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ESTIMATES OF THE POPULATION OF THE UNITED STATES, BY REGIONS, DIVISIONS, AND STATES: JULY 1, 1948

(The estimates given in this report supersede the provisional estimates for the same date published in Current Population Reports, Series P-25, No. 14. Comparable estimates for July 1 of each year, 1940 to 1947, are available in Current Population Reports, Series P-25, No. 12)

A widespread redistribution of the population of the United States, with the States in the West growing most rapidly, has been taking place since April 1, 1940, the date of the last census, according to revised estimates of State population for July 1, 1948, announced today by J. C. Capt, Director, Bureau of the Census, Department of Commerce. According to the estimates, there was an increase of about 5,263,000, or 37.9 percent, in the West, and most of that increase took place in the three States, Washington, Oregon, and California, which constitute the Pacific Division. Although the other regions of the country also had population increases, the gains there were relatively small, in no case reaching the national average increase of about 11.0 percent.

The Seventeenth Census of the United States, which will be conducted in April, 1950, will provide statistics of population by regions, divisions, and States based on a complete count of the population; the estimates announced now are based on figures from the last census brought up to date from official records of births, deaths, net immigration, and the strength and geographic distribution of the armed forces. An allowance for net interstate migration based largely on official records of each State school system has also been made. Because the estimates in this report relate to a date more than eight years after the last census, errors of estimation are undoubtedly present in all the figures, but to varying degrees.¹

Between 1940 and 1948, only two States, Montana and North Dakota, had population losses of more

¹ For an evaluation of the adequacy of population estimates prepared by the method used to make the estimates given in this report see: Henry S. Shryock, Jr., and Fin Lawrence, "The Current Status of State and Local Population Estimates in the Census Bureau," Journal of the American Statistical Association, Vol. 44, No. 246, June, 1949.

than 5 percent. Fourteen States, eight of which are in the South, had little if any change in population, the estimated change being less than 5 percent of the 1940 population of the State. In 32 other States and the District of Columbia, the estimates of population for 1948 indicate population gains exceeding 5 percent.

A block of States in the West, comprising California, Oregon, Washington, Nevada, and Arizona, was characterized by population gains amounting to 40 percent or more of their 1940 population. The District of Columbia, Florida, and Utah also had population increases in excess of 20 percent. Several States had increases of from 10 to 20 percent, namely, Connecticut, New Jersey, Delaware, Maryland, and Virginia on the Atlantic seaboard; Michigan, Indiana, and Ohio touching the Great Lakes; Texas on the Gulf of Mexico; and Idaho and Wyoming in the West. (See map, page 5.)

The excess of births over deaths, which was the principal factor in the population increase of the United States as a whole, was often only a minor contributor to population change in the States. In many of the States, net migration, a combination of net international migration and net interstate migration, was the most important component of population change. (In this combination, the shift of population from one State to another was ordinarily by far the more important element.) Net in-migration accounted for more than half the population increase in the District of Columbia and in eight of the States with a net increase in population. In the States that lost population, the net out-migration (plus a trifling net loss of population to the armed forces), of course, exceeded the natural increase. There were also 14 States with population gains of more than 5 percent in which there were net out-migrations. The combined population gain for these 14 States was

about 3,488,000; the sum of the net out-migrations was about 1,229,000. But for the net out-migration the population increase would have been one-third greater. (See table 2.)

In the States that lost population through migration, the aggregate net out-migration amounted to about 4,800,000. In the remaining States, the aggregate net gain due to civilian migration was almost 6,100,000. The difference between these figures, approximately 1,300,000, represents net international migration for the United States as a whole.

The gross number of interstate migrants during this period was undoubtedly far greater than the net interstate movement of about 4,800,000 civilians. To illustrate, according to a sample survey made in April, 1947,² there were then an estimated 12,987,000 persons who were living in a State other than the one in which they had lived in 1940 or who were living abroad in 1940. Even this figure understates the gross number of interstate migrants since many migrants may have moved more than once during the period, some migrants may have died before the survey date, and the movements of persons born after April 1, 1940, are not included in the figure. For example, there were in the neighborhood of 2 million migrants among persons born since the last census alone.³

METHOD OF ESTIMATION

The revised estimates of State population for July 1, 1948, given in this report were prepared by virtually the same method used to prepare the corresponding estimates for earlier dates given in Current Population Reports, Series P-25, No. 12. The estimated total population present in each State represents the sum of an estimate of civilian population and an estimate of the number of persons in the armed forces stationed in the State. The estimated civilian population of each State was obtained by adding to the civilian population on April 1, 1940, an estimate of the excess of births over deaths and an estimate of net migration for the State, and subtracting an estimate of the net loss of population to the armed forces over the entire period between April 1, 1940, and July 1, 1948.

The birth statistics used were on a residence basis and have been adjusted for underregistration. The death statistics used also were on a residence basis; they were adjusted for underregistration, but the adjustment for the years since 1945 has been confined to deaths of children under 1 year of age. Since the officially reported death statistics for States include deaths of members of the armed forces stationed therein, it was necessary to subtract an estimate of such deaths from the reported death

statistics to arrive at a figure applicable to the civilian population only. The vital statistics used include final figures for the period from April 1, 1940, to December 31, 1947, and preliminary figures for the period from January 1, 1948, to June 30, 1948. It is not expected that the final figures for the latter period will differ very much from the preliminary figures actually used.

The estimates of net migration are based on statistics from the 1940 census, statistics on enrollment in the elementary grades of public and private schools, and, in part, on estimates of population for November 1, 1943, based on the registration for War Ration Book No. 4 as of that date. The estimated net loss of population to the armed forces for each State represents the difference between the number of persons from the State serving in the armed forces on July 1, 1948, and the corresponding number on April 1, 1940, plus an allowance for persons from the State who died while serving in the armed forces during this period.

The method used to prepare the estimates given in this report is explained in detail as Method II in Population--Special Reports, Series P-47, No. 4, and illustrated in Current Population Reports, Series P-25, No. 20.

The individual State estimates of civilian population thus prepared were adjusted to add to an independently derived national total for July 1, 1948, published here for the first time. In the preparation of the estimates for earlier dates shown in Current Population Reports, Series P-25, No. 12, an additional intermediate step was taken, namely, adjustment of the several State estimates to regional totals based in part on figures from the April, 1947, Current Population Survey. This has not been done in making the estimates for July 1, 1948, because no adequate basis has been found for extrapolating the regional population totals from the sample survey. Consequently, the difference between an estimate for July 1, 1948, and the corresponding estimate for 1947, should not be taken to be a precise measure of change in population size during the year. A small portion of the difference is methodological in origin. Each estimate stands by itself, however, as a relatively independent figure for the date to which it applies.

The vital statistics used in making the estimates have been provided by the National Office of Vital Statistics, United States Public Health Service; estimates of net immigration used in arriving at the national total population are based on data from the Immigration and Naturalization Service, Department of Justice; figures relating to the armed forces are based on data from the National Military Establishment.

The estimates presented in this report have been rounded to the nearest thousand without being adjusted to group totals which have been independently rounded. Derived figures are based on the absolute unrounded numbers.

²U. S. Bureau of the Census. Current Population Reports, Series P-20, No. 14, "Internal Migration in the United States: April, 1940, to April, 1947."

³Ibid.

Table 1.—ESTIMATES OF THE TOTAL AND CIVILIAN POPULATION OF THE UNITED STATES, BY REGIONS, DIVISIONS, AND STATES: JULY 1, 1948, AND APRIL 1, 1940
(Total population figures include persons in the armed forces stationed in each State and exclude members of the armed forces overseas. Estimates are rounded to the nearest thousand without being adjusted to group totals, which are independently rounded. Derived figures are based on the unrounded absolute numbers)

Region, division, and State	Total population				Civilian population			
	July 1, 1948	April 1, 1940 (census)	Increase (+) or decrease (-), 1940 to 1948		July 1, 1948	April 1, 1940	Increase (+) or decrease (-), 1940 to 1948	
			Number	Percent			Number	Percent
United States.....	146,113,000	131,669,275	+14,444,000	+11.0	145,280,000	131,401,985	+13,888,000	+10.6
REGIONS:								
The Northeastern States.....	38,632,000	35,976,777	+2,655,000	+7.4	38,521,000	35,838,020	+2,583,000	+7.2
The North Central States.....	43,434,000	40,145,332	+3,281,000	+8.2	43,339,000	40,118,881	+3,220,000	+8.0
The South.....	44,901,000	41,665,901	+3,235,000	+7.8	44,500,000	41,521,487	+2,979,000	+7.2
The West.....	19,146,000	13,883,265	+5,263,000	+37.9	18,930,000	13,823,597	+5,106,000	+36.9
THE NORTHEASTERN STATES:								
New England.....	9,156,000	8,437,290	+719,000	+8.5	9,126,000	8,423,129	+703,000	+8.3
Middle Atlantic.....	29,478,000	27,539,487	+1,937,000	+7.0	29,395,000	27,514,891	+1,880,000	+6.8
THE NORTH CENTRAL STATES:								
East North Central.....	29,623,000	26,626,342	+2,997,000	+11.3	29,554,000	26,609,703	+2,944,000	+11.1
West North Central.....	13,811,000	13,516,990	+294,000	+2.2	13,785,000	13,509,178	+275,000	+2.0
THE SOUTH:								
South Atlantic.....	19,656,000	17,823,151	+1,833,000	+10.3	19,411,000	17,730,642	+1,680,000	+9.5
East South Central.....	11,049,000	10,778,225	+271,000	+2.5	10,994,000	10,761,311	+233,000	+2.2
West South Central.....	14,195,000	13,064,525	+1,130,000	+8.7	14,095,000	13,029,534	+1,066,000	+8.2
THE WEST:								
Mountain.....	4,690,000	4,150,003	+540,000	+13.0	4,646,000	4,145,454	+501,000	+12.1
Pacific.....	14,456,000	9,733,262	+4,723,000	+48.5	14,283,000	9,878,143	+4,405,000	+47.6
NEW ENGLAND:								
Maine.....	896,000	847,226	+51,000	+6.0	895,000	845,153	+50,000	+5.9
New Hampshire.....	523,000	491,524	+32,000	+6.4	520,000	490,626	+30,000	+6.0
Vermont.....	363,000	359,231	+4,000	+1.0	363,000	358,651	+4,000	+1.1
Massachusetts.....	4,638,000	4,316,721	+321,000	+7.4	4,624,000	4,313,799	+310,000	+7.2
Rhode Island.....	745,000	713,546	+32,000	+4.4	739,000	707,846	+31,000	+4.4
Connecticut.....	1,989,000	1,709,242	+280,000	+16.4	1,965,000	1,708,854	+278,000	+16.3
MIDDLE ATLANTIC:								
New York.....	14,231,000	13,479,142	+752,000	+5.6	14,202,000	13,462,417	+739,000	+5.5
New Jersey.....	4,768,000	4,180,185	+608,000	+14.6	4,730,000	4,156,594	+573,000	+13.8
Pennsylvania.....	10,478,000	9,900,180	+577,000	+5.8	10,464,000	9,895,860	+568,000	+5.7
EAST NORTH CENTRAL:								
Ohio.....	7,842,000	6,907,612	+935,000	+13.5	7,832,000	6,905,058	+927,000	+13.4
Indiana.....	3,917,000	3,427,796	+489,000	+14.3	3,915,000	3,427,369	+488,000	+14.2
Illinois.....	8,348,000	7,897,241	+451,000	+5.7	8,300,000	7,887,193	+413,000	+5.2
Michigan.....	6,216,000	5,256,106	+960,000	+18.3	6,209,000	5,252,879	+956,000	+18.2
Wisconsin.....	3,300,000	3,137,587	+162,000	+5.2	3,298,000	3,137,184	+161,000	+5.1
WEST NORTH CENTRAL:								
Minnesota.....	2,934,000	2,792,300	+142,000	+5.1	2,933,000	2,791,928	+141,000	+5.0
Iowa.....	2,612,000	2,538,288	+74,000	+2.9	2,612,000	2,537,596	+74,000	+2.9
Missouri.....	3,892,000	3,794,664	+108,000	+2.8	3,890,000	3,785,748	+106,000	+2.8
North Dakota.....	582,000	641,935	-60,000	-9.3	592,000	641,874	-60,000	-9.3
South Dakota.....	611,000	642,961	-32,000	-4.9	608,000	642,865	-34,000	-5.4
Nebraska.....	1,283,000	1,315,834	-32,000	-2.5	1,279,000	1,314,234	-35,000	-2.7
Kansas.....	1,895,000	1,801,028	+94,000	+5.2	1,881,000	1,796,933	+84,000	+4.7
SOUTH ATLANTIC:								
Delaware.....	300,000	266,505	+34,000	+12.7	300,000	266,123	+34,000	+12.7
Maryland.....	2,156,000	1,821,244	+333,000	+18.3	2,124,000	1,813,022	+311,000	+17.2
District of Columbia.....	685,000	683,091	+200,000	+30.1	637,000	656,018	+79,000	+27.2
Virginia.....	3,051,000	2,877,773	+373,000	+13.9	2,998,000	2,649,672	+348,000	+13.1
West Virginia.....	1,911,000	1,901,974	+9,000	+0.5	1,910,000	1,901,918	+8,000	+0.4
North Carolina.....	3,798,000	3,571,623	+226,000	+6.3	3,787,000	3,566,133	+221,000	+6.2
South Carolina.....	1,982,000	1,899,804	+82,000	+4.3	1,950,000	1,885,826	+64,000	+3.4
Georgia.....	3,187,000	3,123,723	+64,000	+1.4	3,143,000	3,099,199	+44,000	+1.4
Florida.....	2,430,000	1,897,414	+533,000	+28.1	2,394,000	1,890,831	+503,000	+26.6
EAST SOUTH CENTRAL:								
Kentucky.....	2,856,000	2,845,627	+10,000	+0.4	2,829,000	2,840,881	-12,000	-0.4
Tennessee.....	3,179,000	2,915,841	+263,000	+9.0	3,170,000	2,915,532	+254,000	+8.7
Alabama.....	2,901,000	2,632,961	+268,000	+10.2	2,891,000	2,621,498	+270,000	+10.3
Mississippi.....	2,114,000	2,183,796	-70,000	-3.2	2,104,000	2,183,400	-79,000	-3.6
WEST SOUTH CENTRAL:								
Arkansas.....	1,937,000	1,949,387	-12,000	-0.6	1,936,000	1,948,036	-12,000	-0.6
Louisiana.....	2,591,000	2,363,880	+228,000	+9.6	2,581,000	2,359,349	+222,000	+9.4
Oklahoma.....	2,295,000	2,336,434	-41,000	-1.8	2,285,000	2,332,900	-48,000	-2.1
Texas.....	7,371,000	6,414,824	+956,000	+14.9	7,293,000	6,399,349	+904,000	+14.1
MOUNTAIN:								
Montana.....	511,000	559,456	-48,000	-8.6	509,000	559,380	-50,000	-9.0
Idaho.....	586,000	524,873	+61,000	+11.6	586,000	524,873	+61,000	+11.6
Wyoming.....	285,000	250,742	+34,000	+13.6	280,000	249,881	+30,000	+12.0
Colorado.....	1,196,000	1,123,296	+76,000	+6.8	1,185,000	1,121,510	+64,000	+5.7
New Mexico.....	571,000	531,818	+39,000	+7.4	581,000	531,785	+49,000	+9.2
Arizona.....	704,000	499,281	+204,000	+40.9	694,000	497,884	+196,000	+39.4
Utah.....	870,000	580,310	+289,000	+49.8	867,000	580,069	+287,000	+49.5
Nevada.....	164,000	110,247	+54,000	+48.0	164,000	110,122	+54,000	+48.8
PACIFIC:								
Washington.....	2,463,000	1,736,191	+727,000	+41.9	2,429,000	1,732,513	+697,000	+40.2
Oregon.....	1,639,000	1,089,884	+549,000	+50.4	1,638,000	1,088,460	+549,000	+50.4
California.....	10,354,000	6,907,387	+3,447,000	+49.9	10,217,000	6,857,370	+3,360,000	+49.0

40-301

Table 2.—CIVILIAN POPULATION CHANGES IN THE UNITED STATES, BY REGIONS, DIVISIONS, AND STATES: APRIL 1, 1940, TO JULY 1, 1948
(Estimates are rounded to the nearest thousand without being adjusted to group totals, which are independently rounded.
Derived figures are based on the unrounded absolute numbers)

Region, division, and State	Net change in civilian population ¹	Natural increase		Net migration ²	Net loss to armed forces
		Births	Deaths		
United States.....	+13,888,000	25,814,000	11,832,000	+1,328,000	1,423,000
REGIONS:					
The Northeastern States.....	+2,583,000	5,878,000	3,434,000	+553,000	394,000
The North Central States.....	+3,220,000	7,179,000	3,622,000	+94,000	431,000
The South.....	+2,979,000	9,717,000	5,590,000	-2,943,000	405,000
The West.....	+5,108,000	3,041,000	1,586,000	+3,644,000	193,000
THE NORTHEASTERN STATES:					
New England.....	+705,000	1,431,000	831,000	+204,000	101,000
Middle Atlantic.....	+1,860,000	4,447,000	2,802,000	+328,000	293,000
THE NORTH CENTRAL STATES:					
East North Central.....	+2,944,000	4,833,000	2,473,000	+873,000	289,000
West North Central.....	+275,000	2,546,000	1,149,000	-778,000	142,000
THE SOUTH:					
South Atlantic.....	+1,680,000	4,214,000	1,511,000	-870,000	153,000
East South Central.....	+233,000	2,537,000	877,000	-1,324,000	104,000
West South Central.....	+1,066,000	2,965,000	1,002,000	-749,000	148,000
THE WEST:					
Mountain.....	+501,000	946,000	558,000	-29,000	58,000
Pacific.....	+4,606,000	2,095,000	1,028,000	+3,673,000	135,000
NEW ENGLAND:					
Maine.....	+50,000	158,000	87,000	-11,000	10,000
New Hampshire.....	+30,000	82,000	51,000	+5,000	7,000
New Jersey.....	+4,000	85,000	36,000	-21,000	4,000
Vermont.....	+310,000	701,000	452,000	+96,000	58,000
Massachusetts.....	+31,000	121,000	86,000	-18,000	4,000
Rhode Island.....	+278,000	308,000	168,000	+153,000	20,000
Connecticut.....					
MIDDLE ATLANTIC:					
New York.....	+739,000	2,099,000	1,284,000	+44,000	120,000
New Jersey.....	+573,000	886,000	396,000	+328,000	46,000
Pennsylvania.....	+588,000	1,662,000	923,000	-44,000	127,000
EAST NORTH CENTRAL:					
Ohio.....	+927,000	1,262,000	668,000	+412,000	80,000
Indiana.....	+488,000	644,000	333,000	+218,000	41,000
Illinois.....	+413,000	1,313,000	746,000	-79,000	73,000
Michigan.....	+958,000	1,055,000	457,000	+420,000	62,000
Wisconsin.....	+161,000	580,000	297,000	-98,000	35,000
WEST NORTH CENTRAL:					
Minnesota.....	+141,000	506,000	224,000	-111,000	29,000
Iowa.....	+74,000	434,000	216,000	-118,000	26,000
Missouri.....	+106,000	848,000	380,000	-139,000	42,000
North Dakota.....	-80,000	121,000	43,000	-132,000	5,000
South Dakota.....	-34,000	118,000	47,000	-97,000	6,000
Nebraska.....	-35,000	217,000	105,000	-134,000	13,000
Kansas.....	+84,000	305,000	154,000	-48,000	20,000
SOUTH ATLANTIC:					
Delaware.....	+34,000	51,000	28,000	+13,000	2,000
Maryland.....	+311,000	383,000	186,000	+131,000	16,000
District of Columbia.....	+179,000	137,000	68,000	+117,000	7,000
Virginia.....	+346,000	622,000	240,000	-25,000	12,000
West Virginia.....	+8,000	421,000	145,000	-243,000	25,000
North Carolina.....	+191,000	877,000	252,000	-399,000	36,000
South Carolina.....	+84,000	540,000	168,000	-311,000	9,000
Georgia.....	+44,000	754,000	248,000	-447,000	15,000
Florida.....	+503,000	450,000	188,000	+293,000	31,000
EAST SOUTH CENTRAL:					
Kentucky.....	-12,000	615,000	240,000	-362,000	25,000
Tennessee.....	+254,000	685,000	238,000	-158,000	34,000
Alabama.....	+70,000	704,000	224,000	-396,000	24,000
Mississippi.....	-79,000	534,000	174,000	-416,000	20,000
WEST SOUTH CENTRAL:					
Arkansas.....	-12,000	447,000	131,000	-307,000	21,000
Louisiana.....	+222,000	586,000	196,000	-125,000	26,000
Oklahoma.....	-48,000	443,000	164,000	-302,000	28,000
Texas.....	+904,000	1,506,000	513,000	-15,000	75,000
MOUNTAIN:					
Montana.....	-50,000	103,000	47,000	-89,000	7,000
Idaho.....	+61,000	110,000	39,000	-4,000	7,000
Wyoming.....	+30,000	51,000	18,000	(3)	3,000
Colorado.....	+84,000	226,000	103,000	-44,000	15,000
New Mexico.....	+29,000	154,000	47,000	-70,000	8,000
Arizona.....	+196,000	135,000	49,000	+120,000	9,000
Utah.....	+117,000	142,000	41,000	+24,000	8,000
Nevada.....	+54,000	25,000	13,000	+43,000	2,000
PACIFIC:					
Washington.....	+697,000	370,000	177,000	+536,000	32,000
Oregon.....	+549,000	217,000	109,000	+462,000	21,000
California.....	+3,360,000	1,508,000	742,000	+2,875,000	85,000

¹ A plus sign (+) indicates an increase in population; a minus sign (-) indicates a decrease in population.

² Net migration comprises both net immigration and net interregional, interdivisional, or interstate migration according to the area shown.

sign (+) indicates net in-migration; a minus sign (-) indicates net out-migration.

³ Estimated net migration less than 500.

PERCENT OF CHANGE IN TOTAL POPULATION, BY STATES: 1940 TO 1948

