,900	12,300	5.6
Orleans.....	38,400	38,300	37,305	1,100	3.0	2,700	1,600	(Z)	0.1
Oswego.....	108,500	106,400	100,897	7,600	7.6	7,900	4,200	3,900	3.9
Otsego.....	58,500	57,800	56,181	2,300	4.2	3,100	2,700	2,000	3.5
Putnam.....	65,900	64,100	56,696	9,200	16.3	3,900	2,000	7,300	12.9
Queens.....	1,962,900	1,976,300	1,987,174	-24,300	-1.2	112,300	88,100	-48,600	-2.4
Rensselaer.....	153,800	155,400	152,510	1,300	0.8	10,100	7,200	-1,600	-1.0
Richmond.....	322,700	316,100	295,443	27,200	9.2	19,700	11,600	19,100	6.5
Rockland.....	246,000	243,200	229,903	16,100	7.0	13,600	6,500	9,000	3.9
St. Lawrence.....	116,600	115,500	112,309	4,200	3.8	7,800	4,700	1,100	1.0
Saratoga.....	140,700	138,400	121,764	18,900	15.6	9,700	4,500	13,700	11.3
Schenectady.....	159,900	160,400	161,078	-1,100	-0.7	9,500	7,400	-3,200	-2.0
Schoharie.....	28,700	28,400	24,750	4,000	16.0	1,700	1,300	3,500	14.3
Schuyler.....	17,500	17,300	16,737	800	4.6	1,100	800	400	2.5
Seneca.....	34,000	33,800	35,083	-1,100	-3.2	2,100	1,400	-1,800	-5.3

See footnotes at end of table.

**Table 1. ESTIMATES OF THE POPULATION OF NEW YORK COUNTIES:  
JULY 1, 1973 AND JULY 1, 1974--Continued**

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

County	July 1, 1974 (provi- sional)	July 1, 1973	April 1, 1970 (census) <sup>1</sup>	Change, 1970 to 1974		Components of change 1970 to 1974 <sup>2</sup>			
				Number	Percent	Births	Deaths	Net migration	
								Number	Percent
Steuben.....	100,200	100,500	99,546	600	0.6	6,700	4,600	-1,500	-1.5
Suffolk.....	1,222,700	1,205,600	1,127,030	95,600	8.5	77,000	35,400	54,100	4.8
Sullivan.....	59,800	58,700	52,580	7,200	13.7	3,400	3,100	6,900	13.1
Tioga.....	47,700	47,700	46,513	1,200	2.5	3,300	1,700	-400	-1.0
Tompkins.....	83,400	81,700	77,064	6,400	8.3	4,700	2,400	4,100	5.3
Ulster.....	152,900	151,500	141,241	11,700	8.3	8,800	6,600	9,500	6.7
Warren.....	53,000	51,100	49,402	3,600	7.4	3,800	2,500	2,400	4.9
Washington.....	54,000	54,500	52,725	1,300	2.5	3,700	2,500	100	0.2
Wayne.....	80,500	81,300	79,404	1,100	1.4	5,800	3,200	-1,500	-1.8
Westchester.....	880,800	890,400	894,406	-13,600	-1.5	45,800	35,500	-24,000	-2.7
Wyoming.....	38,200	37,800	37,688	500	1.4	2,600	1,700	-400	-1.0
Yates.....	20,600	20,500	19,831	700	3.7	1,200	1,100	600	2.9

Z Less than 50 persons.

<sup>1</sup>Total does not agree with the sum of the counties due to corrections made to the county 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, 1973, with extrapolations to June 30, 1974. Net migration is the difference between net change and natural increase.

Table 2. ESTIMATES OF THE POPULATION OF METROPOLITAN AREAS AND THEIR COMPONENT COUNTIES: NEW YORK, JULY 1, 1973 AND 1974

(SMSA totals rounded independently of county numbers)

Standard metropolitan statistical area and county	July 1, 1974 (provisional)	July 1, 1973	April 1, 1970 (census)	Change, 1970 to 1974		Components of change, 1970 to 1974 <sup>1</sup>			
				Number	Percent	Births	Deaths	Net migration	
								Number	Percent
<b>ALBANY-SCHENECTADY-TROY, N.Y.</b>	799,400	800,700	777,977	21,400	2.7	48,900	36,000	8,500	1.1
Albany.....	288,700	289,600	286,742	1,900	0.7	16,300	13,500	-800	-0.3
Montgomery.....	56,200	56,900	55,883	400	0.6	3,400	3,300	300	0.5
Rensselaer.....	153,800	155,400	152,510	1,300	0.8	10,100	7,200	-1,600	-1.0
Saratoga.....	140,700	138,400	121,764	18,900	15.6	9,700	4,500	13,700	11.3
Schenectady.....	159,900	160,400	161,078	-1,100	-0.7	9,500	7,400	-3,200	-2.0
<b>BINGHAMTON, N.Y.-PA. (N.Y. portion)</b>	264,600	267,300	268,328	-3,800	-1.4	16,400	10,500	-9,600	-3.6
Broome.....	216,900	219,600	221,815	-4,900	-2.2	13,100	8,900	-9,200	-4.1
Tioga.....	47,700	47,700	46,513	1,200	2.5	3,300	1,700	-400	-1.0
<b>BUFFALO, N.Y.</b>	1,330,700	1,345,200	1,349,211	-18,500	-1.4	80,700	57,500	-41,700	-3.1
Erie.....	1,093,400	1,108,400	1,113,491	-20,100	-1.8	66,100	48,100	-38,200	-3.4
Niagara.....	237,300	236,900	235,720	1,500	0.7	14,600	9,400	-3,600	-1.5
<b>ELMIRA, N.Y.</b>	99,300	100,300	101,537	-2,200	-2.2	6,300	4,500	-4,000	-4.0
Chemung.....	99,300	100,300	101,537	-2,200	-2.2	6,300	4,500	-4,000	-4.0
<b>NASSAU-SUFFOLK, N.Y.</b>	2,620,700	2,621,200	2,555,868	64,800	2.5	138,700	84,600	10,800	0.4
Nassau.....	1,398,000	1,415,600	1,428,838	-30,800	-2.2	61,700	49,200	-43,300	-3.0
Suffolk.....	1,222,700	1,205,600	1,127,030	95,600	8.5	77,000	35,400	54,100	4.8
<b>NEW YORK, N.Y.-N.J. (N.Y. portion)</b>	8,759,800	8,862,100	9,076,568	-316,700	-3.5	571,200	416,100	-471,800	-5.2
New York City.....	7,567,100	7,664,400	7,895,563	-328,400	-4.2	507,800	372,100	-464,200	-5.9
Bronx.....	1,393,200	1,425,500	1,471,701	-78,500	-5.3	105,700	67,900	-116,200	-7.9
Kings (Brooklyn borough).....	2,448,100	2,484,100	2,602,012	-153,900	-5.9	188,400	116,900	-225,500	-8.7
New York (Manhattan borough).....	1,440,200	1,462,300	1,539,233	-99,000	-6.4	81,600	87,600	-93,000	-6.0
Queens.....	1,962,900	1,976,300	1,987,174	-24,300	-1.2	112,300	88,100	-48,600	-2.4
Richmond.....	322,700	316,100	295,443	27,200	9.2	19,700	11,600	19,100	6.5
Putnam.....	65,900	64,100	56,696	9,200	16.3	3,900	2,000	7,300	12.9
Rockland.....	246,000	243,200	229,903	16,100	7.0	13,600	6,500	9,000	3.9
Westchester.....	880,800	890,400	894,406	-13,600	-1.5	45,800	35,500	-24,000	-2.7
<b>POUGHKEEPSIE, N.Y.</b>	233,300	230,700	222,295	11,000	5.0	13,500	7,800	5,300	2.4
Dutchess.....	233,300	230,700	222,295	11,000	5.0	13,500	7,800	5,300	2.4
<b>ROCHESTER, N.Y.</b>	966,400	969,600	961,516	4,800	0.5	62,800	36,200	-21,800	-2.3
Livingston.....	55,900	56,300	54,041	1,800	3.4	3,700	2,000	100	0.2
Monroe.....	706,900	710,700	711,917	-5,000	-0.7	45,400	26,100	-24,300	-3.4
Ontario.....	84,600	82,900	78,849	5,800	7.3	5,200	3,300	3,800	4.8
Orleans.....	38,400	38,300	37,305	1,100	3.0	2,700	1,600	(Z)	0.1
Wayne.....	80,500	81,300	79,404	1,100	1.4	5,800	3,200	-1,500	-1.8
<b>SYRACUSE, N.Y.</b>	645,800	644,000	636,596	9,200	1.5	42,300	24,500	-8,600	-1.3
Madison.....	65,100	64,800	62,864	2,200	3.5	4,400	2,500	300	0.5
Onondaga.....	472,200	472,800	472,835	-600	-0.1	30,000	17,800	-12,800	-2.7
Oswego.....	108,500	106,400	100,897	7,600	7.6	7,900	4,200	3,900	3.9
<b>UTICA-ROME, N.Y.</b>	337,900	339,800	340,670	-2,800	-0.8	21,900	14,900	-9,700	-2.8
Herkimer.....	67,600	68,100	67,633	-100	-0.1	4,400	3,400	-1,100	-1.6
Oneida.....	270,300	271,600	273,037	-2,700	-1.0	17,500	11,500	-8,600	-3.2

Z Less than 50 persons.

<sup>1</sup>Births and deaths are based on reported vital statistics from April 1, 1970, to December 31, 1973, with extrapolations to June 30, 1974. 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.		
	1973 and provisional 1974	1972 and provisional 1973	1971 and provisional 1972		1973 and provisional 1974	1972 and provisional 1973	1971 and provisional 1972
Ala.....		76	48	Mont.....	109	53	19
Alaska.....		( <sup>2</sup> )	( <sup>3</sup> )	Nebr.....	104	58	25
Ariz.....	94	50	*11	Nev.....	117	67	29
Ark.....	115	70	33	N. H.....	107	52	18
Calif.....	119	( <sup>2</sup> )	*41	N. J.....		82	20
Colo.....	103	62	17	N. Mex.....		85	( <sup>3</sup> )
Conn.....	116	79	( <sup>3</sup> )	N. Y.....	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>3</sup> )
Del.....	111	57	15	N. C.....	114	68	44
Fla.....		90	46	N. Dak.....	102	60	( <sup>3</sup> )
Ga.....		92	37	Ohio.....		80	*40
Hawaii.....	105	56	23	Okla.....	112	63	24
Idaho.....	106	51	9	Oreg.....		74	( <sup>3</sup> )
Ill.....		78	27	Pa.....		93	*39
Ind.....	113	75	14	R. I.....	98	65	22
Iowa.....		72	31	S. C.....	108	71	34
Kans.....		64	43	S. Dak.....	101	61	*12
Ky.....		84	35	Tenn.....		83	47
La.....	97	54	*16	Tex.....		( <sup>2</sup> )	( <sup>3</sup> )
Maine.....	99	59	28	Utah.....	96	55	10
Md.....	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>3</sup> )	Vt.....	95	49	*13
Mass.....		91	42	Va.....		88	36
Mich.....	110	69	32	Wash.....	( <sup>1</sup> )	66	( <sup>3</sup> )
Minn.....		87	38	W. Va.....		89	30
Miss.....		86	( <sup>3</sup> )	Wis.....		81	26
Mo.....		77	45	Wyo.....	100	73	( <sup>3</sup> )

\*First year only. For second year, see Series P-25, No. 517.

<sup>1</sup>County 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.

<sup>2</sup>County or county equivalent estimates for 1972 and provisional 1973 are published in Series P-25 for the following States: Alaska, No. 531; California, No. 532; Maryland, No. 530; New York, No. 527; and Texas, No. 535.

<sup>3</sup>County estimates for this State for 1971 and provisional 1972 are published in Series P-25, No. 517.

# COUNTIES, METROPOLITAN AREAS, AND SELECTED PLACES: NEW YORK

