

SOCIAL SECURITY AREA POPULATION PROJECTIONS 1986

ACTUARIAL STUDY NO. 97
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FOREWORD

Actuarial Study No. 97 describes the population projections that underlie the long-range cost estimates for the Old-Age, Survivors, and Disability Insurance (OASDI) program, which are included in the 1986 Report of the OASDI Board of Trustees to Congress.

The reader should be aware that the population projections presented in this study differ from those published by the Bureau of the Census. The projections prepared by the Bureau of the Census are generally for only the United States including armed forces overseas. Those presented here include Puerto Rico, Guam, American Samoa, the Virgin Islands, and other U.S. citizens living abroad. In addition, the assumptions used by the Bureau of the Census in making population projections are generally not the same as the assumptions used by the Office of the Actuary.

The reader should also be aware that the historical populations referenced in this study include geographical regions and population subgroups that vary through time. Therefore, the historical populations for one particular year may not be consistent with those for an earlier or later year.

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SOCIAL SECURITY AREA POPULATION PROJECTIONS: 1986

I. INTRODUCTION

Each year estimates of future income and expenditures of the Old-Age and Survivors Insurance and Disability Insurance (OASDI) program are presented to the Congress in the Annual Report of the Board of Trustees. These estimates provide fundamental financial guidelines in the policy making process for OASDI.

The initial step in the estimating process is to project the number of people in the geographical areas covered by OASDI for each of the next 75 years. This study provides details about the population projections used in preparing the 1986 Annual Report of the OASDI Board of Trustees. The population projections were also used in estimating the future financial status of the Hospital Insurance (HI) program as described in the 1986 Annual Report of the HI Board of Trustees. The population projections described in this study supersede those published in Actuarial Study Number 95, which were used in the preparation of the 1985 Annual Reports. These new projections start from an estimate of the July 1, 1984 population; reflect more recent data on fertility, mortality, marriage, and divorce; and revise the projections of mortality, fertility, divorce, and marriage. Considerably more detail than is published here is available from the Office of the Actuary, upon request.

Because eligibility for many categories of OASDI benefits depends on marital status, the population is projected by marital status, as well as by age and sex. The projections start from a recent estimate of the population in the Social Security Area by age, sex, and marital status and from a recent estimate of existing marriages by age of husband and age of wife. Three separate projections, denoted Alternatives I, II, and III, are developed by analyzing historical data and making

three different sets of assumptions about future net immigration, birth rates and death rates.

Alternative II, also referred to as the intermediate projection, is based on assumptions that are thought to be the most likely to occur among the three sets presented. Alternative I is designated as optimistic because among the three projections the assumptions selected produce the most favorable financial effect for OASDI. Conversely, the assumptions chosen for Alternative III, designated pessimistic, produce the most unfavorable financial effect. Alternatives I and III are designed to give policy makers a sense of the variability inherent in the financial projections.

II. STARTING POPULATION

The starting population for the projections was the estimated population in the Social Security Area as of July 1, 1984, by single year of age, sex, and marital status. Table 1 shows this starting population by age group, sex, and marital status. The components of the Social Security Area and the estimated population of each component (in thousands) are as follows:

Residents of the fifty States and D.C. and armed forces overseas	236,569
Adjustment for net census undercount	3,542
Civilian residents of Puerto Rico	3,266
Civilian residents of the Virgin Islands.....	107
Civilian residents of Guam.....	112
Civilian residents of American Samoa.....	35
Federal civilian employees overseas	41
Dependents of Armed Forces and Federal employees overseas	500
Crew members of merchant vessels.....	14
Other citizens overseas.....	500
Total.....	244,686

Table 1.—July 1, 1984 Population in the Social Security Area by Age Group, Sex, and Marital Status
[In thousands]

Age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
0-4.....	18,709	9,580	9,580	0	0	0	9,129	9,129	0	0	0
5-9.....	17,132	8,769	8,769	0	0	0	8,363	8,363	0	0	0
10-14.....	18,125	9,275	9,274	1	0	0	8,850	8,845	6	0	0
15-19.....	19,225	9,810	9,601	201	1	7	9,415	8,733	652	1	30
20-24.....	22,298	11,372	8,468	2,691	5	208	10,926	6,354	4,163	15	395
25-29.....	22,353	11,336	4,685	6,025	11	615	11,018	3,107	6,986	63	863
30-34.....	20,352	10,260	2,356	6,949	16	938	10,091	1,436	7,415	89	1,151
35-39.....	17,679	8,875	1,174	6,739	32	930	8,804	710	6,780	134	1,181
40-44.....	14,377	7,194	590	5,786	30	788	7,183	405	5,579	218	980
45-49.....	11,920	5,932	424	4,860	55	593	5,988	293	4,684	300	711
50-54.....	11,369	5,593	375	4,627	107	484	5,776	262	4,402	516	597
55-59.....	11,723	5,646	356	4,699	186	406	6,077	263	4,357	888	569
60-64.....	11,113	5,235	317	4,328	284	306	5,877	260	3,811	1,339	468
65-69.....	9,242	4,196	251	3,401	348	196	5,045	243	2,801	1,693	309
70-74.....	7,480	3,172	175	2,457	426	114	4,308	231	1,907	1,974	197
75-79.....	5,367	2,095	98	1,504	438	55	3,272	199	1,017	1,947	110
80-84.....	3,394	1,171	49	722	375	24	2,223	143	476	1,544	60
85-89.....	1,882	555	23	257	264	11	1,327	86	213	992	36
90-94.....	731	192	8	60	120	4	540	35	58	432	15
95+.....	214	52	2	7	41	1	162	10	8	139	4
0-19.....	73,191	37,434	37,224	202	1	7	35,758	35,070	657	1	30
20-64.....	143,185	71,444	18,744	46,704	726	5,269	71,741	13,089	48,177	3,560	6,914
65+.....	28,310	11,432	606	8,409	2,013	405	16,878	946	6,480	8,721	731

Table 1.—July 1, 1984 Population in the Social Security Area by Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
20-65.....	145,167	72,356	18,799	47,449	792	5,316	72,811	13,139	48,810	3,874	6,988
20-66.....	147,097	73,250	18,853	48,176	861	5,359	73,847	13,188	49,403	4,201	7,055
20-67.....	148,941	74,090	18,903	48,857	932	5,399	74,851	13,236	49,960	4,539	7,116
20-68.....	150,713	74,882	18,950	49,496	1,002	5,434	75,830	13,284	50,484	4,890	7,172
20-69.....	152,426	75,640	18,995	50,105	1,074	5,465	76,786	13,332	50,978	5,253	7,223
66+.....	26,328	10,520	551	7,663	1,947	358	15,808	896	5,847	8,407	658
67+.....	24,398	9,626	498	6,936	1,877	315	14,772	847	5,254	8,081	591
68+.....	22,554	8,786	447	6,256	1,807	276	13,768	799	4,697	7,742	529
69+.....	20,782	7,994	400	5,616	1,737	241	12,789	751	4,173	7,391	473
70+.....	19,069	7,236	355	5,007	1,665	209	11,833	704	3,679	7,028	422
Total.....	244,686	120,310	56,575	55,314	2,739	5,681	124,377	49,105	55,314	12,282	7,675

An estimate of the number of residents of the fifty States and D.C. and Armed Forces overseas by sex for single years of age through 84, and for the age group 85 and over as of July 1, 1984, was obtained from *Current Population Reports*, Series P-25, No. 965, published by the Bureau of the Census. The numbers of persons in the other components of the Social Security Area were estimated by sex for single years of age through 84, and for the age group 85 and over from data of varying detail. The latest unpublished Bureau of the Census estimates of the net 1980 census undercount assuming 3 million illegal immigrants were used in determining the adjustment for net census undercount. The numbers of civilian residents of Puerto Rico, the Virgin Islands, Guam, and American Samoa were estimated from data obtained from the Bureau of the Census. The numbers of Federal civilian employees and of armed forces overseas were estimated from data supplied by the Department of State. The number of crew members of merchant vessels was estimated from data obtained from the Maritime Administration. The number of other citizens overseas covered by Social Security was estimated from data supplied by the Department of State. The overlap among the components, believed to be small, was ignored. The age distribution of those aged 85 and over in the starting population was assumed to be the same as that in the population enrolled under the Medicare program as of January 1, 1984. In order to

bring some degree of cohort consistency for ages 60 through 85 in the resulting estimates of the Social Security Area population, adjustments were made, when necessary, to the estimated numbers of residents of the fifty states and DC and Armed Forces overseas. The adjustments were required to result in historical population survival rates that did not exceed a varying scale of rates, which ranged from .995 at age 60 to .970 at age 85. In order to accomplish this an iterative process was used to change population estimates when necessary, by using a moving weighted average graduation formula on the cohort population data.

Table 2 shows the starting married population by age group of husband crossed with age group of wife. The distribution of the starting population by marital status (never married, currently married, currently widowed, and currently divorced) was estimated by age and sex from data published by the Bureau of the Census in *Current Population Reports*, Series P-20, No. 399. A distribution of starting married population by age of husband crossed with age of wife was estimated from data published by the Bureau of the Census in the 1980 *Census of Population Subject Report on Marital Status* No. PC80-2-4C. The distribution as shown in the 1980 census was adjusted to represent 1984 by an iterative proration method designed to assure consistency with the previously estimated starting married population by age and sex.

Table 2.—July 1, 1984 Existing Marriages in the Social Security Area by Age Group of Husband and Wife
[In thousands]

Age group of husband	Age group of wife														
	Total	14-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84
14-19.....	202	133	55	5	1	2	1	1	1	1	0	0	0	0	0
20-24.....	2,691	417	1,884	322	45	12	4	2	2	1	1	0	0	0	0
25-29.....	6,025	79	1,748	3,589	499	76	18	6	3	2	1	1	1	0	0
30-34.....	6,949	16	344	2,376	3,637	461	82	20	6	3	1	1	0	1	0
35-39.....	6,739	5	85	493	2,475	3,200	381	70	18	6	3	2	1	1	0
40-44.....	5,786	2	26	128	524	2,267	2,438	308	64	18	6	2	1	1	0
45-49.....	4,860	1	9	40	142	503	1,900	1,887	283	63	19	8	3	1	0
50-54.....	4,627	1	5	17	55	162	516	1,685	1,721	340	87	27	9	3	1
55-59.....	4,699	1	3	8	23	62	160	498	1,632	1,794	386	93	28	8	2
60-64.....	4,328	1	2	4	8	23	54	145	488	1,537	1,597	353	89	21	4
65-69.....	3,401	0	1	2	3	8	17	43	130	435	1,254	1,155	275	61	11
70-74.....	2,457	0	0	1	1	3	6	14	40	119	351	868	830	180	30
75-79.....	1,504	0	0	0	1	1	2	4	11	31	85	235	540	464	86
80-84.....	722	0	0	0	0	0	0	1	2	5	12	33	83	187	245
85+.....	324	0	0	0	0	0	0	1	2	3	8	21	47	90	95
Total.....	55,314	657	4,163	6,986	7,415	6,780	5,579	4,684	4,402	4,357	3,811	2,801	1,907	1,017	476

III. ANALYSIS AND PROJECTION OF COMPONENTS OF POPULATION CHANGE

In attempting to estimate net immigration and numbers of births, deaths, marriages, and divorces in future years, it is instructive to review and analyze historical trends. Since the actual numbers of births, deaths, marriages, and divorces depend on the size of the population, it is better to analyze them as rates rather than as absolute numbers. A rate is defined as the ratio of the number of occurrences of an event during a year to the mid-year population having the potential to experience the event. Because death rates vary significantly by sex, they are calculated for males and females separately. Because rates of birth, death, marriage, and divorce vary greatly by age, they are calculated on an age-specific basis (each age or age group separately) rather than on a crude basis (all ages combined). Although calculating the rates on an age-specific basis improves accuracy, it also yields an over-abundance of figures for any one year. Thus in order to study trends through time, it becomes helpful, if not necessary, to use a single statistic that summarizes the age-specific rates for each year.

A. Fertility

Age-specific birth rates are defined as the births during the year to mothers at the specified age divided by the mid-year female population at that age. Birth rates for women at each age 14 through 49 were obtained from the National Center for Health Statistics for each year 1917 through 1983. To summarize the fertility experience for a single year, total fertility rates were used. The total fertility rate is a simple sum of the age-specific birth rates applicable during the year. Thus the total fertility rate can be interpreted as the number of children that would be born to a woman if she were to survive her childbearing years and were to experience those age-specific birth rates throughout her childbearing years. Table 3 gives past and projected total fertility rates by alternative. Chart 1 gives past and assumed total fertility rates for 1920-2080.

Table 3.—Total Fertility Rates by Calendar Year and Alternative
[Per thousand women]

Calendar year	Total fertility rate
1920.....	3,263.3
1921.....	3,326.2
1922.....	3,109.4
1923.....	3,101.2
1924.....	3,120.7
1925.....	3,011.6
1926.....	2,900.7
1927.....	2,824.3
1928.....	2,659.8
1929.....	2,532.0
1930.....	2,532.5
1931.....	2,401.7
1932.....	2,318.6
1933.....	2,172.0
1934.....	2,232.0
1935.....	2,188.7
1936.....	2,145.6
1937.....	2,173.3
1938.....	2,221.7
1939.....	2,171.7
1940.....	2,229.0
1941.....	2,331.5
1942.....	2,554.8

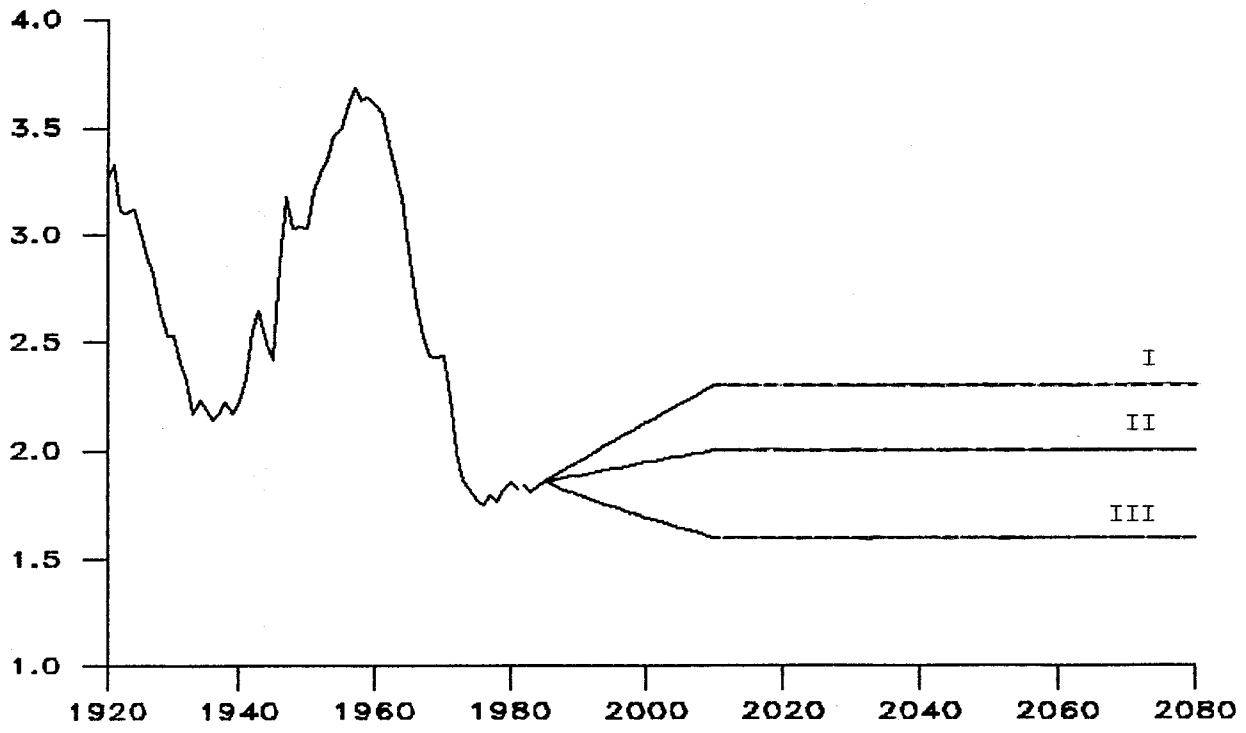
Table 3.—Total Fertility Rates by Calendar Year and Alternative (Cont.)
[Per thousand women]

Calendar year	Total fertility rate		
1943.....	2,640.2		
1944.....	2,494.5		
1945.....	2,421.8		
1946.....	2,857.9		
1947.....	3,181.2		
1948.....	3,026.2		
1949.....	3,036.2		
1950.....	3,028.0		
1951.....	3,199.1		
1952.....	3,286.5		
1953.....	3,349.4		
1954.....	3,461.2		
1955.....	3,498.3		
1956.....	3,604.7		
1957.....	3,682.4		
1958.....	3,628.9		
1959.....	3,638.2		
1960.....	3,605.7		
1961.....	3,563.9		
1962.....	3,423.3		
1963.....	3,297.8		
1964.....	3,170.9		
1965.....	2,881.6		
1966.....	2,670.4		
1967.....	2,525.5		
1968.....	2,431.0		
1969.....	2,422.9		
1970.....	2,431.7		
1971.....	2,245.4		
1972.....	1,993.6		
1973.....	1,862.5		
1974.....	1,824.4		
1975.....	1,770.3		
1976.....	1,744.8		
1977.....	1,795.0		
1978.....	1,764.4		
1979.....	1,816.7		
1980.....	1,849.0		
1981.....	1,825.4		
1982.....	1,834.7		
1983.....	1,805.3		
1984.....	1,826.7		
1985.....	1,857.0		
	Alternative I	Alternative II	Alternative III
1986.....	1,875.6	1,861.9	1,842.7
1987.....	1,894.1	1,867.3	1,829.3
1988.....	1,912.6	1,873.1	1,816.6
1989.....	1,930.9	1,879.1	1,804.6
1990.....	1,949.3	1,885.2	1,793.2
1991.....	1,967.7	1,891.2	1,782.0
1992.....	1,986.0	1,897.3	1,771.1
1993.....	2,004.2	1,903.4	1,760.5
1994.....	2,022.1	1,909.5	1,750.1
1995.....	2,039.9	1,915.6	1,739.9
1996.....	2,057.6	1,921.7	1,730.1
1997.....	2,075.3	1,927.8	1,720.3
1998.....	2,092.9	1,933.8	1,710.6
1999.....	2,110.5	1,939.8	1,700.9
2000.....	2,127.9	1,945.7	1,691.3
2001.....	2,145.3	1,951.6	1,681.7
2002.....	2,162.7	1,957.4	1,672.1
2003.....	2,180.2	1,963.1	1,662.5
2004.....	2,197.7	1,968.6	1,653.1
2005.....	2,215.1	1,973.9	1,643.8
2006.....	2,232.4	1,979.2	1,635.0
2007.....	2,249.6	1,984.5	1,626.2
2008.....	2,266.7	1,989.7	1,617.4
2009.....	2,283.4	1,994.9	1,608.7
2010.....	2,300.0	2,000.0	1,600.0

Note: The total fertility rate is the average number of children that would be born to a woman if she were to survive the childbearing period and were to experience the age-specific central birth rates for the tabulated year throughout that period.

CHART 1.--Total Fertility Rate (in children per woman), 1920-2080

Actual and Projected by Alternative



As a first step in projecting fertility, it is instructive to examine the recent history of fertility in the United States. During the period 1917 to 1925, the total fertility rate was more than three children per woman. During the period 1924 to 1933 the total fertility rate declined from 3.1 to 2.2 children per woman, and then remained level at 2.1 to 2.2 children per woman through 1940. During the next 20 years, the total fertility rate increased unsteadily to more than 3.6 children per woman. Throughout the 1960's and early 1970's, the total fertility rate declined steadily to a low point of 1.7 in 1976. Since then, the total fertility rate has been about 1.8 children per woman.

We believe that the total fertility rate will eventually increase above the present low level, but that it will not return to the high levels observed during the late 1940's, the 1950's, and the early 1960's. We believe that the total fertility rate will ultimately exceed the present low level because such a total fertility rate has never been experienced in the United States over a long period of time and because such a level is below that needed to maintain the size of the population in the absence of increased net immigration. A rate of 2.1 would result in a nearly constant population if net immigration were equal to zero and if mortality rates were constant at levels close to current U.S. experience. We believe that the total fertility rate will not return to the high levels observed in the past because of the increased availability and use of birth control methods, changes in the roles of women in our society, the increased prevalence of divorce, the increased postponement of marriage among young women, and the shift in the perception of the status of children within their families from economic assets to economic liabilities. Recent birth expectation surveys, such as that published by the Bureau of the Census in the *Current Population Reports*, Series P-20, No. 395, are consistent with a long-range assumption for the total fertility rate in the neighborhood of 2.0-2.1 children per woman. Thus, an ultimate total fertility

rate of 2.0 children per woman was selected as the intermediate (Alternative II) assumption for the 1986 Report of the Board of Trustees.

To help in selecting ultimate rates for Alternatives I and III, an examination of the recent total fertility rates in other nations is useful. A comparison of the total fertility rates in 1976 in the U.S., Canada, and fifteen countries in Western Europe revealed a range of 3.5 in Ireland to 1.5 in West Germany. The U.S. ranked eighth with 1.74. Four of these countries had a total fertility rate over 2.3 and two countries had a total fertility rate under 1.6. For reasons already cited, we do not believe that the total fertility rate for the U.S. will return to a level as high as 3.5 for any sustained period, and have selected 2.3 as the optimistic (Alternative I) assumption. It is plausible that the total fertility rate could be as low as 1.6 children per woman over a long period of time. Thus, we have selected 1.6 as the pessimistic (Alternative III) assumption. The ultimate total fertility rate for each alternative was assumed to be first reached in calendar year 2010. The ultimate values selected for the 1986 Trustees Report compare closely with those used by the Bureau of the Census in its latest series of population projections, published in *Current Population Reports*, Series P-25, No. 952. The Bureau of the Census used a range of 1.6 to 2.3, with an intermediate assumption of 1.9.

Total fertility rates for 1984 and 1985 were estimated from provisional data published by the National Center for Health Statistics in *Monthly Vital Statistics Reports*, Volumes 33 and 34. Between 1985 and 2010, the age-specific birth rates were projected separately for each cohort of women such that the completed cohort fertility rate would gradually approach the assumed ultimate total fertility rate. Table 4 gives the assumed age-specific birth rates by alternative for selected calendar years.

Table 4.—Central Birth Rates by Age, Calendar Year, and Alternative [Per thousand women]

Table with columns for Alternative and age, and Calendar year (1985-2010). It contains data for Alternative I, Alternative II, and Alternative III, showing birth rates for ages 14-49.

Table 4.—Central Birth Rates by Age, Calendar Year, and Alternative (Cont.) [Per thousand women]

Continuation of Table 4 with columns for Alternative and age, and Calendar year (1985-2010). It contains data for Alternative III, showing birth rates for ages 14-49.

Note: The central birth rate is the ratio of the number of births during the year to mothers at the tabulated age to the midyear female population at that age.

B. Mortality

Death rates are defined as the number of deaths during the year divided by the mid-year population. These rates were calculated by sex on an age-specific basis for each year 1900 through 1982. To summarize the mortality experience of a single year and to control for changes in the age distribution of the population from year to year, age-adjusted death rates (as shown in Table 5) were calculated as a weighted average of the age-specific death rates. The weights used were the numbers of people in the corresponding age groups of the 1970 U.S. census population. Thus, if the age-adjusted death rate for a particular year and sex is multiplied by the 1970 U.S. census population, the result gives the number of deaths that would have occurred in 1970 for the U.S. census population if the age-specific death rates for that particular year and sex had been experienced. The age-adjusted death rate is, therefore, equivalent to the crude death rate that would have been experienced in the 1970 U.S. census population.

Table 5.—Age-Adjusted Central Death Rates by Sex, Calendar Year, and Alternative
[Per hundred thousand]

Calendar year	Male	Female
1900.....	2,282.3	2,073.0
1901.....	2,238.8	2,000.3
1902.....	2,111.7	1,853.8
1903.....	2,155.3	1,912.8
1904.....	2,274.0	2,005.2
1905.....	2,196.5	1,941.3
1906.....	2,198.5	1,909.4
1907.....	2,273.0	1,962.8
1908.....	2,079.7	1,826.7
1909.....	2,031.1	1,777.4
1910.....	2,112.6	1,846.6
1911.....	2,026.7	1,782.1
1912.....	2,001.0	1,738.5
1913.....	2,013.3	1,738.3
1914.....	1,953.8	1,696.7
1915.....	1,953.5	1,712.5
1916.....	2,028.2	1,763.7
1917.....	2,048.1	1,764.2
1918.....	2,335.3	2,023.5
1919.....	1,811.4	1,651.8
1920.....	1,854.0	1,723.0
1921.....	1,686.0	1,552.2
1922.....	1,763.7	1,599.3
1923.....	1,838.2	1,663.1
1924.....	1,771.4	1,564.6
1925.....	1,790.3	1,581.8
1926.....	1,855.9	1,638.8
1927.....	1,736.5	1,508.1
1928.....	1,849.9	1,605.3
1929.....	1,824.9	1,570.9
1930.....	1,724.2	1,463.9
1931.....	1,685.0	1,416.6
1932.....	1,663.3	1,415.9
1933.....	1,641.1	1,371.2
1934.....	1,688.1	1,389.9
1935.....	1,659.4	1,358.4
1936.....	1,746.8	1,421.6
1937.....	1,687.9	1,356.6
1938.....	1,573.2	1,279.2
1939.....	1,566.9	1,268.1
1940.....	1,584.0	1,254.1
1941.....	1,532.7	1,190.6
1942.....	1,486.0	1,142.3
1943.....	1,535.2	1,181.7
1944.....	1,473.4	1,122.3
1945.....	1,449.5	1,079.8
1946.....	1,390.5	1,050.9
1947.....	1,389.7	1,031.2
1948.....	1,371.4	1,001.7
1949.....	1,338.4	968.1
1950.....	1,325.8	945.3
1951.....	1,319.1	932.6
1952.....	1,299.9	912.5
1953.....	1,295.5	897.7
1954.....	1,233.1	848.3
1955.....	1,247.1	852.3
1956.....	1,252.9	846.8
1957.....	1,276.7	859.0
1958.....	1,265.2	847.2
1959.....	1,248.5	826.5
1960.....	1,267.9	827.6
1961.....	1,237.8	804.0
1962.....	1,261.2	814.8
1963.....	1,290.0	821.1
1964.....	1,257.0	794.6
1965.....	1,267.4	788.6
1966.....	1,276.2	787.4
1967.....	1,251.5	762.6
1968.....	1,286.9	767.4
1969.....	1,255.2	741.6
1970.....	1,232.1	723.1
1971.....	1,220.6	715.7
1972.....	1,223.1	708.1
1973.....	1,206.2	695.3
1974.....	1,156.5	667.1
1975.....	1,117.8	636.8
1976.....	1,103.5	629.7

Table 5.—Age-Adjusted Central Death Rates by Sex, Calendar Year, and Alternative (Cont.)
[Per hundred thousand]

Calendar year	Male		Female			
	Alternative I	Alternative II	Alternative I	Alternative II		
1977.....	1,077.6	610.2				
1978.....	1,068.8	607.1				
1979.....	1,037.3	586.1				
1980.....	1,048.1	598.3				
1981.....	1,018.2	582.3				
1982.....	986.1	566.5				
1983.....	991.2	570.9				
1984.....	985.8	571.4				
1985.....	970.9	561.5				
Calendar year	Alternative I		Alternative II		Alternative III	
	Male	Female	Male	Female	Male	Female
1986.....	965.1	557.4	956.0	551.5	946.9	545.7
1987.....	959.4	553.5	941.7	542.0	924.2	530.8
1988.....	953.8	549.6	927.8	532.9	902.6	516.8
1989.....	948.5	545.9	914.6	524.2	882.2	503.5
1990.....	943.2	542.3	901.8	515.8	862.7	491.0
1991.....	938.2	538.8	889.5	507.7	844.3	479.2
1992.....	933.3	535.4	877.8	500.1	827.0	468.1
1993.....	928.5	532.1	866.6	492.8	810.6	457.7
1994.....	924.0	528.9	855.9	485.9	795.3	448.1
1995.....	919.6	525.9	845.9	479.5	781.1	439.2
1996.....	915.3	523.0	836.7	473.5	768.1	431.1
1997.....	911.3	520.2	828.2	468.2	756.2	423.8
1998.....	907.4	517.7	820.6	463.4	745.6	417.2
1999.....	903.8	515.3	813.9	459.2	736.0	411.3
2000.....	900.4	513.0	808.0	455.5	727.3	405.9
2005.....	885.9	504.2	786.3	441.7	691.0	382.8
2010.....	873.9	497.1	768.9	430.5	659.1	362.3
2015.....	862.6	490.5	752.5	419.8	629.1	343.1
2020.....	851.6	484.1	736.6	409.6	600.7	325.0
2025.....	840.9	477.8	721.2	399.6	573.7	308.1
2030.....	830.4	471.7	706.2	390.0	548.0	292.1
2035.....	820.2	465.8	691.7	380.7	523.7	277.2
2040.....	810.3	460.0	677.7	371.7	500.6	263.1
2045.....	800.7	454.4	664.0	363.0	478.7	249.9
2050.....	791.3	449.0	650.8	354.5	457.8	237.4
2055.....	782.1	443.7	637.9	346.3	438.0	225.7
2060.....	773.1	438.5	625.4	338.4	419.2	214.6
2065.....	764.4	433.5	613.3	330.7	401.3	204.2
2070.....	755.9	428.6	601.5	323.2	384.3	194.4
2075.....	747.7	423.9	590.0	316.0	368.1	185.2
2080.....	739.6	419.3	578.9	309.0	352.7	176.5

Note: The age-adjusted central death rate is the weighted average of the age-specific central death rates for a particular sex and year. The weights are the numbers of people in the corresponding age groups of the 1970 U.S. census population.

An examination of the age-adjusted death rates since 1900 reveals four distinct periods of mortality reduction. During the period 1900 to 1936, annual mortality reduction averaged about 0.9 percent for males and 1.0 percent for females. Following this was a period of rapid reduction, 1936-1954, in which mortality decreased an average of 1.7 percent per year for males and 2.6 percent for females. The period 1954 to 1968 saw an actual increase for males of 0.1 percent per year and a much slower reduction of 0.8 percent per year for females. From 1968 through 1982 rapid reduction in mortality resumed averaging 1.9 percent for males and 2.2 percent for females, annually. Provisional statistics for 1983 and 1984 show a stabilization of the age-adjusted death rates.

Age-sex-adjusted death rates are often calculated when one is interested in summarizing death rates for both sexes combined. Age-sex-adjusted death rates (as shown in Table 6) were calculated as a weighted average of the age-sex-specific death rates, where each weight was the number of people in the corresponding

age and sex group of the 1970 U.S. census population.

Table 6. Age-Sex-Adjusted Central Death Rates by Calendar Year, and Alternative
[Per hundred thousand]

Calendar year	Age-sex adjusted death rate
1900.....	2,169.5
1901.....	2,110.7
1902.....	1,971.7
1903.....	2,024.3
1904.....	2,128.4
1905.....	2,058.9
1906.....	2,043.8
1907.....	2,107.7
1908.....	1,944.6
1909.....	1,894.9
1910.....	1,970.6
1911.....	1,896.0
1912.....	1,860.8
1913.....	1,866.5
1914.....	1,816.0
1915.....	1,824.1
1916.....	1,886.9
1917.....	1,896.1
1918.....	2,169.5
1919.....	1,725.5
1920.....	1,783.1
1921.....	1,614.0
1922.....	1,675.2
1923.....	1,744.3
1924.....	1,659.5
1925.....	1,677.2
1926.....	1,738.3
1927.....	1,612.1
1928.....	1,717.0
1929.....	1,686.8
1930.....	1,582.5
1931.....	1,538.3
1932.....	1,528.1
1933.....	1,493.4
1934.....	1,525.3
1935.....	1,495.0
1936.....	1,569.5
1937.....	1,507.0
1938.....	1,412.6
1939.....	1,403.5
1940.....	1,403.5
1941.....	1,345.0
1942.....	1,298.1
1943.....	1,341.6
1944.....	1,282.1
1945.....	1,248.1
1946.....	1,205.2
1947.....	1,193.1
1948.....	1,168.5
1949.....	1,135.1
1950.....	1,116.4
1951.....	1,106.9
1952.....	1,087.6
1953.....	1,077.2
1954.....	1,021.9
1955.....	1,030.3
1956.....	1,029.5
1957.....	1,046.9
1958.....	1,034.9
1959.....	1,016.1
1960.....	1,024.8
1961.....	998.0
1962.....	1,014.0
1963.....	1,029.8
1964.....	1,000.8
1965.....	1,001.6
1966.....	1,005.0
1967.....	980.0
1968.....	997.7
1969.....	969.4
1970.....	948.6
1971.....	938.9
1972.....	935.7
1973.....	920.8
1974.....	883.1

Table 6. Age-Sex-Adjusted Central Death Rates by Calendar Year, and Alternative (Cont.)
[Per hundred thousand]

Calendar year	Age-sex adjusted death rate		
	Alternative I	Alternative II	Alternative III
1975.....		848.8	
1976.....		838.0	
1977.....		815.5	
1978.....		809.7	
1979.....		784.2	
1980.....		795.4	
1981.....		773.1	
1982.....		750.0	
1983.....		754.2	
1984.....		752.0	
1985.....		739.7	
1986.....	734.7	727.4	720.1
1987.....	729.6	715.4	701.4
1988.....	724.7	703.9	683.7
1989.....	719.9	692.8	666.8
1990.....	715.2	682.1	650.9
1991.....	710.7	671.8	635.9
1992.....	706.3	662.1	621.7
1993.....	702.1	652.7	608.3
1994.....	697.9	643.9	595.9
1995.....	694.0	635.5	584.4
1996.....	690.2	627.9	573.8
1997.....	686.6	620.8	564.3
1998.....	683.1	614.6	555.7
1999.....	680.0	609.1	548.0
2000.....	677.0	604.2	541.0
2005.....	665.2	586.6	512.0
2010.....	656.0	572.7	486.6
2015.....	647.3	559.6	462.8
2020.....	638.9	547.0	440.4
2025.....	630.7	534.7	419.3
2030.....	622.7	522.8	399.3
2035.....	615.0	511.3	380.4
2040.....	607.4	500.2	362.5
2045.....	600.0	489.4	345.6
2050.....	592.9	478.9	329.7
2055.....	585.9	468.7	314.6
2060.....	579.1	458.9	300.2
2065.....	572.5	449.3	286.7
2070.....	566.0	440.0	273.9
2075.....	559.8	431.0	261.7
2080.....	553.6	422.2	250.2

Note: The age-sex-adjusted central death rate is the weighted average of the age-sex-specific central death rates for a particular year. The weights are the numbers of people in the corresponding age and sex groups of the 1970 U.S. census population.

Past reduction in mortality has varied greatly by cause of death. Because it is expected that future reduction in mortality rates will also vary greatly by cause of death, death rates for the years 1968 through 1982 were calculated and analyzed by age group and sex for ten groups of causes of death (based on the Ninth Revision of the International List of Diseases and Causes of Death code numbers). These groups of causes of death are as follows:

- I. Diseases of the Heart (390-398, 402, 404-429)
- II. Malignant Neoplasms (140-208)
- III. Vascular Diseases (400-401, 403, 430-459, 582-583, 587)
- IV. Accidents, Suicide, and Homicide (E800-E989)
- V. Diseases of the Respiratory System (460-519)
- VI. Congenital Malformations and Diseases of Early Infancy (740-779)
- VII. Diseases of the Digestive System (520-570, 572-579)
- VIII. Diabetes Mellitus (250)
- IX. Cirrhosis of the Liver (571)
- X. All Other Causes

For the years 1968-1982, death rates for ages under 65 by age group, sex, and cause of death were calculated

using the numbers of deaths as tabulated in *Vital Statistics* of the United States and using the latest census estimates of the resident population as published in the P-25 Series of *Current Population Reports*. For the years 1968 through 1978, an adjustment was made to the distribution of the numbers of deaths among the ten causes. This adjustment was needed in order to reflect the revision in the cause of death coding that occurred in 1979, thereby making the data for the years 1968 through 1978 more comparable with the coding used for the years 1979 and later. The adjustments were based on comparability ratios published by the National Center for Health Statistics in *Monthly Vital Statistics Report*, Volume 28, Number 11. For the ages 65 and over, records of the Medicare program were used to determine rates by age and sex. The numbers of deaths by cause in *Vital Statistics of the United States* were used to distribute the age-sex specific death rates for ages over 65 into age-sex-cause specific death rates. A detailed analysis of Medicare mortality statistics and a comparison to the statistics provided by the National Center for Health Statistics is contained in "Recent Trends in

the Mortality of the Aged" by John C. Wilkin in the *Transactions of the Society of Actuaries*, Volume XXXIII.

Average annual reductions in mortality were determined for the period 1968-1982 by age group, sex, and cause of death. The values, shown in Table 7, were calculated as the complement of the exponential of the slope of the least-squares line through the logarithms of the death rates. The sharpest reductions were in the category of Congenital Malformations and Diseases of Early Infancy and in the category of Vascular Disease, averaging 4.75 to 5.25 percent per year. Diabetes Mellitus averaged about 3 percent reduction per year. Averaging 2 to 2.5 percent average reduction per year were Heart Diseases, Digestive Disease, and Violence. At about 1.5 to 2 percent average reduction per year were Respiratory Disease and Cirrhosis of the Liver, while the amount of change for the residual group of other Causes was negligible. Malignant Neoplasms was the only cause from the above group for which mortality increased during this period, increasing at about .5 percent per year.

Table 7.—Average Annual Percentage Reductions in Central Death Rates During 1968-82 by Age Group, Sex, and Cause of Death

Sex and age group	Cause of death										
	Total	Heart disease	Cancer	Vascular disease	Violence	Respiratory disease	Infancy	Digestive disease	Diabetes mellitus	Cirrhosis (liver)	Other
Male:											
0.....	4.92	-4.75	2.67	.47	6.06	13.73	5.74	6.03	6.69	1.20	-4.84
1-4.....	2.88	-2.81	4.16	6.92	1.97	9.48	1.78	1.64	8.03	5.46	2.21
5-9.....	3.38	.05	3.39	6.80	2.94	7.77	4.71	5.14	7.58	8.44	3.07
10-14.....	2.86	.61	2.67	8.58	2.56	6.44	2.90	4.43	7.02	4.77	2.75
15-19.....	1.59	.86	3.05	8.43	1.02	7.45	3.26	8.18	7.33	10.17	3.33
20-24.....	1.46	1.07	3.10	7.56	.87	7.06	3.03	7.45	5.44	3.19	3.39
25-29.....	.83	1.60	2.44	6.51	.18	5.79	3.33	6.29	5.05	.68	.33
30-34.....	1.72	3.33	2.27	6.68	.78	5.69	3.10	5.15	4.29	2.35	.98
35-39.....	2.60	3.81	2.03	6.62	1.39	6.42	3.18	4.50	4.00	2.69	2.04
40-44.....	2.85	3.61	1.32	6.09	1.83	5.97	3.76	4.19	3.01	3.03	2.19
45-49.....	2.55	3.24	.28	5.54	2.07	5.27	4.56	3.74	2.76	2.61	1.85
50-54.....	2.24	3.03	-.34	5.42	2.34	4.45	4.79	3.29	2.67	1.96	1.30
55-59.....	2.40	3.05	-.08	5.65	3.16	3.77	3.51	3.69	2.59	2.29	1.56
60-64.....	2.24	2.90	-.29	5.49	3.37	3.02	1.98	3.58	2.77	1.87	1.24
65-69.....	1.64	2.31	-.89	4.93	2.98	1.44	.68	3.07	2.73	.51	.44
70-74.....	1.48	2.11	-1.10	4.62	2.67	.70	.08	2.56	2.69	-.39	-.25
75-79.....	1.37	1.93	-1.22	4.30	2.30	-.09	.46	2.36	2.56	-.07	-.79
80-84.....	1.42	1.89	-1.33	4.38	2.77	-.92	-.84	1.66	2.54	-.02	-1.20
85-89.....	1.48	1.82	-1.60	4.40	2.91	-1.15	3.43	.55	2.47	.58	-1.07
90-94.....	1.50	1.64	-1.91	4.31	3.20	-.61	-1.63	-.29	.77	1.52	-1.00
Total.....	1.86	2.29	-.68	4.70	1.85	1.41	5.42	2.65	2.65	1.70	.09
Female:											
0.....	4.56	-3.78	4.18	.83	6.14	13.90	5.10	6.18	9.77	2.74	-4.49
1-4.....	3.22	-3.01	4.37	6.01	2.22	9.65	2.37	.56	4.68	11.09	3.00
5-9.....	3.39	-.05	4.01	6.07	2.67	7.74	4.69	3.56	6.82	8.94	2.75
10-14.....	2.78	.42	3.15	7.84	1.68	6.77	1.95	6.88	7.70	13.80	2.96
15-19.....	1.84	2.00	2.40	7.88	.46	6.59	4.04	7.34	6.51	10.96	3.84
20-24.....	1.90	1.48	2.56	7.92	.18	6.99	3.50	8.08	7.04	5.20	3.53
25-29.....	2.40	2.65	2.14	7.73	.53	6.89	3.35	6.99	5.46	3.05	3.34
30-34.....	3.48	4.45	2.03	8.43	1.68	7.35	3.51	6.87	4.82	5.22	4.00
35-39.....	3.80	4.59	2.19	7.73	2.39	6.84	1.86	6.04	3.91	5.32	4.50
40-44.....	3.32	3.63	1.77	6.59	2.55	6.28	4.00	4.68	3.70	5.03	3.57
45-49.....	2.65	2.91	1.21	5.69	2.56	4.70	4.20	3.75	3.61	4.06	2.69
50-54.....	2.05	2.84	.30	5.33	2.80	3.06	3.22	3.08	3.41	2.90	2.13
55-59.....	1.84	2.92	-.12	5.26	2.93	1.44	3.62	3.07	3.77	2.02	1.56
60-64.....	1.45	2.62	-.88	5.07	3.33	-.50	2.83	2.47	3.71	.75	.46
65-69.....	1.26	2.38	-1.43	4.86	3.02	-1.71	1.10	1.85	3.65	-1.28	-.42
70-74.....	1.85	2.72	-.91	5.00	3.19	-1.37	-.18	1.66	4.13	-1.46	-.93
75-79.....	2.27	2.74	-.38	4.98	4.02	-.23	-1.25	1.51	4.25	-1.12	-1.30
80-84.....	2.35	2.56	-.28	4.66	4.74	.64	-.49	.87	3.44	-.34	-1.60
85-89.....	2.21	2.21	-.25	4.33	5.32	.96	-.42	-.14	2.15	.29	-1.81
90-94.....	1.84	1.66	-.74	3.86	5.74	1.16	-2.81	-1.07	.00	1.63	-1.81
Total.....	2.16	2.48	-.24	4.77	2.57	1.63	4.83	1.85	3.60	2.05	.05

Note: The average annual percentage reduction is the complement of the exponential of the least-squares line through the logarithms of the central death rates.

Future improvements in mortality will depend upon such factors as the development and application of new diagnostic, surgical, and life-sustaining techniques, the presence of environmental pollutants, improvements in exercise and nutrition, the incidence of violence, the isolation and treatment of causes of disease, the emergence of new forms of disease, improvements in prenatal care, the prevalence of cigarette smoking, the misuse of drugs (including alcohol), the extent to which people assume responsibility for their own health, and changes in our conception of the value of life. After considering how these and other factors might affect mortality, we postulated three alternative sets of ultimate annual percentage reductions in death rates by sex and cause of death for the years 2010 and later. These ultimate annual percentage reductions are as follows:

Assumed Ultimate Annual Percentage Reductions in Death Rates by Alternative, Sex, and Causes

Alternative and sex	Cause									
	I	II	III	IV	V	VI	VII	VIII	IX	X
Alternative I:										
Male	0.5	0.0	0.8	0.2	0.1	0.8	0.5	0.2	0.1	0.0
Female.....	0.5	0.0	0.8	0.2	0.1	0.8	0.5	0.2	0.1	0.0
Alternative II:										
Male	0.7	0.2	1.1	0.3	0.2	1.5	0.7	0.4	0.2	0.2
Female.....	0.7	0.3	1.2	0.4	0.3	1.5	0.7	0.5	0.2	0.2
Alternative III:										
Male	1.0	1.2	1.5	0.6	0.4	2.0	1.0	0.8	0.4	0.4
Female.....	1.0	1.5	1.7	0.8	0.5	2.0	1.0	1.0	0.4	0.4

Rapid reductions in infant mortality are expected to continue in the future. However, for the total under 65 age group, future reductions are projected to be relatively small compared with past reductions because very little additional improvement in infectious diseases (such as poliomyelitis and influenza) is possible and because only a small reduction in mortality from violent causes (accidents, suicide, and homicide) is expected. Reductions for the aged are expected to continue at a relatively rapid pace, as further advances are made against degenerative diseases (such as heart and vascular disease). The gap between male and female mortality is

expected to stabilize as women become increasingly subject to many of the same environmental hazards and social pressures as men. After adjustment for changes in the age and sex distribution of the population, Alternative II mortality is projected to decrease at an average rate of about 0.6 percent per year during the period 1984-2060. This is about half the average annual reduction observed during 1900-1984. During the period 1984-2060, Alternative I mortality is projected to decrease at a rate about one-fourth the average rate observed during 1900-1984, while for Alternative III mortality, the average annual reductions during these two periods are almost the same.

Death rates for ages under 65 by age group, sex, and cause of death for 1983 were estimated from provisional data published by the National Center for Health Statistics in *Monthly Vital Statistics Reports*, Volume 32. For ages over 65, 1983 Medicare data was used. Death rates for 1984 were assumed to change from 1983 by amounts estimated from data published in *Monthly Vital Statistics Reports*, Volume 33. Death rates were projected by age group, sex, and cause of death from their estimated 1984 levels by applying annual percentage reductions. For all three alternatives, the annual reductions that were applied to obtain the 1985 levels were the average annual reductions observed for the 1968-1982¹ period. The annual reductions that were applied to obtain the 1986 levels were 50 percent, 100 percent, and 150 percent of the average annual reductions during 1968-1982 for Alternatives I, II, and III, respectively. The annual reductions that were assumed to apply during 1986-2009 were calculated by a logarithmic formula designed to gradually transform the reductions applied to obtain the 1986 levels into the postulated ultimate annual reductions. The ultimate reductions were assumed to apply during 2010-2080. Table 8 gives the resulting death rates by age group, sex, and alternative for selected years.

¹The average annual reductions for the "All Other" category for age 0 were calculated using the period 1974-1982, rather than 1968-1982. This was done because of a distinct shift in the earlier trend that occurred in 1974, that made the earlier data inappropriate for this category.

Table 8.—Central Death Rates by Age Group, Sex, Calendar Year, and Alternative
[Per hundred thousand]

Alternative, sex, and age group	Calendar year										
	1985	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080
Alternative I:											
Male:											
0.....	1,126.4	1,025.7	892.8	843.7	805.3	769.8	737.0	706.5	678.3	652.2	628.1
1-4.....	55.3	52.4	47.9	46.1	45.0	43.9	42.9	41.9	41.0	40.1	39.2
5-9.....	28.6	26.4	23.0	22.1	21.7	21.3	20.9	20.6	20.2	19.9	19.6
10-14.....	30.7	28.6	25.3	24.4	23.9	23.5	23.1	22.7	22.3	21.9	21.5
15-19.....	116.5	112.4	105.4	102.2	100.2	98.3	96.4	94.6	92.8	91.1	89.4
20-24.....	164.9	159.8	150.8	146.4	143.6	140.8	138.1	135.5	133.0	130.5	128.0
25-29.....	174.9	172.2	167.8	164.8	161.7	158.7	155.7	152.9	150.1	147.3	144.7
30-34.....	180.7	174.1	163.0	158.1	155.1	152.2	149.4	146.7	144.1	141.5	139.0
35-39.....	219.2	206.6	186.0	179.1	175.4	171.9	168.5	165.2	162.1	159.0	156.1
40-44.....	316.2	295.8	262.9	252.2	246.5	241.1	235.8	230.8	226.0	221.4	217.0
45-49.....	518.2	488.9	441.1	424.0	414.1	404.7	395.7	387.2	379.0	371.2	363.8
50-54.....	843.5	805.8	745.6	722.5	706.5	691.2	676.7	662.8	649.6	637.0	625.1
55-59.....	1,332.6	1,265.4	1,157.4	1,118.2	1,092.7	1,068.4	1,045.3	1,023.3	1,002.4	982.5	963.6
60-64.....	2,029.2	1,939.9	1,797.2	1,741.1	1,701.1	1,663.0	1,626.8	1,592.5	1,559.8	1,528.8	1,499.2
65-69.....	3,234.2	3,154.3	3,029.3	2,948.5	2,879.7	2,814.3	2,752.3	2,693.4	2,637.4	2,584.3	2,533.9
70-74.....	4,857.7	4,765.8	4,625.3	4,505.5	4,395.2	4,290.6	4,191.4	4,097.3	4,008.0	3,923.3	3,842.9
75-79.....	7,257.0	7,147.9	6,985.8	6,806.7	6,630.2	6,462.9	6,304.4	6,154.2	6,011.8	5,876.7	5,748.6
80-84.....	10,885.2	10,752.6	10,574.0	10,296.0	10,012.4	9,743.9	9,489.7	9,248.8	9,020.6	8,804.2	8,599.1
85-89.....	15,738.7	15,543.6	15,282.9	14,851.9	14,414.4	14,000.4	13,608.6	13,237.6	12,886.1	12,553.2	12,237.7
90-94.....	22,420.7	22,069.9	21,550.3	20,868.1	20,199.6	19,567.2	18,969.0	18,402.9	17,867.0	17,359.6	16,878.9
Female:											
0.....	936.2	855.2	742.3	698.1	664.2	632.7	603.6	576.7	551.8	528.8	507.4
1-4.....	42.0	39.4	35.6	34.1	33.2	32.4	31.6	30.9	30.1	29.5	28.8
5-9.....	19.7	18.2	15.9	15.3	15.0	14.7	14.4	14.2	13.9	13.7	13.4
10-14.....	18.1	17.0	15.3	14.7	14.4	14.2	13.9	13.6	13.4	13.1	12.9
15-19.....	45.9	44.2	41.6	40.5	39.7	39.0	38.3	37.7	37.0	36.3	35.7
20-24.....	56.2	54.2	51.3	50.2	49.3	48.4	47.5	46.6	45.8	45.0	44.2
25-29.....	59.9	57.1	52.7	51.2	50.2	49.4	48.5	47.7	46.9	46.2	45.4
30-34.....	71.9	66.6	58.6	56.6	55.7	54.8	54.0	53.2	52.4	51.7	51.0
35-39.....	108.3	99.4	86.0	82.8	81.5	80.3	79.1	77.9	76.8	75.8	74.8
40-44.....	176.2	163.2	143.0	137.9	135.7	133.6	131.6	129.7	127.9	126.2	124.6
45-49.....	289.1	272.1	244.5	236.2	232.3	228.6	225.2	221.9	218.7	215.7	212.9
50-54.....	459.7	439.6	406.7	394.8	388.4	382.4	376.7	371.3	366.1	361.2	356.6
55-59.....	717.1	691.7	650.8	635.6	625.1	615.1	605.7	596.7	588.1	580.0	572.3
60-64.....	1,116.6	1,100.5	1,079.8	1,061.9	1,042.9	1,025.0	1,008.0	991.8	976.5	961.9	948.0
65-69.....	1,692.9	1,694.1	1,710.1	1,685.2	1,652.1	1,620.6	1,590.8	1,562.5	1,535.6	1,510.1	1,485.9
70-74.....	2,596.9	2,543.8	2,473.1	2,415.7	2,358.1	2,303.5	2,251.9	2,202.9	2,156.5	2,112.5	2,070.8
75-79.....	4,002.8	3,849.9	3,614.2	3,494.6	3,394.9	3,300.5	3,211.3	3,126.9	3,047.1	2,971.5	2,899.9
80-84.....	6,722.0	6,433.9	5,975.0	5,735.2	5,546.1	5,367.5	5,198.8	5,039.4	4,888.8	4,746.4	4,611.7
85-89.....	10,700.5	10,273.8	9,578.6	9,165.6	8,834.9	8,522.9	8,228.3	7,950.2	7,687.5	7,439.3	7,204.8
90-94.....	17,333.7	16,813.8	15,948.7	15,262.3	14,675.0	14,120.8	13,597.7	13,103.9	12,637.5	12,197.0	11,780.8
Alternative II:											
Male:											
0.....	1,126.4	920.2	708.4	645.2	595.2	551.1	512.3	478.0	447.6	420.6	396.5
1-4.....	55.3	49.3	41.2	38.6	36.9	35.3	33.8	32.5	31.2	30.0	28.9
5-9.....	28.6	24.3	18.8	17.7	17.1	16.6	16.0	15.5	15.0	14.6	14.1
10-14.....	30.7	26.7	21.3	20.1	19.4	18.8	18.2	17.6	17.0	16.5	16.0
15-19.....	116.5	108.5	96.2	91.6	88.8	86.1	83.5	81.0	78.6	76.2	73.9
20-24.....	164.9	154.8	139.1	132.7	128.7	124.8	121.0	117.4	113.8	110.4	107.1
25-29.....	174.9	169.7	162.1	157.4	152.6	148.0	143.5	139.2	135.0	131.0	127.1
30-34.....	180.7	167.9	148.7	141.7	137.3	133.1	129.0	125.1	121.3	117.6	114.1
35-39.....	219.2	194.7	160.7	151.8	146.6	141.7	137.0	132.6	128.3	124.2	120.2
40-44.....	316.2	276.8	223.0	209.5	201.7	194.2	187.2	180.5	174.1	168.1	162.3
45-49.....	518.2	461.4	383.7	361.6	347.6	334.4	321.9	310.0	298.7	288.0	277.8
50-54.....	843.5	765.5	660.1	627.9	603.9	581.2	559.7	539.3	520.0	501.6	484.2
55-59.....	1,332.6	1,200.9	1,024.3	972.6	934.6	898.7	864.8	832.7	802.2	773.4	746.0
60-64.....	2,029.2	1,845.0	1,596.8	1,518.4	1,458.5	1,401.9	1,348.5	1,297.9	1,250.0	1,204.7	1,161.7
65-69.....	3,234.2	3,024.1	2,732.2	2,606.4	2,501.7	2,403.0	2,309.8	2,221.8	2,138.7	2,060.0	1,985.5
70-74.....	4,857.7	4,580.0	4,193.7	4,003.7	3,838.6	3,683.1	3,536.6	3,398.5	3,268.1	3,144.9	3,028.5
75-79.....	7,257.0	6,881.7	6,360.8	6,075.9	5,816.9	5,573.6	5,344.7	5,129.3	4,926.3	4,735.0	4,554.4
80-84.....	10,885.2	10,319.0	9,555.2	9,116.1	8,713.3	8,335.6	7,980.9	7,647.7	7,334.3	7,039.3	6,761.4
85-89.....	15,738.7	14,895.8	13,764.9	13,102.7	12,498.2	11,932.1	11,401.8	10,904.3	10,437.3	9,998.6	9,586.1
90-94.....	22,420.7	21,184.7	19,474.5	18,463.4	17,560.7	16,717.2	15,928.6	15,190.5	14,499.3	13,851.4	13,243.6
Female:											
0.....	936.2	772.6	592.0	534.0	488.8	449.3	414.6	384.1	357.2	333.5	312.4
1-4.....	42.0	36.7	29.9	27.7	26.3	24.9	23.7	22.6	21.5	20.5	19.6
5-9.....	19.7	16.8	13.1	12.2	11.7	11.2	10.7	10.3	9.9	9.5	9.1
10-14.....	18.1	16.0	13.1	12.3	11.7	11.2	10.8	10.3	9.9	9.5	9.1
15-19.....	45.9	42.6	38.2	36.4	34.9	33.6	32.3	31.0	29.8	28.7	27.6
20-24.....	56.2	52.5	47.7	45.8	44.0	42.2	40.6	39.0	37.5	36.1	34.7
25-29.....	59.9	54.5	47.2	44.7	43.0	41.3	39.7	38.2	36.8	35.4	34.1
30-34.....	71.9	61.8	49.0	46.0	44.2	42.6	41.0	39.5	38.0	36.6	35.3
35-39.....	108.3	91.2	70.0	65.5	62.9	60.5	58.2	56.0	53.9	51.9	50.0
40-44.....	176.2	151.2	118.6	111.0	106.7	102.5	98.6	94.8	91.3	87.9	84.6

Table 8.—Central Death Rates by Age Group, Sex, Calendar Year, and Alternative (Cont.)
[Per hundred thousand]

Alternative, sex, and age group	Calendar year										
	1985	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080
Alternative II: (Cont.)											
Female: (Cont.)											
45-49.....	289.1	256.1	210.2	197.2	189.2	181.7	174.6	167.9	161.4	155.3	149.5
50-54.....	459.7	420.8	366.2	347.3	333.4	320.3	307.9	296.0	284.8	274.1	263.9
55-59.....	717.1	665.6	594.9	568.1	545.4	523.8	503.4	483.9	465.4	447.8	431.1
60-64.....	1,116.6	1,059.2	985.8	945.7	906.7	869.8	834.9	801.7	770.3	740.4	711.9
65-69.....	1,692.9	1,625.6	1,547.9	1,487.4	1,423.8	1,363.7	1,306.9	1,253.1	1,202.2	1,154.0	1,108.2
70-74.....	2,596.9	2,425.7	2,211.8	2,108.9	2,012.2	1,921.3	1,835.7	1,755.0	1,679.0	1,607.2	1,539.4
75-79.....	4,002.8	3,656.5	3,203.8	3,026.6	2,876.2	2,735.4	2,603.5	2,479.9	2,363.8	2,254.8	2,152.4
80-84.....	6,722.0	6,091.9	5,239.3	4,906.3	4,641.5	4,394.9	4,165.0	3,950.5	3,750.1	3,562.8	3,387.5
85-89.....	10,700.5	9,750.8	8,422.8	7,858.2	7,409.7	6,993.1	6,605.9	6,245.6	5,910.2	5,597.5	5,305.8
90-94.....	17,333.7	16,057.8	14,190.2	13,221.3	12,431.9	11,700.2	11,021.4	10,391.1	9,805.3	9,260.5	8,753.4
Alternative III:											
Male:											
0.....	1,126.4	827.8	583.7	520.3	469.7	426.3	388.9	356.6	328.5	303.9	282.3
1-4.....	55.3	46.4	35.6	32.1	29.7	27.5	25.5	23.7	22.1	20.6	19.2
5-9.....	28.6	22.4	15.5	14.0	13.0	12.1	11.2	10.5	9.8	9.1	8.5
10-14.....	30.7	24.9	17.9	16.2	15.1	14.1	13.1	12.3	11.5	10.7	10.1
15-19.....	116.5	104.8	87.9	81.0	76.0	71.4	67.1	63.0	59.2	55.7	52.4
20-24.....	164.9	150.1	128.4	118.6	111.4	104.7	98.4	92.5	86.9	81.8	76.9
25-29.....	174.9	167.4	157.0	148.3	139.4	131.0	123.2	115.9	109.1	102.7	96.6
30-34.....	180.7	161.9	136.1	125.4	117.6	110.3	103.5	97.2	91.3	85.8	80.7
35-39.....	219.2	183.7	139.4	126.5	117.8	109.8	102.4	95.6	89.3	83.5	78.1
40-44.....	316.2	259.0	189.9	170.4	157.1	145.0	133.9	123.9	114.6	106.2	98.5
45-49.....	518.2	435.8	336.4	302.6	276.2	252.3	230.7	211.1	193.4	177.4	162.9
50-54.....	843.5	727.8	587.2	528.8	480.1	436.3	396.9	361.4	329.4	300.5	274.5
55-59.....	1,332.6	1,140.8	912.8	819.7	741.6	671.5	608.6	552.1	501.3	455.6	414.5
60-64.....	2,029.2	1,756.2	1,425.7	1,280.7	1,157.7	1,047.4	948.5	859.7	780.0	708.3	643.9
65-69.....	3,234.2	2,900.6	2,464.3	2,221.2	2,011.4	1,823.1	1,654.1	1,502.3	1,365.8	1,243.0	1,132.5
70-74.....	4,857.7	4,403.5	3,801.5	3,440.4	3,123.6	2,838.9	2,583.1	2,352.9	2,145.6	1,958.9	1,790.6
75-79.....	7,257.0	6,628.5	5,793.5	5,267.4	4,795.1	4,370.3	3,987.9	3,643.3	3,332.6	3,052.1	2,798.8
80-84.....	10,885.2	9,906.9	8,640.9	7,871.5	7,183.6	6,563.9	6,005.2	5,501.0	5,045.5	4,633.7	4,261.0
85-89.....	15,738.7	14,281.0	12,414.3	11,317.2	10,342.9	9,464.3	8,671.2	7,954.7	7,306.7	6,720.2	6,188.7
90-94.....	22,420.7	20,345.0	17,641.6	16,073.6	14,701.3	13,462.8	12,344.0	11,332.4	10,416.7	9,587.2	8,834.8
Female:											
0.....	936.2	699.3	488.0	429.3	383.6	344.8	311.7	283.3	258.9	237.7	219.3
1-4.....	42.0	34.2	25.2	22.4	20.4	18.6	17.0	15.6	14.3	13.2	12.2
5-9.....	19.7	15.5	10.8	9.6	8.8	8.1	7.4	6.8	6.3	5.8	5.4
10-14.....	18.1	15.0	11.3	10.1	9.2	8.4	7.7	7.1	6.5	6.0	5.5
15-19.....	45.9	41.2	35.4	32.5	29.9	27.5	25.3	23.4	21.5	19.9	18.3
20-24.....	56.2	50.8	44.7	41.3	38.0	35.0	32.2	29.7	27.4	25.3	23.3
25-29.....	59.9	52.0	42.6	38.7	35.6	32.7	30.1	27.7	25.5	23.5	21.7
30-34.....	71.9	57.3	41.1	36.3	33.0	30.1	27.4	25.0	22.9	21.0	19.2
35-39.....	108.3	83.7	57.0	49.7	44.7	40.3	36.4	32.9	29.8	27.1	24.6
40-44.....	176.2	140.0	98.3	85.4	76.4	68.4	61.4	55.2	49.7	44.9	40.6
45-49.....	289.1	241.1	180.8	157.3	139.9	124.6	111.2	99.4	89.1	79.9	71.9
50-54.....	459.7	403.1	330.9	292.0	258.3	228.9	203.2	180.8	161.1	143.8	128.6
55-59.....	717.1	641.1	543.8	481.5	426.4	378.2	336.1	299.2	266.9	238.6	213.6
60-64.....	1,116.6	1,020.2	897.3	800.4	712.1	634.7	566.8	507.1	454.7	408.5	367.7
65-69.....	1,692.9	1,560.6	1,395.2	1,252.1	1,118.6	1,001.2	897.9	806.9	726.6	655.6	592.7
70-74.....	2,596.9	2,315.0	1,980.8	1,777.5	1,594.3	1,432.7	1,290.0	1,163.8	1,052.0	952.8	864.7
75-79.....	4,002.8	3,476.2	2,857.2	2,559.6	2,302.5	2,075.1	1,873.7	1,695.0	1,536.3	1,395.1	1,269.2
80-84.....	6,722.0	5,772.0	4,623.9	4,126.6	3,719.0	3,357.6	3,036.7	2,751.3	2,497.2	2,270.5	2,068.1
85-89.....	10,700.5	9,259.3	7,450.3	6,655.0	6,010.2	5,436.9	4,926.6	4,471.5	4,065.3	3,701.9	3,376.6
90-94.....	17,333.7	15,341.2	12,674.9	11,337.2	10,250.3	9,282.0	8,418.1	7,646.3	6,955.8	6,337.2	5,782.2

Note: The central death rate is the ratio of the number of deaths during the year to persons at the tabulated age to the midyear population at that age.

Tables 9 and 10 give the resulting life expectancies for males and females at birth and at age 65, respectively, for historical years and by alternative for selected future years. Life expectancy for any year is the number of years of life remaining for a person who is assumed to experience the death rates by age observed in or

assumed for the selected year. Thus, the life expectancies at birth shown in Table 9 are summary statistics of the overall mortality for the applicable calendar year. Similarly, the life expectancies at age 65 in Table 10 summarize the mortality at ages 65 and older for the applicable calendar year.

Table 9.—Life Expectancy at Birth by Sex, Calendar Year, and Alternative
[In years]

Calendar year	Male	Female
1900.....	46.4	49.0
1901.....	47.9	50.9
1902.....	49.0	52.1
1903.....	49.2	52.1
1904.....	48.1	51.1
1905.....	48.7	51.9
1906.....	48.3	52.0
1907.....	48.3	52.2
1908.....	50.2	53.6
1909.....	51.1	54.5
1910.....	50.1	53.6
1911.....	51.8	55.0
1912.....	52.3	55.9
1913.....	51.7	55.4
1914.....	52.9	56.3
1915.....	53.5	56.8
1916.....	52.4	56.0
1917.....	52.2	55.9
1918.....	45.3	49.1
1919.....	54.2	56.5
1920.....	54.5	56.3
1921.....	57.3	59.3
1922.....	57.0	59.3
1923.....	56.3	58.7
1924.....	57.2	59.9
1925.....	57.2	59.9
1926.....	56.6	59.3
1927.....	57.9	60.9
1928.....	56.8	59.8
1929.....	57.0	60.2
1930.....	58.0	61.3
1931.....	58.6	62.0
1932.....	59.4	62.6
1933.....	59.6	63.0
1934.....	58.8	62.7
1935.....	59.4	63.3
1936.....	58.7	62.9
1937.....	59.4	63.6
1938.....	60.8	64.7
1939.....	61.4	65.4
1940.....	61.4	65.7
1941.....	61.9	66.5
1942.....	62.6	67.4
1943.....	62.2	67.1
1944.....	62.7	67.8
1945.....	62.9	68.4
1946.....	64.3	69.2
1947.....	64.6	69.7
1948.....	64.8	70.2
1949.....	65.3	70.7
1950.....	65.6	71.1
1951.....	65.7	71.4
1952.....	65.8	71.6
1953.....	66.0	72.0
1954.....	66.7	72.7
1955.....	66.7	72.8
1956.....	66.7	72.9
1957.....	66.5	72.7
1958.....	66.6	72.9
1959.....	66.8	73.2
1960.....	66.7	73.2
1961.....	67.1	73.6
1962.....	66.9	73.5

Table 9.—Life Expectancy at Birth by Sex, Calendar Year, and Alternative (Cont.)
[In years]

Calendar year	Male		Female			
	Alternative I	Alternative II	Alternative I	Alternative II		
1963.....	66.6	73.4				
1964.....	66.8	73.7				
1965.....	66.8	73.8				
1966.....	66.7	73.9				
1967.....	67.0	74.3				
1968.....	66.6	74.2				
1969.....	66.9	74.6				
1970.....	67.1	74.9				
1971.....	67.4	75.1				
1972.....	67.4	75.2				
1973.....	67.6	75.5				
1974.....	68.3	76.0				
1975.....	68.7	76.6				
1976.....	69.1	76.8				
1977.....	69.4	77.2				
1978.....	69.6	77.3				
1979.....	70.0	77.7				
1980.....	69.9	77.5				
1981.....	70.4	77.9				
1982.....	70.8	78.2				
1983.....	70.9	78.2				
1984.....	71.0	78.2				
1985.....	71.3	78.4				
	Alternative I		Alternative II		Alternative III	
	Male	Female	Male	Female	Male	Female
1986.....	71.4	78.5	71.5	78.6	71.6	78.8
1987.....	71.5	78.6	71.7	78.9	72.0	79.1
1988.....	71.6	78.7	72.0	79.1	72.3	79.4
1989.....	71.7	78.8	72.2	79.3	72.7	79.8
1990.....	71.8	78.9	72.4	79.5	73.0	80.1
1991.....	71.8	78.9	72.6	79.7	73.3	80.4
1992.....	71.9	79.0	72.8	79.8	73.6	80.6
1993.....	72.0	79.1	73.0	80.0	73.8	80.9
1994.....	72.1	79.2	73.1	80.2	74.1	81.2
1995.....	72.2	79.2	73.3	80.4	74.3	81.4
1996.....	72.3	79.3	73.5	80.5	74.6	81.6
1997.....	72.3	79.4	73.6	80.6	74.8	81.8
1998.....	72.4	79.4	73.7	80.8	75.0	82.0
1999.....	72.5	79.5	73.8	80.9	75.1	82.2
2000.....	72.5	79.6	73.9	81.0	75.3	82.3
2005.....	72.7	79.8	74.3	81.3	75.9	83.0
2010.....	72.9	79.9	74.6	81.6	76.5	83.6
2015.....	73.1	80.1	74.8	81.9	77.1	84.2
2020.....	73.2	80.2	75.1	82.2	77.6	84.9
2025.....	73.4	80.4	75.4	82.5	78.2	85.5
2030.....	73.5	80.6	75.6	82.8	78.8	86.1
2035.....	73.7	80.7	75.9	83.1	79.3	86.6
2040.....	73.8	80.9	76.1	83.4	79.9	87.2
2045.....	74.0	81.0	76.4	83.7	80.4	87.8
2050.....	74.1	81.2	76.6	84.0	81.0	88.4
2055.....	74.3	81.3	76.9	84.3	81.5	88.9
2060.....	74.4	81.4	77.1	84.6	82.1	89.5
2065.....	74.6	81.6	77.4	84.8	82.6	90.1
2070.....	74.7	81.7	77.6	85.1	83.2	90.6
2075.....	74.8	81.9	77.9	85.4	83.7	91.2
2080.....	75.0	82.0	78.1	85.7	84.3	91.7

Note: The life expectancy is the average number of years of life remaining to a person if he were to experience the age-specific mortality rates for the tabulated year throughout the remainder of his life.

Table 10.—Life Expectancy at Age 65 by Sex, Calendar Year, and Alternative
[In years]

Calendar year	Male	Female
1900.....	11.3	12.0
1901.....	11.3	12.0
1902.....	11.7	12.6
1903.....	11.4	12.2
1904.....	11.1	11.9
1905.....	11.4	12.0
1906.....	11.4	12.2
1907.....	11.0	11.8
1908.....	11.6	12.3
1909.....	11.6	12.4
1910.....	11.4	12.1
1911.....	11.5	12.2
1912.....	11.5	12.3
1913.....	11.6	12.4
1914.....	11.6	12.4
1915.....	11.4	12.2
1916.....	11.3	12.0
1917.....	11.2	12.1
1918.....	11.6	12.5
1919.....	12.3	12.8
1920.....	11.8	12.3
1921.....	12.2	12.8
1922.....	11.8	12.4
1923.....	11.5	12.2
1924.....	11.8	12.6
1925.....	11.6	12.5
1926.....	11.4	12.2
1927.....	11.7	12.7
1928.....	11.3	12.3
1929.....	11.4	12.4
1930.....	11.8	12.9
1931.....	12.0	13.1
1932.....	11.9	13.0
1933.....	12.0	13.2
1934.....	11.9	13.1
1935.....	11.9	13.2
1936.....	11.6	12.8
1937.....	11.8	13.1
1938.....	12.1	13.5
1939.....	12.0	13.4
1940.....	11.9	13.4
1941.....	12.2	13.8
1942.....	12.4	14.1
1943.....	12.1	13.7
1944.....	12.5	14.1
1945.....	12.6	14.4
1946.....	12.9	14.6
1947.....	12.6	14.5
1948.....	12.7	14.7
1949.....	12.8	14.9
1950.....	12.8	15.1
1951.....	12.8	15.2
1952.....	13.0	15.3
1953.....	12.9	15.3
1954.....	13.2	15.7
1955.....	13.1	15.6
1956.....	13.0	15.7
1957.....	12.9	15.6
1958.....	12.9	15.7
1959.....	13.1	15.9
1960.....	12.9	15.9
1961.....	13.1	16.1
1962.....	12.9	16.0
1963.....	12.7	16.0
1964.....	13.0	16.3
1965.....	12.9	16.3
1966.....	12.9	16.3
1967.....	13.0	16.6
1968.....	12.8	16.6
1969.....	13.0	16.9
1970.....	13.1	17.1
1971.....	13.1	17.1
1972.....	13.1	17.2
1973.....	13.2	17.4
1974.....	13.5	17.7
1975.....	13.7	18.0
1976.....	13.7	18.1

Table 10.—Life Expectancy at Age 65 by Sex, Calendar Year, and Alternative (Cont.)
[In years]

Calendar year	Male Female					
	Alternative I		Alternative II		Alternative III	
	Male	Female	Male	Female	Male	Female
1977.....			13.9	18.3		
1978.....			13.9	18.3		
1979.....			14.2	18.6		
1980.....			14.0	18.4		
1981.....			14.2	18.6		
1982.....			14.5	18.8		
1983.....			14.3	18.7		
1984.....			14.4	18.6		
1985.....			14.4	18.8		
1986.....	14.5	18.8	14.5	18.9	14.6	19.0
1987.....	14.5	18.9	14.6	19.0	14.8	19.2
1988.....	14.5	18.9	14.7	19.2	14.9	19.4
1989.....	14.6	19.0	14.8	19.3	15.1	19.6
1990.....	14.6	19.0	14.9	19.4	15.2	19.8
1991.....	14.6	19.0	15.0	19.5	15.4	20.0
1992.....	14.6	19.1	15.1	19.6	15.5	20.2
1993.....	14.7	19.1	15.2	19.7	15.6	20.3
1994.....	14.7	19.2	15.2	19.8	15.8	20.5
1995.....	14.7	19.2	15.3	19.9	15.9	20.7
1996.....	14.7	19.2	15.4	20.0	16.0	20.8
1997.....	14.7	19.3	15.4	20.1	16.1	21.0
1998.....	14.8	19.3	15.5	20.2	16.2	21.1
1999.....	14.8	19.3	15.5	20.3	16.3	21.2
2000.....	14.8	19.4	15.6	20.3	16.4	21.3
2005.....	14.9	19.5	15.8	20.6	16.8	21.8
2010.....	15.0	19.6	16.0	20.8	17.2	22.3
2015.....	15.1	19.8	16.2	21.1	17.6	22.8
2020.....	15.2	19.9	16.3	21.3	18.0	23.2
2025.....	15.3	20.0	16.5	21.5	18.5	23.7
2030.....	15.4	20.1	16.7	21.8	18.9	24.2
2035.....	15.5	20.3	16.9	22.0	19.3	24.6
2040.....	15.6	20.4	17.1	22.2	19.7	25.1
2045.....	15.7	20.5	17.3	22.5	20.1	25.6
2050.....	15.8	20.6	17.4	22.7	20.6	26.0
2055.....	15.9	20.8	17.6	22.9	21.0	26.5
2060.....	16.0	20.9	17.8	23.2	21.4	27.0
2065.....	16.1	21.0	18.0	23.4	21.8	27.4
2070.....	16.2	21.1	18.2	23.7	22.3	27.9
2075.....	16.3	21.2	18.4	23.9	22.7	28.4
2080.....	16.4	21.4	18.5	24.1	23.1	28.8

Note: The life expectancy is the average number of years remaining to a person if he were to experience the age-specific mortality rates for the tabulated year throughout the remainder of his life.

Charts 2 and 3 are graphs of the past and projected life expectancies at birth of males and females respectively from 1900 to 2080 by alternative. Rapid gains in expectancy at birth occurred from 1900 through the mid-1950's for both males and females. From the mid-1950's through the late 1960's, male life expectancy at birth remained level, while female life expectancy at birth increased moderately. During the 1970's rapid gains resulted for both males and females. During this century life expectancy at birth for males increased 24.4 years from 46.4 in 1900 to 70.8 years in 1982. During the same period, life expectancy at birth for females increased 29.2 years from 49.0 to 78.2 years. Thus the difference in male and female life expectancies, the sex gap, at birth has increased from 2.6 years in 1900 to 7.4 years in 1982. For calendar year 1970, the sex gap in life expectancy at birth was 7.8. It stabilized during the 1970's and has decreased slightly since 1979. Under all three alternatives, the life expectancy at birth is projected to increase. For males, the life expectancy at birth increases from 71.0 years in 1984 to 75.0 years,

78.1 years, and 84.3 years in 2080 under Alternatives I, II, and III, respectively. This represents an increase ranging from 4.0 years to 13.3 years. For females the increase ranges from 3.8 years to 13.5 years. The female life expectancy is projected to increase from 78.2 years in 1984, to 82.0 years, 85.7 years, and 91.7 years in 2080 under Alternative I, II, and III, respectively. The sex gap at birth is projected to change from 7.2 years in 1984 to 7.0 in 2080 under Alternative I, to 7.6 under Alternative II, and to 7.4 under Alternative III.

Life expectancy at age 65 for males increased from 11.3 years in 1900 to 14.5 years in 1982, while life expectancy at age 65 for females increased from 12.0 years to 18.8 years. The life expectancy for males at age 65 is projected to increase from 14.4 years in 1984 to 16.4 years, 18.5 years, and 23.1 years in 2080 under Alternatives I, II, and III, respectively. This represents an increase ranging from 2.0 years to 8.7 years. For females the increase ranges from 2.8 years to 10.2 years. The female age 65 life expectancy is projected to increase from 18.6 years in 1984 to 21.4 years, 24.1 years, and 28.8 years under Alternatives I, II, III, respectively. It is interesting to note that the sex gap at age 65 has increased from .7 years to 4.3 years between 1900 and 1982 and that it is projected to increase to 5.0, 5.6, and 5.7 years by 2080 under Alternatives I, II, and III, respectively.

Although a complete projection of age-sex-specific death rates was not done for each marital status, historical data indicated that the differential in mortality by marital status is significant. Thus, future relative differences in death rates by marital status were projected to be the same as for calendar years 1980 and 1981. Death rates for this period are shown in Table 11. These rates were calculated using deaths as tabulated from the 1980 and 1981 Mortality Cause-of-Death Summary Public Use Data Tapes available from the National Center for Health Statistics and population distributions as published in *Current Population Reports*, Series

P-20 and P-25, by the Bureau of the Census.

Table 11.—Central Death Rates by Age Group, Sex, and Marital Status Based on 1980-81 Data
[Per hundred thousand]

Sex and age group	Total	Single	Married	Widowed	Divorced
Male:					
15-19	135.9	134.8	169.4	933.0	400.0
20-24	193.9	211.7	135.9	1,100.0	430.3
25-29	192.5	276.2	123.0	1,120.0	458.5
30-34	192.1	355.3	128.5	1,145.0	500.0
35-39	241.8	592.5	171.7	1,186.5	562.7
40-44	357.6	746.4	275.8	1,200.0	773.6
45-49	581.0	1,238.6	459.1	1,266.6	1,342.0
50-54	932.8	1,991.2	754.8	1,748.4	2,146.9
55-59	1,444.5	2,556.0	1,225.6	2,414.0	3,044.8
60-64	2,195.9	3,398.1	1,926.0	3,473.3	4,154.8
65-69	3,338.9	4,756.3	2,945.4	5,559.8	5,736.1
70-74	4,991.0	7,147.0	4,436.2	7,160.9	7,860.3
75-79	7,323.9	12,872.2	6,235.5	10,567.0	13,034.5
80-84	11,027.0	19,506.0	9,317.1	14,027.2	17,258.6
85-89	16,433.6	26,107.9	14,240.1	18,432.6	19,259.8
90-94	21,981.3	32,226.8	19,333.7	23,250.2	23,000.0
Female:					
15-19	51.8	51.5	50.7	270.0	75.0
20-24	60.3	71.9	40.5	274.2	105.0
25-29	67.5	110.7	46.5	282.3	120.3
30-34	82.6	178.7	60.6	285.0	137.6
35-39	122.4	277.9	95.0	300.0	205.7
40-44	195.3	408.8	157.9	381.0	333.1
45-49	319.0	544.0	265.3	587.3	508.1
50-54	496.5	754.0	421.5	776.0	734.8
55-59	746.3	1,160.7	634.6	1,006.8	1,084.3
60-64	1,131.5	1,606.3	939.0	1,478.7	1,573.9
65-69	1,705.2	2,114.4	1,426.6	1,982.9	2,475.8
70-74	2,621.7	3,176.6	2,137.3	2,921.4	3,719.3
75-79	4,132.5	4,960.0	3,409.5	4,314.0	6,340.0
80-84	7,095.9	8,324.6	5,179.4	7,463.0	9,920.4
85-89	11,797.1	14,681.1	7,894.2	12,717.1	12,620.6
90-94	17,983.4	23,584.7	12,717.5	19,202.2	17,000.0

CHART 2.--Male Life Expectancy (in years), 1900-2080

Actual and Projected by Alternative

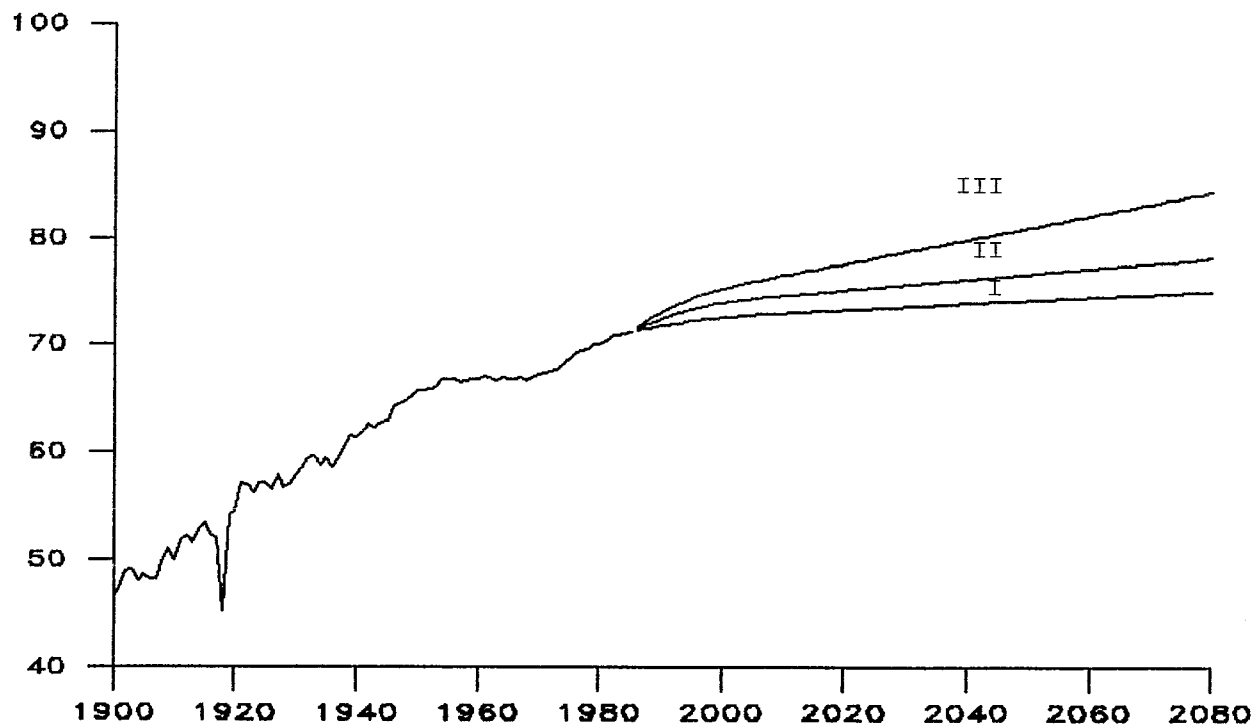
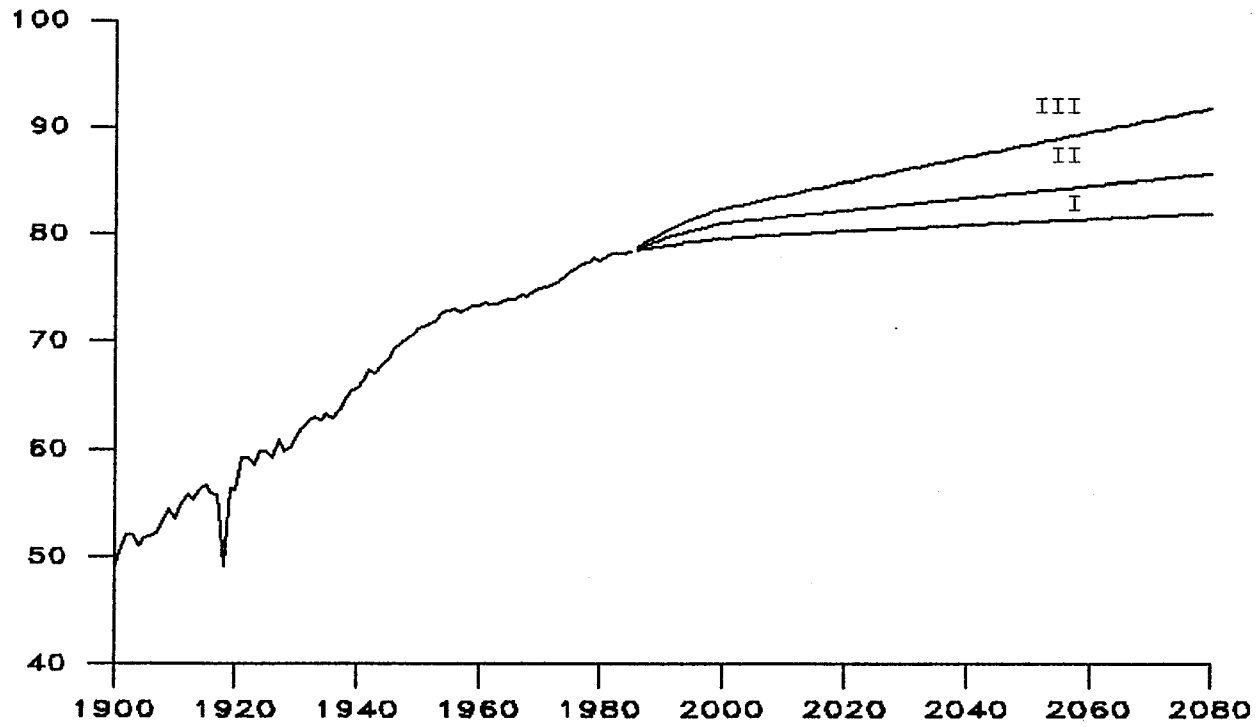


CHART 3.--Female Life Expectancy (in years), 1900-2080
Actual and Projected by Alternative



C. Net Immigration

Immigration was once a very important element in the growth of the United States population. During calendar years 1904 through 1913 for example, immigration averaged nearly one million per year, which represented quite sizeable percentage increases in the United States population. Immigration decreased greatly during World War I and following the adoption of quotas based on national origin in 1921. The economic depression in the 1930's caused an additional but temporary decrease, which resulted in more emigration than immigration. Annual immigration increased after World War II to around 300,000 persons per year and stayed at that level through the 1950's and into the 1960's. With the Immigration Act of 1965 and other related changes, annual immigration increased to about 400,000. During the last seven years of available data (1978-1984), however, immigration has averaged approximately 555,000 per year. Although statistics on emigration are sparse and largely estimated (see, "Foreign-Born Emigration From the United States: 1960 to 1970" by Warren and Peck in *Demography*, February 1980), they suggest that annual emigration has been over 100,000.

In deciding upon the annual net immigration (excess of immigration over emigration) to be assumed for future years, the question of making some provision for persons entering the United States illegally arises. Illegal aliens are included in our starting population, in accordance with the official policy of the Bureau of Census to enumerate or to include in the estimated undercount all persons residing in the U.S., whether legally or illegally. Illegal immigration seems to explain in part the "error of closure" that was evidenced in the 1980 census. The 1980 census enumerated about 5.5 million more persons than were previously estimated for April 1, 1980. We have decided, however, not to include in our projections aliens who may enter the United States illegally after July 1, 1984, largely because no reliable estimate of their number exists. Part of the problem in analyzing net illegal immigration is that many illegal aliens tend to stay in the United States temporarily rather than permanently, as they frequently return to families in their native countries.

For the 1986 Report of the Board of Trustees, net immigration is assumed to be 700,000, 500,000, and 300,000 persons per year for Alternatives I, II and III, respectively. The assumptions selected for Alternatives I and II assume refugees will be admitted periodically, over and above the annual quotas provided in present law. The age-sex distribution of the assumed net annual immigration was based on data supplied by the Immigration and Naturalization Service on immigration during the 1970's. The age-sex distributions for the three Alternatives are shown in Table 12.

Table 12.—Assumed Annual Immigration by Age Group, Sex and Alternative

Alternative and age group	Total	Male	Female
Alternative I:			
0-4.....	50,441	24,954	25,487
5-9.....	58,491	29,692	28,799
10-14.....	61,190	31,049	30,141
15-19.....	69,763	33,061	36,702
20-24.....	93,283	37,052	56,231
25-29.....	110,360	53,233	57,127
30-34.....	73,379	37,008	36,371
35-39.....	47,094	23,189	23,905

Table 12.—Assumed Annual Immigration by Age Group, Sex and Alternative (Cont.)

Alternative and age group	Total	Male	Female
Alternative I: (Cont.)			
40-44.....	33,261	15,974	17,287
45-49.....	25,797	11,982	13,815
50-54.....	20,754	8,852	11,902
55-59.....	17,218	6,955	10,263
60-64.....	14,859	5,842	9,017
65-69.....	11,519	4,665	6,854
70-74.....	6,889	2,761	4,128
75-79.....	3,394	1,318	2,076
80-84.....	2,308	851	1,457
85+.....	0	0	0
0-19.....	239,885	118,756	121,129
20-64.....	436,005	200,087	235,918
65+.....	24,110	9,595	14,515
Total.....	700,000	328,438	371,562
Alternative II:			
0-4.....	36,025	17,822	18,203
5-9.....	41,780	21,209	20,571
10-14.....	43,708	22,178	21,530
15-19.....	49,832	23,616	26,216
20-24.....	66,631	26,467	40,164
25-29.....	78,827	38,023	40,804
30-34.....	52,414	26,434	25,980
35-39.....	33,639	16,564	17,075
40-44.....	23,759	11,411	12,348
45-49.....	18,427	8,559	9,868
50-54.....	14,824	6,322	8,502
55-59.....	12,300	4,969	7,331
60-64.....	10,613	4,173	6,440
65-69.....	8,230	3,333	4,897
70-74.....	4,920	1,972	2,948
75-79.....	2,423	940	1,483
80-84.....	1,648	608	1,040
85+.....	0	0	0
0-19.....	171,345	84,825	86,520
20-64.....	311,434	142,922	168,512
65+.....	17,221	6,853	10,368
Total.....	500,000	234,600	265,400
Alternative III:			
0-4.....	21,619	10,696	10,923
5-9.....	25,067	12,724	12,343
10-14.....	26,225	13,307	12,918
15-19.....	29,897	14,169	15,728
20-24.....	39,980	15,880	24,100
25-29.....	47,296	22,814	24,482
30-34.....	31,448	15,860	15,588
35-39.....	20,182	9,938	10,244
40-44.....	14,254	6,846	7,408
45-49.....	11,055	5,136	5,919
50-54.....	8,894	3,794	5,100
55-59.....	7,380	2,981	4,399
60-64.....	6,368	2,504	3,864
65-69.....	4,936	1,998	2,938
70-74.....	2,953	1,184	1,769
75-79.....	1,456	565	891
80-84.....	990	365	625
85+.....	0	0	0
0-19.....	102,808	50,896	51,912
20-64.....	186,857	85,753	101,104
65+.....	10,335	4,112	6,223
Total.....	300,000	140,761	159,239

D. Marriages

Because marriage is the combination of a male and a female into a couple, marriage rates can be computed as a ratio of the number of marriages to (1) the number of nonmarried males (not taking into account the number of nonmarried females), (2) the number of nonmarried females (not taking into account the number of nonmarried males), or (3) a theoretical number of nonmarried

couples that takes into account both the number of nonmarried males and nonmarried females. The marriage rates referred to in this study are computed using the third concept of a theoretical number of nonmarried couples as the denominator. The rates were computed as the number of marriages for given ages of husband and wife divided by the square root of the product of the mid-year nonmarried males and nonmarried females of the given ages.

In order to calculate these rates, data on new marriages in the Marriage Registration Area (which in 1982 consisted of 42 States and D.C. and accounted for 80 percent of all marriages in the U.S.) were obtained from the National Center for Health Statistics for calendar years 1957 through 1981 by age of husband crossed with age of wife. Estimates of the nonmarried population in the Marriage Registration Area were obtained from the National Center for Health Statistics and from the Bureau of the Census by age group and sex.

The number of marriages depends upon the age distribution of both the nonmarried male population and the nonmarried female population. Thus, an acceptable summary statistic could be calculated by age-adjustment to a set of standard nonmarried populations. When only one population is involved (as in calculating death rates), equal results are obtained by viewing the age-adjusting concept as the weighted average of the age-specific rates or as the crude rate that would occur in the standard population. When two populations are involved (as in calculating marriage rates), these two concepts do not produce the same results.

Using either concept, the first step in calculating the age-adjusted statistic is to determine the number of marriages that would occur in the standard population. We determine this number, the expected number of marriages, by applying the age-of-husband-age-of-wife-specific marriage rates to the square root of the product (geometric mean) of the corresponding standard age-specific populations. To age-adjust using the weighted average concept, the expected number of marriages is divided by the sum of all of the factors to which the marriage rates were applied, i.e., the sum of the geometric means of the corresponding age-specific populations. To age-adjust using the crude rate concept, the expected number of marriages is divided by the geometric mean of the total male nonmarried population and the total female nonmarried population. In this study we have calculated rates for the years 1957 through 1981 under the latter concept, i.e., the crude rate that would be experienced in the standard population, which we express per hundred thousand nonmarried of each sex.

Table 13 displays the age-adjusted marriage rates for each year during the period 1957 through 1981. The total rates ranged from a high in 1968 of 9,822 per hundred thousand nonmarried persons of each sex to a low in 1981 of 5,867. The total age-adjusted rate remained relatively constant during the late 1950's and throughout the 1960's. A major decrease in the total age-adjusted rate was experienced during the 1970's with the largest part of the decrease attributable to the age groups 14-19 and 20-24.

Table 13.—Central Marriage Rates in the Marriage Registration Area, Age-Adjusted to the Unmarried U.S. Population Aged 15 and Over as of April 1, 1980
[Per hundred thousand unmarried of each sex]

Calendar year	Total	Male								Female							
		14-19	20-24	25-29	30-34	35-44	45-54	55-64	65+	14-19	20-24	25-29	30-34	35-44	45-54	55-64	65+
1957	9,656	1,382	8,887	6,923	3,465	2,568	1,285	706	382	5,956	10,064	4,656	2,578	1,920	830	327	95
1958	9,484	1,464	9,044	6,324	3,282	2,464	1,234	689	394	6,052	10,041	4,153	2,388	1,826	821	329	101
1959	9,736	1,573	9,388	6,171	3,359	2,573	1,311	695	423	6,273	10,339	4,083	2,397	1,915	872	341	108
1960	9,718	1,575	9,193	6,300	3,443	2,566	1,350	729	401	6,053	10,408	4,371	2,396	1,854	879	328	109
1961	9,215	1,438	8,351	6,096	3,588	2,714	1,283	703	408	5,507	9,723	4,263	2,582	1,963	847	340	106
1962	9,157	1,449	8,238	6,085	3,472	2,849	1,248	707	395	5,308	9,854	4,286	2,508	1,954	866	342	101
1963	9,386	1,373	8,573	6,115	3,600	2,952	1,374	727	415	5,087	10,451	4,349	2,767	1,990	916	351	104
1964	9,476	1,349	8,705	6,146	3,523	3,062	1,441	756	409	5,087	10,444	4,559	2,792	2,025	940	388	105
1965	9,526	1,507	8,599	6,264	3,434	2,967	1,542	742	402	5,241	10,360	4,627	2,678	2,056	983	370	107
1966	9,817	1,682	8,442	6,921	3,459	3,019	1,622	754	389	5,227	10,816	4,921	2,689	2,169	983	375	109
1967	9,584	1,583	8,279	6,620	3,475	3,045	1,599	766	391	4,881	10,562	5,092	2,675	2,132	1,004	371	107
1968	9,822	1,633	8,818	6,371	3,657	2,952	1,650	744	404	4,986	10,844	5,402	2,694	2,045	1,007	386	109
1969	9,786	1,654	8,748	6,343	3,556	3,030	1,558	840	412	4,948	10,850	5,174	2,747	2,108	1,012	423	117
1970	9,363	1,597	8,508	5,883	3,357	2,810	1,556	813	417	4,827	10,353	4,872	2,496	2,019	996	426	118
1971	9,000	1,626	7,821	5,651	3,267	2,903	1,612	882	443	4,710	9,428	4,772	2,691	2,111	1,024	440	127
1972	9,108	1,713	7,627	5,862	3,461	2,889	1,767	882	435	4,864	9,171	5,008	2,819	2,185	1,094	444	125
1973	8,776	1,650	7,101	5,593	3,607	2,956	1,789	854	433	4,617	8,535	5,084	2,838	2,231	1,109	437	124
1974	8,056	1,532	6,439	5,175	3,341	2,715	1,604	805	433	4,264	7,722	4,698	2,674	2,063	993	413	123
1975	7,412	1,326	5,591	4,953	3,211	2,788	1,551	776	425	3,678	6,987	4,580	2,653	2,018	921	414	127
1976	7,033	1,196	5,230	4,684	3,135	2,758	1,541	780	404	3,352	6,590	4,412	2,655	1,968	949	397	119
1977	6,716	1,085	4,984	4,503	3,143	2,643	1,411	755	375	3,131	6,308	4,294	2,578	1,904	864	374	116
1978	6,519	1,022	4,834	4,381	3,056	2,636	1,367	744	348	2,953	6,140	4,252	2,556	1,854	861	353	104
1979	6,398	968	4,698	4,364	2,998	2,551	1,306	792	428	2,807	6,024	4,182	2,545	1,857	820	385	144
1980	6,006	899	4,413	4,100	2,843	2,396	1,277	698	379	2,593	5,682	3,951	2,413	1,786	786	328	118
1981	5,867	839	4,176	4,043	2,872	2,403	1,362	713	374	2,403	5,401	4,020	2,503	1,863	793	335	120

Note: The first step in calculating the total age-adjusted central marriage rate for a particular year is to determine an expected number of marriages by applying the age-of-husband-age-of-wife-specific central marriage rates for that year to the geometric mean of the corresponding age groupings of unmarried males and unmarried females in the 1980 census population. The total age-adjusted central marriage rate is then obtained by dividing the expected number of

marriages by the geometric mean of the number of unmarried males (aged 15 and over) and unmarried females (aged 15 and over) in the 1980 census population. The age-adjusted central marriage rate for a particular age-sex grouping is calculated in a similar manner. Instead of the standard population being the total 1980 census population, it is limited to the particular age-sex grouping and all members of the opposite sex.

Because we are uncertain whether marriage rates will increase or decrease, we assumed that future rates of marriage would remain at the same level as observed during the 12 months ending with June 1985. The age-of-husband-age-of-wife-specific rates observed in 1979

and 1981 were averaged and adjusted to this level. These rates for five-year age groups are shown in Table 14. The use of constant age-specific rates does not imply that the crude rate of marriage in the projected population remains constant.

Table 14.—Assumed Central Marriage Rates by Age of Husband and Wife
[Per hundred thousand]

Age group of husband	Age group of wife															
	14-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94
14-19.....	1,203.8	369.8	54.1	18.6	5.5	1.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-24.....	2,575.7	6,222.3	1,317.5	317.1	96.1	23.6	8.5	2.9	2.0	.3	.0	.0	.0	.0	.0	.0
25-29.....	608.3	4,711.4	4,776.0	1,419.5	379.0	109.2	26.3	7.8	2.4	.3	.1	.0	.0	.0	.0	.0
30-34.....	193.0	1,666.7	3,638.7	2,965.5	1,049.8	323.3	90.7	20.1	6.6	2.1	.4	.0	.0	.0	.0	.0
35-39.....	73.5	682.4	1,745.1	2,496.0	1,933.1	749.4	228.6	58.5	15.7	3.7	1.4	.3	.2	.2	.0	.0
40-44.....	24.8	238.8	764.5	1,350.7	1,720.6	1,319.6	529.8	145.1	38.5	9.1	4.8	.6	.2	.0	.0	.0
45-49.....	11.1	86.0	321.0	725.2	1,131.1	1,331.2	983.7	343.5	101.0	29.0	7.2	2.2	.5	.2	.0	.0
50-54.....	5.4	37.2	123.3	340.9	605.9	863.3	1,030.0	698.9	246.3	74.5	20.4	8.4	3.1	.9	.0	.0
55-59.....	2.1	18.2	53.6	145.2	258.6	456.9	654.7	698.5	511.4	198.1	54.6	16.1	4.1	.9	.0	.0
60-64.....	1.3	7.3	20.1	53.9	94.9	198.9	307.3	466.6	475.3	394.8	132.1	41.7	6.9	1.7	.0	.0
65-69.....	1.0	3.2	9.4	19.9	37.5	67.4	125.2	207.6	306.2	401.4	309.6	90.6	17.8	4.7	.1	.0
70-74.....	1.3	2.3	3.7	6.4	15.5	32.0	53.4	76.2	133.1	226.6	308.4	206.1	42.4	7.9	.7	.0
75-79.....	.2	2.2	1.9	2.3	6.5	10.7	21.3	30.0	52.9	92.2	160.7	162.4	98.1	15.6	2.8	.0
80-84.....	.0	.5	.4	.9	3.2	4.0	6.2	13.0	17.1	39.4	63.9	77.8	54.3	32.3	8.6	.4
85-89.....	.0	.0	.0	.1	.4	.0	2.1	4.2	5.2	11.3	18.6	24.0	24.8	23.2	5.4	.0
90-94.....	.0	.0	.0	.0	.0	.0	.0	1.6	3.8	2.3	4.2	8.0	7.8	6.0	3.6	3.9

Note: The central marriage rate is the ratio of the number of marriages during the year in the tabulated age cell to the geometric mean of the midyear number of unmarried males in the age group of

husband and the midyear number of unmarried females in the age group of wife.

Although a complete projection of age-of-husband-age-of-wife-specific marriage rates was not done for each previous marital status, experience data indicated that differential in marriage rates by previous marital status is significant. Future relative differences in marriage rates by previous marital status were assumed to be the same as the average of those experienced during 1979 and 1981. These rates were obtained from unpublished data supplied by the National Center for Health Statistics, which with slight modifications are given in Table 15.

Table 15.—Average of Calendar Years 1979 and 1981 Central Marriage Rates by Age Group, Sex, and Marital Status
[Per thousand]

Sex and age group	Marital status			
	Total	Single	Widowed	Divorced
Male:				
14-19.....	20.2	20.1	498.4	166.1
20-24.....	95.4	90.5	380.1	267.2
25-29.....	131.6	108.5	283.9	284.6
30-34.....	127.8	74.1	170.0	241.7
35-39.....	109.4	38.0	110.5	185.7
40-44.....	106.8	32.8	102.8	175.3
45-49.....	72.9	15.7	64.6	119.0
50-54.....	67.0	13.0	60.3	108.1
55-59.....	41.6	8.0	53.8	62.2
60-64.....	37.7	7.1	49.8	54.8
65-69.....	17.4	3.5	20.0	28.8
70-74.....	15.3	3.0	17.1	25.4
75-79.....	15.9	3.1	17.1	25.5
80-84.....	16.3	3.1	17.1	25.5
85-89.....	16.6	3.1	17.1	25.5
90-94.....	16.7	3.1	17.1	25.5
Female:				
14-19.....	44.3	43.4	345.0	214.7
20-24.....	119.2	108.9	183.8	261.2
25-29.....	131.9	103.3	103.1	214.2
30-34.....	102.2	61.5	65.2	145.6
35-39.....	69.9	31.3	38.9	95.3
40-44.....	63.8	27.0	35.2	87.4
45-49.....	33.8	12.4	20.6	50.6
50-54.....	26.9	10.4	18.3	44.3

Table 15.—Average of Calendar Years 1979 and 1981 Central Marriage Rates by Age Group, Sex, and Marital Status (Cont.)
[Per thousand]

Sex and age group	Marital status			
	Total	Single	Widowed	Divorced
Female: (Cont.)				
55-59.....	12.6	5.3	10.3	21.4
60-64.....	10.0	4.4	8.9	17.9
65-69.....	3.3	1.2	2.9	7.9
70-74.....	2.5	.9	2.3	6.7
75-79.....	2.4	.9	2.4	6.7
80-84.....	2.4	.9	2.4	6.7
85-89.....	2.4	.9	2.4	6.7
90-94.....	2.4	.9	2.4	6.7

Note: The central marriage rate is the ratio of the number of marriages during the year in the tabulated age group and marital status to the midyear population in that age group and marital status.

E. Divorces

We assumed that future age-of-husband-age-of-wife-specific rates of divorce would remain at about the same level as recently observed. This does not imply that the crude rate of divorce in the projected population remains constant.

Data on divorces (including annulments) in the Divorce Registration Area during calendar years 1979 and 1981 by age group of husband crossed with age group of wife were obtained from the National Center for Health Statistics. For each calendar year 1979 and 1981, the divorces occurring in the Divorce Registration Area (which in 1982 consisted of 31 States and accounted for about 49 percent of all divorces in the U.S.) were inflated to represent the Social Security Area, based on the total number of divorces during the corresponding calendar year in the 50 States, District of Columbia, Puerto Rico, and the Virgin Islands. Divorce rates for each age group of husband crossed with each age group of wife were then calculated as the ratio of the number of divorces in the Social Security Area for couples

within the given ages of husband and wife to the number of existing marriages in the Social Security Area within the given ages of husband and wife. The resulting rates for 1979 and 1981 were averaged and

then adjusted to the level observed during the 12 months ending with June 1985. The final rates are shown in Table 16.

Table 16.—Assumed Central Divorce Rates by Age of Husband and Wife
[Per hundred thousand]

Age group of husband	Age group of wife														
	14-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89
14-19.....	3,895.7	4,203.4	3,682.8	3,339.6	1,494.0	402.2	43.6	38.6	98.2	99.5	97.6	86.2	89.7	56.5	48.0
20-24.....	5,003.3	5,080.1	4,142.6	4,400.3	3,804.2	2,579.7	1,458.5	605.8	153.7	143.3	202.5	264.1	395.8	337.0	288.0
25-29.....	4,031.0	5,184.2	4,670.2	3,311.2	3,338.4	3,329.4	3,021.7	2,175.3	998.1	746.2	670.0	584.7	777.0	677.7	641.3
30-34.....	6,069.2	5,113.7	4,008.1	3,497.4	2,590.4	3,395.3	3,667.4	3,022.2	1,661.9	1,187.0	828.1	683.0	781.8	791.2	928.8
35-39.....	6,567.5	6,691.5	4,013.0	2,812.7	2,730.0	2,312.1	2,989.1	2,900.4	1,963.1	1,652.4	1,414.6	1,257.5	1,274.1	1,322.4	1,447.0
40-44.....	6,161.9	7,485.4	5,307.9	2,978.3	2,169.9	2,149.2	1,780.8	1,992.8	1,535.1	1,378.1	1,278.9	1,295.9	1,271.0	1,372.6	1,282.2
45-49.....	3,472.8	6,182.5	5,310.3	3,579.9	2,169.1	1,595.1	1,397.6	1,098.5	1,098.8	1,062.8	1,072.3	1,030.5	1,081.3	1,127.6	1,094.5
50-54.....	1,683.3	5,110.9	5,290.9	4,311.9	2,720.1	1,478.2	1,009.9	834.7	661.2	718.3	735.3	726.4	723.9	786.0	796.8
55-59.....	852.4	3,721.2	4,288.9	4,177.2	2,997.7	1,754.9	971.6	593.2	296.0	240.1	291.0	322.8	333.1	343.3	363.4
60-64.....	964.6	2,933.3	3,755.4	3,947.3	3,063.3	1,862.8	1,035.7	530.3	250.3	244.3	227.5	240.7	247.0	248.5	284.2
65-69.....	1,154.4	2,539.0	3,591.1	3,913.6	3,070.2	1,892.0	1,054.9	547.3	255.2	242.2	251.7	225.8	226.2	222.6	248.7
70-74.....	1,305.4	2,346.7	3,415.5	3,864.6	2,996.0	1,920.7	1,066.7	561.7	260.0	230.4	245.1	252.9	224.0	223.5	245.9
75-79.....	1,322.7	2,479.9	3,533.7	3,727.5	2,976.2	1,870.8	1,084.9	579.6	262.0	226.5	235.2	242.7	248.6	231.8	262.0
80-84.....	1,315.0	2,653.9	3,026.6	3,386.0	2,581.8	1,688.0	1,006.8	536.4	242.0	196.7	203.2	209.8	228.9	267.3	254.2
85-89.....	1,479.7	3,493.7	3,861.9	3,946.2	3,277.4	2,169.8	1,294.4	718.8	332.8	260.7	258.0	269.1	259.1	230.3	203.5

Note: The central divorce rate is the ratio of the number of divorces during the year in the tabulated age cell to the midyear number of married couples in that cell.

IV. METHODS

Future numbers of births, deaths, net immigration, marriages, and divorces are obtained by applying the following methods to the projected data described in the preceding section. End of year population data is determined from the beginning of year population data.

The single (never married) population at the end of the year for each age and sex is calculated from the single population at the beginning of the year by subtracting the deaths and marriages during the year, and adding the net immigration of single persons. The married population at the end of the year is calculated from that at the beginning of the year by subtracting the deaths and divorces, and adding the marriages. The widowed population at the end of the year is calculated by subtracting the deaths and marriages, and adding the widowings and net immigration. The divorced population at the end of the year is calculated by subtracting the deaths and marriages, and adding the divorces and net immigration.

A. Marriages

1. Probabilities of Marriage

Probabilities of marriage were calculated for each age of husband crossed with each age of wife from the average of the marriage rates for calendar years 1979 and 1981 so that the resulting number of marriages would equal a provisional estimate of the number of marriages in the Social Security Area from July 1, 1984 to July 1, 1985. The calculation was iterative because the probability of marriage to a partner at a given age is dependent upon the probabilities of marriage to partners of other ages.

2. Number of Marriages

The number of marriages occurring at each age of husband crossed with each age of wife was calculated iteratively as the product of the probability of marriage and the square root of the product of the male population exposed to marriage and the female population exposed to marriage. (The male population exposed to marriage was approximated as the nonmarried male

population of the given age at the beginning of the year less one-half of all marriages to females of ages other than the given age of the female. The female population exposed to marriage was approximated similarly). The numbers of marriages were then distributed by previous marital status in the same proportions as would have been produced by applying the previous-marital-status-specific marriage rates to the population by marital status at the beginning of the year. Projected numbers of marriages are given in Table 17 by alternative.

B. Divorces

1. Probabilities of Divorce

Probabilities of divorce were calculated for each age of husband crossed with each age of wife from the average of the divorce rates for the calendar years 1979 and 1981 so that the resulting number of divorces would equal a provisional estimate of the number of divorces in the Social Security Area from July 1, 1984 to July 1, 1985. The provisional estimates of marriages and divorces were developed from data published by the National Center for Health Statistics in *Monthly Vital Statistics Reports*, Volume 34.

2. Number of Divorces

The number of marriages dissolved by divorce at each age of husband crossed with each age of wife was calculated by applying probabilities of divorce to the existing marriages by age of husband crossed with age of wife at the beginning of the year. Projected numbers of divorces are given in Table 17 by alternative.

C. Deaths

1. Probabilities of Survival

Earlier in this study, death rates (generally referred to as *central* death rates) were presented which were calculated as the number of deaths occurring in a given year divided by the mid-year population in that year. This concept is a useful one in the context of analyzing historical trends, but is not so readily applicable to the actual projection of population. What is more suitable is the concept of probability of death (or of survival). This concept involves dividing the number of deaths occur-

ring to a group in a given year by the number of persons in that group at the beginning of the year (rather than the population at the middle of the year). As one would expect, these two concepts are closely related, although the mathematics of their relationship is not trivial.

Future probabilities of survival by age last birthday were calculated for each sex and each single year of age from the projected central death rates by sex and age group. The probability of death at age 0 (q_0) was calculated from the population central death rate for age 0 and the relationship between the probability of death and the central death rate that existed in 1981. For each single year of age 1 through 4, the probability of death was calculated from the population central death rate for the age group 1 through 4 (a_{m_1}) and the relationships that existed in 1981. Probabilities of death at ages 5 and older were calculated by an iterative method. As a first approximation, the probability of death for each five-year age group from 5-9 to 90-94 was calculated from the corresponding central death rate assuming that on the average deaths occurred at the middle of the age interval. As part of the iterative process, the probability of death for each single age in each five-year age group was determined by interpolating the logarithms of the complements of the surrounding five-year probabilities of death with Beer's minimized fifth-difference formula. The probability of death for each age 95 and over was calculated to produce a rapid decline in the ratio of succeeding probabilities of death to a minimum ratio of 1.05 for females and 1.04 for males. These ratios were chosen based on the analysis by Francisco R. Bayo and Joseph F. Faber contained in the paper "Mortality Experience Around Age 100," in the *Transactions of the Society of Actuaries*, Volume XXXV. An initial life table for each sex was then constructed using these probabilities of death. On subsequent iterations, the life table probability of death for each age 5 through 94 was adjusted so that the central death rates for the five-year age groups obtained by weighting the single age life table central death rates by the population would equal the corresponding population five-year age group central death rates. This adjustment corrects for the fact that the distribution within each quinquennial age group in the life table population generally differs from that in the actual population. For more detail on the method used to produce the life tables for these population projections see Actuarial Study No. 89, "Life Tables For The United States: 1900-2050" by Joseph F. Faber and Alice H. Wade.

2. Number of Deaths

The number of deaths occurring at each age and sex was calculated as the difference between the number of people alive at the beginning of the year and the product of the number of people alive at the beginning of the year and the probability of survival. Deaths to new born babies were computed using a similar formula. However, deaths to immigrants newly arriving in the year were disregarded. The numbers of deaths were then distributed by marital status in the same proportions as would have been produced by applying the marital-status specific probabilities of survival to the population by marital status at the beginning of the year. Projected numbers of deaths are given in Table 17 by alternative.

3. Number of Widowings

The number of marriages dissolved by death at each age of husband crossed with each age of wife was calculated by applying joint-life probabilities of death to the existing marriages by age of husband crossed with age of wife at the beginning of the year. (The joint-life probabilities were developed to be consistent with the projected death rates and the assumed mortality differential by marital status, and assumed independence of the partners). The number of widowings for a particular age and sex was calculated as the difference between the marriages of individuals of that particular age and sex dissolved by death of either partner and the number of deaths to married persons of that age and sex. Projected numbers of widowings are given in Table 17 by alternative.

D. Net Immigration

The assumed net immigration for each age and sex was distributed among the single (never married), widowed, and divorced populations in the same proportions as existed in the nonmarried population at the beginning of the year. None of the immigrants during the year were assigned to the married population because of the relatively small numbers involved and because of the lack of information of age of spouse.

E. Births

Birth rates covering July 1 to June 30 were approximated from those covering January 1 to December 31 by linear interpolation. These rates were then applied to the average of the beginning-of-year and end-of-year female populations to calculate births during the year. Projected numbers of births are given in Table 17 by alternative.

Table 17.—Selected Vital Events in the Social Security Area by Alternative and Calendar Year
[In thousands]

Alternative and calendar year	Births	Deaths	Marriages	Divorces
Alternative I:				
1985	3,888	2,143	2,566	1,215
1986	3,932	2,165	2,612	1,238
1987	3,963	2,193	2,654	1,249
1988	3,986	2,221	2,689	1,248
1989	3,999	2,248	2,717	1,241
1990	4,005	2,276	2,736	1,243
1991	4,004	2,303	2,748	1,253
1992	3,998	2,331	2,755	1,259
1993	3,990	2,358	2,758	1,259
1994	3,982	2,386	2,758	1,258
1995	3,977	2,413	2,756	1,257
1996	3,977	2,441	2,756	1,258
1997	3,983	2,470	2,758	1,257
1998	3,996	2,498	2,766	1,255
1999	4,016	2,527	2,777	1,252
2000	4,042	2,557	2,791	1,251
2005	4,273	2,715	2,885	1,250
2010	4,595	2,889	2,979	1,263
2015	4,738	3,082	3,043	1,284
2020	4,827	3,303	3,090	1,306
2025	4,942	3,559	3,162	1,333
2030	5,137	3,834	3,278	1,370
2035	5,367	4,087	3,404	1,418
2040	5,570	4,280	3,509	1,467
2045	5,730	4,388	3,604	1,515
2050	5,888	4,426	3,707	1,562
2055	6,078	4,426	3,831	1,612
2060	6,296	4,434	3,964	1,666
2065	6,512	4,482	4,093	1,722
2070	6,713	4,576	4,215	1,778
2075	6,908	4,701	4,340	1,835
2080	7,116	4,836	4,473	1,892
Alternative II:				
1985	3,880	2,138	2,566	1,215
1986	3,899	2,145	2,609	1,238
1987	3,897	2,152	2,644	1,249
1988	3,888	2,161	2,674	1,247
1989	3,871	2,171	2,696	1,240
1990	3,847	2,182	2,711	1,241
1991	3,817	2,194	2,719	1,251
1992	3,783	2,207	2,722	1,256
1993	3,748	2,222	2,721	1,256
1994	3,714	2,237	2,717	1,253
1995	3,684	2,255	2,712	1,252
1996	3,660	2,274	2,709	1,252
1997	3,642	2,295	2,708	1,250
1998	3,631	2,318	2,712	1,247
1999	3,626	2,344	2,720	1,244
2000	3,627	2,372	2,732	1,241
2005	3,716	2,531	2,811	1,235
2010	3,856	2,702	2,872	1,242
2015	3,887	2,882	2,881	1,249
2020	3,851	3,079	2,862	1,251
2025	3,825	3,302	2,861	1,252
2030	3,859	3,544	2,890	1,257
2035	3,922	3,776	2,925	1,268
2040	3,965	3,962	2,943	1,279
2045	3,975	4,071	2,947	1,286
2050	3,977	4,102	2,955	1,292
2055	3,996	4,075	2,974	1,300
2060	4,033	4,026	3,000	1,309
2065	4,068	3,993	3,022	1,319

Table 17.—Selected Vital Events in the Social Security Area by Alternative and Calendar Year (Cont.)
[In thousands]

Alternative and calendar year	Births	Deaths	Marriages	Divorces
Alternative II: (Cont.)				
2070	4,091	3,990	3,037	1,328
2075	4,107	4,011	3,051	1,337
2080	4,127	4,035	3,068	1,345
Alternative III:				
1985	3,869	2,133	2,566	1,215
1986	3,854	2,124	2,606	1,238
1987	3,808	2,112	2,635	1,249
1988	3,756	2,103	2,659	1,247
1989	3,699	2,096	2,676	1,239
1990	3,635	2,093	2,687	1,240
1991	3,568	2,091	2,690	1,249
1992	3,498	2,093	2,689	1,253
1993	3,429	2,096	2,684	1,252
1994	3,362	2,103	2,677	1,249
1995	3,301	2,112	2,668	1,247
1996	3,246	2,124	2,661	1,246
1997	3,198	2,139	2,657	1,243
1998	3,156	2,157	2,658	1,239
1999	3,122	2,178	2,664	1,235
2000	3,093	2,201	2,673	1,231
2005	3,016	2,334	2,735	1,221
2010	2,960	2,473	2,753	1,220
2015	2,885	2,614	2,690	1,210
2020	2,739	2,765	2,588	1,186
2025	2,593	2,935	2,494	1,154
2030	2,492	3,128	2,420	1,121
2035	2,422	3,329	2,354	1,087
2040	2,350	3,509	2,279	1,054
2045	2,261	3,632	2,194	1,019
2050	2,167	3,680	2,110	984
2055	2,085	3,653	2,037	951
2060	2,017	3,576	1,972	920
2065	1,954	3,484	1,908	891
2070	1,890	3,402	1,844	863
2075	1,824	3,338	1,780	835
2080	1,761	3,276	1,721	808

V. RESULTS

A. Total Population

Table 18 gives projections of the Social Security Area population by age group, sex, marital status, and alternative for selected years. The past and projected total population is shown graphically in Chart 4. Under Alternative I (with greater-than-replacement fertility), the total population increases rapidly from 245 million in 1984 to 469 million in 2080. Under Alternative II, the total population increases gradually to 346 million in 2080 as a 2.0 total fertility rate plus 500,000 annual net immigrants are slightly more than enough to replenish the population. Under Alternative III, the total population increases to 288 million in 2024 and then decreases to 233 million in 2080. The decline in population size after 2024 is due to the compounding effect of below-replacement fertility which is only partially offset by the positive net immigration.

CHART 4.--Social Security Area Population (in millions), 1960-2080

Actual and Projected by Alternative

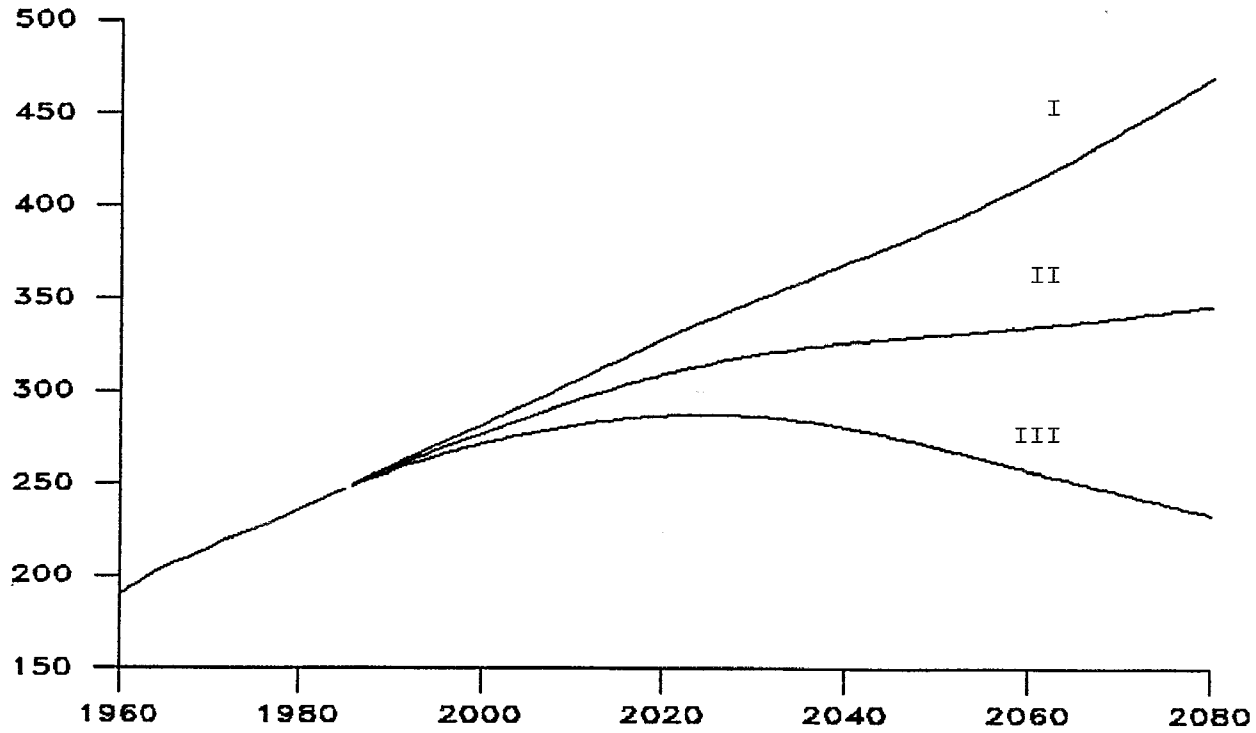


Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status
[In thousands]

Alternative, year, and age group	Total	Sex and marital status									
		Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
1985:											
0-4.....	18,867	9,659	9,659	0	0	0	9,207	9,207	0	0	0
5-9.....	17,488	8,949	8,949	0	0	0	8,540	8,540	0	0	0
10-14.....	17,666	9,044	9,044	1	0	0	8,621	8,618	3	0	0
15-19.....	19,009	9,702	9,548	151	0	3	9,307	8,702	584	1	21
20-24.....	21,941	11,178	8,340	2,637	3	198	10,763	6,237	4,131	11	384
25-29.....	22,554	11,440	4,835	5,941	9	654	11,114	3,254	6,899	56	905
30-34.....	20,905	10,547	2,531	7,024	15	977	10,358	1,567	7,501	88	1,201
35-39.....	18,484	9,282	1,311	6,940	32	998	9,203	792	7,006	133	1,271
40-44.....	14,860	7,434	641	5,905	33	855	7,426	431	5,711	216	1,068
45-49.....	12,129	6,036	431	4,914	55	635	6,094	301	4,713	304	775
50-54.....	11,281	5,551	372	4,576	101	502	5,731	260	4,365	486	620
55-59.....	11,617	5,612	353	4,659	182	418	6,005	261	4,302	866	576
60-64.....	11,229	5,288	317	4,373	278	320	5,941	257	3,878	1,311	494
65-69.....	9,392	4,272	252	3,459	353	207	5,119	241	2,854	1,692	333
70-74.....	7,600	3,230	180	2,514	415	122	4,369	227	1,963	1,967	212
75-79.....	5,550	2,150	99	1,551	439	60	3,400	200	1,079	1,999	122
80-84.....	3,433	1,199	47	756	371	26	2,234	142	469	1,562	60
85-89.....	1,917	563	21	271	258	12	1,354	85	217	1,014	37
90-94.....	768	199	7	67	120	4	569	35	64	454	16
95 and over.....	223	53	2	9	41	1	170	10	10	146	5
0-19.....	73,030	37,355	37,200	152	0	3	35,675	35,067	586	1	21
20-64.....	145,001	72,367	19,131	46,969	710	5,557	72,634	13,361	48,506	3,471	7,296
65 and over.....	28,882	11,666	609	8,627	1,997	433	17,216	940	6,656	8,834	786
20-65.....	147,037	73,308	19,187	47,738	776	5,607	73,729	13,411	49,158	3,785	7,375
20-66.....	148,980	74,196	19,240	48,460	845	5,652	74,784	13,460	49,765	4,113	7,447
20-67.....	150,867	75,063	19,291	49,161	917	5,694	75,804	13,508	50,331	4,452	7,513
20-68.....	152,668	75,875	19,339	49,816	990	5,731	76,792	13,555	50,862	4,802	7,574
20-69.....	154,393	76,639	19,384	50,429	1,063	5,764	77,753	13,602	51,359	5,163	7,629
66 and over.....	26,846	10,725	553	7,858	1,931	383	16,122	890	6,004	8,520	706
67 and over.....	24,903	9,837	500	7,137	1,862	338	15,066	842	5,398	8,193	634
68 and over.....	23,016	8,970	449	6,435	1,790	296	14,046	794	4,831	7,854	568
69 and over.....	21,216	8,158	401	5,781	1,717	259	13,058	746	4,301	7,504	508
70 and over.....	19,491	7,394	356	5,168	1,644	225	12,097	699	3,803	7,142	453
Total.....	246,913	121,388	56,940	55,749	2,707	5,993	125,525	49,369	55,749	12,306	8,102
Alternative I:											
1990:											
0-4.....	19,721	10,090	10,090	0	0	0	9,631	9,631	0	0	0
5-9.....	19,113	9,779	9,779	0	0	0	9,334	9,334	0	0	0
10-14.....	17,768	9,090	9,089	1	0	0	8,678	8,676	2	0	0
15-19.....	17,938	9,171	9,062	108	0	1	8,767	8,303	452	0	11
20-24.....	19,308	9,802	7,552	2,113	1	136	9,506	5,599	3,602	7	298
25-29.....	22,330	11,305	5,071	5,533	5	695	11,025	3,354	6,686	29	956
30-34.....	22,907	11,582	3,244	7,214	13	1,109	11,326	2,154	7,728	77	1,368
35-39.....	21,067	10,600	1,984	7,425	24	1,167	10,467	1,254	7,578	126	1,509
40-44.....	18,509	9,264	1,145	6,916	46	1,157	9,245	707	6,808	203	1,528
45-49.....	14,782	7,359	584	5,765	61	949	7,423	403	5,469	320	1,231
50-54.....	11,946	5,896	398	4,767	93	638	6,050	290	4,455	454	851
55-59.....	10,934	5,307	334	4,355	151	467	5,626	249	4,026	713	638
60-64.....	11,000	5,210	310	4,279	252	369	5,790	244	3,806	1,180	559
65-69.....	10,262	4,679	264	3,784	364	267	5,583	235	3,206	1,675	466
70-74.....	8,160	3,523	192	2,746	422	163	4,637	213	2,152	1,970	302
75-79.....	6,154	2,411	113	1,782	429	87	3,743	187	1,301	2,073	182
80-84.....	4,022	1,383	46	929	370	38	2,639	148	597	1,803	92
85-89.....	2,097	625	16	337	258	15	1,471	86	203	1,142	40
90-94.....	908	221	5	90	120	6	688	37	76	555	20
95 and over.....	293	63	1	18	42	2	229	10	18	194	8
0-19.....	74,540	38,131	38,020	109	0	1	36,410	35,944	454	0	11
20-64.....	152,783	76,324	20,622	48,369	648	6,686	76,459	14,255	50,158	3,108	8,937
65 and over.....	31,896	12,906	637	9,686	2,005	578	18,990	917	7,552	9,411	1,110
20-65.....	154,940	77,321	20,678	49,185	709	6,749	77,619	14,302	50,876	3,397	9,042
20-66.....	157,053	78,292	20,733	49,975	779	6,806	78,761	14,349	51,553	3,717	9,142
20-67.....	159,073	79,211	20,785	50,718	851	6,857	79,862	14,396	52,183	4,049	9,234
20-68.....	161,105	80,131	20,837	51,456	930	6,908	80,973	14,444	52,796	4,411	9,322
20-69.....	163,044	81,003	20,885	52,153	1,011	6,953	82,041	14,490	53,364	4,784	9,404
66 and over.....	29,739	11,909	580	8,870	1,944	516	17,830	869	6,833	9,122	1,005
67 and over.....	27,625	10,938	525	8,080	1,874	459	16,687	822	6,157	8,803	906
68 and over.....	25,606	10,019	473	7,337	1,802	407	15,587	776	5,527	8,470	814
69 and over.....	23,574	9,099	422	6,599	1,723	357	14,475	728	4,913	8,109	725
70 and over.....	21,634	8,227	373	5,902	1,642	311	13,407	681	4,346	7,736	644
Total.....	259,219	127,361	59,279	58,164	2,653	7,265	131,858	51,115	58,164	12,520	10,059

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative I: (Cont.)											
1995:											
0-4.....	19,862	10,163	10,163	0	0	0	9,699	9,699	0	0	0
5-9.....	19,968	10,211	10,211	0	0	0	9,758	9,758	0	0	0
10-14.....	19,392	9,920	9,919	1	0	0	9,472	9,470	3	0	0
15-19.....	18,043	9,219	9,119	99	0	1	8,824	8,397	417	0	10
20-24.....	18,244	9,277	7,156	1,992	1	128	8,968	5,294	3,391	6	277
25-29.....	19,715	9,943	4,530	4,828	4	582	9,773	2,903	6,031	23	815
30-34.....	22,689	11,450	3,450	6,901	11	1,087	11,240	2,178	7,684	55	1,323
35-39.....	23,064	11,630	2,548	7,809	23	1,251	11,434	1,691	8,045	114	1,584
40-44.....	21,080	10,573	1,713	7,554	41	1,265	10,506	1,101	7,511	193	1,702
45-49.....	18,393	9,165	1,033	6,861	74	1,198	9,229	654	6,591	316	1,668
50-54.....	14,551	7,189	536	5,662	103	887	7,363	386	5,218	481	1,277
55-59.....	11,594	5,650	358	4,591	142	559	5,944	278	4,145	675	847
60-64.....	10,380	4,947	295	4,043	214	395	5,433	234	3,578	1,011	610
65-69.....	10,070	4,628	259	3,727	340	301	5,442	224	3,148	1,549	521
70-74.....	8,927	3,870	202	3,012	450	206	5,057	208	2,414	2,018	416
75-79.....	6,631	2,641	121	1,956	451	113	3,990	177	1,426	2,132	255
80-84.....	4,489	1,558	52	1,072	381	52	2,932	140	719	1,937	136
85-89.....	2,496	725	15	431	258	21	1,770	91	265	1,353	61
90-94.....	1,011	248	4	106	131	7	762	39	64	638	22
95 and over.....	361	73	1	22	47	2	288	11	19	248	10
0-19.....	77,266	39,513	39,412	100	0	1	37,753	37,324	419	0	10
20-64.....	159,712	79,822	21,619	50,240	613	7,350	79,890	14,720	52,194	2,873	10,103
65 and over.....	33,984	13,744	655	10,327	2,059	703	20,240	890	8,054	9,874	1,421
20-65.....	161,786	80,798	21,675	51,034	668	7,421	80,988	14,766	52,874	3,134	10,214
20-66.....	163,833	81,750	21,729	51,802	735	7,484	82,083	14,811	53,519	3,433	10,321
20-67.....	165,880	82,692	21,782	52,559	806	7,545	83,188	14,856	54,154	3,751	10,426
20-68.....	167,861	83,590	21,831	53,280	879	7,600	84,271	14,901	54,762	4,081	10,527
20-69.....	169,782	84,450	21,878	53,968	953	7,651	85,332	14,944	55,342	4,422	10,624
66 and over.....	31,910	12,768	599	9,534	2,003	632	19,142	844	7,375	9,614	1,310
67 and over.....	29,863	11,816	545	8,765	1,937	569	18,047	799	6,729	9,315	1,203
68 and over.....	27,816	10,874	492	8,008	1,866	508	16,942	753	6,094	8,997	1,098
69 and over.....	25,835	9,976	442	7,288	1,793	453	15,859	709	5,486	8,667	997
70 and over.....	23,914	9,115	395	6,600	1,719	402	14,799	666	4,906	8,325	901
Total.....	270,962	133,078	61,685	60,667	2,672	8,054	137,883	52,933	60,667	12,748	1 1,535
2000:											
0-4.....	19,884	10,175	10,175	0	0	0	9,709	9,709	0	0	0
5-9.....	20,111	10,284	10,284	0	0	0	9,827	9,827	0	0	0
10-14.....	20,248	10,352	10,351	1	0	0	9,897	9,894	3	0	0
15-19.....	19,665	10,047	9,936	110	0	1	9,618	9,158	448	0	11
20-24.....	18,352	9,326	7,230	1,973	1	123	9,026	5,481	3,276	5	264
25-29.....	18,660	9,423	4,302	4,566	4	552	9,237	2,737	5,707	21	771
30-34.....	20,093	10,101	3,053	6,105	9	934	9,992	1,828	6,983	46	1,135
35-39.....	22,855	11,504	2,729	7,535	21	1,219	11,351	1,692	8,063	95	1,502
40-44.....	23,071	11,599	2,201	8,007	41	1,350	11,472	1,464	8,081	183	1,744
45-49.....	20,943	10,460	1,537	7,563	71	1,288	10,483	1,008	7,348	308	1,818
50-54.....	18,097	8,951	943	6,794	120	1,094	9,145	622	6,334	495	1,694
55-59.....	14,124	6,895	482	5,493	160	760	7,229	368	4,890	724	1,247
60-64.....	11,028	5,283	316	4,301	205	461	5,744	261	3,711	972	800
65-69.....	9,519	4,410	248	3,551	297	314	5,109	215	2,967	1,365	562
70-74.....	8,771	3,840	199	2,982	430	228	4,930	198	2,368	1,904	460
75-79.....	7,273	2,908	128	2,153	488	140	4,364	174	1,598	2,244	348
80-84.....	4,865	1,713	56	1,184	407	65	3,152	134	789	2,040	190
85-89.....	2,813	820	18	500	274	28	1,993	88	317	1,498	90
90-94.....	1,228	291	4	142	135	10	938	42	86	775	35
95 and over.....	416	84	1	25	55	3	333	12	15	294	12
0-19.....	79,909	40,858	40,746	111	0	1	39,050	38,588	451	0	11
20-64.....	167,223	83,542	22,793	52,338	632	7,780	83,680	15,463	54,395	2,848	10,974
65 and over.....	34,884	14,066	654	10,537	2,087	788	20,818	862	8,140	10,119	1,697
20-65.....	169,235	84,492	22,847	53,110	680	7,856	84,743	15,509	55,057	3,074	11,103
20-66.....	171,139	85,383	22,898	53,830	736	7,920	85,756	15,552	55,656	3,332	11,216
20-67.....	173,001	86,245	22,946	54,524	795	7,979	86,756	15,594	56,233	3,604	11,325
20-68.....	174,868	87,102	22,994	55,210	860	8,038	87,767	15,636	56,802	3,898	11,431
20-69.....	176,742	87,953	23,040	55,889	929	8,094	88,789	15,678	57,362	4,213	11,536
66 and over.....	32,872	13,116	599	9,765	2,039	713	19,756	817	7,478	9,894	1,568
67 and over.....	30,968	12,226	548	9,045	1,983	649	18,743	774	6,879	9,636	1,455
68 and over.....	29,106	11,363	500	8,351	1,923	589	17,743	732	6,302	9,363	1,346
69 and over.....	27,239	10,507	452	7,665	1,859	531	16,732	690	5,733	9,070	1,240
70 and over.....	25,365	9,656	406	6,986	1,790	474	15,710	647	5,173	8,754	1,135
Total.....	282,016	138,467	64,192	62,986	2,719	8,570	143,549	54,913	62,986	12,968	12,682

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative I: (Cont.)											
2020:											
0-4	23,818	12,189	12,189	0	0	0	11,629	11,629	0	0	0
5-9	23,525	12,033	12,033	0	0	0	11,493	11,493	0	0	0
10-14	22,609	11,562	11,561	1	0	0	11,048	11,045	3	0	0
15-19	21,428	10,945	10,824	120	0	1	10,483	9,977	494	0	12
20-24	20,990	10,668	8,253	2,272	1	143	10,322	6,239	3,771	6	306
25-29	21,371	10,794	4,911	5,252	4	628	10,577	3,286	6,394	22	875
30-34	21,603	10,875	3,246	6,623	9	998	10,728	2,123	7,334	46	1,225
35-39	20,943	10,519	2,409	7,031	16	1,063	10,424	1,572	7,433	81	1,337
40-44	19,402	9,711	1,875	6,764	29	1,043	9,691	1,184	7,037	139	1,330
45-49	19,193	9,572	1,732	6,721	58	1,061	9,621	1,009	6,977	253	1,382
50-54	19,898	9,843	1,681	7,016	112	1,034	10,055	997	7,141	461	1,456
55-59	21,683	10,649	1,735	7,665	215	1,034	11,034	1,161	7,405	847	1,622
60-64	20,782	10,073	1,418	7,450	337	868	10,709	1,097	6,680	1,314	1,618
65-69	17,447	8,225	926	6,218	456	626	9,222	769	5,204	1,789	1,460
70-74	13,417	6,031	487	4,562	552	431	7,386	451	3,546	2,193	1,195
75-79	8,770	3,685	182	2,755	519	229	5,185	240	1,939	2,246	760
80-84	5,414	1,988	64	1,418	409	97	3,426	140	896	1,997	393
85-89	3,243	993	21	629	299	44	2,250	81	365	1,599	205
90-94	1,743	429	6	219	184	20	1,314	40	120	1,044	110
95 and over	798	156	1	54	93	7	643	14	28	546	55
0-19	91,381	46,728	46,606	121	0	1	44,653	44,143	497	0	12
20-64	185,865	92,704	27,261	56,792	781	7,871	93,161	18,668	60,171	3,171	11,151
65 and over	50,932	21,507	1,686	15,855	2,512	1,454	29,425	1,735	12,099	11,413	4,178
20-65	189,677	94,528	27,489	58,162	860	8,017	95,149	18,854	61,346	3,482	11,468
20-66	193,337	96,264	27,696	59,469	950	8,149	97,073	19,024	62,450	3,840	11,759
20-67	196,832	97,912	27,880	60,715	1,043	8,274	98,920	19,177	63,490	4,206	12,046
20-68	200,156	99,468	28,042	61,897	1,140	8,390	100,688	19,312	64,465	4,579	12,331
20-69	203,312	100,930	28,186	63,010	1,237	8,497	102,383	19,437	65,375	4,960	12,611
66 and over	47,119	19,683	1,457	14,485	2,433	1,309	27,436	1,549	10,924	11,103	3,861
67 and over	43,459	17,947	1,250	13,178	2,343	1,176	25,513	1,379	9,820	10,744	3,570
68 and over	39,965	16,299	1,066	11,932	2,249	1,052	23,666	1,226	8,780	10,378	3,282
69 and over	36,641	14,743	905	10,750	2,153	935	21,898	1,091	7,805	10,005	2,997
70 and over	33,484	13,281	760	9,637	2,056	828	20,203	966	6,895	9,624	2,718
Total	328,177	160,939	75,552	72,767	3,293	9,327	167,238	64,546	72,767	14,584	15,341
2040:											
0-4	27,255	13,948	13,948	0	0	0	13,306	13,306	0	0	0
5-9	26,397	13,503	13,503	0	0	0	12,894	12,894	0	0	0
10-14	25,583	13,084	13,083	1	0	0	12,499	12,496	3	0	0
15-19	25,078	12,812	12,669	141	0	2	12,266	11,669	583	0	14
20-24	24,897	12,664	9,799	2,695	1	169	12,233	7,425	4,441	7	360
25-29	24,755	12,520	5,676	6,113	4	726	12,235	3,852	7,349	25	1,009
30-34	23,938	12,066	3,543	7,413	9	1,102	11,872	2,348	8,122	49	1,353
35-39	22,687	11,403	2,561	7,682	17	1,143	11,284	1,661	8,096	84	1,443
40-44	21,994	11,021	2,143	7,657	32	1,189	10,973	1,353	7,943	150	1,526
45-49	21,848	10,906	1,945	7,678	62	1,220	10,942	1,236	7,819	272	1,616
50-54	21,377	10,599	1,761	7,624	114	1,101	10,778	1,180	7,516	478	1,604
55-59	19,984	9,807	1,500	7,233	183	891	10,177	1,071	6,853	786	1,466
60-64	17,638	8,526	1,195	6,409	264	658	9,112	876	5,835	1,176	1,225
65-69	16,112	7,602	1,040	5,647	402	513	8,510	756	4,944	1,737	1,073
70-74	14,893	6,728	874	4,851	585	419	8,166	708	4,051	2,416	991
75-79	13,757	5,799	670	4,011	781	337	7,958	744	3,075	3,169	968
80-84	10,434	3,938	321	2,635	779	202	6,496	598	1,822	3,284	792
85-89	6,258	2,002	94	1,243	566	97	4,257	311	795	2,609	542
90-94	2,931	766	18	405	303	40	2,165	105	238	1,520	302
95 and over	1,140	239	2	91	133	13	901	23	45	698	135
0-19	104,313	53,347	53,203	143	0	2	50,966	50,365	587	0	14
20-64	199,120	99,513	30,123	60,504	687	8,199	99,607	21,003	63,974	3,028	11,602
65 and over	65,526	27,074	3,020	18,883	3,549	1,621	38,452	3,245	14,969	15,434	4,804
20-65	202,367	101,064	30,333	61,672	753	8,307	101,302	21,152	65,012	3,319	11,820
20-66	205,506	102,553	30,530	62,792	823	8,408	102,953	21,293	66,004	3,629	12,028
20-67	208,648	104,032	30,727	63,898	900	8,506	104,615	21,436	66,977	3,967	12,236
20-68	211,850	105,541	30,936	65,011	988	8,606	106,309	21,586	67,937	4,340	12,447
20-69	215,232	107,115	31,163	66,151	1,089	8,712	108,117	21,759	68,918	4,765	12,675
66 and over	62,279	25,522	2,811	17,716	3,483	1,513	36,756	3,096	13,932	15,143	4,586
67 and over	59,139	24,034	2,614	16,595	3,413	1,412	35,106	2,955	12,939	14,833	4,378
68 and over	55,998	22,554	2,416	15,489	3,336	1,313	33,444	2,812	11,967	14,495	4,170
69 and over	52,795	21,045	2,207	14,376	3,248	1,213	31,750	2,662	11,006	14,122	3,959
70 and over	49,413	19,471	1,980	13,236	3,147	1,108	29,942	2,489	10,025	13,697	3,731
Total	368,958	179,933	86,346	79,530	4,236	9,821	189,025	74,613	79,530	18,462	16,420

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative I: (Cont.)											
2060:											
0-4.....	30,810	15,769	15,769	0	0	0	15,041	15,041	0	0	0
5-9.....	30,023	15,359	15,359	0	0	0	14,664	14,664	0	0	0
10-14.....	29,438	15,057	15,056	1	0	0	14,381	14,377	4	0	0
15-19.....	28,928	14,781	14,617	163	0	2	14,147	13,462	668	0	16
20-24.....	28,315	14,410	11,153	3,064	1	192	13,905	8,459	5,030	7	408
25-29.....	27,604	13,973	6,319	6,840	5	810	13,631	4,254	8,229	27	1,122
30-34.....	26,879	13,563	3,980	8,334	10	1,240	13,315	2,562	9,188	53	1,512
35-39.....	26,283	13,230	2,992	8,881	20	1,337	13,053	1,891	9,400	93	1,669
40-44.....	25,832	12,968	2,523	8,993	37	1,415	12,864	1,596	9,301	168	1,799
45-49.....	25,157	12,582	2,207	8,890	70	1,415	12,575	1,437	8,970	298	1,870
50-54.....	23,648	11,751	1,891	8,524	122	1,214	11,898	1,291	8,329	504	1,774
55-59.....	21,663	10,653	1,582	7,920	193	958	11,010	1,124	7,490	814	1,581
60-64.....	20,017	9,708	1,371	7,287	293	757	10,310	1,003	6,637	1,262	1,408
65-69.....	18,450	8,746	1,184	6,513	446	603	9,704	931	5,643	1,859	1,273
70-74.....	16,174	7,361	930	5,365	611	455	8,812	848	4,369	2,483	1,113
75-79.....	12,964	5,506	596	3,913	699	299	7,458	701	2,931	2,928	899
80-84.....	9,176	3,495	284	2,393	652	165	5,681	490	1,625	2,938	628
85-89.....	6,034	1,959	115	1,217	536	91	4,076	312	765	2,574	425
90-94.....	3,504	941	39	490	364	48	2,563	175	289	1,822	278
95 and over.....	2,143	465	11	166	260	27	1,678	88	86	1,272	231
0-19.....	119,199	60,966	60,800	164	0	2	58,233	57,545	672	0	16
20-64.....	225,397	112,838	34,017	68,732	750	9,338	112,559	23,616	72,574	3,226	13,143
65 and over.....	68,446	28,473	3,159	20,057	3,569	1,689	39,973	3,544	15,707	15,875	4,846
20-65.....	229,222	114,672	34,270	70,105	826	9,471	114,551	23,807	73,790	3,546	13,408
20-66.....	232,985	116,467	34,515	71,446	908	9,598	116,519	23,995	74,964	3,891	13,668
20-67.....	236,681	118,219	34,753	72,752	997	9,718	118,462	24,181	76,095	4,262	13,923
20-68.....	240,305	119,927	34,982	74,019	1,093	9,833	120,378	24,365	77,180	4,660	14,173
20-69.....	243,848	121,584	35,201	75,245	1,196	9,942	122,264	24,547	78,217	5,084	14,416
66 and over.....	64,621	26,639	2,906	18,684	3,493	1,557	37,981	3,354	14,491	15,555	4,581
67 and over.....	60,858	24,845	2,660	17,343	3,411	1,430	36,013	3,165	13,317	15,210	4,321
68 and over.....	57,162	23,092	2,423	16,037	3,322	1,309	34,070	2,979	12,186	14,839	4,066
69 and over.....	53,538	21,385	2,194	14,770	3,226	1,195	32,154	2,795	11,101	14,441	3,817
70 and over.....	49,995	19,727	1,974	13,544	3,123	1,086	30,268	2,614	10,064	14,017	3,573
Total.....	413,042	202,277	97,976	88,953	4,319	11,029	210,765	84,706	88,953	19,101	18,006
2080:											
0-4.....	34,925	17,876	17,876	0	0	0	17,050	17,050	0	0	0
5-9.....	34,161	17,477	17,477	0	0	0	16,684	16,684	0	0	0
10-14.....	33,455	17,113	17,112	2	0	0	16,342	16,338	4	0	0
15-19.....	32,671	16,696	16,511	183	0	2	15,975	15,203	753	0	18
20-24.....	31,851	16,217	12,551	3,449	1	216	15,634	9,494	5,673	8	459
25-29.....	31,201	15,808	7,149	7,737	5	917	15,393	4,764	9,333	29	1,267
30-34.....	30,689	15,504	4,552	9,520	11	1,420	15,186	2,897	10,507	58	1,723
35-39.....	30,078	15,159	3,420	10,179	22	1,538	14,919	2,154	10,754	102	1,908
40-44.....	29,194	14,676	2,827	10,203	41	1,605	14,519	1,785	10,524	182	2,028
45-49.....	27,952	14,000	2,421	9,929	76	1,575	13,951	1,547	10,025	319	2,061
50-54.....	26,500	13,193	2,116	9,572	135	1,370	13,307	1,385	9,410	545	1,968
55-59.....	25,069	12,363	1,857	9,152	220	1,135	12,706	1,269	8,714	902	1,822
60-64.....	23,530	11,456	1,626	8,572	340	918	12,074	1,178	7,825	1,412	1,660
65-69.....	21,338	10,167	1,357	7,591	506	714	11,171	1,082	6,558	2,052	1,479
70-74.....	18,063	8,279	1,014	6,084	668	512	9,784	932	4,942	2,671	1,240
75-79.....	14,289	6,127	647	4,391	755	333	8,162	744	3,308	3,125	985
80-84.....	10,669	4,120	343	2,827	749	201	6,550	572	1,949	3,288	741
85-89.....	7,258	2,411	147	1,510	637	117	4,847	405	965	2,945	532
90-94.....	4,100	1,135	47	605	423	59	2,965	226	359	2,042	338
95 and over.....	2,334	520	12	198	281	30	1,814	98	101	1,374	241
0-19.....	135,212	69,162	68,975	185	0	2	66,050	65,274	757	0	18
20-64.....	256,064	128,376	38,519	78,313	851	10,694	127,688	26,472	82,764	3,556	14,896
65 and over.....	78,052	32,758	3,567	23,206	4,019	1,966	45,294	4,059	18,183	17,498	5,554
20-65.....	260,537	130,530	38,814	79,926	938	10,853	130,007	26,697	84,189	3,912	15,208
20-66.....	264,914	132,628	39,097	81,495	1,031	11,004	132,286	26,917	85,561	4,296	15,512
20-67.....	269,189	134,665	39,369	83,017	1,132	11,147	134,523	27,134	86,875	4,706	15,809
20-68.....	273,354	136,638	39,629	84,488	1,241	11,281	136,715	27,346	88,129	5,143	16,096
20-69.....	277,403	138,543	39,876	85,904	1,356	11,408	138,860	27,554	89,322	5,608	16,375
66 and over.....	73,580	30,604	3,272	21,593	3,932	1,807	42,975	3,835	16,757	17,141	5,242
67 and over.....	69,202	28,506	2,988	20,024	3,839	1,656	40,696	3,614	15,386	16,758	4,938
68 and over.....	64,927	26,469	2,716	18,502	3,738	1,513	38,459	3,397	14,071	16,348	4,642
69 and over.....	60,763	24,496	2,457	17,031	3,629	1,379	36,267	3,185	12,817	15,911	4,354
70 and over.....	56,714	22,591	2,210	15,615	3,514	1,252	34,123	2,977	11,625	15,446	4,075
Total.....	469,329	230,296	111,061	101,704	4,870	12,662	239,033	95,806	101,704	21,054	20,469

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative II:											
1990:											
0-4.....	19,306	9,879	9,879	0	0	0	9,427	9,427	0	0	0
5-9.....	19,034	9,740	9,740	0	0	0	9,294	9,294	0	0	0
10-14.....	17,684	9,047	9,046	1	0	0	8,637	8,634	2	0	0
15-19.....	17,848	9,127	9,018	108	0	1	8,721	8,260	450	0	11
20-24.....	19,198	9,755	7,513	2,106	1	136	9,442	5,549	3,591	6	296
25-29.....	22,185	11,242	5,027	5,520	5	691	10,942	3,298	6,670	28	946
30-34.....	22,771	11,514	3,200	7,201	13	1,100	11,256	2,115	7,717	75	1,351
35-39.....	20,984	10,559	1,959	7,418	23	1,158	10,425	1,236	7,574	122	1,493
40-44.....	18,458	9,240	1,132	6,914	45	1,148	9,218	699	6,808	198	1,513
45-49.....	14,747	7,344	578	5,766	59	941	7,403	399	5,472	314	1,220
50-54.....	11,921	5,886	393	4,770	91	632	6,034	287	4,461	445	842
55-59.....	10,918	5,304	331	4,361	149	463	5,614	247	4,034	701	632
60-64.....	10,994	5,212	308	4,289	248	367	5,782	243	3,817	1,166	556
65-69.....	10,265	4,686	263	3,798	359	266	5,579	235	3,219	1,660	465
70-74.....	8,174	3,533	192	2,760	418	163	4,641	213	2,165	1,961	302
75-79.....	6,178	2,423	113	1,795	427	88	3,755	188	1,313	2,071	183
80-84.....	4,051	1,395	46	940	370	39	2,656	149	605	1,810	93
85-89.....	2,122	634	16	343	259	15	1,488	88	207	1,153	40
90-94.....	925	225	5	92	122	6	700	38	78	564	21
95 and over.....	300	65	1	19	44	2	235	10	18	199	8
0-19.....	73,872	37,792	37,682	109	0	1	36,080	35,615	453	0	11
20-64.....	152,174	76,056	20,440	48,345	634	6,636	76,118	14,072	50,143	3,055	8,848
65 and over.....	32,016	12,962	637	9,747	1,999	579	19,054	920	7,605	9,417	1,112
20-65.....	154,331	77,054	20,497	49,164	694	6,699	77,277	14,119	50,864	3,341	8,953
20-66.....	156,445	78,026	20,551	49,956	763	6,756	78,419	14,166	51,544	3,657	9,052
20-67.....	158,465	78,947	20,603	50,702	835	6,807	79,518	14,212	52,176	3,987	9,143
20-68.....	160,498	79,868	20,654	51,443	913	6,857	80,630	14,260	52,792	4,346	9,232
20-69.....	162,439	80,742	20,703	52,143	993	6,903	81,697	14,306	53,363	4,715	9,313
66 and over.....	29,859	11,964	581	8,928	1,938	517	17,895	873	6,884	9,131	1,007
67 and over.....	27,745	10,991	526	8,136	1,870	460	16,754	826	6,205	8,815	908
68 and over.....	25,725	10,071	474	7,391	1,798	408	15,654	779	5,572	8,485	816
69 and over.....	23,692	9,150	423	6,649	1,720	358	14,542	732	4,956	8,127	728
70 and over.....	21,751	8,276	374	5,949	1,640	312	13,475	685	4,386	7,757	647
Total.....	258,062	126,810	58,760	58,201	2,633	7,216	131,252	50,607	58,201	12,472	9,971
1995:											
0-4.....	18,735	9,588	9,588	0	0	0	9,147	9,147	0	0	0
5-9.....	19,477	9,961	9,961	0	0	0	9,516	9,516	0	0	0
10-14.....	19,230	9,839	9,838	1	0	0	9,392	9,389	3	0	0
15-19.....	17,871	9,133	9,034	98	0	1	8,738	8,315	413	0	10
20-24.....	18,048	9,187	7,085	1,975	1	127	8,860	5,217	3,364	5	274
25-29.....	19,462	9,835	4,467	4,789	4	576	9,627	2,822	5,983	22	801
30-34.....	22,411	11,322	3,380	6,856	10	1,076	11,089	2,102	7,636	52	1,299
35-39.....	22,853	11,527	2,492	7,772	21	1,241	11,327	1,642	8,018	107	1,559
40-44.....	20,958	10,516	1,682	7,539	38	1,257	10,443	1,076	7,505	182	1,679
45-49.....	18,324	9,135	1,017	6,860	69	1,190	9,189	643	6,599	300	1,647
50-54.....	14,509	7,175	528	5,670	97	881	7,334	379	5,235	460	1,260
55-59.....	11,572	5,650	352	4,607	135	555	5,922	273	4,168	647	834
60-64.....	10,383	4,962	292	4,071	206	394	5,421	231	3,611	975	603
65-69.....	10,104	4,660	259	3,769	331	302	5,444	222	3,192	1,511	518
70-74.....	8,994	3,914	203	3,063	440	208	5,079	208	2,464	1,990	418
75-79.....	6,721	2,689	123	2,004	445	116	4,032	179	1,469	2,125	259
80-84.....	4,597	1,603	55	1,113	381	54	2,994	143	752	1,958	140
85-89.....	2,596	760	17	457	264	22	1,836	96	282	1,395	64
90-94.....	1,073	266	4	116	138	8	807	41	69	672	24
95 and over.....	394	80	1	25	52	2	314	12	21	270	11
0-19.....	75,314	38,521	38,421	99	0	1	36,793	36,367	415	0	10
20-64.....	158,521	79,310	21,295	50,138	581	7,296	79,211	14,385	52,119	2,750	9,957
65 and over.....	34,479	13,973	662	10,547	2,051	713	20,506	902	8,249	9,921	1,434
20-65.....	160,600	80,291	21,351	50,938	635	7,367	80,308	14,431	52,807	3,003	10,067
20-66.....	162,653	81,249	21,405	51,715	699	7,430	81,403	14,476	53,461	3,293	10,173
20-67.....	164,706	82,198	21,458	52,481	768	7,491	82,508	14,521	54,105	3,604	10,278
20-68.....	166,695	83,103	21,507	53,210	839	7,547	83,592	14,565	54,722	3,926	10,379
20-69.....	168,625	83,970	21,554	53,907	911	7,598	84,655	14,608	55,312	4,260	10,475
66 and over.....	32,401	12,991	606	9,746	1,998	642	19,409	857	7,561	9,668	1,323
67 and over.....	30,348	12,034	552	8,970	1,933	579	18,314	812	6,907	9,377	1,218
68 and over.....	28,294	11,085	499	8,204	1,864	518	17,209	767	6,263	9,067	1,113
69 and over.....	26,305	10,180	450	7,475	1,793	462	16,125	723	5,646	8,744	1,012
70 and over.....	24,375	9,313	403	6,778	1,721	411	15,062	680	5,057	8,410	916
Total.....	268,314	131,804	60,378	60,784	2,632	8,010	136,510	51,655	60,784	12,671	11,401

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative II: (Cont.)											
2000:											
0-4.....	18,136	9,282	9,282	0	0	0	8,854	8,854	0	0	0
5-9.....	18,910	9,673	9,673	0	0	0	9,237	9,237	0	0	0
10-14.....	19,675	10,061	10,060	1	0	0	9,614	9,611	3	0	0
15-19.....	19,417	9,924	9,814	109	0	1	9,493	9,039	443	0	11
20-24.....	18,075	9,197	7,128	1,947	1	121	8,878	5,380	3,234	5	259
25-29.....	18,322	9,274	4,222	4,506	3	543	9,048	2,642	5,632	19	754
30-34.....	19,710	9,930	2,973	6,028	8	920	9,780	1,738	6,896	41	1,105
35-39.....	22,508	11,344	2,656	7,460	18	1,208	11,165	1,614	7,994	85	1,471
40-44.....	22,832	11,486	2,147	7,958	36	1,345	11,346	1,413	8,052	166	1,716
45-49.....	20,818	10,407	1,508	7,549	63	1,287	10,412	982	7,354	282	1,793
50-54.....	18,040	8,937	929	6,805	110	1,094	9,103	609	6,364	459	1,671
55-59.....	14,106	6,906	476	5,522	149	760	7,201	361	4,935	677	1,228
60-64.....	11,044	5,315	312	4,347	194	462	5,728	256	3,769	916	787
65-69.....	9,581	4,467	247	3,619	284	318	5,114	212	3,041	1,304	557
70-74.....	8,897	3,926	202	3,073	416	234	4,972	198	2,458	1,852	464
75-79.....	7,455	3,009	133	2,250	479	147	4,446	177	1,687	2,225	357
80-84.....	5,073	1,807	61	1,265	409	71	3,267	139	855	2,073	200
85-89.....	3,017	893	20	555	286	31	2,124	95	356	1,575	98
90-94.....	1,368	330	5	166	148	11	1,038	47	100	852	39
95 and over.....	493	100	1	31	65	3	392	14	19	345	14
0-19.....	76,139	38,941	38,830	110	0	1	37,198	36,741	446	0	11
20-64.....	165,456	82,795	22,351	52,122	581	7,741	82,661	14,995	54,231	2,650	10,785
65 and over.....	35,884	14,532	669	10,960	2,088	815	21,353	883	8,515	10,225	1,729
20-65.....	167,477	83,755	22,406	52,906	626	7,817	83,722	15,040	54,906	2,863	10,912
20-66.....	169,390	84,655	22,456	53,638	679	7,881	84,735	15,082	55,520	3,109	11,024
20-67.....	171,264	85,529	22,504	54,346	736	7,942	85,735	15,124	56,111	3,369	11,132
20-68.....	173,146	86,397	22,552	55,046	798	8,001	86,749	15,166	56,696	3,650	11,238
20-69.....	175,037	87,262	22,599	55,741	864	8,059	87,775	15,207	57,272	3,953	11,342
66 and over.....	33,864	13,572	614	10,176	2,043	739	20,291	838	7,840	10,011	1,602
67 and over.....	31,950	12,671	564	9,444	1,989	674	19,278	796	7,227	9,766	1,490
68 and over.....	30,076	11,798	516	8,736	1,932	614	18,278	755	6,635	9,506	1,382
69 and over.....	28,194	10,929	468	8,036	1,871	555	17,265	713	6,050	9,225	1,276
70 and over.....	26,303	10,065	422	7,341	1,804	497	16,238	671	5,474	8,921	1,172
Total.....	277,479	136,267	61,850	63,192	2,669	8,557	141,211	52,620	63,192	12,875	12,525
2020:											
0-4.....	19,305	9,881	9,881	0	0	0	9,424	9,424	0	0	0
5-9.....	19,523	9,988	9,988	0	0	0	9,535	9,535	0	0	0
10-14.....	19,264	9,854	9,853	1	0	0	9,410	9,408	3	0	0
15-19.....	18,814	9,614	9,507	106	0	1	9,200	8,746	442	0	11
20-24.....	18,913	9,625	7,444	2,051	1	129	9,288	5,563	3,441	5	278
25-29.....	19,779	10,013	4,566	4,860	3	584	9,766	2,956	5,983	19	808
30-34.....	20,585	10,390	3,113	6,310	7	960	10,196	1,951	7,046	39	1,159
35-39.....	20,262	10,206	2,333	6,814	13	1,045	10,056	1,466	7,238	68	1,285
40-44.....	18,764	9,422	1,797	6,574	23	1,027	9,342	1,090	6,861	116	1,275
45-49.....	18,637	9,329	1,666	6,563	47	1,053	9,309	925	6,842	212	1,329
50-54.....	19,464	9,670	1,631	6,903	94	1,042	9,794	920	7,071	392	1,411
55-59.....	21,446	10,586	1,711	7,627	187	1,061	10,860	1,095	7,439	735	1,591
60-64.....	20,794	10,145	1,418	7,520	302	905	10,649	1,057	6,825	1,166	1,602
65-69.....	17,694	8,424	943	6,398	419	664	9,270	754	5,430	1,626	1,460
70-74.....	13,828	6,308	508	4,813	521	467	7,520	451	3,805	2,050	1,213
75-79.....	9,331	3,963	196	3,004	506	257	5,368	244	2,164	2,170	790
80-84.....	5,882	2,231	74	1,623	418	115	3,652	148	1,059	2,018	427
85-89.....	3,716	1,192	27	777	330	57	2,524	91	469	1,728	237
90-94.....	2,163	566	8	303	226	28	1,598	50	171	1,239	138
95 and over.....	1,158	239	2	89	136	12	920	21	47	773	79
0-19.....	76,907	39,338	39,229	107	0	1	37,569	37,113	445	0	11
20-64.....	178,644	89,385	25,679	55,223	677	7,805	89,260	17,023	58,747	2,752	10,738
65 and over.....	53,773	22,922	1,759	17,006	2,556	1,600	30,851	1,758	13,144	11,604	4,344
20-65.....	182,490	91,239	25,911	56,621	749	7,959	91,250	17,205	59,961	3,030	11,054
20-66.....	186,191	93,012	26,121	57,961	831	8,099	93,180	17,372	61,110	3,354	11,344
20-67.....	189,736	94,700	26,309	59,243	917	8,231	95,036	17,522	62,196	3,687	11,631
20-68.....	193,117	96,300	26,474	60,465	1,006	8,355	96,818	17,654	63,219	4,028	11,917
20-69.....	196,338	97,809	26,622	61,621	1,096	8,469	98,530	17,778	64,177	4,377	12,198
66 and over.....	49,928	21,067	1,528	15,608	2,485	1,446	28,861	1,577	11,930	11,325	4,028
67 and over.....	46,226	19,295	1,318	14,268	2,403	1,306	26,931	1,410	10,781	11,001	3,738
68 and over.....	42,681	17,607	1,130	12,986	2,317	1,174	25,074	1,260	9,695	10,668	3,451
69 and over.....	39,300	16,007	965	11,764	2,228	1,050	23,293	1,127	8,672	10,328	3,165
70 and over.....	36,079	14,498	816	10,608	2,137	936	21,581	1,004	7,714	9,979	2,885
Total.....	309,324	151,644	66,668	72,336	3,234	9,406	157,680	55,894	72,336	14,356	15,093

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative II: (Cont.)											
2040:											
0-4	19,697	10,082	10,082	0	0	0	9,615	9,615	0	0	0
5-9	19,590	10,023	10,023	0	0	0	9,567	9,567	0	0	0
10-14	19,523	9,987	9,986	1	0	0	9,536	9,533	3	0	0
15-19	19,693	10,065	9,951	112	0	1	9,629	9,150	467	0	11
20-24	20,084	10,225	7,911	2,176	1	137	9,859	5,940	3,621	5	293
25-29	20,399	10,333	4,700	5,029	3	601	10,067	3,102	6,116	18	830
30-34	20,201	10,201	3,019	6,239	6	937	9,999	1,900	6,931	36	1,132
35-39	19,694	9,922	2,256	6,644	12	1,009	9,772	1,364	7,109	62	1,237
40-44	19,610	9,855	1,942	6,803	23	1,087	9,755	1,128	7,174	113	1,340
45-49	20,095	10,066	1,824	7,036	46	1,160	10,028	1,060	7,294	211	1,463
50-54	20,366	10,145	1,718	7,240	89	1,098	10,220	1,060	7,267	384	1,509
55-59	19,448	9,608	1,488	7,051	150	918	9,841	988	6,792	651	1,410
60-64	17,290	8,435	1,184	6,342	223	685	8,855	805	5,877	992	1,182
65-69	16,049	7,671	1,053	5,720	350	548	8,378	701	5,118	1,508	1,051
70-74	15,204	6,994	916	5,085	528	465	8,210	674	4,360	2,177	998
75-79	14,551	6,296	748	4,410	741	397	8,255	744	3,495	2,993	1,022
80-84	11,569	4,537	394	3,096	790	257	7,032	633	2,225	3,287	888
85-89	7,421	2,514	133	1,612	632	136	4,907	355	1,070	2,831	651
90-94	3,827	1,082	30	603	386	63	2,744	134	365	1,850	395
95 and over	1,816	413	5	168	215	25	1,403	38	85	1,071	209
0-19	78,503	40,157	40,042	113	0	1	38,346	37,865	469	0	11
20-64	177,187	88,790	26,042	54,561	553	7,633	88,397	17,347	58,182	2,472	10,396
65 and over	70,436	29,506	3,279	20,695	3,643	1,890	40,930	3,279	16,718	15,718	5,215
20-65	180,392	90,339	26,251	55,731	610	7,748	90,053	17,484	59,242	2,721	10,607
20-66	183,500	91,831	26,448	56,858	670	7,854	91,670	17,613	60,260	2,987	10,809
20-67	186,625	93,321	26,648	57,977	738	7,959	93,304	17,745	61,267	3,280	11,012
20-68	189,829	94,852	26,860	59,111	814	8,067	94,977	17,884	62,268	3,605	11,220
20-69	193,236	96,461	27,095	60,281	903	8,181	96,775	18,048	63,300	3,980	11,447
66 and over	67,231	27,957	3,070	19,525	3,586	1,775	39,274	3,142	15,658	15,470	5,005
67 and over	64,123	26,465	2,873	18,398	3,526	1,669	37,658	3,013	14,639	15,203	4,802
68 and over	60,998	24,975	2,673	17,279	3,458	1,564	36,023	2,881	13,633	14,910	4,599
69 and over	57,795	23,444	2,461	16,145	3,382	1,456	34,350	2,741	12,632	14,585	4,392
70 and over	54,387	21,835	2,226	14,975	3,292	1,342	32,552	2,577	11,600	14,210	4,165
Total	326,126	158,453	69,364	75,369	4,196	9,524	167,674	58,491	75,369	18,191	15,623
2060:											
0-4	20,042	10,259	10,259	0	0	0	9,783	9,783	0	0	0
5-9	20,074	10,271	10,271	0	0	0	9,803	9,803	0	0	0
10-14	20,225	10,347	10,346	1	0	0	9,878	9,875	3	0	0
15-19	20,402	10,428	10,311	116	0	1	9,974	9,482	479	0	12
20-24	20,482	10,430	8,073	2,217	1	140	10,052	6,071	3,679	5	298
25-29	20,479	10,376	4,714	5,057	3	603	10,103	3,092	6,161	17	832
30-34	20,474	10,344	3,070	6,317	6	951	10,129	1,888	7,063	34	1,144
35-39	20,580	10,376	2,388	6,914	12	1,063	10,204	1,420	7,430	61	1,294
40-44	20,784	10,456	2,078	7,192	23	1,163	10,328	1,225	7,563	111	1,430
45-49	20,736	10,399	1,866	7,290	44	1,199	10,336	1,121	7,496	202	1,517
50-54	20,050	10,001	1,654	7,195	81	1,071	10,049	1,026	7,192	355	1,476
55-59	18,998	9,398	1,445	6,928	136	889	9,600	917	6,730	597	1,355
60-64	18,179	8,893	1,303	6,632	220	737	9,287	841	6,234	967	1,245
65-69	17,511	8,405	1,187	6,237	356	625	9,106	816	5,607	1,505	1,179
70-74	16,210	7,518	998	5,488	523	509	8,692	794	4,655	2,145	1,099
75-79	13,640	5,964	684	4,281	638	361	7,675	693	3,355	2,685	943
80-84	10,118	4,030	357	2,817	641	215	6,088	502	2,017	2,870	699
85-89	7,190	2,497	169	1,606	590	132	4,692	345	1,068	2,764	515
90-94	4,677	1,378	70	760	468	80	3,299	221	472	2,232	374
95 and over	3,704	880	28	339	456	58	2,824	154	184	2,085	401
0-19	80,743	41,305	41,187	117	0	1	39,438	38,944	482	0	12
20-64	180,763	90,675	26,591	55,742	525	7,817	90,088	17,601	59,548	2,349	10,591
65 and over	73,050	30,673	3,494	21,529	3,671	1,980	42,377	3,525	17,357	16,286	5,209
20-65	184,324	92,400	26,839	57,028	584	7,950	91,924	17,765	60,727	2,601	10,831
20-66	187,860	94,107	27,082	58,297	648	8,080	93,753	17,928	61,880	2,877	11,069
20-67	191,368	95,791	27,320	59,548	719	8,205	95,576	18,091	63,004	3,177	11,305
20-68	194,841	97,450	27,552	60,776	796	8,326	97,391	18,254	64,096	3,502	11,539
20-69	198,274	99,080	27,778	61,979	881	8,442	99,194	18,417	65,155	3,854	11,769
66 and over	69,489	28,947	3,246	20,243	3,612	1,846	40,542	3,361	16,178	16,034	4,969
67 and over	65,953	27,241	3,003	18,973	3,547	1,717	38,712	3,198	15,026	15,758	4,731
68 and over	62,446	25,556	2,765	17,723	3,477	1,592	36,889	3,035	13,902	15,458	4,495
69 and over	58,972	23,897	2,532	16,494	3,399	1,471	35,075	2,872	12,809	15,133	4,261
70 and over	55,539	22,268	2,306	15,291	3,315	1,355	33,271	2,709	11,751	14,782	4,030
Total	334,557	162,653	71,272	77,387	4,196	9,798	171,904	60,069	77,387	18,635	15,812

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative II: (Cont.)											
2080:											
0-4.....	20,565	10,527	10,527	0	0	0	10,038	10,038	0	0	0
5-9.....	20,659	10,571	10,571	0	0	0	10,088	10,088	0	0	0
10-14.....	20,765	10,624	10,623	1	0	0	10,141	10,139	3	0	0
15-19.....	20,810	10,638	10,518	118	0	1	10,173	9,672	488	0	12
20-24.....	20,834	10,611	8,213	2,256	1	142	10,223	6,164	3,751	4	303
25-29.....	20,971	10,630	4,833	5,176	3	618	10,341	3,149	6,323	17	852
30-34.....	21,184	10,710	3,188	6,529	6	987	10,475	1,952	7,305	33	1,184
35-39.....	21,298	10,746	2,475	7,156	11	1,103	10,552	1,479	7,675	59	1,340
40-44.....	21,200	10,673	2,110	7,355	21	1,187	10,527	1,250	7,715	105	1,456
45-49.....	20,846	10,464	1,866	7,353	41	1,203	10,383	1,106	7,571	190	1,516
50-54.....	20,362	10,169	1,692	7,309	77	1,091	10,193	1,015	7,354	337	1,487
55-59.....	19,913	9,870	1,549	7,240	134	948	10,044	958	7,084	582	1,420
60-64.....	19,377	9,505	1,417	7,063	219	806	9,872	920	6,658	955	1,339
65-69.....	18,264	8,802	1,239	6,556	346	662	9,463	873	5,887	1,463	1,239
70-74.....	16,249	7,582	989	5,593	489	511	8,667	782	4,758	2,033	1,095
75-79.....	13,696	6,046	697	4,379	603	367	7,650	659	3,488	2,569	934
80-84.....	11,066	4,477	426	3,131	669	251	6,589	543	2,307	2,967	771
85-89.....	8,393	2,997	224	1,942	661	170	5,397	430	1,331	3,013	622
90-94.....	5,509	1,686	93	954	535	103	3,823	288	605	2,473	457
95 and over.....	4,236	1,043	35	427	512	69	3,193	177	232	2,347	436
0-19.....	82,799	42,360	42,239	119	0	1	40,440	39,936	491	0	12
20-64.....	185,988	93,378	27,344	57,437	512	8,085	92,610	17,994	61,437	2,282	10,897
65 and over.....	77,413	32,632	3,703	22,982	3,815	2,132	44,781	3,753	18,610	16,865	5,554
20-65.....	189,757	95,211	27,608	58,803	570	8,229	94,546	18,173	62,689	2,530	11,154
20-66.....	193,475	97,012	27,865	60,145	633	8,368	96,464	18,350	63,907	2,800	11,407
20-67.....	197,135	98,776	28,113	61,460	702	8,500	98,359	18,525	65,087	3,092	11,656
20-68.....	200,730	100,500	28,353	62,744	777	8,627	100,230	18,697	66,227	3,407	11,899
20-69.....	204,252	102,180	28,583	63,993	858	8,747	102,072	18,866	67,324	3,745	12,137
66 and over.....	73,644	30,799	3,439	21,616	3,757	1,987	42,845	3,574	17,358	16,617	5,297
67 and over.....	69,926	28,998	3,182	20,274	3,694	1,849	40,927	3,397	16,140	16,347	5,043
68 and over.....	66,266	27,234	2,934	18,959	3,625	1,716	39,032	3,222	14,959	16,055	4,795
69 and over.....	62,671	25,510	2,694	17,675	3,550	1,590	37,161	3,050	13,819	15,740	4,552
70 and over.....	59,149	23,830	2,464	16,426	3,470	1,470	35,319	2,880	12,722	15,402	4,314
Total.....	346,200	168,369	73,287	80,538	4,327	10,218	177,831	61,683	80,538	19,147	16,463
Alternative III:											
1990:											
0-4.....	18,749	9,595	9,595	0	0	0	9,154	9,154	0	0	0
5-9.....	18,954	9,700	9,700	0	0	0	9,254	9,254	0	0	0
10-14.....	17,600	9,004	9,003	1	0	0	8,595	8,593	2	0	0
15-19.....	17,759	9,082	8,973	108	0	1	8,676	8,216	449	0	11
20-24.....	19,087	9,708	7,473	2,099	1	135	9,379	5,499	3,580	6	294
25-29.....	22,039	11,180	4,982	5,506	5	687	10,859	3,242	6,654	27	936
30-34.....	22,634	11,447	3,155	7,188	13	1,091	11,187	2,076	7,705	72	1,334
35-39.....	20,901	10,517	1,935	7,411	22	1,149	10,383	1,219	7,570	119	1,476
40-44.....	18,406	9,215	1,120	6,912	43	1,140	9,191	691	6,809	194	1,498
45-49.....	14,712	7,328	571	5,767	57	933	7,384	394	5,475	307	1,208
50-54.....	11,895	5,876	388	4,772	89	627	6,019	283	4,465	437	834
55-59.....	10,901	5,300	328	4,366	146	460	5,601	245	4,041	689	626
60-64.....	10,987	5,214	306	4,299	244	365	5,773	241	3,828	1,151	553
65-69.....	10,268	4,692	262	3,810	355	266	5,576	234	3,233	1,646	464
70-74.....	8,187	3,543	192	2,774	414	163	4,645	213	2,178	1,951	302
75-79.....	6,200	2,435	114	1,808	424	88	3,766	189	1,324	2,069	184
80-84.....	4,079	1,406	47	950	370	39	2,673	150	613	1,817	94
85-89.....	2,147	643	17	350	261	16	1,504	89	211	1,164	41
90-94.....	941	230	5	94	124	6	711	38	79	572	21
95 and over.....	308	67	1	19	45	2	241	11	19	203	8
0-19.....	73,062	37,381	37,272	109	0	1	35,681	35,218	451	0	11
20-64.....	151,562	75,786	20,258	48,321	620	6,586	75,777	13,889	50,127	3,003	8,758
65 and over.....	32,131	13,015	638	9,806	1,992	579	19,116	923	7,657	9,422	1,113
20-65.....	153,719	76,785	20,314	49,142	680	6,648	76,934	13,936	50,850	3,286	8,862
20-66.....	155,833	77,758	20,369	49,936	748	6,705	78,075	13,983	51,532	3,599	8,961
20-67.....	157,854	78,680	20,420	50,684	819	6,757	79,174	14,029	52,167	3,925	9,053
20-68.....	159,888	79,602	20,471	51,429	896	6,807	80,285	14,076	52,787	4,281	9,141
20-69.....	161,830	80,478	20,520	52,131	975	6,852	81,353	14,123	53,359	4,649	9,222
66 and over.....	29,975	12,016	581	8,985	1,933	517	17,958	876	6,934	9,139	1,009
67 and over.....	27,860	11,043	527	8,190	1,865	461	16,817	829	6,252	8,826	910
68 and over.....	25,839	10,121	475	7,443	1,794	409	15,718	783	5,617	8,500	819
69 and over.....	23,806	9,199	424	6,698	1,717	359	14,607	736	4,998	8,144	731
70 and over.....	21,863	8,323	376	5,996	1,638	314	13,540	689	4,425	7,776	650
Total.....	256,755	126,182	58,167	58,235	2,613	7,167	130,573	50,030	58,235	12,425	9,883

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative III: (Cont.)											
1995:											
0-4.....	17,235	8,822	8,822	0	0	0	8,413	8,413	0	0	0
5-9.....	18,844	9,639	9,639	0	0	0	9,204	9,204	0	0	0
10-14.....	19,068	9,757	9,756	1	0	0	9,311	9,308	3	0	0
15-19.....	17,699	9,046	8,948	97	0	1	8,652	8,233	409	0	10
20-24.....	17,850	9,098	7,013	1,958	1	126	8,752	5,140	3,336	5	271
25-29.....	19,209	9,727	4,404	4,751	3	570	9,482	2,741	5,934	20	787
30-34.....	22,133	11,195	3,310	6,810	10	1,065	10,938	2,027	7,587	49	1,275
35-39.....	22,641	11,423	2,436	7,736	19	1,231	11,218	1,593	7,991	101	1,534
40-44.....	20,835	10,457	1,651	7,522	35	1,249	10,378	1,052	7,499	172	1,655
45-49.....	18,252	9,104	1,001	6,858	64	1,182	9,147	631	6,606	285	1,625
50-54.....	14,464	7,160	519	5,676	91	873	7,304	372	5,249	440	1,243
55-59.....	11,547	5,648	347	4,621	129	551	5,899	268	4,190	620	822
60-64.....	10,380	4,974	288	4,095	199	392	5,406	228	3,642	941	595
65-69.....	10,132	4,688	257	3,807	321	303	5,444	221	3,234	1,474	516
70-74.....	9,054	3,955	203	3,111	431	210	5,099	208	2,511	1,961	419
75-79.....	6,803	2,733	126	2,050	439	118	4,070	181	1,510	2,116	262
80-84.....	4,698	1,647	57	1,152	381	57	3,051	147	784	1,976	144
85-89.....	2,691	794	18	482	269	24	1,898	99	298	1,433	67
90-94.....	1,134	284	5	125	145	8	850	44	75	706	25
95 and over.....	428	88	1	28	56	3	341	13	23	292	12
0-19.....	72,846	37,265	37,165	98	0	1	35,581	35,159	412	0	10
20-64.....	157,310	78,785	20,969	50,026	551	7,239	78,525	14,051	52,033	2,633	9,808
65 and over.....	34,940	14,188	667	10,756	2,043	722	20,752	913	8,435	9,959	1,445
20-65.....	159,392	79,771	21,025	50,833	604	7,310	79,621	14,096	52,728	2,879	9,918
20-66.....	161,449	80,734	21,078	51,617	666	7,373	80,715	14,140	53,390	3,162	10,023
20-67.....	163,508	81,688	21,131	52,390	733	7,434	81,820	14,185	54,043	3,465	10,127
20-68.....	165,504	82,599	21,180	53,128	802	7,490	82,905	14,229	54,669	3,780	10,227
20-69.....	167,442	83,473	21,227	53,833	873	7,541	83,969	14,271	55,267	4,107	10,323
66 and over.....	32,859	13,203	612	9,949	1,991	651	19,656	868	7,740	9,713	1,335
67 and over.....	30,801	12,240	558	9,165	1,929	588	18,562	824	7,078	9,430	1,230
68 and over.....	28,742	11,286	506	8,391	1,861	527	17,457	779	6,425	9,127	1,126
69 and over.....	26,746	10,374	457	7,654	1,792	471	16,372	735	5,799	8,812	1,026
70 and over.....	24,808	9,500	410	6,949	1,722	419	15,308	693	5,201	8,485	929
Total.....	265,096	130,238	58,802	60,880	2,594	7,962	134,858	50,123	60,880	12,592	11,263
2000:											
0-4.....	15,852	8,114	8,114	0	0	0	7,737	7,737	0	0	0
5-9.....	17,335	8,870	8,870	0	0	0	8,465	8,465	0	0	0
10-14.....	18,960	9,698	9,697	1	0	0	9,262	9,259	3	0	0
15-19.....	19,168	9,800	9,691	107	0	1	9,368	8,920	437	0	11
20-24.....	17,797	9,067	7,026	1,921	1	119	8,730	5,279	3,192	5	255
25-29.....	17,983	9,125	4,142	4,445	3	535	8,858	2,547	5,557	18	736
30-34.....	19,324	9,758	2,894	5,951	7	906	9,567	1,649	6,807	38	1,074
35-39.....	22,158	11,182	2,584	7,384	16	1,198	10,976	1,537	7,923	77	1,439
40-44.....	22,587	11,369	2,091	7,907	31	1,340	11,218	1,361	8,019	151	1,687
45-49.....	20,685	10,348	1,477	7,531	56	1,284	10,337	955	7,356	259	1,767
50-54.....	17,973	8,916	913	6,810	100	1,093	9,057	595	6,388	427	1,647
55-59.....	14,078	6,908	468	5,545	138	758	7,169	353	4,974	634	1,209
60-64.....	11,048	5,338	308	4,386	183	461	5,710	250	3,821	864	774
65-69.....	9,631	4,515	246	3,679	271	320	5,116	209	3,109	1,245	552
70-74.....	9,008	4,002	204	3,157	402	239	5,006	198	2,542	1,800	466
75-79.....	7,619	3,102	137	2,342	470	153	4,516	180	1,772	2,200	365
80-84.....	5,263	1,896	66	1,344	410	76	3,368	144	918	2,096	209
85-89.....	3,208	964	23	610	296	34	2,243	101	394	1,642	105
90-94.....	1,506	370	6	191	161	13	1,136	53	116	925	43
95 and over.....	574	119	1	38	75	4	455	17	23	398	16
0-19.....	71,314	36,481	36,372	108	0	1	34,833	34,382	440	0	11
20-64.....	163,632	82,012	21,902	51,881	535	7,694	81,621	14,525	54,036	2,471	10,588
65 and over.....	36,809	14,969	682	11,361	2,086	839	21,840	902	8,874	10,307	1,737
20-65.....	165,659	82,979	21,956	52,675	578	7,770	82,681	14,569	54,724	2,673	10,714
20-66.....	167,580	83,888	22,006	53,418	629	7,835	83,693	14,611	55,350	2,907	10,825
20-67.....	169,464	84,770	22,054	54,138	683	7,896	84,693	14,652	55,955	3,155	10,931
20-68.....	171,358	85,650	22,101	54,852	742	7,955	85,708	14,693	56,554	3,424	11,037
20-69.....	173,264	86,527	22,148	55,560	806	8,014	86,737	14,735	57,146	3,716	11,141
66 and over.....	34,782	14,002	628	10,568	2,043	763	20,780	858	8,187	10,104	1,631
67 and over.....	32,861	13,093	578	9,824	1,993	698	19,768	817	7,561	9,871	1,520
68 and over.....	30,977	12,210	530	9,105	1,938	637	18,767	776	6,955	9,623	1,414
69 and over.....	29,083	11,330	483	8,391	1,879	577	17,753	734	6,356	9,353	1,308
70 and over.....	27,177	10,453	436	7,683	1,816	519	16,724	693	5,765	9,061	1,204
Total.....	271,755	133,462	58,956	63,351	2,621	8,534	138,294	49,809	63,351	12,778	12,356

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative III: (Cont.)											
2020:											
0-4.....	14,047	7,191	7,191	0	0	0	6,856	6,856	0	0	0
5-9.....	14,721	7,533	7,533	0	0	0	7,188	7,188	0	0	0
10-14.....	15,141	7,747	7,746	1	0	0	7,394	7,392	2	0	0
15-19.....	15,521	7,935	7,845	89	0	1	7,586	7,200	377	0	9
20-24.....	16,297	8,306	6,420	1,773	1	113	7,992	4,720	3,025	4	243
25-29.....	17,812	9,040	4,139	4,369	2	529	8,772	2,558	5,473	15	726
30-34.....	19,426	9,833	2,973	5,937	5	917	9,593	1,759	6,717	32	1,085
35-39.....	19,578	9,892	2,267	6,584	10	1,030	9,686	1,360	7,040	55	1,231
40-44.....	18,119	9,129	1,721	6,379	17	1,012	8,991	996	6,684	92	1,218
45-49.....	18,073	9,080	1,598	6,400	35	1,046	8,993	841	6,706	170	1,275
50-54.....	19,026	9,493	1,581	6,788	74	1,050	9,533	844	7,005	319	1,365
55-59.....	21,224	10,527	1,687	7,597	152	1,091	10,696	1,031	7,491	613	1,562
60-64.....	20,849	10,233	1,419	7,614	254	946	10,616	1,020	7,009	997	1,591
65-69.....	18,019	8,659	964	6,623	364	708	9,360	743	5,716	1,432	1,468
70-74.....	14,346	6,644	534	5,130	470	511	7,702	453	4,136	1,870	1,242
75-79.....	9,898	4,308	215	3,322	478	293	5,591	250	2,454	2,059	828
80-84.....	6,445	2,539	88	1,890	421	140	3,905	156	1,275	2,009	466
85-89.....	4,280	1,453	37	980	362	75	2,827	102	612	1,839	274
90-94.....	2,679	755	13	425	277	40	1,924	61	248	1,444	171
95 and over.....	1,666	370	4	147	200	20	1,296	32	79	1,074	111
0-19.....	59,429	30,405	30,314	90	0	1	29,024	28,636	379	0	9
20-64.....	170,405	85,533	23,805	53,443	551	7,735	84,872	15,129	57,149	2,297	10,296
65 and over.....	57,333	24,729	1,856	18,515	2,571	1,787	32,604	1,796	14,519	11,727	4,562
20-65.....	174,295	87,424	24,039	54,875	612	7,897	86,872	15,307	58,413	2,539	10,613
20-66.....	178,053	89,238	24,253	56,256	683	8,046	88,815	15,471	59,618	2,823	10,903
20-67.....	181,664	90,974	24,446	57,584	757	8,187	90,690	15,619	60,762	3,116	11,192
20-68.....	185,120	92,626	24,615	58,856	835	8,320	92,494	15,750	61,845	3,418	11,480
20-69.....	188,423	94,192	24,769	60,065	914	8,443	94,232	15,873	62,865	3,729	11,764
66 and over.....	53,442	22,837	1,621	17,082	2,509	1,625	30,604	1,619	13,256	11,485	4,245
67 and over.....	49,684	21,023	1,407	15,702	2,439	1,476	28,661	1,455	12,051	11,201	3,954
68 and over.....	46,073	19,287	1,215	14,373	2,364	1,335	26,786	1,306	10,907	10,907	3,666
69 and over.....	42,617	17,635	1,045	13,101	2,286	1,202	24,982	1,176	9,823	10,606	3,378
70 and over.....	39,314	16,070	891	11,892	2,207	1,079	23,244	1,053	8,803	10,295	3,094
Total.....	287,167	140,667	55,975	72,048	3,121	9,523	146,500	45,561	72,048	14,024	14,867
2040:											
0-4.....	11,927	6,106	6,106	0	0	0	5,821	5,821	0	0	0
5-9.....	12,378	6,334	6,334	0	0	0	6,044	6,044	0	0	0
10-14.....	12,909	6,605	6,604	1	0	0	6,304	6,302	2	0	0
15-19.....	13,641	6,974	6,894	79	0	1	6,667	6,325	333	0	8
20-24.....	14,517	7,399	5,723	1,575	0	100	7,119	4,239	2,662	3	215
25-29.....	15,243	7,736	5,538	3,745	2	451	7,507	2,235	4,642	11	619
30-34.....	15,688	7,942	2,382	4,819	4	737	7,746	1,380	5,476	23	867
35-39.....	16,025	8,097	1,882	5,365	7	843	7,928	1,019	5,884	39	985
40-44.....	16,687	8,415	1,701	5,742	14	959	8,272	869	6,217	73	1,112
45-49.....	17,967	9,038	1,685	6,239	29	1,085	8,930	859	6,650	143	1,278
50-54.....	19,231	9,631	1,685	6,784	59	1,103	9,601	930	6,995	274	1,402
55-59.....	18,971	9,440	1,498	6,872	105	964	9,531	909	6,783	482	1,357
60-64.....	17,048	8,400	1,189	6,320	161	730	8,648	740	6,009	754	1,145
65-69.....	16,175	7,845	1,087	5,889	267	602	8,330	655	5,437	1,196	1,042
70-74.....	15,824	7,445	992	5,486	429	537	8,379	651	4,880	1,821	1,028
75-79.....	15,825	7,092	880	5,063	655	495	8,733	759	4,189	2,673	1,112
80-84.....	13,287	5,504	521	3,856	772	355	7,783	686	2,905	3,163	1,029
85-89.....	9,158	3,375	209	2,255	702	210	5,783	416	1,562	2,997	809
90-94.....	5,204	1,657	57	986	505	110	3,546	176	618	2,221	532
95 and over.....	3,043	792	11	350	377	54	2,252	63	181	1,671	336
0-19.....	50,855	26,019	25,938	80	0	1	24,836	24,493	335	0	8
20-64.....	151,377	76,097	21,284	47,461	380	6,971	75,280	13,180	51,318	1,802	8,980
65 and over.....	78,517	33,711	3,758	23,884	3,706	2,362	44,806	3,405	19,771	15,742	5,888
20-65.....	154,570	77,659	21,496	48,646	422	7,094	76,911	13,306	52,424	1,995	9,186
20-66.....	157,677	79,171	21,697	49,796	468	7,210	78,506	13,424	53,495	2,203	9,385
20-67.....	160,821	80,692	21,902	50,946	519	7,325	80,129	13,546	54,562	2,435	9,586
20-68.....	164,068	82,268	22,123	52,123	578	7,444	81,800	13,677	55,635	2,694	9,793
20-69.....	167,552	83,942	22,372	53,350	647	7,572	83,610	13,835	56,755	2,998	10,022
66 and over.....	75,324	32,148	3,546	22,699	3,664	2,239	43,176	3,279	18,666	15,549	5,682
67 and over.....	72,217	30,637	3,346	21,549	3,619	2,123	41,580	3,161	17,595	15,341	5,483
68 and over.....	69,073	29,115	3,141	20,399	3,568	2,008	39,958	3,039	16,528	15,109	5,282
69 and over.....	65,826	27,539	2,920	19,222	3,509	1,889	38,287	2,908	15,454	14,849	5,075
70 and over.....	62,341	25,865	2,671	17,995	3,439	1,760	36,476	2,750	14,334	14,546	4,846
Total.....	280,748	135,826	50,981	71,425	4,087	9,334	144,922	41,078	71,425	17,544	14,876

Table 18.—July 1 Population in the Social Security Area by Alternative, Year, Age Group, Sex, and Marital Status (Cont.)
[In thousands]

Alternative, year, and age group	Sex and marital status										
	Total	Male					Female				
		Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Alternative III: (Cont.)											
2060:											
0-4.....	10,254	5,249	5,249	0	0	0	5,004	5,004	0	0	0
5-9.....	10,739	5,495	5,495	0	0	0	5,244	5,244	0	0	0
10-14.....	11,304	5,784	5,783	1	0	0	5,520	5,518	2	0	0
15-19.....	11,885	6,077	6,007	68	0	1	5,808	5,514	287	0	7
20-24.....	12,419	6,328	4,898	1,345	0	85	6,091	3,635	2,271	2	183
25-29.....	12,934	6,562	3,003	3,175	1	383	6,372	1,888	3,950	9	526
30-34.....	13,503	6,835	2,066	4,131	3	635	6,668	1,178	4,726	17	746
35-39.....	14,196	7,175	1,698	4,721	5	751	7,022	915	5,200	30	877
40-44.....	14,966	7,551	1,552	5,124	10	865	7,415	818	5,533	56	1,008
45-49.....	15,489	7,796	1,449	5,395	20	932	7,692	765	5,718	105	1,104
50-54.....	15,664	7,853	1,357	5,571	39	886	7,811	722	5,779	193	1,116
55-59.....	15,692	7,821	1,271	5,683	71	797	7,871	678	5,769	345	1,079
60-64.....	15,915	7,870	1,226	5,802	125	716	8,045	655	5,744	600	1,046
65-69.....	16,446	8,026	1,215	5,918	225	669	8,420	686	5,645	1,020	1,069
70-74.....	16,549	7,884	1,135	5,762	375	612	8,666	745	5,205	1,615	1,101
75-79.....	14,932	6,824	862	4,963	516	483	8,108	704	4,154	2,223	1,027
80-84.....	11,757	5,025	507	3,610	588	320	6,732	531	2,779	2,606	816
85-89.....	9,133	3,538	295	2,378	640	225	5,595	396	1,703	2,837	658
90-94.....	6,705	2,302	156	1,363	624	159	4,403	291	908	2,673	532
95 and over.....	7,091	2,022	90	851	924	156	5,069	286	489	3,540	754
0-19.....	44,181	22,605	22,535	69	0	1	21,576	21,280	289	0	7
20-64.....	130,778	65,791	18,519	40,948	273	6,051	64,987	11,255	44,690	1,358	7,683
65 and over.....	82,613	35,621	4,260	24,845	3,892	2,624	46,992	3,639	20,883	16,513	5,957
20-65.....	134,022	67,385	18,763	42,125	309	6,188	66,637	11,388	45,833	1,522	7,894
20-66.....	137,291	68,987	19,007	43,307	348	6,323	68,304	11,522	46,971	1,705	8,106
20-67.....	140,583	70,594	19,251	44,493	393	6,457	69,989	11,659	48,103	1,907	8,319
20-68.....	143,896	72,206	19,493	45,680	443	6,589	71,690	11,799	49,225	2,131	8,535
20-69.....	147,224	73,817	19,734	46,866	499	6,719	73,407	11,941	50,335	2,378	8,752
66 and over.....	79,369	34,027	4,016	23,668	3,856	2,487	45,342	3,506	19,740	16,349	5,746
67 and over.....	76,100	32,425	3,772	22,486	3,817	2,351	43,675	3,371	18,602	16,167	5,534
68 and over.....	72,808	30,818	3,528	21,300	3,772	2,217	41,990	3,235	17,470	15,964	5,320
69 and over.....	69,495	29,207	3,286	20,113	3,722	2,085	40,288	3,095	16,348	15,740	5,105
70 and over.....	66,167	27,595	3,045	18,928	3,666	1,955	38,572	2,953	15,238	15,493	4,888
Total.....	257,572	124,017	45,314	65,862	4,165	8,675	133,555	36,174	65,862	17,872	13,647
2080:											
0-4.....	8,972	4,593	4,593	0	0	0	4,379	4,379	0	0	0
5-9.....	9,408	4,814	4,814	0	0	0	4,594	4,594	0	0	0
10-14.....	9,858	5,044	5,044	1	0	0	4,814	4,813	1	0	0
15-19.....	10,297	5,265	5,205	59	0	1	5,032	4,777	249	0	6
20-24.....	10,760	5,482	4,243	1,165	0	74	5,278	3,146	1,971	2	159
25-29.....	11,318	5,740	2,633	2,771	1	335	5,578	1,655	3,456	7	461
30-34.....	11,930	6,038	1,837	3,637	2	561	5,892	1,056	4,161	13	661
35-39.....	12,481	6,308	1,500	4,144	4	660	6,173	824	4,552	23	774
40-44.....	12,918	6,519	1,341	4,428	7	743	6,400	716	4,772	42	870
45-49.....	13,247	6,670	1,246	4,617	14	793	6,577	653	4,907	77	939
50-54.....	13,578	6,813	1,199	4,818	27	769	6,765	624	5,035	142	963
55-59.....	14,016	6,997	1,173	5,051	51	721	7,019	620	5,172	259	968
60-64.....	14,444	7,163	1,151	5,256	92	664	7,281	630	5,229	458	964
65-69.....	14,451	7,086	1,082	5,248	161	595	7,365	627	5,027	766	945
70-74.....	13,883	6,669	960	4,933	261	515	7,214	596	4,526	1,189	903
75-79.....	12,891	5,977	792	4,373	380	433	6,914	545	3,805	1,709	854
80-84.....	11,659	5,109	598	3,641	514	357	6,549	495	2,970	2,286	799
85-89.....	10,189	4,117	413	2,765	643	296	6,072	453	2,103	2,770	747
90-94.....	7,998	2,919	239	1,766	690	225	5,079	377	1,233	2,819	650
95 and over.....	8,817	2,697	140	1,200	1,138	219	6,120	345	703	4,191	881
0-19.....	38,536	19,716	19,656	60	0	1	18,819	18,563	250	0	6
20-64.....	114,691	57,729	16,323	35,888	198	5,321	56,962	9,925	39,256	1,022	6,758
65 and over.....	79,887	34,575	4,224	23,926	3,785	2,640	45,313	3,438	20,367	15,730	5,778
20-65.....	117,603	59,165	16,547	36,948	224	5,446	58,438	10,052	40,288	1,147	6,950
20-66.....	120,510	60,595	16,769	38,006	252	5,568	59,915	10,178	41,310	1,285	7,141
20-67.....	123,407	62,016	16,986	39,059	284	5,688	61,391	10,304	42,319	1,438	7,330
20-68.....	126,286	63,424	17,198	40,103	320	5,803	62,862	10,429	43,310	1,605	7,518
20-69.....	129,142	64,815	17,405	41,136	359	5,916	64,327	10,552	44,283	1,788	7,703
66 and over.....	76,975	33,138	3,999	22,865	3,759	2,515	43,837	3,311	19,334	15,605	5,587
67 and over.....	74,068	31,708	3,778	21,807	3,731	2,392	42,360	3,185	18,312	15,467	5,396
68 and over.....	71,171	30,287	3,561	20,754	3,699	2,273	40,884	3,059	17,304	15,314	5,207
69 and over.....	68,292	28,879	3,349	19,710	3,663	2,157	39,412	2,934	16,312	15,147	5,019
70 and over.....	65,436	27,488	3,142	18,678	3,624	2,045	37,948	2,811	15,340	14,964	4,833
Total.....	233,114	112,020	40,203	59,873	3,983	7,961	121,094	31,926	59,873	16,752	12,543

B. Marital Status

In 1984, 43 percent of the population was estimated to be single (never married). The proportion of the population which is single in 2080 is projected to be 44 percent under Alternative I, to decrease to 39 percent under Alternative II, and to decrease to 31 percent under Alternative III, reflecting differences in the age distribution of the population among the three alternatives. The proportion married is projected to change from 45 percent in 1984 to 43, 46, and 51 percent in 2080, under Alternatives I, II, and III, respectively. The proportion widowed in 2080 is projected to change from 6 percent in 1984 to 7 and 9 percent, under Alternatives II and III, respectively, and to remain at 6 percent under Alternative I. The current high incidence of divorce, which is assumed to continue in the future, causes the proportion divorced to increase from 6 percent in 1984 to 7 percent under Alternative I, to 8 percent under Alternative II, and to 9 percent under Alternative III in 2080. Chart 5 compares the distribution of the population by marital status in 1984 with the projected distribution in 2080.

The disunity ratio given in Tables 19 is the ratio of the number of divorced persons to the sum of the numbers of married and widowed persons. Assuming a continuation of the current high incidence of divorce, this ratio will increase by approximately 40 percent by

the turn of the century.

C. Aged Population

A rough estimate of the growth in the number of persons receiving Social Security retirement benefits can be obtained from examining the age 65-and-over population given in Tables 19. The projected population at ages 65 and older is also shown graphically in Chart 6. The growth in the number of people age 65 and older slows down around the year 2000 due to the low fertility experience during the 1930's. This slowing down is not as great under Alternatives II and III because assumed mortality reductions are greater than under Alternative I. The high fertility of the 1950's and 1960's results in sharp steady growth in the 65-and-over population throughout the period 2010-2030 under all of the alternatives. By the year 2080, the 65-and-over population as a percentage of total population increases significantly from 12 percent in 1984 to 17 percent under Alternative I, 22 percent under Alternative II, and 34 percent under Alternative III.

D. Demographic Indicators

The projected population is summarized by broad age group and alternative for selected years in Table 19. The broad age groups are under 20, 20 to 64, and 65 and over.

Table 19.—Population in the Social Security Area as of July 1 and Selected Ratios by Alternative and Year

Alternative and year	Population (In thousands)										Disunity ratio
	Marital status					Age			Dependency ratio		
	Single	Married	Widowed	Divorced	Total	0-19	20-64	65+	Aged	Total	
Alternative I:											
1940.....	66,061	61,402	8,431	1,604	137,498	46,897	81,406	9,194	.113	.689	.023
1950.....	69,266	77,155	10,075	2,383	158,879	53,754	92,419	12,706	.137	.719	.027
1960.....	87,383	88,294	11,180	2,997	189,855	73,529	99,232	17,094	.172	.913	.030
1970.....	98,463	99,055	12,885	4,647	215,050	81,066	113,243	20,741	.183	.899	.042
1980.....	101,929	108,298	14,390	10,680	235,297	74,984	134,341	25,972	.193	.751	.087
1981.....	102,576	108,905	14,537	11,743	237,760	74,430	136,759	26,572	.194	.739	.095
1982.....	103,446	109,829	14,426	12,462	240,163	73,985	139,021	27,157	.195	.728	.100
1983.....	104,903	110,274	14,683	12,628	242,489	73,586	141,156	27,746	.197	.718	.101
1984.....	105,679	110,629	15,022	13,357	244,686	73,191	143,185	28,310	.198	.709	.106
1985.....	106,308	111,497	15,013	14,095	246,913	73,030	145,001	28,882	.199	.703	.111
1986.....	107,108	112,388	15,031	14,850	249,377	73,213	146,635	29,528	.201	.701	.117
1987.....	107,919	113,304	15,058	15,566	251,847	73,531	148,130	30,187	.204	.700	.121
1988.....	108,741	114,264	15,091	16,221	254,317	73,944	149,621	30,752	.206	.700	.125
1989.....	109,568	115,276	15,130	16,803	256,777	74,290	151,148	31,338	.207	.699	.129
1990.....	110,394	116,328	15,173	17,324	259,219	74,540	152,783	31,896	.209	.697	.132
1991.....	111,222	117,367	15,219	17,828	261,636	74,705	154,563	32,368	.209	.693	.134
1992.....	112,056	118,383	15,267	18,314	264,020	75,203	155,994	32,824	.210	.693	.137
1993.....	112,899	119,383	15,317	18,771	266,370	75,863	157,235	33,271	.212	.694	.139
1994.....	113,752	120,368	15,368	19,195	268,683	76,598	158,438	33,647	.212	.696	.141
1995.....	114,619	121,335	15,420	19,588	270,962	77,266	159,712	33,984	.213	.697	.143
1996.....	115,499	122,276	15,473	19,962	273,210	77,986	160,956	34,269	.213	.697	.145
1997.....	116,393	123,199	15,526	20,316	275,433	78,557	162,404	34,473	.212	.696	.146
1998.....	117,294	124,116	15,579	20,649	277,638	79,109	163,926	34,603	.211	.694	.148
1999.....	118,199	125,038	15,633	20,960	279,830	79,562	165,551	34,717	.210	.690	.149
2000.....	119,105	125,972	15,687	21,252	282,016	79,909	167,223	34,884	.209	.686	.150
2010.....	128,867	136,094	16,351	23,425	304,737	84,037	181,858	38,842	.214	.676	.154
2020.....	140,098	145,535	17,877	24,667	328,177	91,381	185,865	50,932	.274	.766	.151
2030.....	150,808	152,348	20,543	25,408	349,108	98,008	187,495	63,605	.339	.862	.147
2040.....	160,959	159,060	22,698	26,241	368,958	104,313	199,120	65,526	.329	.853	.144
2050.....	171,580	167,243	23,253	27,412	389,487	112,024	211,870	65,593	.310	.838	.144
2060.....	182,681	177,906	23,420	29,035	413,042	119,199	225,397	68,446	.304	.833	.144
2070.....	194,484	190,328	24,426	31,008	440,246	126,967	241,296	71,983	.298	.825	.144
2080.....	206,866	203,408	25,924	33,131	469,329	135,212	256,064	78,052	.305	.833	.144
Alternative II:											
1940.....	66,061	61,402	8,431	1,604	137,498	46,897	81,406	9,194	.113	.689	.023
1950.....	69,266	77,155	10,075	2,383	158,879	53,754	92,419	12,706	.137	.719	.027
1960.....	87,383	88,294	11,180	2,997	189,855	73,529	99,232	17,094	.172	.913	.030
1970.....	98,463	99,055	12,885	4,647	215,050	81,066	113,243	20,741	.183	.899	.042
1980.....	101,929	108,298	14,390	10,680	235,297	74,984	134,341	25,972	.193	.751	.087

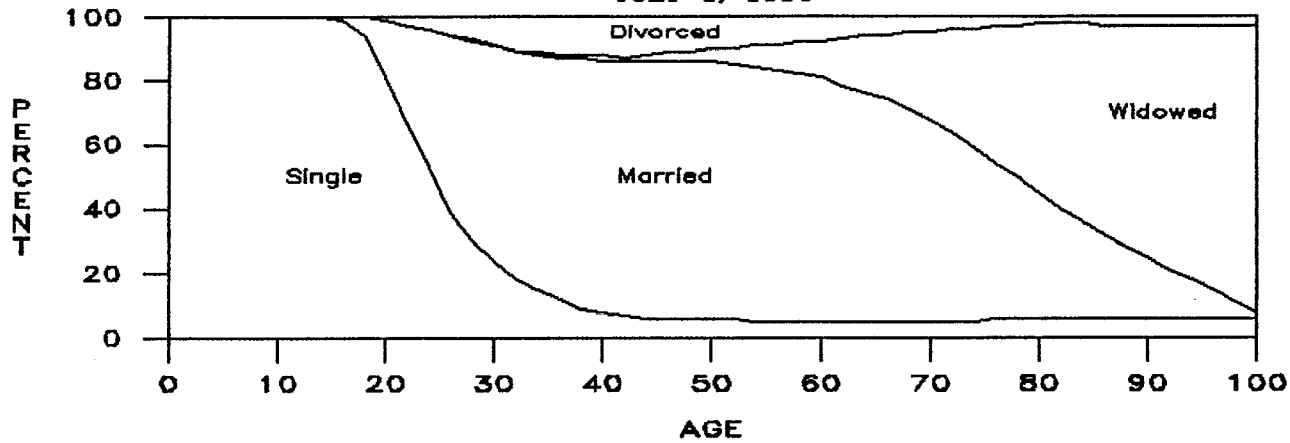
Table 19.—Population in the Social Security Area as of July 1 and Selected Ratios by Alternative and Year (Cont.)

Alternative and year	Population (In thousands)										
	Marital status				Total	Age			Dependency ratio		
	Single	Married	Widowed	Divorced		0-19	20-64	65+	Aged	Total	Disunity ratio
Alternative II: (Cont.)											
1981.....	102,576	108,905	14,537	11,743	237,760	74,430	136,759	26,572	.194	.739	.095
1982.....	103,446	109,829	14,426	12,462	240,163	73,985	139,021	27,157	.195	.728	.100
1983.....	104,903	110,274	14,683	12,628	242,489	73,586	141,156	27,746	.197	.718	.101
1984.....	105,679	110,629	15,022	13,357	244,686	73,191	143,185	28,310	.198	.709	.106
1985.....	106,308	111,497	15,013	14,095	246,913	73,030	145,001	28,882	.199	.703	.111
1986.....	106,947	112,396	15,017	14,811	249,170	73,133	146,510	29,527	.202	.701	.116
1987.....	107,574	113,323	15,029	15,495	251,422	73,343	147,881	30,198	.204	.700	.121
1988.....	108,190	114,298	15,049	16,123	253,660	73,622	149,251	30,788	.206	.700	.125
1989.....	108,789	115,328	15,075	16,684	255,876	73,808	150,658	31,411	.208	.698	.128
1990.....	109,367	116,402	15,105	17,187	258,062	73,872	152,174	32,016	.210	.696	.131
1991.....	109,924	117,466	15,140	17,678	260,208	73,826	153,836	32,546	.212	.691	.133
1992.....	110,467	118,512	15,177	18,153	262,309	74,089	155,150	33,069	.213	.691	.136
1993.....	110,997	119,543	15,217	18,603	264,360	74,492	156,276	33,592	.215	.692	.138
1994.....	111,518	120,564	15,259	19,021	266,361	74,947	157,363	34,052	.216	.693	.140
1995.....	112,033	121,568	15,303	19,411	268,314	75,314	158,521	34,479	.218	.693	.142
1996.....	112,542	122,547	15,348	19,783	270,221	75,712	159,650	34,860	.218	.693	.143
1997.....	113,045	123,508	15,395	20,138	272,086	75,940	160,983	35,164	.218	.690	.145
1998.....	113,538	124,462	15,443	20,472	273,915	76,128	162,390	35,396	.218	.687	.146
1999.....	114,013	125,419	15,493	20,786	275,711	76,198	163,900	35,614	.217	.682	.148
2000.....	114,470	126,383	15,544	21,082	277,479	76,139	165,456	35,884	.217	.677	.149
2010.....	118,449	136,465	16,190	23,304	294,407	75,121	178,524	40,762	.228	.649	.153
2020.....	122,562	144,672	17,590	24,500	309,324	76,907	178,644	53,773	.301	.732	.151
2030.....	125,804	148,750	20,115	24,959	319,628	78,041	174,043	67,544	.388	.836	.148
2040.....	127,854	150,738	22,386	25,147	326,126	78,503	177,187	70,436	.398	.841	.145
2050.....	129,643	152,301	23,043	25,291	330,279	79,912	179,350	71,016	.396	.842	.144
2060.....	131,341	154,775	22,831	25,610	334,557	80,743	180,763	73,050	.404	.851	.144
2070.....	133,129	157,967	23,021	26,121	340,237	81,690	184,105	74,442	.404	.848	.144
2080.....	134,969	161,076	23,474	26,681	346,200	82,799	185,988	77,413	.416	.861	.145
Alternative III:											
1940.....	66,061	61,402	8,431	1,604	137,498	46,897	81,406	9,194	.113	.689	.023
1950.....	69,266	77,155	10,075	2,383	158,879	53,754	92,419	12,706	.137	.719	.027
1960.....	87,383	88,294	11,180	2,997	189,855	73,529	99,232	17,094	.172	.913	.030
1970.....	98,463	99,055	12,885	4,647	215,050	81,066	113,243	20,741	.183	.899	.042
1980.....	101,929	108,298	14,390	10,680	235,297	74,984	134,341	25,972	.193	.751	.087
1981.....	102,576	108,905	14,537	11,743	237,760	74,430	136,759	26,572	.194	.739	.095
1982.....	103,446	109,829	14,426	12,462	240,163	73,985	139,021	27,157	.195	.728	.100
1983.....	104,903	110,274	14,683	12,628	242,489	73,586	141,156	27,746	.197	.718	.101
1984.....	105,679	110,629	15,022	13,357	244,686	73,191	143,185	28,310	.198	.709	.106
1985.....	106,308	111,497	15,013	14,095	246,913	73,030	145,001	28,882	.199	.703	.111
1986.....	106,947	112,404	15,002	14,772	248,958	73,047	146,384	29,526	.202	.701	.116
1987.....	107,207	113,342	15,001	15,424	250,974	73,132	147,632	30,210	.205	.700	.120
1988.....	107,588	114,331	15,007	16,025	252,951	73,248	148,880	30,823	.207	.699	.124
1989.....	107,919	115,377	15,020	16,565	254,881	73,233	150,166	31,481	.210	.697	.127
1990.....	108,197	116,471	15,038	17,050	256,755	73,062	151,562	32,131	.212	.694	.130
1991.....	108,424	117,556	15,061	17,525	258,566	72,746	153,105	32,715	.214	.689	.132
1992.....	108,607	118,625	15,087	17,989	260,308	72,707	154,300	33,301	.216	.687	.135
1993.....	108,748	119,682	15,118	18,429	261,977	72,777	155,306	33,894	.218	.687	.137
1994.....	108,853	120,729	15,151	18,840	263,572	72,870	156,272	34,431	.220	.687	.139
1995.....	108,925	121,760	15,187	19,225	265,096	72,846	157,310	34,940	.222	.685	.140
1996.....	108,966	122,767	15,225	19,593	266,551	72,825	158,317	35,408	.224	.684	.142
1997.....	108,975	123,754	15,265	19,946	267,940	72,609	159,529	35,803	.224	.680	.143
1998.....	108,948	124,733	15,308	20,279	269,268	72,326	160,814	36,128	.225	.674	.145
1999.....	108,879	125,714	15,352	20,593	270,539	71,898	162,201	36,440	.225	.668	.146
2000.....	108,765	126,702	15,399	20,890	271,755	71,314	163,632	36,809	.225	.661	.147
2010.....	105,551	136,892	15,981	23,172	281,596	63,838	174,982	42,776	.244	.609	.152
2020.....	101,536	144,095	17,145	24,390	287,167	59,429	170,405	57,333	.336	.685	.151
2030.....	97,243	145,572	19,343	24,632	286,790	55,310	158,198	73,281	.463	.813	.149
2040.....	92,058	142,850	21,630	24,210	280,748	50,855	151,377	78,517	.519	.855	.147
2050.....	86,692	137,626	22,504	23,326	270,149	47,489	141,736	80,924	.571	.906	.146
2060.....	81,488	131,725	22,037	22,322	257,572	44,181	130,778	82,613	.632	.970	.145
2070.....	76,621	125,869	21,372	21,398	245,260	41,145	122,857	81,259	.661	.996	.145
2080.....	72,129	119,746	20,735	20,504	233,114	38,536	114,691	79,887	.697	1.033	.146

Note: The aged dependency ratio is the ratio of the number of persons aged 65 and older to the number of persons aged 20 to 64. The total dependency ratio is the same as the aged dependency ratio

except the number of persons under age 20 are also included in the numerator of the ratio. The disunity ratio is the ratio of the number of divorced persons to the number of married and widowed persons.

CHART 5.--Distribution of the Population by Marital Status, Ages 0-100
JULY 1, 1984



JULY 1, 2000 (ALTERNATIVE II)

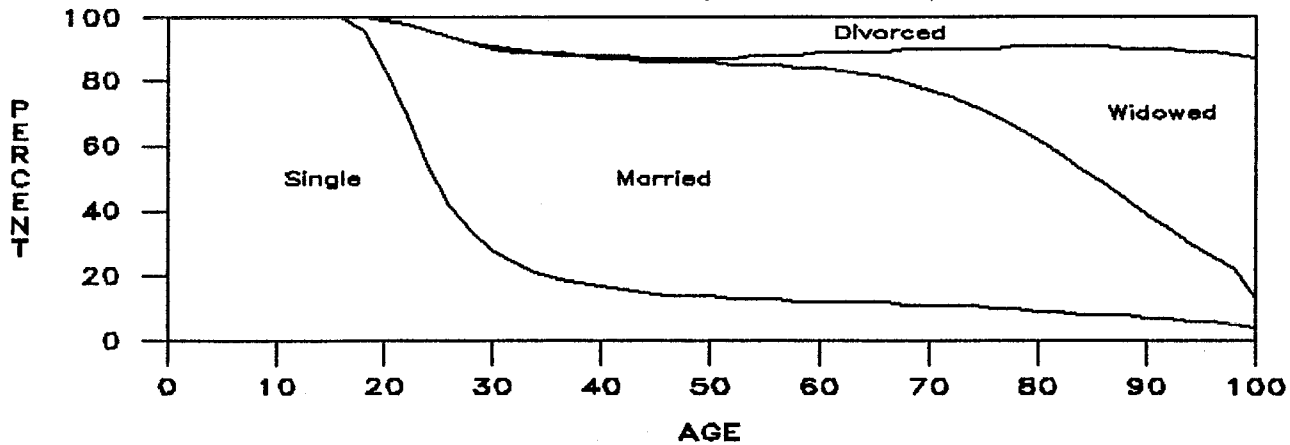
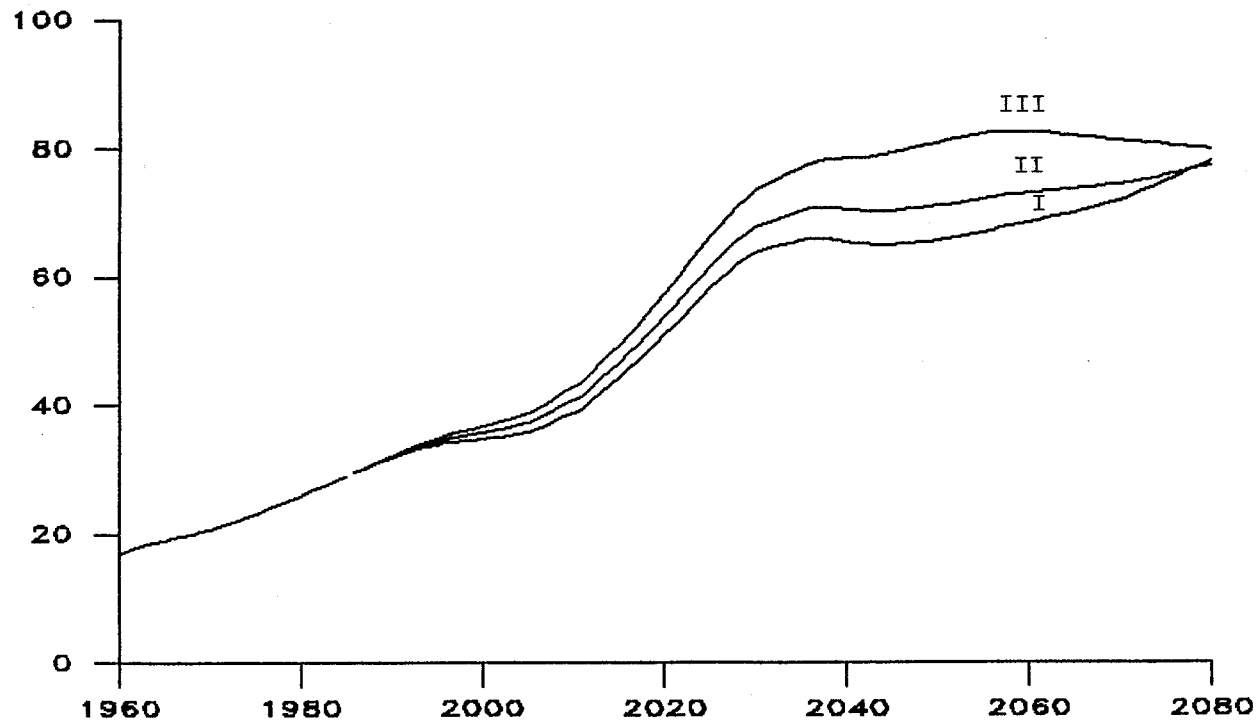


CHART 6.--Social Security Area Population Aged 65+ (in millions), 1960-2080

Actual and Projected by Alternative



The aged dependency ratio given in Table 19 is the ratio of the number of persons aged 65 and over to the number of persons aged 20 to 64. The aged dependency ratio is also shown graphically in Chart 7. This ratio is closely related to the ratio of retirees to workers and, thus, provides an index of possible future demographic pressures which may be faced by Social Security. Under Alternative I, the aged dependency ratio is projected to increase from .198 in 1984 to .341 in the year 2032 and then to decrease to an ultimate level of about .305. Under Alternative II, the aged dependency ratio is projected to increase to .40 in 2035 and then to stay around that level until 2071 when the ratio starts increasing again, obtaining a value of .416 in the year 2080. Under Alternative III, the aged dependency ratio is projected to increase throughout the entire projection period to .697 in the year 2080. A sharp increase in the aged dependency ratio shortly after the turn of the century appears certain as the baby-boom generation attains age 65 while the baby-bust generation attains age 20. The magnitude of the increase, however, will depend upon future mortality reductions among the aged and future fertility rates. Even under optimistic assumptions, however, the aged dependency ratio will increase about 70 percent by the year 2030.

Since not everyone retires at age 65 and since the minimum age at which unreduced benefits are payable is scheduled to increase, it is interesting to observe the aged dependency ratio using cutoff ages other than 65. Table 20 displays these ratios at age 62 when retired worker benefits are first available, at age 67 which will be the normal retirement age (i.e., the minimum age at which unreduced retirement benefits are payable) after 2026, and age 70 after which delayed retirement credits can no longer be earned. In Table 21 the ages necessary to maintain an aged dependency ratio of .20, .25, and .30 are given. In order to maintain an aged dependency ratio of .20 (the approximate age 65 dependency ratio in 1984) the aged dependency ratio in 2080 must be calculated at ages 70, 75, and 83 under Alternatives I, II, and III, respectively. Under all three alternatives, the age necessary to maintain a selected aged dependency ratio increases rapidly from 2010 to 2040.

Table 20.—Aged Dependency Ratios at Selected Retirement Ages by Calendar Year and Alternative

Alternative and year	Age			
	62	65	67	70
1940.....	.154	.113	.091	.064
1950.....	.184	.137	.112	.079
1960.....	.227	.172	.141	.101
1970.....	.240	.183	.152	.114
1980.....	.249	.193	.161	.120
1981.....	.250	.194	.162	.121
1982.....	.251	.195	.164	.123
1983.....	.253	.197	.165	.124
1984.....	.255	.198	.166	.125
1985.....	.257	.199	.167	.126
Alternative I:				
1986.....	.258	.201	.169	.127
1987.....	.260	.204	.170	.129
1988.....	.261	.206	.172	.130
1989.....	.262	.207	.175	.131
1990.....	.263	.209	.176	.133

Table 20.—Aged Dependency Ratios at Selected Retirement Ages by Calendar Year and Alternative (Cont.)

Alternative and year	Age			
	62	65	67	70
Alternative I: (Cont.)				
1991.....	.263	.209	.177	.134
1992.....	.263	.210	.179	.136
1993.....	.263	.212	.180	.138
1994.....	.263	.212	.181	.139
1995.....	.261	.213	.182	.141
1996.....	.260	.213	.183	.142
1997.....	.259	.212	.183	.143
1998.....	.258	.211	.183	.143
1999.....	.257	.210	.182	.144
2000.....	.256	.209	.181	.144
2010.....	.282	.214	.180	.136
2020.....	.364	.274	.225	.165
2030.....	.421	.339	.287	.216
2040.....	.401	.329	.288	.230
2050.....	.386	.310	.266	.209
2060.....	.376	.304	.261	.205
2070.....	.371	.298	.257	.203
2080.....	.380	.305	.261	.204
Alternative II:				
1986.....	.259	.202	.169	.128
1987.....	.261	.204	.171	.129
1988.....	.262	.206	.173	.131
1989.....	.264	.208	.176	.132
1990.....	.265	.210	.177	.134
1991.....	.265	.212	.179	.136
1992.....	.266	.213	.181	.138
1993.....	.267	.215	.183	.140
1994.....	.267	.216	.185	.143
1995.....	.267	.218	.187	.145
1996.....	.266	.218	.188	.146
1997.....	.266	.218	.189	.148
1998.....	.266	.218	.189	.149
1999.....	.266	.217	.189	.150
2000.....	.266	.217	.189	.150
2010.....	.299	.228	.193	.148
2020.....	.397	.301	.248	.184
2030.....	.479	.388	.330	.251
2040.....	.481	.398	.349	.281
2050.....	.491	.396	.342	.272
2060.....	.494	.404	.351	.280
2070.....	.495	.404	.352	.284
2080.....	.510	.416	.361	.290
Alternative III:				
1986.....	.259	.202	.169	.128
1987.....	.261	.205	.171	.129
1988.....	.263	.207	.174	.131
1989.....	.265	.210	.177	.133
1990.....	.267	.212	.179	.135
1991.....	.268	.214	.181	.138
1992.....	.269	.216	.184	.140
1993.....	.271	.218	.186	.143
1994.....	.272	.220	.188	.146
1995.....	.272	.222	.191	.148
1996.....	.272	.224	.193	.150
1997.....	.273	.224	.194	.152
1998.....	.274	.225	.196	.154
1999.....	.274	.225	.196	.156
2000.....	.275	.225	.196	.157
2010.....	.318	.244	.208	.161
2020.....	.441	.336	.279	.209
2030.....	.569	.463	.396	.303
2040.....	.625	.519	.458	.372
2050.....	.705	.571	.495	.397
2060.....	.761	.632	.554	.449
2070.....	.794	.661	.584	.483
2080.....	.836	.697	.615	.507

Note: The aged dependency ratio calculated at a selected age is the ratio of the number of people in the population as of July 1 who are as old or older than the selected age to the number of people who are between 19 and the selected age.

Table 21.—Retirement Age at Selected Aged Dependency Ratios by Calendar Year and Alternative

Alternative and year	Dependency ratio		
	.20	.25	.30
1940.....	59	57	55
1950.....	61	59	56
1960.....	63	61	59
1970.....	64	62	59
1980.....	65	62	60
1981.....	65	62	60
1982.....	65	62	60
1983.....	65	62	60
1984.....	65	62	60
1985.....	65	62	60
Alternative I:			
1986.....	65	62	60
1987.....	65	63	60
1988.....	65	63	60
1989.....	65	63	60
1990.....	66	63	60
1991.....	66	63	60
1992.....	66	63	60
1993.....	66	63	60
1994.....	66	63	60
1995.....	66	63	60
1996.....	66	63	60
1997.....	66	63	60
1998.....	66	63	60
1999.....	66	62	60
2000.....	66	62	60
2010.....	66	63	61
2020.....	68	66	64
2030.....	71	69	67
2040.....	72	69	66
2050.....	71	68	65
2060.....	70	68	65
2070.....	70	67	65
2080.....	70	68	65
Alternative II:			
1986.....	65	62	60
1987.....	65	63	60
1988.....	65	63	60
1989.....	65	63	60
1990.....	66	63	60
1991.....	66	63	60
1992.....	66	63	60
1993.....	66	63	60
1994.....	66	63	60
1995.....	66	63	60
1996.....	66	63	60
1997.....	66	63	60
1998.....	66	63	60
1999.....	66	63	60
2000.....	66	63	60
2010.....	67	64	62
2020.....	69	67	65
2030.....	72	70	68
2040.....	74	72	69
2050.....	74	71	69
2060.....	74	71	69
2070.....	75	72	69

Table 21.—Retirement Age at Selected Aged Dependency Ratios by Calendar Year and Alternative (Cont.)

Alternative and year	Dependency ratio		
	.20	.25	.30
Alternative II: (Cont.)			
2080.....	75	72	70
Alternative III:			
1986.....	65	62	60
1987.....	65	63	60
1988.....	65	63	60
1989.....	66	63	60
1990.....	66	63	60
1991.....	66	63	60
1992.....	66	63	60
1993.....	66	63	60
1994.....	66	63	60
1995.....	66	63	60
1996.....	67	63	60
1997.....	67	63	61
1998.....	67	63	61
1999.....	67	63	61
2000.....	67	63	61
2010.....	67	65	63
2020.....	70	68	66
2030.....	74	72	70
2040.....	78	75	73
2050.....	79	76	74
2060.....	80	77	75
2070.....	81	79	77
2080.....	83	80	78

Note: The aged dependency ratio calculated at a selected age is the ratio of the number of people in the population as of July 1 who are as old or older than the selected age to the number of people in the population as of July 1 who are between age 19 and the selected age.

The total dependency ratio given in Tables 19 is the ratio of the number of persons who are under age 20 or over age 64 to the number of persons aged 20 to 64. This ratio views the possible future financial burdens to be borne by workers from a somewhat broader perspective. Under all three alternatives, the total dependency ratio is projected to decrease from .709 in 1984 until shortly after the turn of the century, reflecting the small number of children resulting from the low fertility rates experienced since 1970 and projected to be experienced in the near future, and the slow growth in the aged population resulting from the low fertility rates experienced during the 1930's. Starting around 2010, the total dependency ratios begin to rise, largely reflecting the same effects that influence the aged dependency ratios. Projected values of the total dependency ratio in 2080 range from .833 under Alternative I to 1.033 under Alternative III or roughly from 17 to 46 percent higher than the 1984 value.

CHART 7.--Ratio of Population Aged 65+ to Population Aged 20-64, 1960-2080

Actual and Projected by Alternative

