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### **ABSTRACT**

On January 1, 1987, the total population including Armed Forces overseas approached 243 million, having increased by 2.2 million or 0.9 percent since January 1, 1986 and 15.7 million since the April 1, 1980 census. The number of births per 1,000 population dropped slightly from 15.7 in 1985 to 15.3 in 1986. The 3.7 million births in 1986 were the second highest since 1965. There were 8.7 deaths per 1,000 population in 1986. The average annual rate of growth between April, 1980 and January 1, 1987, was 9.9 per 1,000 population, which was below the annual growth rates per 1,000 population of 10.5 per 1,000 during the 1970s, 12.6 for the 1960s and 17.1 for the 1950s. The population estimates are based on the last resident census count plus the Almed Forces overseas, resident births, and net civilian immigration minus deaths. Detailed tables showing estimates of the components of population change are included along with charts showing births and deaths per 1,000 population, by race from 1960 to 1986. (SM)

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Population Estimates and Projections

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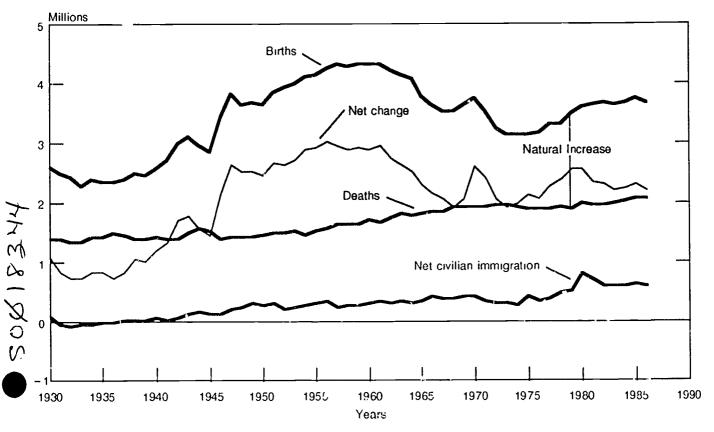
# United States Population Estimates and Components of Change: 1970 to 1986

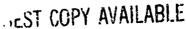
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Figure 1.

Annual Levels of Net Growth, Births, Deaths, and Net
Immigration: 1930 to 1986





U.S. Department of Commerce BUREAU OF THE CENSUS



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CURRENT POPULATION REPORTS

Population Estimates and Projections

Series P-25, No. 1006

## United States Population Estimates and Components of Change: 1970 to 1986

Issued May 1987



U.S. Department of Commerce
Malcolm Baldrige, Secretary
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for Economic Affairs

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### SYMBOLS USED IN TABLES

- Represents zero or rounds to zero.
- X Not applicable.
- NA Not available.



### United States Population Estimates and Components of Change: 1970 to 1986

(This report supersedes Current Population Reports, Series P-25, No. 990. Estimates are consistent with both the revised 1970 census resident population count of 203,302,031 and the 1980 census tabulated resident population count of 226,545,805. No allowance has been made in any of the estimates shown here for estimated net census undercount.)

### INTRODUCTION

This report provides estimates of the population of the United States for each month from January 1, 1950, to January 1, 1987. It also shows estimates of the components of change for the total population by race for each calendar year and for each year ending June 30 from 1970 to 1986.

### HIGHLIGHTS

- The January 1, 1987, total population including Armed Forces overseas approached 243 million, having increased by 2.2 million or 0.9 percent since January 1, 1986, and 15. million since the April 1, 1980, census.
- The number of births per 1,000 population dropped slightly
   from 15.7 in 1985 to 15.3 in 1986. This was far below the highest postwar birth rate of 26.5 in 1947.
- The 3.7 million births in 1986 were the second highest since 1965 but still considerably below the 4.3 million in 1957.
- There were 8.7 deaths per 1,000 population in 1986. The Jeath rate has fluctuated in the 8.5-8.7 range since 1977 after declining from 9.4 in 1972.
- For the fourth year in a row, the number of deaths occurring in the United States exceeded 2 million, each of these years setting an all-time record. In 1986, the number was 2.1 million. The increases are due to the growth in the population size and to its continued aging.
- There were 2.6 net immigrants per 1,000 population in 1986, including some allowance for undocumented aliens.
   This was down slightly from 2.7 in 1985 and 3.7 in 1980, which was the highest rate of net civilian immigration since the Great Depression.
- The Black population grew by 1.4 percent in 1986, twice
   as rapidly as the White population (0.7 percent). Rates of

growth for both these groups have declined dramatically since 1960—Blacks by over one-third (from 2.2 percent) and Whites by more than half (from 1.5 percent).

### TRENDS IN POPULATION GROWTH

On January 1, 1987, the total population including Armed Forces overseas was estimated to be 242,742,000, an increase of 2,219,000 over the population on January 1, 1986 (table 1), and 15,681,000 over that on April 1, 1980. The 1986 increase was slightly smaller than the 2,316,000 increase 1985. The amount of growth during 1986 was the result of a natural increase of 1,594,000 and net civilian immigration of 625,000. Both natural increase and net civilian immigration fell slightly in 1986. During 1985, natural increase was 1,667,000 and net civilian immigration was 648,000.

The average annual rate of growth between April 1, 1980, and Janua y 1, 1987, was 9.9 per 1,000 population (table A). This was a little lower than the 10.5 per 1,000 average annual growth rate experienced during the 1970's', and well below the rates of 12.6 for the 1960's and 17.1 for the 1950's when the peak of the baby boom occurred. The Black-and-other-races population continued to grow at a faster rate than the White population because of the higher fertility level of both Blacks and other races and the high volume of immigration of other races (figures 2 and 4).2 During 1986, the growth rate was 7.1 per 1,000 for Whites, 21.0 for Blacks and other races combined, and 14.3 for Blacks alone (table 2).

### TRENDS IN FERTILITY

There were 3,687,000 births in 1986, compared with 3.750,000 births in 1985, and 3,669,000 births in 1984. For the last 11 years, there has been an upsurge in the number of births in the United States. This followed a 15-year period of decline in births between 1960 and 1975. The 1986 level

section for the definition of error of closure

2"Other races" is a category consisting principally of American Indians,
Alaska Natives, Asians, and Pacific Islanders.

<sup>&#</sup>x27;It should be noted that the large error of closure for the 1970-80 period (4.6 million persons) contributed significantly to the 10.5 per 1,000 average annual growth rate for the 1970's. See the "Methods and Sources of Data" section for the definition of error of closure

Table A. Components of Population Change, by Type of Population: 1970 to 1980 and 1980 to 1987 (Numbers in thousands)

Type of population and components of change			Average annual rate pe populat	•
Type of population and components of ondinge	April 1, 1980, to Jan. 1, 1987	April 1, 1970, to April 1, 1980	April 1, 1980, to Jan. 1, 1987	April 1, 1970, to April 1, 1980
Total Population Including Armed Forces Overseas			į	
Population at beginning of period	227,061 15,681 24,798 13,653 4,527 9 (X) 242,742	204,401 22,660 33,288 19,295 4,074 3 4,590 227,061	(X) 9.9 15.6 8.6 2.9 (X) (X)	(X) 10.5 15.5 9.0 1.9 - 2.1 (X)
Resident Population				
Population at beginning of period	3226,546 15,675 24,798 13,650 4,527 (X) 242,221	<sup>3</sup> 203,302 23,244 33,288 19,281 4,074 -574 4,590 <sup>3</sup> 226,546	(X) 9.9 15.7 8.6 2.9 - (X) (X)	(X) 10.8 15.5 9.0 1.9 -0.3 2.1 (X)
Civilian Population				
Population at beginning of period	224,968 15,515 24,798 13,638 4,527 172 (X) 240,483	201,131 23,837 33,288 19,255 4,074 -1,141 4,590 224,968	(X) 9.9 15.8 8.7 2.9 0.1 (X)	(X) 11.2 15.6 9.0 1.9 -0.5 2.2 (X)

<sup>-</sup> Represents zero.

is far below the 4,332,000 births occurring in 1957, the peak year of the baby boom, but well above the 1975 level of 3,144,000. The increase in the number of births since 1975 reflects larger numbers of women in the childbearing ages rather than an increase in fertility rates (table B).

The three basic period measures of fertility all fell slightly in 1986. The crude birth rate (births per 1,000 population) was 15.3, 2.5 percent lower than in 1985 (15.7). In 1986, the crude birth rate was 15.9 percent lower than it was in 1970 (18.2), and 39.3 percent lower than it was in 1957 (25.2). The general fertility rate (births per 1,000 women 15 to 44 years old) registered a small decrease in 1986 to 64.9 from the 1985 figure of 66.1. The 1986 rate was still 26.2 percent below the 1970 rate of 87.9 and 47.1 percent below the 1957 rate of 122.7. The total fertility rate (annual births expressed in terms the *implied* completed fertility of 1,000 women) was about

1,802 in 1986, a decrease of 1.9 percent from the 1985 level of 1,837.3 This was less than half of the 1957 rate of 3,760. Between 1970 and 1986, the total fertility rate dropped by 27.3 percent.

Although the total fertility rate has been below 2,100 (the level at which persons in their childbearing years are just replacing themselves) for 15 years, natural increase (births

X Not applicable.

<sup>&#</sup>x27;Estimates of deaths differ according to type of population as a result of inclusion or exclusion of deaths of Armed Forces at home and overseas.

<sup>&</sup>lt;sup>2</sup>See text for definition of error of closure.

<sup>&</sup>lt;sup>3</sup>Census counts: April 1, 1980--226,545,805; April 1, 1970--203,302,031.

<sup>&</sup>lt;sup>3</sup>More specifically, the total fertility rate is the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified calendar yea. It should be stressed that the total fertility rate is an annual (or period) measure of fertility, even though it is expressed as a hypothetical lifetime (or cohort) measure. The total fertility rate is affected by the timing as well as the level of childbearing. The following example illustrates this point. The total fertility rate peaked in 1957 at 3,760. However, it now appears that the highest cohort fertility rate among women who were then in the childbearing ages will be about 3,200 for women born in the early 1930's.

minus deaths) is still more than 1 million persons per year. Because of variations in age structure, replacement level fertility does not necessarily mean zero growth. Currently, in the United States, for example, a relatively large proportion of women are in the childbearing ages because of the baby boom extending from 1946 to the early 1960's. In the absence of immigration from abroad, prolonged fertility at replacement level would eventually stabilize the proportion of women of childbearing age, and the annual number of births would equal the number of deaths. However, even with the assumption of ultimate completed cohort fertility of 1.9 births per woman (well below the replacement level), it would take about 40 years for the population to stop growing. (See Current Population Reports, Series P-25, No. 952, table 10, projection series 29 for projections of the population assuming o net immigration.)

The crude birth rate can be misleading as an indicator of trends in fertility because it is affected by the age-sex structure of the population. The general fertility rate is a more satisfactory indicator because its denominator is restricted to women in the childbearing ages. However, it is affected by age structure within the 15-44 age span. As a result, the total fertility rate, which is the sum of female age-specific birth rates and thus is not affected by age structure, is the most satisfactory of the three rates as an indicator of annual fertility trends.

### TRENDS IN MORTALITY

There were a record 2,093,000 deaths in 1986 including deaths of Armed Forces personnel overseas. This was up from 2,083,000 deaths during 1985. Deaths have increased each year since 1982 and first surpassed 2 million (2,020,000) in 1983. Despite this record-setting succession of years, deaths have increased by only 128,000 or 6.5 percent since 1972, despite a concomitant 16 percent growth in the population overall as well as the continued aging of the population. This improvement in mortality conditions over time has led to a marked decline in the crude death rate from 9.4 per 1,000 in 1972 to a level in the vicinity of 8.5 to 8.7 per 1,000 since 1977. The rate was 8.7 in both 1985 and 1986.

Another reflection of the improved mortality conditions is increased life expectancy at birth. In 1985, the latest year for which data are available, the expectation of life at birth was 74.7 years for the resident population. This matched the record high set in 1984, and was 3.5 years above the 1972 figure of 71.2 years. The expectation of life at birth for males

\*National Center for Health Statistics, "Annual Summary of Births, Marriages, Divorces, and Deaths: United States, 1985." Monthly Vital Statistics Report, Vol. 34, No. 13, DHHS Pub. No. (PHS) 86-1;20. Public Health Service. Hyattsville. MD. 1986.

\*National Center for Health Statistics, "Advance Report of Final Mortality Statistics, 1984." Monthly Vital Statistics Report, Vol. 35, No. 6 Supplement (2), DHHS Pub. No. (PHS) 86-1120. Public Health Service, Hyattsville, MD, 1986.

Figure 2.

Births per 1,000 Population, by Race: 1960 to 1986

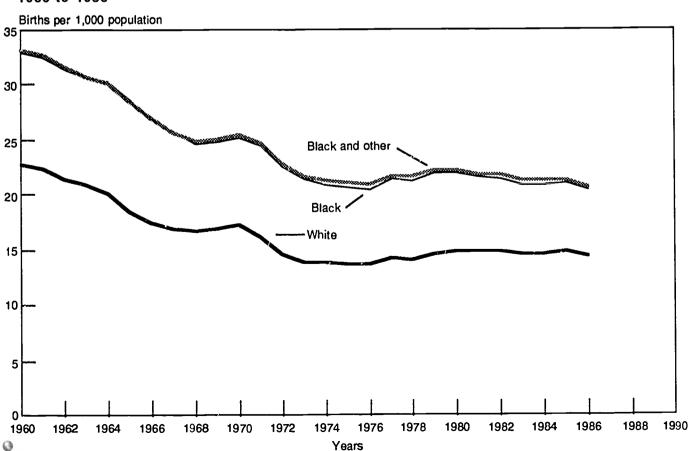


Table B. Annual Measures of Fertility: 1930 to 1986

Calendar year	Crude birth rate	General fertility rate <sup>2</sup>	Total fertility rate²	Calendar year	Crude birth rate¹	General fertility rate <sup>2</sup>	Tota fertility rate
1986	15.3	64.9	³1,802	1954	25.2	117.9	3,537
1985	15.7	66.1	³1,837	1953	24.9	115.0	3,418
1984	45.5	05.4	4 000	1952	25.0	113.8	3.355
1984	15.5	65.4	1,806	1951 <i>.</i>	24.8	111.4	3,267
1982	15.5	65.8	1,803	1950	23.9	106.2	3,091
1981	15.8	67.3	1,829				•
	15.8	67.4	1,815				
1980	15.9	68.4	1,840	1949	24.5	107.1	3,110
1979	15.5	67.2	1.808	1948	24.8	107.3	3,109
1978	15.0	65.5	1,760	1947	26.5	113.3	3,274
1977	15.1	66.8	1,790	1946	24.1	101.9	2,943
1976	14.5	65.0	1,738	1945	20.5	85.9	2,491
1975	14.6	66.0	1,774				
1974	14.8	67.8	1,835	1944	21.3	88.8	2.568
1973	14.8	68.8	1,879	1943	22.7	94.3	2,718
1972	15.5	73.1	2,010	1942	22.2	91.5	2,628
1971	17.1	81.6	2,267	1941	20.3	83.4	2,399
1970	18.2	87.9	2,480	1940	19.4	79.9	2,301
1969	17.9	86.5	2,465				
1968	17.6	85.7	2,477	1939	18.8	77.6	12,238
1967	17.9	87.6	2,573	1938	19.2	77.0 79.1	12,288
1966	18.5	91.3	2,736	1937	18.7	77.1	12,236
1965	19.6	96.6	2,928	1936	18.4	75.8	12,207
1964	21.2	105.0	0.000	1935	18.7	77.2	12,250
1963	21.2 21.9		3,208		10.7	//.2	2,230
1962	_	108.5	3,333				
1961	22.6	112.2	3,474	1934	79.0	78.5	12,294
1000	23.5 23.8	117.2 118.0	3,629	1933	18.4	76.3	12,235
1960	23.6	118.0	3,654	1932	19.5	81.7	12,383
1959	24.3	119.9	3,705	1931	20.2	84.6	12,363
1958	24.5	120.0	3,693	1930	21.3	89.2	12,600
1957	25.2	122.7	3,760		21.5	03.2	2,000
1956	25.1	121.0	3,682				
1955	24.9	118.3	3,574				

Including Alaska, Hawaii, and Armed Forces overseas. Births corrected for underregistration through March 1970.

<sup>2</sup>Resident population including Alaska since 1959 and Hawaii since 1960. Births corrected for underregistration through 1959. For 1930 to 1986: National Center for Health Statistics, *Vital Statistics of the United States*, 1980, Vol. 1, Natality, DHHS Pub. No. (PHS) 85-1100. Public Health Service, Hyattsville, Md., 1984, tables 1-1 and 1-6; "Advance Report of Final Natality Statistics, 1984." *Monthly Vital Statistics Report*, Vol. 35, No. 4 Supplement DHHS Pub. No. (PHS) 86-1120. Public Health Service, Hyattsville, Md., 1986, tables 1 and 4, "Births, Marriages, Divorces, and Deaths for 1986." *Monthly Vital Statistics Report*, Vol. 35, No. 12, DHHS Pub. No. (PHS) 87-1120. Public Health Service, Hyattsville, Md., 1987, p. 1; and unpublished data.

<sup>3</sup>Estimated total fertility rates for 1985 and 1986 are based on indirect standardization and 1984 final age-specific births rates.

<sup>4</sup>Total fertility rates for 1930-39 based on births adjusted for underregistration from National Center for Health Statistics (unpublished data consistent with birth rates published in National Center for Health Statistics, Fertility Tables for Birth Cohorts by Color: United States, 1917-73, April 1976) and female resident population from Current Population Reports, Series P-25, No. 311.

was 71.2 years in 1985 and for females it was 78.2 years. It was 75.3 years for Whites, 71.2 years for Blacks and other races combined, and 69.5 years for Blacks alone. The comparable expectations in 1972 were 67.4 (males), 75.1 (females), 72.0 (Whites), 65.7 (Black and other races), and 64.7 (Blacks).

In 1985, the two leading causes of death were heart disease (37.2 percent) and cancer (22.0 percent), together accounting for almost 60 percent of all resident deaths. Other leading causes were cerebrovascular diseases or strokes (7.3 percent)

and accidents (4.4 percent). These four causes of death all had similar importance in 1972, when heart disease accounted for 38.5 percent of all deaths, cancer for 17.6 percent, cerebrovascular diseases for 10.9 percent, and accidents for 5.9 percent.

### TRENDS IN NET CIVILIAN IMMIGRATION

During 1986, net civilian immigration to the United States (including some allowance for undocumented aliens) was

<sup>&</sup>lt;sup>6</sup>National Center for Health Statistics, *Monthly Vital Statistics* Report, Vol. 34, No. 13, op. cit.

<sup>&</sup>lt;sup>7</sup>National Center for Health Statistics, *Vital Statistics of the United States, 1972*, Vol. II, Mortality, Part A, (HRA) 76-1101. Public Health Service, Rockville, MD, 1976.

Figure 3.

Deaths per 1,000 Population, by Race: 1960 1986

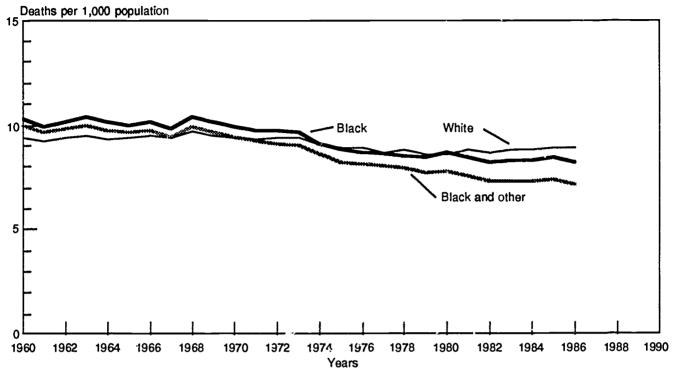
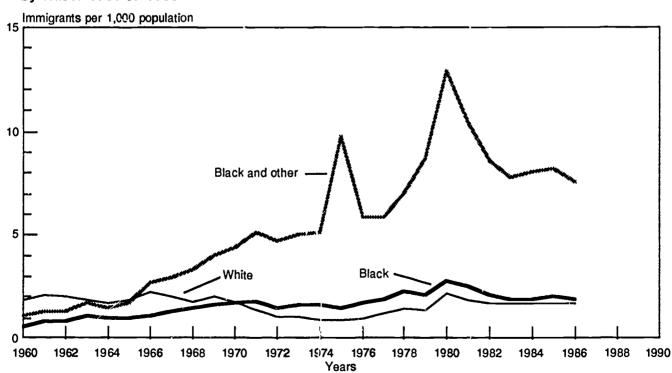


Figure 4.

Net Civilian Immigration per 1,000 Population, by Race: 1960 to 1986





estimated to be 625,000 or 2.6 per 1,000 population.8 This was a slight decrease from 1985, when net civilian immigration was 648,000, or 2.7 per 1,000 population, and far less than in 1980, probably the peak year for immigration since World War I. Net civilian immigration was especially high in 1980 (845,000 or 3.7 per 1,000) because of the large number of Cuban and Haitian entrants who came into the United States during that year.

About 28 percent of the population change in 1986 resulted from immigration as compared with approximately 32 percent in 1980. In 1970, only 17 percent of the net change was accounted for by net civilian immigration.

By far the largest component of net civilian immigration is alien immigration. The Immigration Act of 1965 has resulted in a shift in the geographical origin and the racial composition of alien immigrants to the United States. In the past, immigrants have been predominantly White and European. Gradually, however, the proportion of immigrants from Europe has declined from 41.8 percent of all alien immigrants in the year ending June 30, 1964, to 31.1 percent in the year ending June 30, 1970, to just 11.1 percent in the year ending September 30, 1985 (the latest year for which data are available). Immigrants from Asia increased from 7.5 percent of the total in 1964, to 25.4 percent in 1970, and to 46.4 percent in 1985. As a result, the proportion of immigrants of races other than White or Black has grown substantially.

Because of this high level of Asian immigration, the other-races population has grown far more rapidly than Whites or Blacks. Bet ween January 1, 1985, and January 1, 1987, the other-races average annual rate of growth was 5.1 percent, compared with 0.7 percent for Whites and 1.5 percent for Blacks (figure 5). More than half of the other-races growth is attributable to immigration as compared with 24 percent or less for Whites and less than 15 percent for Blacks (table C and figure 6).

### **COVERAGE OF POPULATION**

Estimates of the total population including Armed Forces overseas, the resident population, and the civilian population are presented for each year from 1950 to 1987. The resident population conforms to the concept of the United States population as shown in the decennial census reports. In general, it includes residents of the 50 States and the District of Columbia but excludes residents of the Commonwealth of

<sup>6</sup>An allowance of 200,000 per year for net undocumented immigration has been added to net civilian immigration for each year since 1980. Concomitantly, estimated annual emigration was increased from 36,000 to 160,000. Together, these two changes increase net civilian immigration by 76,000 per year. This should be kept in mind when comparisons are made with net civilian immigration data for the period prior to April 1, 1980, because estimates for the earlier period do not contain these modifications.

<sup>9</sup>These data include refugees in the year in which they adjusted to permanent resident alien status rather than in the year which they actually entered the United States. This is the Immigration and Naturalization Service's standard procedure. In all of the tables in this report, refugees are counted in the year in which they actually entered the United States. The sources of the data are from the Immigration and Naturalization Service, 1985 Statistical Yearbook, table IMM 1.3, and 1973 Annual Report, table 14.

Puerto Rico, residents of the outlying areas under United States sovereignty or jurisdiction (principally American Samoa, Guam, the Virgin Islands of the United States, and the Commonwealth of the Northern Mariana Islands), and other American citizens (military and civilian) living overseas. The total population including Armed Forces overseas includes the resident population of the United States plus the Armed Forces stationed in foreign countries, Puerto Rico, and the outlying areas. The civilian population, represents the resident population less the Armed Forces static and in the United States.

### METHODS AND SOURCES OF DATA

The population estimates involved the following computational steps:

- (1) Last census count of resident population,
- +(2) Armed Forces overseas on the census date,
- +(3) resident births,
- -(4) deaths, including deaths to Armed Forces overseas,
- +(5) net civilian immigration.
- +(6) net inductions into Armed Forces overseas,
- ±(7) error of closure for the pre-1980 intercensal periods,
- -(8) Armed Forces overseas on the estimate date, to obtain the resident population,
- -(9) Armed Forces in the United States on the estimate date, to obtain the civilian population.

The Armed Forces components are based on data on the size and distribution of the Armed Forces obtained from the Department of Defense and from the Army, Navy, Air Force, Marine Corps, and Coast Guard (Department of Transportation). Reserve forces on 3 and 6 months active duty for training, National Guard reserve forces on active duty for 4 months or more, and students at the military academies are included in the Armed Forces; reserve forces and national guardsmen on shorter tours of training and officers in the Public Health Service are not included. Crews of U.S. Naval vessels homeported in the United States and not deployed to the overseas fleets are included in the United States resident population; those deployed to the overseas fleets and those homeported outside the United States are considered overseas.

Estimates of the Armed Forces based on the Department of Defense and Department of Transportation data are used throughout for census dates, although counts of the Armed Forces residing in the United States are obtained in the decennial censuses.

Births and deaths for the resident population are tabulated by the National Center for Health Statistics (NCHS), Department of Health and Human Services. Final tabulations for births and deaths were used through 1984. Provisional data were provided by NCHS for all subsequent years. The provisional estimates of "Black and other" births were distributed to "Black" and to "other races" using final 1984 data. The Current Mortality Sample of death certificates from NCHS was used to distribute provisional estimates of resident deaths by

Table C. Components of Population Change for Selected Periods, by Race: 1970 to 1986

(Numbers in thousands)

			e during period I to December		Average	Immigration
Period	Mid-period population	Net change	Natural increase	Net civilian immigration	annual percent change	as a percent of net change
White						
1985-86	203,985 198,696 190,649 183,326	2,965 7,644 7,879 8,262	2,264 5,844 4,933 5,269	699 1,806 1,146 1,151	0.7 0.8 0.8 0.9	23.6 23.6 14.5 13.9
Black						
1985-86	29,224 27,759 25,559 23,646	842 2,130 2,079 1,985	728 1,799 1,600 1,558	114 310 243 193	1.5 1.5 1.6 1.7	13.6 14.6 11.7 9.7
Other Races						
1985-86	7,313 6,064 4,031 2,924	728 1,998 1,561 834	269 600 388 292	459 1,294 855 454	5.1 6.6 7.7 5.7	63.1 64.8 54.8 54.4

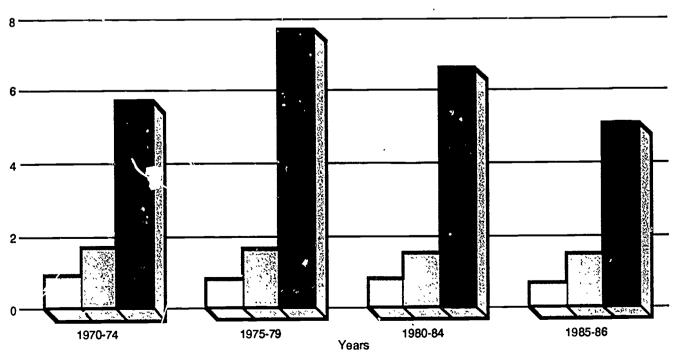
Source: Tables 2 and 3.

Figure 5.

Average Annual Percent Change, by Race: 1970 to 1986

White Black Other

10 Percent





100

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Figure 6.

Immigration as a Percent of Net Change, by Race: 1970 to 1986

Percent



60 40 20 1970-74 1975-79 1980-84 1985-86

Years

ruce. Data provided by the Department of Defense and the Coast Guard have been used to estimate deaths of military personnel.

In this report, the number of births was corrected for underregistration through March 1970. The correction was dropped after April 1, 1970, because it was estimated that the registration of births was over 99 percent complete.

Estimates of net civilian immigration are final through June 1985. Subsequent data are either partly or wholly provisional. The figures were derived by combining estimates for six separate categories<sup>10</sup>. (1) alien immigration, (2) emigration, (3) net undocumented immigration, (4) net arrivals of civilian citizens, (5) net arrivals from Puerto Rico, and (6) refugees.

Estimates of the number of alien immigrants entering the United States are derived from statistics provided by the Im

migration and Naturalization Service, Department of Justice. Estimates of the race of alien immigrants to March 1970 are based on the reported country of birth of alien immigrants and on the race of the foreign-born population enumerated in the 1960 census. Information on the race, sex, and country of origin of the foreign-born population who entered the United States in the 1965-70 period is available from a special tabulation of 1970 census data. These census figures have been used to estimate the race of alien immigrants for April 1970 to June 1979. The race of alien immigrants for July 1979 to the present has been estimated based on a special 1980 census tabulation of the foreign born who entered the United States during the 1975-80 period.

Indochinese, Cuban, and Haitian aliens who entered the United States on a conditional basis and later adjusted to permanent resident status were added to the population estimates in the year of entry rather than the year that they appeared in official immigration statistics.

No direct information about emigration of United States citizens or resident aliens is available for the period covered by this report. The Immigration and Naturalization Service stopped collecting data on alien emigration in 1957, and permanent departures of citizens are not recorded. The annual level of emigration for the 1970's is estimated to be 36,000, based on data on permanent arrivals from the United States

c. Emigrants from Puerto Rico to other outlying areas and foreign countries are counted with the immigrants to the United States in category 5.



<sup>10</sup>These statistics include Certain extraneous categories which tend to cancel out as follows:

a Immigrants from foreign countries to Puerto Rico and to other outly ing areas are counted with the immigrants to the United States in category 1.

Immigrants from other outlying areas and foreign countries to Puerto Rico are counted with the emigrants from the United States in category 5.

published during the 1960's by various foreign countries and data provided by the Social Security Administration showing the migration of beneficiaries between the United States and foreign countries. Studies have indicated that the actual level of emigration has become much higher, however. As a result of these studies, for the period from April 1980 through the present, emigration is estimated to be 160,000 per year. The estimated level of emigration was not changed for the 1970's because, without the concomitant addition of undocumented aliens for that decade, the population estimates would have been less accurate than they were.

Estimates of net undocumented immigration to the United States have been incorporated into the population estimates for all years since April 1980. Analysis of 1980 census data in conjunction with Immigration and Naturalization Service data on legal immigration and registered aliens indicates that about 2.1 million undocumented aliens residing in the United States were counted in the 1980 census.12 Of the 2.1 million undocumented aliens counted, about 940,000 entered the Jnited States during the 1975-80 period. A supplement to the April 1983 Current Population Survey was used to update the census estimates of undocumented immigration.13 Although subject to some limitations, this study found an annual net increase of 100,000 to 300,000 in the undocumented alien population for 1980 to 1983. On the basis of these two studies, an estimate of 200,000 net undocumented immigrants for each vaar since 1980 has been used for the population estimates shown in this report. The race distribution is based on the distribution by country of the same undocumented immigrants in the 1980 census and census data on the racial distribution of the foreign-born population by country.

The category of net arrivals of civilian citizens was estimated on the basis of the change in the number of civilian Federal employees overseas as reported by the Department of Defense and the Office c. Personnel Management. A change in the size of the overseas population, minus its births, was assumed to indicate net movement to or from the United States. The net movement of civilian citizens overseas not affiliated with the Federal Government was not taken into ac-

count. Data from the Office of Personnel Management were used to distribute the estimates by race.

Estimates of the net movement of persons between Puerto Rico and the United States mainland were based on the movement of passengers as reported by the Puerto Rico Planning Board. The figures for net arrivals were smoothed by use of a centered 12-month moving average. This procedure serves to eliminate variations arising from the seasonal movement of travelers.

Data on refugees and entrants who have entered the United States were provided by the Office of Refugee Resettlement, Department of Health and Human Services.

Inductions less discharges overseas (a minor component of population change shown separately in table A) represent the difference between the number of persons inducted into the Armed Forces at overseas locations and the number of servicemen discharged from the Armed Forces overseas. Inductions less discharges overseas for each month were estimated as the net change during the month in the number of recruits from overseas who are in the Armed Forces.

The last of the components of change. ,ted in table A is the error of closure. This is the difference between (1) the population as shown by a census count and (2) the estimate of the population on that date as derived from the previous census count and data on the various components of population change for the intercensal period. For the 1970-80 period, the estimate of the error of closure is 4,590,000. Since this difference represents the balance of errors in the estimates of the components of change and in the two census counts, the size of the error of closure should not be taken as a measure of the accuracy of either the estimates of the individual components of change or the census counts. The extremely large error of closure in the 1970's (compared with about 300,000 in the 1960's and 3,000 in the 1950's) has been attributed to (1) improvements in census coverage, (2) failure of the post-1970 estimate to allow for the 2.1 million undocumented aliens counted in 1980, and (3) duplicate counting in the 1980 census. In preparing the intercensal estimates shown in this report, the error of closure was distributed over the 10-year intercensal period in order to obtain a smooth transition between the 1970 and 1980 census counts.

The components of change from 1970 to 1980 and from 1980 to 1987 in table A are given according to three definitions—total population including Armed Forces overseas, resident population, and civilian population. These three sets of figures differ only in the treatment of the Armed Forces component. Components of change for the total population including Armed Forces overseas take into account deaths to all members of the Armed Forces, as well as inductions and discharges overseas; those for the resident population take into account deaths to resident Armed Forces and treat the movement of Armed Forces to and from posts overseas as an additional category of migrants; those for the civilian population omit military deaths but take into account inductions and discharges in the United States.

ing in International Migration Review.

14For the purposes of this estimation procedure, the few deaths to the American population overseas, the balance of U.S. citizens who leave Federal employment but remain overseas, and U.S. citizens living overseas who accept Federal employment was ignored.



<sup>&</sup>quot;Robert Warren and Jennifer Marks Peck, "Foreign-Born Emigration from the United States: 1960 to 1970," *Demography* 17: 71-81; and Warren and Ellen Percy Kraly, *The Elusive Exodus. Emigration from the United States*, Population Trends and Public Policy Occasional Papers, No. 8, March 1985, Population Reference Bureau, Washington,

<sup>&</sup>lt;sup>12</sup>See Robert Warren and Jeffrey S. Passel, "A Count of the Uncountable: Estimates of Undocumented Aliens Counted in the 1980 United States Census," forthcoming in *Demography* (August 1987). Appendix II; and Passel and Karen A. Woodrow, "Geographic Distribution of Undocumented Immigrants: Estimates of Undocumented Aliens Counted in the 1980 Census by State," *International Migration Review* 18 (Fall 1984): 642-671.

<sup>13</sup> Jeffrey S. Passel and Karen A. Woodrow, "Change in the Undocumented Alien Population in the United States, 1979-1983," revised version of a paper presented at the 1985 annual meeting of the Population Association of America, Boston, Massachusetts, forthcom-

Because of differences in the reporting of race between the 1980 census and sources of administrative data (such as births and deaths), the 1980 census counts were modified to be consistent with the Office of Management and Budget categories. The modification resulted in the addition of 6.3 million persons to the White category and 188,000 persons to the Black population. All persons added to these two groups had reported themselves to be of other races; the majority of them identified themselves as being of Spanish origin.<sup>15</sup>

Symbols. In this report, a dash (—) means zero or rounds to zero, "X" means not applicable, and "NA" means not available. A minus sign preceding a figure denotes decrease.

Rounding. The estimates shown in this report have been independently rounded to the nearest thousand from figures computed to the last digit; hence, the sums of parts shown may differ from the totals shown. Percents, rates, and averages are based on unrounded numbers.

### RELATED REPORTS

The table shown below lists other Current Population Reports containing estimates related to those shown in this report and specifies the years for which consistent data are provided.

Type of population estimate	Years covered	Series P-25 number
United States: By age, sex, and race	1970 to 1979 1960 to 1969	1000 917 519 311
Total, monthly, by type of population	1980 to 1987 1940 to 1969 1950 to 1960	1004 802 310
States: Components of change and age	1980 to 1986 1970 to 1979	Forth- coming 998





<sup>&</sup>lt;sup>15</sup>This modification procedure is described in more detail in Jeffrey S. Passel, "Procedures for Froducing Preliminary OMB-Consistent Modified Race Data from the 1980 Census by Age, Sex, and Hispanic Origin for States and Counties," Bureau of the Census, unpublished.

Table 1. Estimates of the Components of Population Change: 1970 to 1986

(U.S. population including Armed Forces overseas. Numbers in thousands. Includes Alaska and Hawaii in all years. For meaning of symbols, see text)

			Compone	nts of cha	nge auri	ng period		Rate	e per 1,000	0 mid-yea	r populati	on
Period	Popula- tion at beginning of period	Percent change <sup>1</sup>	Net change²	Natural increase	Births <sup>3</sup>	Deaths*	Net civilian immi- gration	Net change	Natural increase	Births	Deaths	Net an nmi- gration
Calendar year												
1987 1986 1985 1984 1983 1982 1981 1980 1979 1978	242,742 240,523 238,207 235,961 233,736 231,405 229,033 226,451 223,865 221,477	(NA) 0.92 0.97 0.95 0.95 1.01 1.04 1.14 1.16	(NA) 2,219 2,316 2,246 2,224 2,332 2,371 2,582 2,586 2,388	(NA) 1,594 1,667 1,629 1,619 1,705 1,651 1,622 1,580 1,405	(NA) 3,687 3,750 3,669 3,639 3,681 3,629 3,612 3,494 3,333	(NA) 2,093 2,083 2,040 2,020 1,975 1,979 1,990 1,914 1,928	(NA) 625 648 615 605 626 718 845 540 508	(NA) 9.2 9.7 9.5 9.5 10.0 10.3 11.3 11.5	(NA) 6.8 7.0 6.9 6.9 7.3 7.2 7.1 7.0 6.3	(NA) 15.3 15.7 15.5 15.5 15.8 15.8 15.9 15.5	(NA) 8.7 8.6 8.6 8.5 8.6 8.7 8.5	(NA) 2.6 2.7 2.6 2.7 3.1 3.7 2.4 2.3
1977 1976 1975 1974 1973 1972 1971	219,179 217,095 214,931 212,932 210,985 208,917 206,466 203,849	1.05 0.96 1.01 0.94 0.92 0.99 1.19 1.28	2,298 2,084 2,165 1,999 1,947 2,068 2,451 2,617	1,426 1,258 1,251 1,225 1,163 1,293 1,626 1,812	3,327 3,168 3,144 3,160 3,137 3,258 3,556 3,739	1,900 1,910 1,894 1,935 1,974 1,965 1,930 1,927	394 353 449 316 331 325 387 438	10.4 9.6 10.0 9.3 9.2 9.9 11.8 12.8	6.5 5.8 5.7 5.5 6.2 7.8 8.8	15.1 14.5 14.6 14.8 14.8 15.5 17.1 18.2	8.6 8.8 9.0 9.3 9.4 9.3 9.4	1.8 1.6 2.1 1.5 1.6 1.9 2.1
Year ending June 30	241,596	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA
1985-86 1984-85 1983-84 1982-83 1981-82 1980-81 1979-80 1978-79 1977-78 1976-77 1975-76 1974-75 1973-74 1972-73 1971-72 1970-71	239,283 237,001 234,799 232,520 230,138 227,757 225,055 222,585 220,239 218,035 215,973 213,854 211,909 209,896 207,661 205,052	0.97 0.96 0.94 0.98 1.03 1.05 1.20 1.11 1.06 1.01 0.95 0.99 0.92 0.96 1.08	2,313 2,283 2,202 2,279 2,382 2,702 2,471 2,345 2,204 2,062 2,119 1,945 2,013 2,235 2,608	1,639 1,667 1,580 1,682 1,697 1,621 1,607 1,513 1,372 1,392 1,218 1,256 1,161 1,222 1,446 1,785	3,723 3,745 3,614 3,666 3,619 3,563 3,415 3,304 3,274 3,127 3,181 3,111 3,195 3,393 3,713	2,085 2,078 2,034 1,999 1,969 1,955 1,902 1,932 1,882 1,909 1,925 1,951 1,973 1,947 1,927	674 613 621 597 683 757 750 486 496 335 376 402 329 339 343 395	9.6 9.6 9.3 9.8 10.3 10.4 11.0 10.6 10.1 9.5 9.9 9.1 10.7 12.6	6.8 7.0 6.7 7.2 7.3 7.1 6.8 6.2 6.4 5.6 5.8 5.5 8.6	15.5 15.7 15.3 15.7 15.8 15.7 15.3 14.9 14.4 14.8 14.6 15.1 16.2 18.0	8.7 8.6 8.6 8.5 8.7 8.6 8.8 9.0 9.2 9.4 9.3 9.3	2.8 2.6 2.6 2.9 3.3 3.2 2.2 1.5 1.7 1.9 1.5 1.6

<sup>&#</sup>x27;Percent of population at beginning of period.



<sup>&</sup>lt;sup>2</sup>Includes estimates of overseas admissions into and discharges from the Armed Forces and \*'.e error of closure between censuses.

<sup>&</sup>lt;sup>3</sup>Adjusted for underregistration through March 1970.

<sup>\*</sup>Deaths occurring in the United States plus estimated deaths occurring to Armed Forces overseas.

Table 2. Estimates of the Components of Population Change, by Race, for Calendar Years: 1970 to 1986

(U.S. population including Armed Forces overseas. Numbers in thousands. Includes Alaska and Hawaii in all years. For meaning of symbols, see text)

	<u> </u>	<u> </u>	Compone	ents of cha	nge duri	ng period		Rat	e per 1,00	0 mid-yea	ar populat	ion
Calendar year	Popula- tion at beginning of year	<sup>3</sup> ercent change <sup>1</sup>	Net change <sup>2</sup>	Natural increase	Births <sup>3</sup>	Deaths4	Net civilian immi- gration	Net	Natural increase	Births	Deaths	Net civilian immi- gration
White							-				_	
1987	205,429 203,985 202,464 200,988 199,515 197,967 196,414 194,834 193,247 191,549 189,891 188,413 186,955	(NA) 0.71 0.75 0.73 0.74 0.78 0.79 0.81 0.82 0.89 0.87 0.78	(NA) 1,444 1,521 1,476 1,473 1,548 1,554 1,580 1,587 1,698 1,657 1,478 1,459	(NA) 1,097 1,167 1,141 1,138 1,213 1,177 1,160 1,132 991 1,027 892 891	(NA) 2,927 2,983 2,924 2,904 2,942 2,909 2,808 2,681 2,681 2,568 2,552	(NA) 1,830 1,816 1,782 1,766 1,729 1,732 1,759 1,677 1,690 1,665 1,675 1,661	(NA) 346 352 334 334 374 431 271 295 223 184 173	(NA) 7.1 7.5 7.3 7.4 7.8 7.9 8.1 8.2 8.8 8.7	(NA) 5.4 5.7 5.7 5.7 6.1 6.0 5.9 5.8 5.2 4.7 4.7	(NA) 14.3 14.7 14.5 14.8 14.8 14.8 14.5 13.9 14.1	(NA) 8.9 8.8 8.8 8.7 8.8 8.9 8.6 8.8 8.7	(NA) 1.7 1.7 1.7 1.7 1.9 2.2 1.4 1.5 1.2
1974	185,515 184,118 182,603 180,743 178,692	0.78 0.76 0.83 1.03 1.15	1,440 1,396 1,515 1,861 2,050	878 822 933 1,228 1,408	2,576 2,551 2,656 2,920 3,095	1,698 1,729 1,723 1,692 1,687	175 195 199 255 327	7.7 7.6 8.3 10.2 11.4	4.7 4.4 5.1 6.8 7.8	13.8 13.8 14.5 16.1 17.2	9.1 9.4 9.4 9.3 9.4	0.9 1.1 1.1 1.4 1.8
Other Races  1987  1986  1985  1984  1983  1982  1981  1980  1979  1978  1976  1975  1974  1973  1972  1971  1970	37,313 36,537 35,742 34,973 34,221 33,437 32,619 31,617 30,618 29,928 29,928 29,976 27,417 26,867 26,313 25,723 25,157	(NA) 2.12 2.22 2.20 2.35 2.51 3.17 3.26 2.30 2.19 2.11 2.52 2.04 2.05 2.10 2.30 2.25	(NA) 775 795 769 752 784 818 1,002 999 641 605 706 559 551 553 590 566	(NA) 497 500 488 481 493 474 462 448 414 400 366 360 347 341 360 398 404	(NA) 760 767 746 735 738 721 714 686 652 636 600 592 584 586 603 636 644	(NA) 263 267 258 254 246 247 251 238 238 236 235 233 237 245 243 238 240	(NA) 278 295 281 271 292 344 414 269 213 171 169 276 142 137 126 131	(NA) 21.0 22.0 21.8 21.7 23.2 24.8 31.1 32.3 22.8 21.7 20.9 24.9 20.2 20.3 20.8 22.7 22.3	(NA) 13.5 13.8 13.9 14.6 14.4 14.5 13.7 13.5 12.6 12.7 12.5 12.6 13.6 15.3 15.9	(NA) 20.6 21.2 21.1 21.2 21.8 21.8 22.2 21.6 21.5 20.7 20.9 21.1 21.6 22.7 24.5 25.3	(NA) 7.1 7.4 7.3 7.3 7.5 7.8 7.7 7.9 8.0 8.1 8.6 9.0 9.1 9.2 9.4	(NA) 7.5 8.2 8.0 7.8 8.6 19.4 12.9 8.7 7.0 5.8 9.7 5.1 5.0 4.7 5.1
Black  1987 1986 1985 1984 1983 1982 1981 1980 1979 1978 1977 1976 1975 1974 1973 1972 1971	29,644 29,224 28,802 28,391 27,985 27,560 27,132 26,680 26,213 25,784 25,367 24,983 24,602 24,228 23,854 23,467 23,040 22,617	(NA) 1.44 1.47 1.45 1.54 1.58 1.69 1.78 1.67 1.64 1.55 1.55 1.55 1.85	(NA) 420 422 410 407 424 428 452 467 429 417 384 382 374 373 388 426 424	(NA) 363 365 357 353 366 359 356 357 330 324 295 294 284 282 303 340 349	(NA) 604 609 593 586 598 578 552 544 512 507 513 531 565 575	(NA) 241 244 236 233 227 229 233 221 221 220 220 218 223 230 229 224 226	(NA) 57 58 54 54 58 69 75 54 61 48 42 38 39 38 35 42	(NA) 14.3 14.6 14.4 15.3 15.7 16.5 16.3 15.3 15.3 15.4 15.3 15.4 18.6	(NA) 12.3 12.6 12.5 13.2 13.1 13.2 13.5 12.7 11.7 11.8 11.6 11.8 12.8 14.7 15.3	(NA) 20.5 21.0 20.7 20.8 21.3 21.5 21.9 21.2 21.3 20.5 20.6 20.8 21.3 22.5 24.3 25.2	(NA) 8.2 8.4 8.3 8.2 8.4 8.7 8.4 8.5 8.6 8.7 8.8 9.1 9.6 9.7 9.7	(NA) 1.9 2.0 1.9 2.1 2.1 2.3 1.9 1.7 1.5 1.6 1.6 1.5

Percent of population at beginning of period.

Adjusted for underregistration through watch 1970.

Deaths occurring in the United States plus estimated deaths occurring to Armed Forces overseas. 

18

Includes estimates of overseas admissions into and discharges from the Armed Forces and the error of closure between censuses. Adjusted for underregistration through March 1970.

Table 3. Estimates of the Components of Population Change, by Race, for Years Ending June 30: 1970 to 1986

(U.S. population including Armed Forces overseas. Numbers in thousands. Includes Alaska and Hawaii in all years. For meaning of symbols, see text)

			Compone	nts of cha	Rate per 1,000 mid-year population							
Year ending June 30	Popula- tion at beginning of year	Percent change <sup>1</sup>	Net change²	Natural increase	Births <sup>3</sup>	Deaths*	Net civilian immi- gration	Net change	Natural increase	Births	Deaths	Ner civilian immi- gration
White				_	_					_		
1986-87	204,671	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA
1985-86	203,156	0.75	1,515	1,141	2,959	1,817	374	7.4	5.6	14.5	8.9	1.8
1984-85	201,664	0.74	1,492	1,162	2,977	1,814	327	7.4	5.7	14.7	9.0	1.6
983-84    982-83	200,216 198,696	0.72 0.76	1,448 1,520	1,105 1,189	2,882 2,940	1,777 1,751	342 330	7.2 7.6	5.5 6.0	14.3 14.7	8.8 8.8	1.7 1.7
981-82	197,132	0.79	1,565	1,210	2,933	1,724	353	7.9	6.1	14.8	8.7	1.8
980-81	195,571	0.80	1,560	1,160	2,906	1,745	397	7.9	5.9	14.8	8.9	2.0
979-80	194,098	0.76	1,474	1,147	2,859	1,712	364	7.6	5.9	14.7	8.8	1.9
978-79	192,335	0.92	1,763	1,079	2,745	1,666	264	9.1	5.6	14.2	8.6	1.4
977-78	190,649	0.88	1,686	975	2,669	1,693	306	8.8	5.1	13.9	8.8	1.6
976-77	189,074	0.83	1,575	999	2,648	1,649	164	8.3	5.3	13.9	8.7	0.9
975-76	187,629	0.77	1,445	862	2,536	1,674	190	7.7	4.6	13.5	8.9	1.0
974-75	186,170	0.78	1,459	903	2,592	1,688	161	7.8	4.8	13.9	9.0	0.9
973-74	184,782 183,326	0.75 0.79	1,388 1,456	820 8 <del>5</del> 9	2,532	1,712	187	7.5 7.9	4.4 4.7	13.6 14.1	9.2 9.4	1.0 1.1
971-72	181,663	0.73	1,663	1,068	2,597 2,775	1,729 1,707	205 213	9.1	5.8	15.2	9.3	1.2
970-71	179,644	1.12	2,019	1,372	3,061	1,689	276	11.2	7.6	16.9	9.3	1.5
Black and Other Races												
1986-87	36,925	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA
1985-86	36,128	2.21	798	498	765	267	300	21.8	13.6	20.9	7.3	8.2
984-85	35,337	2.24	791	504	768	264	286	22.1	14.1	21.5	7.4	8.0
983-84	34,583	2.18	754	475	732	257	278	21.6	13.6	20.9	7.4	8.0
982-83	33,823	2.25	760	493	741	248	267	22.2	14.4	21.7	7.3	7.8
981-82 980-81	33,006 32,186	2.48 2.55	817 820	487 461	733 713	245 253	330 360	24.4	14.6 14.1	21.9 21.9	7.3 7.7	9.9 11.0
979-80	30,958	3.97	1,228	460	703	243	386	25.1 38.8	14.1	22.3	7.7	12.3
978-79	30,250	2.34	708	434	670	236	222	23.1	14.2	21.9	7.7	7.
977-78	29,590	2.23	659	396	635	238	190	22.0	13.2	21.2	8.0	6.3
97 <b>6-</b> 77	28,961	2.17	630	393	626	233	170	21.5	13.4	21.4	8.0	5.8
975-76	28,344	2.18	617	357	591	234	186	21.5	12.4	20.6	8.2	6.5
974-75	27,684	2.38	660	353	590	237	241	23.6	12.6	21.1	8.5	8.6
973-74	27,127	2.05	557	340	579	239	142	20.3	12.4	21.1	8.7	5.2
972-73	26,570	2.09	556	353	598	245	133	20.7	13.1	22.3	9.1	5.0
971-72 97 <b>0-</b> 71	25,998 25,408	2.20 2.32	573 589	378 413	618 652	240 238	130 119	21.8 22.9	14.4 16.1	23.5 25.3	9.1 9.3	5.0 4.6
Black												
1986-87	29,427	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA
1985-86	29,002	1.47	425	364	608	244	ð1	14.5	12.4	20.8	8.4	2.1
984-85	28,580 28,178	1.48	423	369 347	612 583	242	53 54	14.7	12.8	21.2	8.4	1.8
982-83	27,759	1.42 1.51	401 419	347 364	593	236 229	54 55	14.1 15.0	12.2 13.0	20.5 21.2	8.3 3.2	1.9 2.0
981-82	27,328	1.58	431	367	593	223	64	15.6	13.3	21.5	8.2	2.3
980-81	26,903	1.58	425	350	584	234	75	15.7	12.9	21.5	8.6	2.8
979-80	26,417	1.84	486	363	589	226	62	18.2	13.6	22.1	8.5	2.3
978-79	25,984	1.67	434	346	566	220	57	16.5	13.2	21.6	8.4	2.2
977-78	25,559	1.66	424	317	540	222	60	16.5	12.3	20.9	8.6	2.3
976-77	25,157	1.60	402	319	537	218	41	15.9	12.6	21.2	8.6	1.0
975-76	24,778	1.53	379	288	507	219	39	15.2	11.5	20.3	8.8	1.0
974-75	24,402	1.54	375	289	512	222	38	15.3	11.8	20.8	9.0	1.6
973-74 972-73	24,029 23,646	1.55	374	280	504 525	225	40	15.4	11.5	20.8	9.3	1.6
	23,040	1.62	383	295	525	230	36	16.0	12.4	22.0	9.7	1,5
1971-72	23,240	1.75	407	320	546	226	39	17.3	13.6	23.3	9.6	1.7

¹Percent of population at beginning of period.

Includes estimates of overseas admissions into and discharges from the Armed Forces and the error of closure between censuses.

<sup>&</sup>lt;sup>3</sup>Adjusted for underregistration through March 1970.

Deaths occurring in the United States plus estimated deaths occurring to Armed Forces overseas.

Table 4. Monthly Estimates of the Population, by Type: January 1, 1950, to January 1, 1987

(In thousands. Includes Alaska and Hawaii in all years. For explanation of the three types of population, see text)

	and mawall	m an years.	ror explanat	ion of the three types of populat	ion, see text)		
	Total				Total		
	population			i	population	]	i
Date	including		İ		including		İ
Date	Armed			Date	Armed		
	Forces	Resident	Civilian			Dooidoos	0:::::
	overseas	1	l .		Forces	Resident	Civilian
	Overseas	population	population		overseas	population	population
1987:		ŀ		1982—Continued			
January 1	242,742	242,221	240,483	October 1	233,184	232,665	231,003
			Į.	September 1	232,962	232,442	230,772
1986:				August 1	232,739	232,216	230,541
December 1	242,577	242,058	240,310	July 1	232,520	231,996	230,327
November 1	242,406	241,889	240,141	,			200,027
October 1	242,222	241,709	239,965	June 1	232,309	231,786	230,134
September 1	241,995	241,482	239,739	May 1	232,111	231,700	229,935
August 1	241,784	241,239	239,531	April 1	231,932		
July 1	241,596	241,078	239,357	March 1		231,414	229,756
outy 1	241,530	241,070	239,357	March 1	231,743	231,227	229,566
June 1	244 402	040.004	000 470	February 1	231,573	231,059	229,403
	241,403	240,881	239,178	January 1	231,405	230,893	229,247
May 1	241,216	240,692	238,982	_			
April 1	241,039	240,514	238,801	1981:			
March 1	240,857	240,331	238,618	December 1	231,222	230,714	229,058
February 1	240,706	240,179	238,471	November 1	231,043	230,538	228,885
January 1	240,523	239,994	238,295	October 1	230,848	230,346	228,697
				September 1	230,613	230,113	228,453
1985:				August 1	230,374	229,872	228,211
December 1	240,344	239,816	238,110	July 1	230,138	229,637	227,989
November 1	240,157	239,628	237,922	00.,	200,100	220,007	227,000
October 1	239,951	239,419	237,716	June 1	229,925	229,424	227.794
September 1	239,732	239,196	237,484	May 1	229,727	229,228	227,794
August 1	239,504	238,964	237,246	April 1	229,727	229,226	
July 1	239,283	238,741	237,036	March 1	229,349		227,413
<b>33.</b> ,	200,200	200,741	207,000	February 1	229,349	228,855	227,220
June 1	239,065	238,524	236,839	leaves 4		228,690	227,060
May 1	238,876	238,339	236,651	January 1	229,033	228,542	226,918
April 1	238,694			4000			
March 1	238,522	238,159	236,467	1980:			
		237,987	236,297	December 1	228,861	228,371	226,737
February 1	238,382	237,850	236,160	November 1	228,679	228,189	<b>226,5</b> 59
January 1	238,207	237,677	235,994	October 1	228,468	227,976	226,350
1004				September 1	228,231	227,735	226,111
1984:	202 202			August 1	227,991	227,491	225,875
December 1	238,039	237,512	235,820	July 1	227,757	227,255	225,651
November 1	237,865	237,340	235,647				
October 1	237,663	237,140	235,444	June 1	227,544	227,038	225,451
September 1	237,447	236,923	235,215	May 1	227,263	226,752	225,174
August 1	237,218	236,694	234,978	April 1	227,061	1226,546	224,968
July 1	237,001	236,477	234,762	March 1	226,849	226,337	224,757
			İ	February 1	226,656	226,147	224,569
June 1	236,807	236,283	234,586	January 1	226,451	225,945	224,374
May 1	236,624	236,101	234,409	,		}	,
April 1	236,458	235,935	234,241	1979:	ŀ	1	
March 1	236,280	235,760	234,069	December 1	226,243	225,741	224,153
February 1	236,118	235,598	233,912	November 1	226,027	225,531	223,936
January 1	235,961	235,444	233,763	October 1	225,801	225,309	223,710
				September 1	225,547	225,058	223,710
1983:	I	1	j	August 1	225,295	224,805	
December 1	235,796	235,282	233,593	July 1	225,255	224,567	223,202 222,969
November 1	235,623	235,112	233,425	oui,	£20,000	224,00/	£££,303
October 1	235,439	234,928	233,425	lung 1	224 242	334	000 -00
September 1	235,225	234,715		June 1	224,843	224,353	222,768
August 1	235,005	234,715	233,021	May 1	224,632	224,142	222,553
July 1			232,795	April 1	224,438	223,949	222,355
outy 1	234,759	234,284	232,589	March 1	224,235	223,745	222,145
June 1	224 500	224 / 04	,,,,,,	February 1	224,053	223,564	221,957
	234,599	234,081	232,402	January 1	223,865	223,378	221,769
May 1	234,411	233,894	232,213		Į	j	
April 1	234,237	233,718	232,034	1070	ŀ	ŀ	
March 1	234,054	203,534	231,858	1978:		{	_
February 1	233,901	233,379	231,709	December 1	223,670	223,183	221,562
January 1	233,736	233,217	231,552	November 1	223,477	222,994	221,361
		į	į	October 1	223,271	222,787	221,150
1982:	i		ĺ	September 1	223,053	222,567	220,931
December 1	233,559	233,041	231,369	August 1	222,805	222,315	220,683
November 1	233,379	232,860	231,192	July 1	222,585	222,095	220,467
. November 1	233,3791	232,860 [	231,192 l	July I	222,585	222,095	220,4

Table 4. Monthly Estimates of the Population, by Type: January 1, 1950, to January 1, 1987—Continued (In thousands. Includes Alaska and Hawaii in all years. For explanation of the three types of population, see text)

Date	Total population including Armed Forces overseas	Resident population	Civilian population	Date	Total population including Armed Forces	Resident population	Civilian population
1978 — Continued June 1 May 1 April 1 March 1 February 1 January 1	222,379 222,176 221,991 221,792 221,629 221,477	221,890 221,689 221,504 221,308 221,145 220,995	220,275 220,064 219,873 219,670 219,504 219,358	1973: December 1	212,785 212,634 212,475 212,289 212,092 211,909	212,261 212,105 211,944 211,753 211,549 211,357	210,512 210,351 210,187 209,997 209,785 209,600
1977:     December 1	221,303 221,109 220,904 220,688 220,458 220,239	220,824 220,634 220,430 220,213 219,979 219,760	219,173 218,976 218,769 218,555 218,320 218,106	June 1 May 1 April 1 March 1 February 1 January 1	211,748 211,577 211,420 211,254 211,120 210,985	211,194 211,016 210,854 210,685 210,524 210,410	209,434 209,244 209,068 208,879 208,728 208,580
June 1	220,046 219,859 219,684 219,504 219,344 219,179	219,566 219,379 219,206 219,026 218,867 218,706	217,919 217,729 217,553 217,369 217,206 217,046	1972: Decamber 1 November 1 October 1 September 1 August 1. July 1	210,821 210,656 210,479 210,278 210,075 209,896	210,218 210,047 209,865 209,674 209,464 209,284	208,391 208,224 208,062 207,872 207,683 207,511
1976: December 1 November 1 October 1 September 1 August 1 July 1	219,006 218,834 218,644 218,440 218,233 218,035	218,535 218,366 218,176 217,971 217,760 217,563	216,865 216,685 216,498 216,292 216,086 215,894	June 1 May 1 April 1 March 1 February 1 January 1	209,725 209,545 209,386 209,212 209,061 208,917	209,114 208,916 208,741 208,523 208,374 208,224	207,340 207,129 206,923 206,707 206,522 206,324
June 1	217,861 217,685 217,528 217,381 217,249 217,095	217,385 217,207 217,047 216,898 216,763 216,609	215,723 215,543 215,383 215,233 215,103 214,957	1971: December 1	208,740 208,555 208,345 208,114 207,881 207,661	208,001 207,793 207,548 207,322 207,072 206,827	206,082 205,859 205,629 205,366 205,106 204,866
1975:     December 1	216,931 216,771 216,587 216,393 216,195 215,973	216,441 216,282 216,095 215,898 215,693 215,465	214,772 214,616 214,424 214,223 214,008 213,788	June 1 May 1 April 1 March 1 February 1 January 1	207,462 207,260 207,065 206,855 206,668 206,466	203,629 206,392 206,175 205,924 205,734 205,546	204,647 204,411 204,182 203,929 203,717 203,499
June 1	215,768 215,523 215,353 215,198 215,065 214,931	215,255 215,006 214,839 214,686 214,560 214,428	213,589 213,342 213,162 212,993 212,862 212,738	1970:     December 1	206,238 206,024 205,788 205,540 205,295 205,052	205,272 205,018 204,757 204,500 204,245 203,984	203,222 202,980 202,707 202,430 202,158 201,895
1974: December 1	214,782 214,625 214,451 214,246 214,042 213,854	214,281 214,125 213,951 213,745 213,540 213,342	212,573 212,414 212,238 212,036 211,824 211,636	June 1	204,830 204,607 204,401 204,156 204,008 203,849	203,756 203,509 203,302 203,032 202,865 202,717	201,655 201,394 201,131 200,839 200,662 200,466
June 1	213,686 213,513 213,361 213,211 213,074 212,932	213,181 213,007 212,856 212,702 212,563 212,418	211,475 211,287 211,120 210,963 210,822 210,676	1969: December 1 November 1 October 1 September 1	203,675 203,500 203,302 203,090	202,494 202,279 202,050 201,826	200,236 200,031 199,770 199,546

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Table 4. Monthly Estimates of the Population, by Type: January 1, 1950, to January 1, 1987—Continued (In thousands. Includes Alaska and Hawaii in all years. For explanation of the three types of population, see text)

Date	Total population including Armed Forces	Pasidos	Civilian	Date	Total population including Armed	Dag!dag.	<b>O</b> 1.311.5
	overseas	Resident population	population		Forces overseas	Resident population	Civilian population
1969 – Continued		_		1965—Continued			<u> </u>
August 1	202,877	201,581	199,342	June 1	194.087	193,329	191,406
July 1	202,677	201,385	199,145	May 1	193,888	193,158	191,204
June 1	202,507			April 1	193,709	192,983	191,021
May 1	202,307	201,210 201,048	198,986 198,806	March 1	193,540	192,781	190,846
April 1	202,161	200,887	198,653	February 1	193,393	192,680	190,686
March 1	202,023	200,729	198,525	January 1	193,223	192,529	190,512
February 1	201,881	200,589	198,398	1964:			
January 1	201,760	200,498	198,287	December 1	193,039	192,347	190,307
1				November 1	192,847	192,119	190,109
1968:				October 1	192,631 192,376	191,899 191,65 <b>5</b>	189,883 189,624
December 1	201,621 201,466	200,342 200,185	198,119 197,943	August 1	192,370	191,401	189,374
October 1	201,290	200,183	197,943	July 1	191,889	191,141	189,141
September 1	201,095	199,809	197,512	June I	191,666	190,925	188,91 <b>9</b>
August 1	200,898	199,593	197,302	May 1	191,666	190,925	188,696
July 1	200,706	199,399	197,113	April 1	191,245	190,507	188,497
June 1	200,536	199,238	196,975	March 1	191,047	190,304	188,299
May 1	200,330	199,070	196,823	February 1	190,858	190,124	188,121
April 1	200,208	198,923	196,693	January 1	190,668	189,973	187,942
March 1	200,056	198,788	196,565	1963:			
February 1	199,920	198,679	196,443	December 1	190,472	189,760	187,723
January 1	199,808	198,578	196,359	November 1	190,265	189,544	187,518
				October 1	190,028	189,301	187,281
1967:	400 057	400 400	400 400	September 1	189,761 189,496	189,026 188,762	187,008 186,741
December 1	199,657 199,498	198,428 198,275	196,192 196,029	July 1	189,242	188,483	186,493
October 1	199,311	198,075	195,842		•		
September 1	199,113	197,852	195,660	June 1	189,018 186,790	188,271 188,046	186,280 186,049
August 1	198,911	197,675	195,464	April 1	188,580	187,837	185,839
July 1	198,712	197,457	195,264	March 1	188,387	187,656	185,652
June 1	198,537	197,283	195,094	February 1	188,213	187,456	185,484
May 1	198,363	197,124	194,911	January 1	188,013	187,284	185,282
April 1	198,206	196,976	194,761	1962:			
March 1	198,037	196,834	194,600	December 1	187,796	187,016	185,052
February 1 January 1	197,892 197,736	196,696 196,596	194,475 194,355	November 1	187,574	186,761	184,816
Sandary 1	137,730	190,590	194,355	October 1	187,323	186,561	184,581
ose.		Ì		September 1	187,058 186,790	186,326   186,016	184,318 183,926
966: December 1	197,572	196,406	194,195	July 1	186,538	185,771	183,677
November 1	197,398	196,306	194,059				
October 1	197,207	196,147	193,928	June 1	186,314 186,087	185,551 185,284	183,454 183,209
September 1	196,984	195,957	193,751	April 1	185,874	185,104	182,987
August 1	196,762   196,560	195,727 195,576	193,581 193,420	March 1	185,650	184,872	182,760
odiy 1	130,300	195,570	193,420	February 1	185 452	184,684	182,554
June 1	196,372	195,371	193,274	January 1	185,242	184,508	182,392
May 1	196,178	195,209	193,133	1961:			
April 1	195,999   195,831	195,045	192,990	December 1	185,016	184,265	182,188
February 1	195,688	194,881 194,759	192,855 192,747	November 1	184,783	184,058	182,007
January 1	195,539	194,649	192,633	October 1	184,524	183,822	181,913
	1			August 1	184,243 183,958	183,5 <b>5</b> 2 183,266	181,66 <b>6</b> 181,397
965:	j			July 1	183,691	182,992	181,143
December 1	195,372	194,506	192,529		183,452		
	195,195	194,319	192,394	June 1	183,452	182,771 182,517	180,9 <b>2</b> 1 180,675
November 1				,			
October 1	194,997	194,164	192,232	April 1	182,992	182,298	180,445
	194,997 194,761 194,528	194,164 193,924 193,750	192,232 192,035 191,820	April 1	182,992 182,742 182,520	182,298 182,031 181,848	180,445 180,187 179,962

Table 4. Monthly Estimates of the Population, by Type: January 1, 1950, to January 1, 1987—Continued (In thousands. Includes Alaska and Hawaii in all years. For explanation of the three types of population, see text)

	Total				Total		
	population				population		
Date	including			Date	including		
Date	Armed			Date	Armed		
	Forces	Resident	Civilian		Forces	Resident	Civiliari
	overseas	population	population		overseas		population
							<u> </u>
960:				1956 — Continued			
December 1	182,042	181,364	179,484	August 1	169,191	168,386	166,334
November 1	181,796	181,123	179,240	July 1	168,903	168,088	166,055
October 1	181,528	180,848	178,981			i	
September 1	181,238	180,571	178,698	June 1	168,659	167,855	165,811
August 1	180,945	180,257	178,408	May 1	168,436	167,634	165,564
July 1	180,671	179,979	178,140	April 1	168,221	167,405	165,336
				March 1	167,977	167,145	165,078
June 1	180,444	179,780	177,926	February 1	167,746	166,924	164,834
May 1	180,222	179,540	177,695	January 1	167,513	166,725	164,597
April 1	180,007	³179,323	177,472				
March 1	179,788	179,112	177,244	1955:			
February 1	179,597	178,902	177,052	December 1	167,270	166,464	164,325
January 1	179,386	178,729	176,850	November 1	167,270	166,198	164,071
				October 1	166,755	165,934	163,795
959:				September 1	166,473	165,649	163,799
December 1	179,153	178,495	176,599	August 1	166,192	165,338	163,433
November 1	178,921	178,239	176,374	July 1			
October 1	178,657	177,953	176,114	July 1	165,931	165,069	162,967
September 1	178,376	177,686	175,826	lung 1	185 605	164 042	162 600
August 1	178,101	177,403	175,545	June 1	165,695	164,843	162,698
July 1	177,830	177,135	175,277	May 1	165,463	164,574	162,399
· '				April 1	165,251	164,339	162,117
June 1	177,591	176,894	175.039	March 1	165,018	164,051	161,831
May 1	177,365	176,653	174,799	February 1	164,809	163,844	161,578
April 1	177,146	176,458	174,559	January 1	164,588	163,654	161,379
March 1	176,905	176,205	174,305				
February 1	176,685	175,997	174,074	1954:			
January 1	176,447	175,775	173,831	December 1	164,349	163,389	161,088
ŕ	·		,	November 1	164,107	163,109	160,822
958:	-			October 1	163,847	162,825	160,538
December 1	176,207	175,510	173,559	September 1	163,570	162,514	160,252
November 1	175,966	175,263	173,333	August 1	163,290	162,184	159,959
October 1	175,697	174,972	173,042	July 1	163,026	161,884	159,695
September 1	175,413	174,712	173,042	,	,	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
August 1	175,413	174,712	172,752	June 1	162,790	161,648	159,449
July 1	175,143		172,486	May 1	162,564	161,396	159,208
July 1	174,002	174,149	1/2,220	April 1	162,350	161,172	158,978
June 1	174,639	173,927	171,990	March 1	162,124	160,908	158,735
May 1	174,039	173,827	171,390	February 1	161,912	160,681	158,500
April 1	174,337	173,063		January 1	161,690	160,492	158,254
March 1			171,504		101,000	100,402	100,204
February 1	173,945	173,187	171,277				
January 1	173,746 173,533	172,988 172,809	171,080	1953:			
Salidary 1	173,533	1/2,609	170,862	December 1	161,453	160,210	157,961
957:			1	November 1	161,223	159,959	157,706
December 1	173,298	172,549	170,560	October 1	160,978	159,707	157,434
November 1	173,230	172,343		September 1	160,718	159,445	157,135
October 1	172,816	172,307	170,288	August 1	160,449	159,169	156,857
September 1			169,969	July 1	160,184	158,956	156,595
	172,538	171,765	169,660			ì	
August 1	172,257	171,466	169,359	June 1	159,956	158,759	156,380
July 1	171,984	171,187	169,110	May 1	159,745	158,535	156,186
1 1	171 741	470.000	400.000	April 1	159,556	158,357	156,003
June 1	171,741	170,960	168,893	March 1	159,349	158,115	155,803
	171,501	170,691	168,658	February 1	159,170	157,964	155,621
April 1	171,271	170,487	168,433	January 1	158,973	157,815	155,430
March 1	171,029	170,242	168,198		1	1	
February 1	170,806	170,025	167,977	1050	ŀ	į	
January 1	170,571	169,817	167,750	1952:	455		
, e.e.	I	ļ	4	December 1	158,757	157,570	155,188
956:	170 045	100 710	407	November 1	158,451	157,346	154,947
December 1	170,315	169,516	167,468	October 1	158,306	157,097	154,688
	170,063	169,288	167,213	September 1	158,053	156,885	154,399
November 1	400				453 300 1	450045	454405
October 1	169,780	169,000	166,937	August 1	157,798	156,615	154,125
	1 <b>6</b> 9,780 1 <b>69</b> ,488	169,000 168,704	166,643	July 1	157,798	156,393	154,125 1 <b>5</b> 3,89 <b>2</b>

Table 4. Monthly Estimates of the Population, by Type: January 1, 1950, to January 1, 1987—Continued (In thousands, Includes Alaska and Hawaii in all years, For explanation of the three types of population, see text)

Date	Total population including Armed Forces overseas	Resident population	Civilian population	Date	Total population including Armed Forces overseas	Resident population	
1952—Continued				1951 – Continued			
June 1	157,343	156,218	153,658	March 1	154,019	153,301	151,197
May 1	157,140	156,000	153,428	February 1	153,831	153,126	
April 1	156,943	155,828	153,233	January 1	153,622	152,973	151,138
March 1	156,731	155,622	153.053	, , , , , , , , , , , , , , , , , , ,	.00,022	102,070	101,200
February 1	156,527	155,427	152,932	1950:			
January 1	156,309	155,259	152.811	December 1	153,415	152,762	151,128
•	-	-	Í	November 1	153,209	152,597	151,067
1951:				October 1	152,985	152,409	
December 1	156,093	155,046	152,599	September 1	152,750	152,220	
November 1	155,872	154,773	152,424	August 1	152,503	152,071	150,984
October 1	155,624	154,606	152,218	July 1	152,271	151,868	150,790
September 1	155,373	154,433	151,997	•		,	,
August 1	155,121	154,200	151,778	June 1	152.064	151,658	150,582
July 1	154,878	153,982	151,599	May 1	151,878	151,477	150,389
			Ì	April 1	151,718	1151,326	
June 1	154,649	153,793	151,450	March 1	151,529	151,315	150,020
May 1	154,425	153,605	151,324	February 1	151,343	150,937	149,809
April 1	154,224	153,438	151,233	January 1	151,135	150,720	149,563

<sup>&</sup>lt;sup>1</sup>Census count: April 1, 1980-226,545,805.



<sup>&</sup>lt;sup>2</sup>Census count: April 1, 1970-203,302,031. <sup>3</sup>Census count: April 1, 1960-179,323,175.

<sup>\*</sup>Census count: April 1, 1950-151,325,798.

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