

# ACTUARIAL TABLES BASED ON THE U. S. LIFE TABLES: 1979-81

**ACTUARIAL STUDY NO. 96**

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**LIST OF ACTUARIAL TABLES BASED ON U.S. MORTALITY DURING 1979-81**

Table	Race and sex	Interest rate (percent)	Page
1A	Total Population	1	3
1B	Total Population	1.5	4
1C	Total Population	2	5
1D	Total Population	3	6
1E	Total Population	4	7
1F	Total Population	5	8
1G	Total Population	6	9
1H	Total Population	7	10
1I	Total Population	8	11
1J	Total Population	10	12
1K	Total Population	12	13
2A	Males	1	14
2B	Males	1.5	15
2C	Males	2	16
2D	Males	3	17
2E	Males	4	18
2F	Males	5	19
2G	Males	6	20
2H	Males	7	21
2I	Males	8	22
2J	Males	10	23
2K	Males	12	24
3A	Females	1	25
3B	Females	1.5	26
3C	Females	2	27
3D	Females	3	28
3E	Females	4	29
3F	Females	5	30
3G	Females	6	31
3H	Females	7	32
3I	Females	8	33
3J	Females	10	34
3K	Females	12	35
4A	White Population	1	36
4B	White Population	1.5	37
4C	White Population	2	38
4D	White Population	3	39
4E	White Population	4	40
4F	White Population	5	41
4G	White Population	6	42
4H	White Population	7	43
4I	White Population	8	44
4J	White Population	10	45
4K	White Population	12	46
5A	White Males	1	47
5B	White Males	1.5	48
5C	White Males	2	49
5D	White Males	3	50
5E	White Males	4	51
5F	White Males	5	52
5G	White Males	6	53
5H	White Males	7	54
5I	White Males	8	55
5J	White Males	10	56
5K	White Males	12	57
6A	White Females	1	58
6B	White Females	1.5	59
6C	White Females	2	60
6D	White Females	3	61
6E	White Females	4	62
6F	White Females	5	63
6G	White Females	6	64
6H	White Females	7	65
6I	White Females	8	66
6J	White Females	10	67
6K	White Females	12	68
7A	Population Other than White	1	69
7B	Population Other than White	1.5	70
7C	Population Other than White	2	71
7D	Population Other than White	3	72
7E	Population Other than White	4	73
7F	Population Other than White	5	74
7G	Population Other than White	6	75

**LIST OF ACTUARIAL TABLES BASED ON U.S. MORTALITY DURING 1979-81 (Cont.)**

Table	Race and sex	Interest rate (percent)	Page
7H.....	Population Other than White.....	7	76
7I.....	Population Other than White.....	8	77
7J.....	Population Other than White.....	10	78
7K.....	Population Other than White.....	12	79
8A.....	Males Other than White.....	1	80
8B.....	Males Other than White.....	1.5	81
8C.....	Males Other than White.....	2	82
8D.....	Males Other than White.....	3	83
8E.....	Males Other than White.....	4	84
8F.....	Males Other than White.....	5	85
8G.....	Males Other than White.....	6	86
8H.....	Males Other than White.....	7	87
8I.....	Males Other than White.....	8	88
8J.....	Males Other than White.....	10	89
8K.....	Males Other than White.....	12	90
9A.....	Females Other than White.....	1	91
9B.....	Females Other than White.....	1.5	92
9C.....	Females Other than White.....	2	93
9D.....	Females Other than White.....	3	94
9E.....	Females Other than White.....	4	95
9F.....	Females Other than White.....	5	96
9G.....	Females Other than White.....	6	97
9H.....	Females Other than White.....	7	98
9I.....	Females Other than White.....	8	99
9J.....	Females Other than White.....	10	100
9K.....	Females Other than White.....	12	101
10A.....	Black Population.....	1	102
10B.....	Black Population.....	1.5	103
10C.....	Black Population.....	2	104
10D.....	Black Population.....	3	105
10E.....	Black Population.....	4	106
10F.....	Black Population.....	5	107
10G.....	Black Population.....	6	108
10H.....	Black Population.....	7	109
10I.....	Black Population.....	8	110
10J.....	Black Population.....	10	111
10K.....	Black Population.....	12	112
11A.....	Black Males.....	1	113
11B.....	Black Males.....	1.5	114
11C.....	Black Males.....	2	115
11D.....	Black Males.....	3	116
11E.....	Black Males.....	4	117
11F.....	Black Males.....	5	118
11G.....	Black Males.....	6	119
11H.....	Black Males.....	7	120
11I.....	Black Males.....	8	121
11J.....	Black Males.....	10	122
11K.....	Black Males.....	12	123
12A.....	Black Females.....	1	124
12B.....	Black Females.....	1.5	125
12C.....	Black Females.....	2	126
12D.....	Black Females.....	3	127
12E.....	Black Females.....	4	128
12F.....	Black Females.....	5	129
12G.....	Black Females.....	6	130
12H.....	Black Females.....	7	131
12I.....	Black Females.....	8	132
12J.....	Black Females.....	10	133
12K.....	Black Females.....	12	134

# ACTUARIAL TABLES BASED ON THE U. S. LIFE TABLES: 1979-81

## Introduction

The National Center for Health Statistics prepares, at 10 year intervals, life tables for the death registration states based on a census of population and deaths in a 3-year period containing the census year. The series of tables began with tables for the period 1900-02. The most recent set of tables is for the period 1979-81. The actuarial functions published in this study are based on the most recent set of tables as published in "U.S. Decennial Life Tables for 1979-81", Vol. 1, No. 1, DHHS Publication No. (PHS) 85-1150-1 by the National Center for Health Statistics. A copy of that publication can be obtained from the Government Printing Office (phone number: 202-783-3238) for a price of \$1.75. The stock number which must be given to the Government Printing Office when requesting the publication is 017-022-00881-5.

The actuarial functions in this study can be used to calculate present values of expected future payments contingent upon the death or survival of a designated individual. A series of periodic payments to continue during the life of an individual is called a *life annuity*. A payment to be made on the death of an individual is called a *life insurance*.

As with the 1979-81 U.S. decennial life tables, the actuarial functions included here were calculated (by sex and for both sexes combined) for the total population, the white population, the population other than white, and the black population. For each of the race-sex combinations described in the preceding sentence, actuarial functions were tabulated using interest rates of 1%, 1.5%, 2%, 3%, 4%, 5%, 6%, 7%, 8%, 10%, and 12%. The values were calculated to more decimals than are shown and were rounded individually by the computer. Therefore, there may be small discrepancies from the mathematical relationships that should hold among the various columns.

Actuarial textbooks<sup>1</sup> should be consulted for more detailed information about actuarial functions than is presented in this study.

## Life Annuities

Let  $i$  denote the annual assumed rate of interest expressed in decimal form (e.g.,  $i = .07$  if the rate is 7 percent). Then \$1 deposited now will accumulate at compound interest to  $(1+i)^n$  at the end of  $n$  years. Conversely, the present value today of a payment of \$1 due at the end of  $n$  years is  $(1+i)^{-n} = v^n$  where  $v$  is used to denote the reciprocal of  $(1+i)$ . Thus, the present value of a series of payments of \$1 due at the end of each of the next 10 years is given by the equation

$$v + v^2 + v^3 + \dots + v^{10}.$$

Now suppose that the series of payments is paid at the end of the year only if an individual now exact age  $x$  is alive at the time the payment is to be made. In the life table  $l_x$  is the number of survivors to age  $x$  out of  $l_0$  births. Therefore, using the mortality experience of a specific life table, the probability of an individual exact

age  $x$  surviving to age  $x+t$  is

$$l_{x+t} \div l_x.$$

The formula for the present value of the series of payments of \$1 due at the end of each of the next 10 years to an individual exact age  $x$  provided that individual is alive at the time each payment is to be made becomes

$$(v l_{x+1} \div l_x) + (v^2 l_{x+2} \div l_x) + \dots + (v^{10} l_{x+10} \div l_x).$$

If the period of payments is extended from 10 years to the lifetime of the individual the present value or *life annuity*, denoted  $a_x$ , is as follows

$$a_x = (v l_{x+1} \div l_x) + (v^2 l_{x+2} \div l_x) + (v^3 l_{x+3} \div l_x) + \dots$$

where the addition continues to the end of the life table<sup>2</sup>.

The preceding formula provides a means of calculating  $a_x$ , the present value at age  $x$  of a life annuity of \$1 per year. However, it would be laborious to make this calculation for many different ages and interest rates. Thus a shortcut method of tabulating certain auxiliary values called *commutation functions* is used. If each term of the right hand side of the above equation were multiplied by  $v^x \div v^x$  the equation becomes

$$a_x = ((v^{x+1} l_{x+1}) \div (v^x l_x)) + ((v^{x+2} l_{x+2}) \div (v^x l_x)) + \dots$$

If we define the following commutation functions

$$D_x = v^x l_x$$

and

$$N_x = D_x + D_{x+1} + D_{x+2} + \dots,$$

the formula for  $a_x$  can now be written as

$$a_x = N_{x+1} \div D_x.$$

The preceding formula is a special case of the general life annuity formula. The value at age  $k$  of a life annuity of  $R$  per annum under which the first payment is made at age  $y$  and the last payment at age  $j-1$  (all payments being contingent upon the survival of the annuitant) is

$$R(N_y - N_j) \div D_k.$$

## Life Insurances

A *life insurance* is a contract to pay a designated amount of money on the death of a certain individual, called the *insured*. In the life table, the probability of an individual exact age  $x$  dying between ages  $x+t$  and age  $x+t+1$  can be expressed as

$$(l_{x+t} - l_{x+t+1}) \div l_x$$

or

$$d_{x+t} \div l_x$$

where  $d_{x+t} = l_{x+t} - l_{x+t+1}$  denotes the number of deaths between ages  $x+t$  and  $x+t+1$  in the life table. Then the present value, denoted  $A_x$ , of the payment of \$1 on the next birthday of the insured following his date of death is as follows:

<sup>2</sup>In this study, the end of the life table differed with each race-sex combination of the population. The ending age was chosen to be consistent with the values published in "U.S. Decennial Life Tables for 1979-81". Actuarial functions, however, are not shown beyond age 109.

<sup>1</sup>Jordan, C. W. Jr.: *Life Contingencies*. Chicago. The Society of Actuaries, 1967.



$$A_x = (vd_x \div l_x) + (v^2d_{x+1} \div l_x) + (v^3d_{x+2} \div l_x) + \dots$$

Multiplying each term of the right hand side of the equation by  $v^x \div v^x$  yields

$$A_x = ((v^{x+1}d_x) \div (v^x l_x)) + ((v^{x+2}d_{x+1}) \div (v^x l_x)) + \dots$$

Introduction of two new commutation functions,

$$C_x = v^{x+1}d_x$$

and

$$M_x = C_x + C_{x+1} + C_{x+2} + \dots$$

gives

$$A_x = M_x D_x.$$

In fact, there is a *general life insurance formula*,

$$R(M_y - M_j) \div D_k$$

which gives the present value determined at age  $k$  for life insurance coverage commencing at age  $y$  and terminating at age  $j$  with  $R$  as the amount of insurance.

TABLE 1A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	5,194,676.1	48,567.475	50.9468	55.....	51,112.999	1,087,078.9	40,349.754	20.2681
1.....	97,762.376	5,094,676.1	47,319.950	51.1129	56.....	50,150.456	1,035,965.9	39,893.279	19.6572
2.....	96,704.413	4,996,913.7	47,229.931	50.6720	57.....	49,168.301	985,815.44	39,407.664	19.0498
3.....	95,684.708	4,900,209.3	47,167.696	50.2120	58.....	48,165.949	936,647.14	38,892.127	18.4463
4.....	94,689.966	4,804,524.6	47,120.327	49.7395	59.....	47,140.158	888,481.19	38,343.226	17.8476
5.....	93,714.941	4,709,834.6	47,082.826	49.2570	60.....	46,088.139	841,341.03	37,757.941	17.2550
6.....	92,752.739	4,616,119.7	47,048.495	48.7680	61.....	45,007.577	795,252.90	37,133.698	16.6693
7.....	91,804.090	4,523,367.0	47,018.190	48.2720	62.....	43,896.648	750,245.32	36,468.388	16.0912
8.....	90,867.870	4,431,562.9	46,990.921	47.7693	63.....	42,754.466	706,348.67	35,760.826	15.5211
9.....	89,943.896	4,340,695.0	46,966.630	47.2600	64.....	41,583.163	663,594.20	35,012.835	14.9582
10.....	89,032.880	4,250,751.1	46,946.148	46.7436	65.....	40,384.662	622,011.04	34,226.048	14.4022
11.....	88,133.736	4,161,718.2	46,928.517	46.2205	66.....	39,161.526	581,626.38	33,402.761	13.8520
12.....	87,244.546	4,073,584.5	46,911.938	45.6916	67.....	37,914.561	542,464.85	32,543.534	13.3076
13.....	86,359.143	3,986,339.9	46,890.342	45.1600	68.....	36,642.359	504,550.29	31,646.723	12.7696
14.....	85,472.465	3,899,980.8	46,858.706	44.6285	69.....	35,341.736	467,907.93	30,708.896	12.2395
15.....	84,581.352	3,814,508.3	46,813.854	44.0987	70.....	34,009.948	432,566.20	29,727.026	11.7188
16.....	83,686.129	3,729,927.0	46,756.071	43.5704	71.....	32,645.509	398,556.25	28,699.319	11.2086
17.....	82,788.782	3,646,240.9	46,687.299	43.0427	72.....	31,250.802	365,910.74	27,627.836	10.7088
18.....	81,891.220	3,563,452.1	46,609.428	42.5145	73.....	29,829.664	334,659.94	26,516.111	10.2190
19.....	80,995.282	3,481,560.9	46,524.294	41.9847	74.....	28,387.799	304,830.27	25,369.589	9.7381
20.....	80,103.532	3,400,565.6	46,434.477	41.4521	75.....	26,930.746	276,442.48	24,193.603	9.2649
21.....	79,215.255	3,320,462.0	46,339.305	40.9170	76.....	25,462.354	249,511.73	22,991.852	8.7992
22.....	78,331.338	3,241,246.8	46,239.698	40.3787	77.....	23,983.268	224,049.38	21,764.869	8.3419
23.....	77,453.407	3,162,915.4	46,137.324	39.8364	78.....	22,493.456	200,066.11	20,512.515	7.8944
24.....	76,583.781	3,085,462.0	46,034.564	39.2887	79.....	20,991.962	177,572.65	19,233.729	7.4591
25.....	75,724.678	3,008,878.3	45,933.716	38.7344	80.....	19,479.502	156,580.69	17,929.110	7.0382
26.....	74,875.962	2,933,153.6	45,834.749	38.1735	81.....	17,959.329	137,101.19	16,601.803	6.6340
27.....	74,037.499	2,858,277.6	45,737.633	37.6058	82.....	16,438.654	119,141.86	15,258.943	6.2477
28.....	73,209.159	2,784,240.1	45,642.337	37.0313	83.....	14,928.577	102,703.20	13,911.625	5.8796
29.....	72,390.086	2,711,031.0	45,548.107	36.4503	84.....	13,444.440	87,774.628	12,575.296	5.5287
30.....	71,579.461	2,638,640.9	45,454.215	35.8631	85.....	12,001.226	74,330.188	11,265.195	5.1935
31.....	70,776.495	2,567,061.4	45,359.957	35.2700	86.....	10,608.014	62,328.963	9,990.8073	4.8756
32.....	69,981.836	2,496,284.9	45,266.056	34.6705	87.....	9,272.8746	51,720.949	8,760.6978	4.5777
33.....	69,194.021	2,426,303.1	45,171.130	34.0652	88.....	8,013.5081	42,448.074	7,593.1419	4.2971
34.....	68,411.649	2,357,109.1	45,073.847	33.4548	89.....	6,846.5509	34,434.566	6,505.5263	4.0295
35.....	67,632.704	2,288,697.4	44,972.246	32.8401	90.....	5,780.3870	27,588.015	5,507.1501	3.7727
36.....	66,856.602	2,221,064.7	44,865.774	32.2213	91.....	4,815.0051	21,807.628	4,598.9998	3.5291
37.....	66,082.125	2,154,208.1	44,753.243	31.5990	92.....	3,948.8286	16,992.623	3,780.4966	3.3032
38.....	65,308.113	2,088,126.0	44,633.511	30.9735	93.....	3,183.6942	13,043.794	3,054.4595	3.0971
39.....	64,534.115	2,022,817.9	44,506.127	30.3449	94.....	2,521.0130	9,860.1000	2,423.3000	2.9112
40.....	63,759.067	1,958,283.8	44,370.031	29.7138	95.....	1,959.5260	7,339.0871	1,886.7735	2.7453
41.....	62,981.333	1,894,524.7	44,223.574	29.0807	96.....	1,494.3617	5,379.5611	1,441.0104	2.5999
42.....	62,199.366	1,831,543.4	44,065.185	28.4463	97.....	1,119.4692	3,885.1994	1,080.9137	2.4706
43.....	61,411.713	1,769,344.0	43,893.367	27.8112	98.....	824.22862	2,765.7302	796.75689	2.3555
44.....	60,617.617	1,707,932.3	43,707.308	27.1755	99.....	596.80681	1,941.5015	577.49576	2.2531
45.....	59,816.384	1,647,314.7	43,506.250	26.5395	100.....	425.26917	1,344.6947	411.86710	2.1620
46.....	59,007.382	1,587,498.3	43,289.489	25.9034	101.....	298.44632	919.42557	289.25484	2.0807
47.....	58,188.874	1,528,490.9	43,055.213	25.2678	102.....	206.43325	620.97925	200.19668	2.0081
48.....	57,358.098	1,470,302.0	42,800.564	24.6337	103.....	140.84675	414.54599	136.65407	1.9432
49.....	56,513.060	1,412,943.9	42,523.428	24.0021	104.....	94.869352	273.69924	92.071195	1.8850
50.....	55,652.495	1,356,430.9	42,222.398	23.3732	105.....	63.134144	178.82989	61.275288	1.8325
51.....	54,776.932	1,300,778.4	41,897.850	22.7468	106.....	41.544142	115.69575	40.310376	1.7849
52.....	53,886.400	1,246,001.4	41,549.664	22.1227	107.....	27.051818	74.151604	26.229380	1.7411
53.....	52,979.935	1,192,115.0	41,176.728	21.5013	108.....	17.444405	47.099786	16.889807	1.7000
54.....	52,056.196	1,139,135.1	40,777.542	20.8828	109.....	11.148356	29.655381	10.766475	1.6601

**TABLE 1B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,434,347.5	34,467.722	43.3435	55.....	38,956.022	777,397.97	27,467.333	18.9558
1.....	97,280.788	4,334,347.5	33,226.342	43.5550	56.....	38,034.127	738,441.95	27,121.142	18.4152
2.....	95,754.007	4,237,066.7	33,137.208	43.2495	57.....	37,105.569	700,407.82	26,754.666	17.8761
3.....	94,277.603	4,141,312.7	33,075.888	42.9268	58.....	36,170.070	663,302.25	26,367.525	17.3384
4.....	92,837.896	4,047,035.1	33,029.446	42.5925	59.....	35,225.372	627,132.18	25,957.360	16.8034
5.....	91,429.321	3,954,197.2	32,992.859	42.2487	60.....	34,269.602	591,906.81	25,522.162	16.2721
6.....	90,044.819	3,862,767.9	32,959.530	41.8983	61.....	33,301.275	557,637.21	25,060.282	15.7452
7.....	88,684.832	3,772,723.1	32,930.255	41.5408	62.....	32,319.297	524,335.93	24,570.441	15.2236
8.....	87,348.007	3,684,038.3	32,904.042	41.1766	63.....	31,323.290	492,016.63	24,052.059	14.7077
9.....	86,033.914	3,596,690.3	32,880.807	40.8055	64.....	30,315.081	460,693.34	23,506.756	14.1968
10.....	84,742.981	3,510,656.3	32,861.312	40.4271	65.....	29,296.315	430,378.26	22,935.996	13.6905
11.....	83,473.924	3,425,913.4	32,844.614	40.0417	66.....	28,269.068	401,081.95	22,341.700	13.1880
12.....	82,224.694	3,342,439.4	32,828.988	39.6501	67.....	27,234.114	372,812.88	21,724.515	12.6892
13.....	80,989.298	3,260,214.7	32,808.735	39.2549	68.....	26,190.631	345,578.77	21,083.507	12.1947
14.....	79,762.889	3,179,225.4	32,779.212	38.8585	69.....	25,136.555	319,388.14	20,416.484	11.7061
15.....	78,542.477	3,099,462.6	32,737.563	38.4622	70.....	24,070.171	294,251.58	19,721.576	11.2247
16.....	77,328.357	3,020,920.1	32,684.169	38.0661	71.....	22,990.689	270,181.41	18,997.811	10.7518
17.....	76,122.340	2,943,591.7	32,620.935	37.6692	72.....	21,900.047	247,190.72	18,246.933	10.2872
18.....	74,926.132	2,867,469.4	32,549.688	37.2706	73.....	20,801.161	225,290.67	17,471.693	9.8307
19.....	73,741.339	2,792,543.2	32,472.178	36.8694	74.....	19,698.187	204,489.51	16,676.125	9.3811
20.....	72,570.196	2,718,801.9	32,390.808	36.4644	75.....	18,595.088	184,791.33	15,864.133	8.9376
21.....	71,411.933	2,646,231.7	32,305.011	36.0559	76.....	17,494.589	166,196.24	15,038.438	8.4999
22.....	70,267.231	2,574,819.8	32,215.658	35.6433	77.....	16,397.170	148,701.65	14,199.559	8.0687
23.....	69,137.417	2,504,552.5	32,124.276	35.2257	78.....	15,302.840	132,304.48	13,347.553	7.6457
24.....	68,024.407	2,435,415.1	32,033.001	34.8021	79.....	14,210.987	117,001.64	12,481.849	7.2332
25.....	66,929.984	2,367,390.7	31,943.866	34.3712	80.....	13,122.131	102,790.65	11,603.008	6.8334
26.....	65,853.829	2,300,460.7	31,856.824	33.9328	81.....	12,038.489	89,668.521	10,713.289	6.4485
27.....	64,795.627	2,234,606.9	31,771.830	33.4870	82.....	10,964.869	77,630.032	9,817.5780	6.0799
28.....	63,755.066	2,169,811.3	31,688.841	33.0336	83.....	9,908.5685	66,665.164	8,923.3200	5.7280
29.....	62,731.216	2,106,056.2	31,607.184	32.5727	84.....	8,879.5417	56,756.595	8,040.7252	5.3918
30.....	61,723.191	2,043,325.0	31,526.220	32.1047	85.....	7,887.3076	47,877.053	7,179.7159	5.0701
31.....	60,730.147	1,981,601.8	31,445.342	31.6296	86.....	6,937.3338	39,989.746	6,346.3033	4.7644
32.....	59,752.481	1,920,871.7	31,365.166	31.1471	87.....	6,034.3185	33,052.412	5,545.8102	4.4774
33.....	58,788.788	1,861,119.2	31,284.515	30.6577	88.....	5,189.0978	27,018.093	4,789.7666	4.2067
34.....	57,837.742	1,802,330.4	31,202.268	30.1618	89.....	4,411.6022	21,828.996	4,088.9572	3.9481
35.....	56,897.523	1,744,492.7	31,116.794	29.6603	90.....	3,706.2674	17,417.393	3,448.8185	3.6994
36.....	55,967.542	1,687,595.1	31,027.664	29.1531	91.....	3,072.0758	13,711.126	2,869.3993	3.4631
37.....	55,046.697	1,631,627.6	30,933.925	28.6408	92.....	2,507.0257	10,639.050	2,349.7493	3.2437
38.....	54,133.952	1,576,580.9	30,834.678	28.1237	93.....	2,011.3015	8,132.0245	1,891.0748	3.0432
39.....	53,228.875	1,522,446.9	30,729.610	27.6019	94.....	1,584.8065	6,120.7230	1,494.3034	2.8621
40.....	52,330.540	1,469,218.1	30,617.909	27.0757	95.....	1,225.7659	4,535.9165	1,158.6836	2.7005
41.....	51,437.569	1,416,887.5	30,498.296	26.5458	96.....	930.18118	3,310.1507	881.21365	2.5586
42.....	50,548.688	1,365,450.0	30,369.575	26.0126	97.....	693.39279	2,379.9695	658.17179	2.4324
43.....	49,662.716	1,314,901.3	30,230.629	25.4766	98.....	508.00757	1,686.5767	483.03375	2.3200
44.....	48,779.062	1,265,238.6	30,080.907	24.9381	99.....	366.02571	1,178.5691	348.55939	2.2199
45.....	47,897.194	1,216,459.5	29,919.912	24.3973	100....	259.53567	812.54342	247.47860	2.1308
46.....	47,016.641	1,168,562.3	29,747.199	23.8542	101....	181.24028	553.00775	173.01871	2.0512
47.....	46,136.063	1,121,545.7	29,561.448	23.3095	102....	124.74509	371.76748	119.20195	1.9802
48.....	45,253.342	1,075,409.6	29,360.540	22.7642	103....	84.692701	247.02238	80.993082	1.9167
49.....	44,367.001	1,030,156.2	29,142.968	22.2190	104....	56.764970	162.32968	54.316967	1.8597
50.....	43,476.164	985,789.25	28,907.801	21.6742	105....	37.590155	105.56471	35.981043	1.8083
51.....	42,581.369	942,313.08	28,655.510	21.1297	106....	24.613589	67.974556	23.559997	1.7617
52.....	41,682.755	899,731.71	28,386.178	20.5852	107....	15.948393	43.360968	15.258549	1.7188
53.....	40,779.697	858,048.96	28,099.121	20.0411	108....	10.233683	27.412575	9.7795293	1.6787
54.....	39,871.294	817,269.26	27,793.374	19.4977	109....	6.5079167	17.178892	6.2049996	1.6397

**TABLE 1C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,834,680.3	24,810.163	37.3468	55.....	29,730.176	558,078.92	18,787.425	17.7715
1.....	96,803.922	3,734,680.3	23,574.869	37.5798	56.....	28,884.323	528,348.75	18,524.517	17.2919
2.....	94,817.543	3,637,876.4	23,486.606	37.3671	57.....	28,041.014	499,464.42	18,247.567	16.8119
3.....	92,897.953	3,543,058.8	23,426.183	37.1393	58.....	27,200.059	471,423.41	17,956.435	16.3317
4.....	91,030.886	3,450,160.9	23,380.645	36.9010	59.....	26,359.790	444,223.35	17,649.501	15.8523
5.....	89,210.268	3,359,130.0	23,344.947	36.6541	60.....	25,518.861	417,863.56	17,325.431	15.3747
6.....	87,428.687	3,269,919.7	23,312.586	36.4010	61.....	24,676.238	392,344.70	16,983.178	14.8997
7.....	85,686.113	3,182,491.0	23,284.300	36.1413	62.....	23,831.198	367,668.46	16,621.985	14.4280
8.....	83,980.791	3,096,804.9	23,259.099	35.8752	63.....	22,983.555	343,837.26	16,241.621	13.9601
9.....	82,311.879	3,012,824.1	23,236.868	35.6025	64.....	22,134.741	320,853.71	15,843.465	13.4955
10.....	80,679.360	2,930,512.3	23,218.308	35.3229	65.....	21,286.026	298,718.96	15,428.764	13.0336
11.....	79,081.592	2,849,832.9	23,202.488	35.0366	66.....	20,438.967	277,432.94	14,999.078	12.5737
12.....	77,516.242	2,770,751.3	23,187.757	34.7441	67.....	19,594.156	256,993.97	14,555.032	12.1158
13.....	75,977.317	2,693,235.1	23,168.758	34.4479	68.....	18,751.031	237,399.82	14,096.106	11.6606
14.....	74,460.005	2,617,257.8	23,141.198	34.1498	69.....	17,908.154	218,648.78	13,620.896	11.2095
15.....	72,961.315	2,542,797.7	23,102.508	33.8513	70.....	17,064.364	200,740.63	13,128.246	10.7637
16.....	71,481.345	2,469,836.4	23,053.152	33.5522	71.....	16,219.176	183,676.27	12,617.653	10.3246
17.....	70,021.583	2,398,335.1	22,994.986	33.2517	72.....	15,374.030	167,457.09	12,090.530	9.8922
18.....	68,583.395	2,328,333.5	22,929.769	32.9489	73.....	14,531.021	152,083.06	11,548.972	9.4661
19.....	67,168.022	2,259,750.1	22,859.169	32.6432	74.....	13,693.065	137,552.04	10,995.939	9.0454
20.....	65,777.249	2,192,582.1	22,785.416	32.3334	75.....	12,862.889	123,858.97	10,434.255	8.6292
21.....	64,410.114	2,126,804.8	22,708.031	32.0197	76.....	12,042.313	110,996.09	9,865.8915	8.2172
22.....	63,066.973	2,062,394.7	22,627.834	31.7017	77.....	11,231.582	98,953.773	9,291.2843	7.8103
23.....	61,748.750	1,999,327.8	22,546.218	31.3784	78.....	10,430.616	87,722.191	8,710.5455	7.4101
24.....	60,456.869	1,937,579.0	22,465.097	31.0489	79.....	9,638.9116	77,291.575	8,123.3632	7.0187
25.....	59,192.610	1,877,122.1	22,386.266	30.7121	80.....	8,856.7423	67,652.664	7,530.1921	6.6385
26.....	57,955.368	1,817,929.5	22,309.664	30.3678	81.....	8,085.5110	58,795.921	6,932.6225	6.2718
27.....	56,744.555	1,759,974.2	22,235.231	30.0157	82.....	7,328.3267	50,710.410	6,333.9776	5.9198
28.....	55,559.595	1,703,229.6	22,162.909	29.6559	83.....	6,589.8900	43,382.084	5,739.2336	5.5831
29.....	54,399.380	1,647,670.0	22,092.098	29.2884	84.....	5,876.5667	36,792.194	5,155.1238	5.2608
30.....	53,262.860	1,593,270.6	22,022.232	28.9134	85.....	5,194.3089	30,915.627	4,588.0928	4.9518
31.....	52,149.040	1,540,007.8	21,952.782	28.5309	86.....	4,546.2934	25,721.318	4,041.9265	4.6576
32.....	51,058.000	1,487,858.7	21,884.272	28.1406	87.....	3,935.1289	21,175.025	3,519.9050	4.3810
33.....	49,988.285	1,436,800.7	21,815.694	27.7427	88.....	3,367.3515	17,239.896	3,029.2870	4.1197
34.....	48,938.531	1,386,812.4	21,746.103	27.3378	89.....	2,848.7794	13,872.544	2,576.7414	3.8696
35.....	47,906.983	1,337,873.9	21,674.134	26.9265	90.....	2,381.5796	11,023.765	2,165.4000	3.6288
36.....	46,892.952	1,289,966.9	21,599.456	26.5088	91.....	1,964.3829	8,642.1852	1,794.9009	3.3994
37.....	45,895.328	1,243,074.0	21,521.301	26.0850	92.....	1,595.2137	6,677.8024	1,464.2491	3.1861
38.....	44,913.078	1,197,178.6	21,438.959	25.6555	93.....	1,273.5123	5,082.5887	1,173.8263	2.9910
39.....	43,945.685	1,152,265.6	21,352.215	25.2202	94.....	998.54599	3,809.0764	923.83089	2.8146
40.....	42,992.236	1,108,319.9	21,260.446	24.7795	95.....	768.53777	2,810.5304	713.40201	2.6570
41.....	42,051.465	1,065,327.6	21,162.660	24.3339	96.....	580.35150	2,041.9926	540.28511	2.5185
42.....	41,122.210	1,023,276.2	21,057.944	23.8838	97.....	430.49564	1,461.6411	401.80868	2.3953
43.....	40,203.411	982,153.97	20,945.462	23.4296	98.....	313.85243	1,031.1455	293.60656	2.2854
44.....	39,294.498	941,950.56	20,824.852	22.9716	99.....	225.02604	717.29305	210.93414	2.1876
45.....	38,394.962	902,656.07	20,695.797	22.5098	100....	158.77572	492.26701	149.09610	2.1004
46.....	37,504.350	864,261.10	20,558.026	22.0443	101....	110.33356	333.49129	103.76719	2.0226
47.....	36,621.527	826,756.75	20,410.583	21.5757	102....	75.568754	223.15773	71.165785	1.9530
48.....	35,744.764	790,135.23	20,251.890	21.1049	103....	51.054102	147.58897	48.132873	1.8908
49.....	34,872.873	754,390.46	20,080.875	20.6326	104....	34.051084	96.534871	32.130916	1.8350
50.....	34,005.153	719,517.59	19,896.938	20.1591	105....	22.438329	62.483786	21.185829	1.7847
51.....	33,142.023	685,512.44	19,700.575	19.6841	106....	14.620331	40.045457	13.807798	1.7390
52.....	32,283.579	652,370.41	19,491.975	19.2075	107....	9.4268169	25.425126	8.9009571	1.6971
53.....	31,429.330	620,086.83	19,270.738	18.7296	108....	6.0192998	15.998309	5.6782796	1.6578
54.....	30,578.582	588,657.50	19,036.250	18.2506	109....	3.8090955	9.9790096	3.5861009	1.6198

**TABLE 1D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,969,494.1	13,509.872	28.6949	55.....	17,384.394	290,804.46	8,914.3531	15.7279
1.....	95,864.078	2,869,494.1	12,286.571	28.9329	56.....	16,725.813	273,420.06	8,762.1130	15.3472
2.....	92,985.363	2,773,630.0	12,200.014	28.8287	57.....	16,079.839	256,694.25	8,603.2990	14.9637
3.....	90,218.372	2,680,644.7	12,141.334	28.7128	58.....	15,446.169	240,614.41	8,437.9733	14.5776
4.....	87,546.857	2,590,426.3	12,097.539	28.5890	59.....	14,823.673	225,168.24	8,265.3661	14.1898
5.....	84,962.949	2,502,879.4	12,063.540	28.4585	60.....	14,211.441	210,344.57	8,084.8915	13.8011
6.....	82,457.780	2,417,916.5	12,033.019	28.3231	61.....	13,608.765	196,133.13	7,896.1415	13.4123
7.....	80,029.678	2,335,458.7	12,006.601	28.1824	62.....	13,015.133	182,524.36	7,698.8804	13.0240
8.....	77,675.407	2,255,429.0	11,983.291	28.0366	63.....	12,430.336	169,509.23	7,493.1655	12.6367
9.....	75,392.655	2,177,753.6	11,962.930	27.8855	64.....	11,855.041	157,078.90	7,279.9189	12.2500
10.....	73,179.917	2,102,361.0	11,946.094	27.7287	65.....	11,289.797	145,223.86	7,059.9676	11.8633
11.....	71,034.254	2,029,181.0	11,931.885	27.5662	66.....	10,735.282	133,934.06	6,834.2812	11.4761
12.....	68,952.192	1,958,146.8	11,918.781	27.3986	67.....	10,191.639	123,198.78	6,603.3163	11.0882
13.....	66,927.139	1,889,194.6	11,902.045	27.2276	68.....	9,658.4083	113,007.14	6,366.9297	10.7004
14.....	64,953.763	1,822,267.5	11,878.004	27.0548	69.....	9,134.6975	103,348.73	6,124.5318	10.3139
15.....	63,028.483	1,757,313.7	11,844.581	26.8813	70.....	8,619.7843	94,214.032	5,875.6778	9.9300
16.....	61,150.479	1,694,285.2	11,802.358	26.7068	71.....	8,113.3093	85,594.247	5,620.2644	9.5499
17.....	59,320.121	1,633,134.7	11,753.081	26.5309	72.....	7,615.8767	77,480.938	5,359.1418	9.1736
18.....	57,537.638	1,573,814.6	11,698.369	26.3528	73.....	7,128.3867	69,865.061	5,093.4734	8.8010
19.....	55,803.129	1,516,277.0	11,639.714	26.1719	74.....	6,652.0997	62,736.675	4,824.8094	8.4311
20.....	54,117.116	1,460,473.8	11,579.035	25.9873	75.....	6,188.1319	56,084.575	4,554.5921	8.0632
21.....	52,477.840	1,406,356.7	11,515.985	25.7991	76.....	5,737.1192	49,896.443	4,283.8162	7.6971
22.....	50,884.654	1,353,878.9	11,451.280	25.6068	77.....	5,298.9259	44,159.324	4,012.7234	7.3336
23.....	49,337.365	1,302,994.2	11,386.068	25.4099	78.....	4,873.2626	38,860.398	3,741.3978	6.9742
24.....	47,836.168	1,253,656.9	11,321.882	25.2073	79.....	4,459.6504	33,987.135	3,469.7253	6.6210
25.....	46,381.113	1,205,820.7	11,260.113	24.9981	80.....	4,057.9788	29,527.485	3,197.9464	6.2764
26.....	44,970.767	1,159,439.6	11,200.673	24.7821	81.....	3,668.6492	25,469.506	2,926.8104	5.9425
27.....	43,603.743	1,114,468.8	11,143.477	24.5590	82.....	3,292.8086	21,800.857	2,657.8236	5.6207
28.....	42,278.697	1,070,865.1	11,088.443	24.3287	83.....	2,932.2620	18,508.048	2,393.1841	5.3119
29.....	40,993.917	1,028,586.4	11,035.082	24.0912	84.....	2,589.4720	15,575.786	2,135.7998	5.0150
30.....	39,747.782	987,592.46	10,982.944	23.8465	85.....	2,266.6177	12,986.314	1,888.3669	4.7294
31.....	38,538.754	947,844.68	10,931.619	23.5946	86.....	1,964.5854	10,719.697	1,652.3526	4.4565
32.....	37,366.129	909,305.93	10,881.481	23.3350	87.....	1,683.9739	8,755.1112	1,428.9621	4.1991
33.....	36,228.094	871,939.80	10,831.781	23.0681	88.....	1,427.0126	7,071.1373	1,221.0486	3.9552
34.....	35,122.961	835,711.70	10,781.835	22.7939	89.....	1,195.5317	5,644.1248	1,031.1312	3.7210
35.....	34,048.813	800,588.74	10,730.685	22.5130	90.....	989.76099	4,448.5930	860.18176	3.4946
36.....	33,004.539	766,539.93	10,678.125	22.2253	91.....	808.45215	3,458.8320	707.70091	3.2783
37.....	31,988.768	733,535.39	10,623.651	21.9310	92.....	650.14466	2,650.3799	572.94057	3.0766
38.....	31,000.222	701,546.62	10,566.817	21.6304	93.....	513.99301	2,000.2352	455.72517	2.8916
39.....	30,038.011	670,546.40	10,507.525	21.3233	94.....	399.10309	1,486.2422	355.80593	2.7240
40.....	29,101.000	640,508.39	10,445.407	21.0098	95.....	304.19018	1,087.1391	272.51737	2.5739
41.....	28,187.850	611,407.39	10,379.860	20.6905	96.....	227.47519	782.94894	204.66229	2.4419
42.....	27,297.333	583,219.54	10,310.348	20.3654	97.....	167.09930	555.47375	150.91189	2.3242
43.....	26,428.324	555,922.21	10,236.406	20.0351	98.....	120.64083	388.37445	109.32039	2.2193
44.....	25,580.052	529,493.88	10,157.891	19.6995	99.....	85.657329	267.73363	77.850704	2.1256
45.....	24,751.804	503,913.83	10,074.694	19.3587	100....	59.852019	182.07630	54.540267	2.0421
46.....	23,942.925	479,162.03	9,986.7410	19.0127	101....	41.187486	122.22428	37.618998	1.9675
47.....	23,152.344	455,219.10	9,893.5263	18.6619	102....	27.935913	81.036793	25.567059	1.9008
48.....	22,378.651	432,066.76	9,794.1735	18.3071	103....	18.690210	53.100881	17.135024	1.8411
49.....	21,620.818	409,688.11	9,688.1465	17.9488	104....	12.344612	34.410670	11.333801	1.7875
50.....	20,878.154	388,067.29	9,575.2145	17.5872	105....	8.0556382	22.066059	7.4043790	1.7392
51.....	20,150.662	367,189.13	9,455.8239	17.2222	106....	5.1979201	14.010420	4.7812911	1.6954
52.....	19,438.150	347,038.47	9,330.2246	16.8535	107....	3.3189477	8.8125003	3.0537144	1.6552
53.....	18,740.075	327,600.32	9,198.3094	16.4813	108....	2.0986705	5.4935526	1.9301056	1.6176
54.....	18,055.789	308,860.25	9,059.8512	16.1059	109....	1.3151736	3.3948821	1.2077351	1.5813

**TABLE 1E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,393,072.8	7,958.7366	22.9307	55.....	10,218.173	153,664.01	4,308.0164	14.0383
1.....	94,942.308	2,293,072.8	6,747.1981	23.1523	56.....	9,736.5436	143,445.83	4,219.3934	13.7327
2.....	91,205.780	2,198,130.5	6,662.2978	23.1008	57.....	9,270.5002	133,709.29	4,127.8325	13.4231
3.....	87,640.862	2,106,924.7	6,605.2942	23.0404	58.....	8,819.5439	124,438.79	4,033.4338	13.1094
4.....	84,227.924	2,019,283.8	6,563.1592	22.9740	59.....	8,382.7220	115,619.25	3,935.8252	12.7926
5.....	80,955.994	1,935,055.9	6,530.7638	22.9026	60.....	7,959.2334	107,236.52	3,834.7489	12.4732
6.....	77,813.500	1,854,099.9	6,501.9622	22.8275	61.....	7,548.4145	99,277.291	3,730.0544	12.1521
7.....	74,795.982	1,776,286.4	6,477.2713	22.7484	62.....	7,149.7275	91,728.877	3,621.6911	11.8297
8.....	71,897.638	1,701,490.4	6,455.6956	22.6655	63.....	6,762.8173	84,579.149	3,509.7704	11.5065
9.....	69,113.678	1,629,592.8	6,437.0298	22.5784	64.....	6,387.8061	77,816.332	3,394.8675	11.1820
10.....	66,440.175	1,560,479.1	6,421.7451	22.4870	65.....	6,024.7453	71,428.526	3,277.4916	10.8559
11.....	63,872.007	1,494,038.9	6,408.9681	22.3911	66.....	5,673.7459	65,403.781	3,158.2132	10.5274
12.....	61,403.722	1,430,166.9	6,397.2992	22.2912	67.....	5,334.6305	59,730.035	3,037.3188	10.1967
13.....	59,027.280	1,368,763.2	6,382.5387	22.1887	68.....	5,006.9098	54,395.404	2,914.7761	9.8641
14.....	56,736.000	1,309,735.9	6,361.5386	22.0847	69.....	4,689.8857	49,388.495	2,790.3256	9.5309
15.....	54,524.933	1,252,999.9	6,332.6251	21.9803	70.....	4,382.9688	44,698.609	2,663.7888	9.1982
16.....	52,391.645	1,198,475.0	6,296.4499	21.8753	71.....	4,085.7698	40,315.640	2,535.1656	8.8673
17.....	50,334.769	1,146,083.4	6,254.6373	21.7692	72.....	3,798.3909	36,229.870	2,404.9316	8.5382
18.....	48,352.837	1,095,748.6	6,208.6584	21.6615	73.....	3,521.0718	32,431.479	2,273.7045	8.2107
19.....	46,444.295	1,047,395.7	6,159.8407	21.5517	74.....	3,254.2152	28,910.407	2,142.2738	7.8840
20.....	44,607.959	1,000,951.4	6,109.8237	21.4389	75.....	2,998.1335	25,656.192	2,011.3542	7.5574
21.....	42,840.798	956,343.49	6,058.3530	21.3232	76.....	2,752.8920	22,658.059	1,881.4255	7.2306
22.....	41,140.759	913,502.69	6,006.0378	21.2043	77.....	2,518.1814	19,905.167	1,752.5954	6.9046
23.....	39,506.205	872,361.93	5,953.8207	21.0816	78.....	2,293.6275	17,386.985	1,624.8945	6.5806
24.....	37,935.834	832,855.73	5,902.9185	20.9543	79.....	2,078.7763	15,093.358	1,498.2598	6.2607
25.....	36,428.249	794,919.89	5,854.4044	20.8215	80.....	1,873.3572	13,014.582	1,372.7937	5.9472
26.....	34,980.927	758,491.64	5,808.1685	20.6830	81.....	1,677.3392	11,141.224	1,248.8279	5.6422
27.....	33,591.444	723,510.72	5,764.1060	20.5385	82.....	1,491.0255	9,463.8850	1,127.0273	5.3472
28.....	32,257.476	689,919.27	5,722.1167	20.3879	83.....	1,314.9985	7,972.8595	1,008.3474	5.0630
29.....	30,976.482	657,661.80	5,681.7948	20.2310	84.....	1,150.1053	6,657.8610	894.03100	4.7889
30.....	29,746.060	626,685.32	5,642.7764	20.0678	85.....	997.03070	5,507.7557	785.19123	4.5242
31.....	28,563.941	596,939.26	5,604.7357	19.8984	86.....	855.86457	4,510.7250	682.37244	4.2704
32.....	27,428.524	568,375.31	5,567.9322	19.7221	87.....	726.56318	3,654.8604	585.98892	4.0303
33.....	26,337.449	540,946.79	5,531.8004	19.5391	88.....	609.77514	2,928.2973	497.14561	3.8023
34.....	25,288.509	514,609.34	5,495.8397	19.3495	89.....	505.94919	2,318.5221	416.77256	3.5825
35.....	24,279.401	489,320.83	5,459.3658	19.1537	90.....	414.83942	1,812.5729	345.12237	3.3693
36.....	23,308.458	465,041.43	5,422.2464	18.9516	91.....	335.58914	1,397.7335	281.82744	3.1650
37.....	22,373.878	441,732.97	5,384.1460	18.7432	92.....	267.28061	1,062.1444	226.42620	2.9739
38.....	21,473.975	419,359.10	5,344.7766	18.5287	93.....	209.27558	794.86376	178.70119	2.7982
39.....	20,607.376	397,885.12	5,304.0999	18.3079	94.....	160.93493	585.58818	138.40960	2.6387
40.....	19,772.580	377,277.74	5,261.8944	18.0809	95.....	121.48266	424.65324	105.14713	2.4956
41.....	18,967.988	357,505.16	5,217.7864	17.8478	96.....	89.971929	303.17058	78.308811	2.3696
42.....	18,192.124	338,537.18	5,171.4607	17.6090	97.....	65.456308	213.19865	57.253650	2.2571
43.....	17,443.623	320,345.05	5,122.6568	17.3646	98.....	46.803149	147.74234	41.118040	2.1567
44.....	16,721.390	302,901.43	5,071.3323	17.1146	99.....	32.911614	100.93920	29.026627	2.0670
45.....	16,024.397	286,180.04	5,017.4702	16.8590	100....	22.775470	68.027582	20.156314	1.9869
46.....	15,351.681	270,155.64	4,961.0766	16.5978	101....	15.522359	45.252112	13.779182	1.9153
47.....	14,702.039	254,803.96	4,901.8841	16.3312	102....	10.426995	29.729754	9.2808326	1.8512
48.....	14,074.092	240,101.92	4,839.4004	16.0599	103....	6.9089872	19.302758	6.1638628	1.7939
49.....	13,466.741	226,027.83	4,773.3604	15.7842	104....	4.5194077	12.393771	4.0400136	1.7423
50.....	12,879.125	212,561.09	4,703.6959	15.5043	105....	2.9208410	7.8743635	2.6152703	1.6959
51.....	12,310.834	199,681.96	4,630.7555	15.2200	106....	1.8665578	4.9535225	1.6733272	1.6538
52.....	11,761.344	187,371.13	4,554.7598	14.9311	107....	1.1803645	3.0869647	1.0589245	1.6153
53.....	11,229.935	175,609.78	4,475.7100	14.6376	108....	.7392033	1.9066001	.6631619	1.5793
54.....	10,715.842	164,379.85	4,393.5371	14.3399	109....	.4587822	1.1673969	.4111718	1.5446

**TABLE 1F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,992,223.1	5,132.2307	18.9222	55.....	6,036.6428	82,266.978	2,119.1667	12.6279
1.....	94,038.095	1,892,223.1	3,932.2307	19.1219	56.....	5,697.3260	76,230.336	2,067.3091	12.3800
2.....	89,476.800	1,798,185.0	3,848.9398	19.0967	57.....	5,372.9582	70,533.010	2,014.2426	12.1274
3.....	85,160.609	1,708,708.2	3,793.5494	19.0645	58.....	5,062.9129	65,160.051	1,960.0525	11.8701
4.....	81,064.790	1,623,547.6	3,752.9968	19.0278	59.....	4,766.3227	60,097.139	1,904.5533	11.6087
5.....	77,173.680	1,542,482.8	3,722.1149	18.9872	60.....	4,482.4314	55,330.816	1,847.6298	11.3439
6.....	73,471.548	1,465,309.2	3,694.9204	18.9439	61.....	4,210.5826	50,848.384	1,789.2301	11.0763
7.....	69,949.812	1,391,837.6	3,671.8294	18.8977	62.....	3,950.2082	46,637.802	1,729.3596	10.8064
8.....	66,598.883	1,321,887.8	3,651.8437	18.8485	63.....	3,700.8560	42,687.594	1,668.1126	10.5345
9.....	63,410.382	1,255,288.9	3,634.7183	18.7963	64.....	3,462.3447	38,986.738	1,605.8325	10.2602
10.....	60,376.950	1,191,878.5	3,620.8284	18.7406	65.....	3,234.4564	35,524.393	1,542.8178	9.9831
11.....	57,490.357	1,131,501.6	3,609.3280	18.6816	66.....	3,017.0085	32,289.937	1,479.3916	9.7026
12.....	54,742.318	1,074,011.2	3,598.9250	18.6194	67.....	2,809.6682	29,272.928	1,415.7184	9.4186
13.....	52,122.507	1,019,268.9	3,585.8911	18.5553	68.....	2,611.9479	26,463.260	1,351.7918	9.1316
14.....	49,622.116	967,146.41	3,567.5241	18.4902	69.....	2,423.2657	23,851.312	1,287.4881	8.8426
15.....	47,234.111	917,524.29	3,542.4768	18.4250	70.....	2,243.1132	21,428.046	1,222.7292	8.5528
16.....	44,953.828	870,290.18	3,511.4372	18.3596	71.....	2,071.0985	19,184.933	1,157.5294	8.2632
17.....	42,777.634	825,336.35	3,475.9023	18.2936	72.....	1,907.0872	17,113.835	1,092.1418	7.9738
18.....	40,701.900	782,558.72	3,437.1987	18.2266	73.....	1,751.0148	15,206.747	1,026.8831	7.6845
19.....	38,723.013	741,856.82	3,396.4968	18.1580	74.....	1,602.8956	13,455.733	962.14561	7.3946
20.....	36,837.755	703,133.80	3,355.1923	18.0873	75.....	1,462.6957	11,852.837	898.27403	7.1034
21.....	35,041.476	666,296.05	3,313.0920	18.0145	76.....	1,330.2591	10,390.141	835.48956	6.8106
22.....	33,330.451	631,254.57	3,270.7085	17.9393	77.....	1,205.2527	9,059.8821	773.82889	6.5170
23.....	31,701.385	597,924.12	3,228.8073	17.8611	78.....	1,087.3216	7,854.6294	713.29077	6.2238
24.....	30,151.339	566,222.74	3,188.3503	17.7794	79.....	976.08343	6,767.3078	653.82981	5.9331
25.....	28,677.369	536,071.40	3,150.1586	17.6932	80.....	871.25207	5,791.2244	595.47861	5.6470
26.....	27,275.728	507,394.03	3,114.1071	17.6024	81.....	772.65952	4,919.9723	538.37426	5.3676
27.....	25,942.854	480,118.30	3,080.0774	17.5068	82.....	680.29360	4,147.3128	482.80164	5.0964
28.....	24,675.361	454,175.45	3,047.9576	17.4060	83.....	594.26561	3,467.0192	429.16859	4.8341
29.....	23,469.793	429,500.09	3,017.4072	17.3001	84.....	514.79815	2,872.7536	377.99949	4.5803
30.....	22,322.903	406,030.29	2,988.1258	17.1890	85.....	442.03021	2,357.9554	329.74575	4.3344
31.....	21,231.632	383,707.39	2,959.8502	17.0724	86.....	375.83092	1,915.9252	284.59552	4.0978
32.....	20,193.506	362,475.76	2,932.7545	16.9501	87.....	316.01296	1,540.0943	242.67427	3.8735
33.....	19,205.563	342,282.25	2,906.4068	16.8220	88.....	262.69104	1,224.0813	204.40058	3.6598
34.....	18,265.039	323,076.69	2,880.4336	16.6883	89.....	215.88700	961.39028	170.10564	3.4532
35.....	17,369.182	304,811.65	2,854.3407	16.5490	90.....	175.32492	745.50328	139.82389	3.2521
36.....	16,515.776	287,442.47	2,828.0388	16.4041	91.....	140.48034	570.17837	113.32812	3.0588
37.....	15,702.571	270,926.69	2,801.2989	16.2537	92.....	110.82026	429.69802	90.357580	2.8774
38.....	14,927.462	255,224.12	2,773.9316	16.0976	93.....	85.943749	318.87777	70.758226	2.7103
39.....	14,188.624	240,296.66	2,745.9248	15.9359	94.....	65.462126	232.93402	54.369162	2.5583
40.....	13,484.192	226,108.04	2,717.1422	15.7684	95.....	48.943849	167.47189	40.968129	2.4217
41.....	12,812.294	212,623.84	2,687.3486	15.5953	96.....	35.903343	118.52804	30.258283	2.3013
42.....	12,171.192	199,811.55	2,656.3550	15.4168	97.....	25.871607	82.624698	21.936230	2.1936
43.....	11,559.270	187,640.36	2,624.0144	15.2329	98.....	18.322765	56.753091	15.619369	2.0974
44.....	10,975.142	176,081.09	2,590.3274	15.0436	99.....	12.761719	38.430326	10.930835	2.0114
45.....	10,417.500	165,105.95	2,555.3115	14.8489	100....	8.7472466	25.668608	7.5240640	1.9345
46.....	9,885.1164	154,688.45	2,518.9990	14.6486	101....	5.9048080	16.921361	5.0981609	1.8657
47.....	9,376.6448	144,803.33	2,481.2473	14.4430	102....	3.9287218	11.016553	3.4032561	1.8041
48.....	8,890.6667	135,426.68	2,441.7761	14.2325	103....	2.5784014	7.0878312	2.2400177	1.7489
49.....	8,425.9812	126,536.02	2,400.4557	14.0174	104....	1.6705586	4.5094298	1.4549558	1.6994
50.....	7,981.5709	118,110.04	2,357.2826	13.7978	105....	1.0693802	2.8388712	.9333279	1.6547
51.....	7,556.7232	110,128.47	2,312.5097	13.5736	106....	.6768769	1.7694910	.5917475	1.6142
52.....	7,150.6753	102,571.74	2,266.3058	13.3443	107....	.4239635	1.0926141	.3710663	1.5771
53.....	6,762.5639	95,421.067	2,218.7027	13.1102	108....	.2629785	.6686506	.2302700	1.5426
54.....	6,391.5246	88,658.503	2,169.6902	12.8713	109....	.1616616	.4056721	.1414760	1.5094

**TABLE 1G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,702,464.8	3,634.0687	16.0246	55.....	3,584.1348	44,586.396	1,060.3762	11.4399
1.....	93,150.943	1,602,464.8	2,445.3895	16.2029	56.....	3,350.7603	41,002.261	1,029.8773	11.2367
2.....	87,796.522	1,509,313.8	2,363.6627	16.1910	57.....	3,130.1791	37,651.501	998.96178	11.0285
3.....	82,773.070	1,421,517.3	2,309.8252	16.1737	58.....	2,921.7269	34,521.322	967.68952	10.8154
4.....	78,048.758	1,338,744.2	2,270.7813	16.1527	59.....	2,724.6206	31,599.595	935.96398	10.5978
5.....	73,601.451	1,260,695.5	2,241.3290	16.1287	60.....	2,538.1640	28,874.975	903.73120	10.3763
6.....	69,409.640	1,187,094.0	2,215.6379	16.1027	61.....	2,361.7377	26,336.811	870.97452	10.1515
7.....	65,459.184	1,117,684.4	2,194.0292	16.0745	62.....	2,194.7895	23,975.073	837.70967	9.9236
8.....	61,735.421	1,052,225.2	2,175.5030	16.0441	63.....	2,036.8475	21,780.283	804.00101	9.6931
9.....	58,225.238	990,489.79	2,159.7780	16.0113	64.....	1,887.6004	19,743.436	770.04715	9.4595
10.....	54,916.836	932,264.55	2,147.1442	15.9759	65.....	1,746.7249	17,855.835	736.01692	9.2225
11.....	51,797.974	877,347.72	2,136.7825	15.9379	66.....	1,613.9243	16,109.111	702.08761	8.9813
12.....	48,856.729	825,549.74	2,127.4980	15.8974	67.....	1,488.8300	14,495.186	668.34746	8.7360
13.....	46,079.731	776,693.01	2,115.9752	15.8554	68.....	1,371.0017	13,006.356	634.79260	8.4868
14.....	43,455.360	730,613.28	2,099.8907	15.8130	69.....	1,259.9635	11,635.355	601.35826	8.2347
15.....	40,973.895	687,157.92	2,078.1631	15.7706	70.....	1,155.2915	10,375.391	568.00489	7.9808
16.....	38,627.946	646,184.03	2,051.4914	15.7284	71.....	1,056.6339	9,220.0996	534.74122	7.7259
17.....	36,411.212	607,556.08	2,021.2450	15.6860	72.....	963.77973	8,163.4656	501.69649	7.4703
18.....	34,317.567	571,144.87	1,988.6123	15.6429	73.....	876.55766	7,199.6859	469.02799	7.2136
19.....	32,341.070	536,827.30	1,954.6185	15.5989	74.....	794.83933	6,323.1283	436.92613	6.9552
20.....	30,476.272	504,486.23	1,920.4468	15.5534	75.....	718.47477	5,528.2889	405.55247	6.6945
21.....	28,716.698	474,009.96	1,885.9453	15.5064	76.....	647.25765	4,809.8142	375.00374	6.4311
22.....	27,056.819	445,293.26	1,851.5395	15.4577	77.....	580.90153	4,162.5565	345.28484	6.1657
23.....	25,491.607	418,236.44	1,817.8461	15.4068	78.....	519.11772	3,581.6550	316.38225	5.8995
24.....	24,016.461	392,744.84	1,785.6208	15.3532	79.....	461.61319	3,062.5372	288.26174	5.6344
25.....	22,626.905	368,728.38	1,755.4870	15.2960	80.....	408.14880	2,600.9241	260.92640	5.3725
26.....	21,317.960	346,101.47	1,727.3101	15.2352	81.....	358.54717	2,192.7753	234.42754	5.1157
27.....	20,084.937	324,783.51	1,700.9643	15.1705	82.....	312.70725	1,834.2281	208.88274	4.8656
28.....	18,923.421	304,698.57	1,676.3318	15.1017	83.....	270.58618	1,521.5208	184.46207	4.6231
29.....	17,829.076	285,775.15	1,653.1239	15.0286	84.....	232.19102	1,250.9347	161.38312	4.3875
30.....	16,797.849	267,946.08	1,631.0898	14.9512	85.....	197.48941	1,018.7436	139.82440	4.1585
31.....	15,825.951	251,148.23	1,610.0133	14.8694	86.....	166.32894	821.25422	119.84257	3.9375
32.....	14,910.136	235,322.28	1,590.0069	14.7827	87.....	138.53631	654.92528	101.46479	3.7275
33.....	14,046.895	220,412.14	1,570.7362	14.6912	88.....	114.07420	516.38897	84.844354	3.5268
34.....	13,232.971	206,365.25	1,551.9187	14.5948	89.....	92.865007	402.31477	70.092192	3.3323
35.....	12,465.209	193,132.27	1,533.1928	14.4937	90.....	74.705518	309.44976	57.189213	3.1423
36.....	11,740.933	180,667.07	1,514.4950	14.3878	91.....	59.293629	234.74424	46.005938	2.9590
37.....	11,057.522	168,926.13	1,495.6652	14.2770	92.....	46.333496	175.45061	36.402048	2.7867
38.....	10,412.535	157,868.61	1,476.5753	14.1614	93.....	35.593741	129.11712	28.284944	2.6275
39.....	9,803.7944	147,456.08	1,457.2237	14.0407	94.....	26.855478	93.523377	21.561421	2.4825
40.....	9,229.1625	137,652.28	1,437.5236	13.9149	95.....	19.889521	66.667899	16.115586	2.3519
41.....	8,686.5574	128,423.12	1,417.3239	13.7841	96.....	14.452552	46.778378	11.804438	2.2367
42.....	8,174.0505	119,736.56	1,396.5090	13.6484	97.....	10.316122	32.325826	8.4860778	2.1335
43.....	7,689.8537	111,562.51	1,374.9943	13.5078	98.....	7.2371492	22.009704	5.9910360	2.0412
44.....	7,232.3800	103,872.66	1,352.7953	13.3622	99.....	4.9930868	14.772554	4.1566235	1.9586
45.....	6,800.1429	96,640.278	1,329.9382	13.2115	100....	3.3901175	9.7794677	2.8362818	1.8847
46.....	6,391.7494	89,840.135	1,306.4585	13.0556	101....	2.2669012	6.3893502	1.9049589	1.8185
47.....	6,005.7722	83,448.386	1,282.2784	12.8947	102....	1.4940376	4.1224490	1.2604105	1.7593
48.....	5,640.7799	77,442.614	1,257.2354	12.7291	103....	.9712795	2.6284114	.8222205	1.7061
49.....	5,295.5216	71,801.834	1,231.2665	12.5590	104....	.6233598	1.6571319	.5292790	1.6584
50.....	4,968.8978	66,506.312	1,204.3893	12.3845	105....	.3952689	1.0337721	.3364726	1.6154
51.....	4,660.0292	61,537.414	1,176.7791	12.2054	106....	.2478299	.6385031	.2114073	1.5764
52.....	4,368.0300	56,877.385	1,148.5551	12.0213	107....	.1537644	.3906732	.1313699	1.5407
53.....	4,091.9788	52,509.355	1,119.7509	11.8323	108....	.0944781	.2369088	.0807872	1.5076
54.....	3,830.9800	48,417.376	1,090.3735	11.6384	109....	.0575309	.1424307	.0491878	1.4757



TABLE 1H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,485,717.4	2,803.5372	13.8572	55.....	2,138.4503	24,443.847	539.31997	10.4306
1.....	92,280.374	1,385,717.4	1,625.9671	14.0164	56.....	1,980.5247	22,305.397	521.29303	10.2624
2.....	86,163.134	1,293,437.0	1,545.7608	14.0115	57.....	1,832.8553	20,324.872	503.19066	10.0892
3.....	80,473.951	1,207,273.9	1,493.4187	14.0020	58.....	1,694.8088	18,492.017	485.05054	9.9110
4.....	75,171.695	1,126,799.9	1,455.8141	13.9897	59.....	1,565.7023	16,797.208	466.81946	9.7282
5.....	70,225.819	1,051,628.2	1,427.7125	13.9750	60.....	1,444.9238	15,231.506	448.47002	9.5414
6.....	65,607.323	981,402.38	1,403.4288	13.9587	61.....	1,331.9226	13,786.582	429.99660	9.3509
7.....	61,295.021	915,795.06	1,383.1948	13.9408	62.....	1,226.2028	12,454.660	411.41192	9.1571
8.....	57,267.881	854,500.04	1,366.0092	13.9211	63.....	1,127.3273	11,228.457	392.75530	8.9602
9.....	53,506.933	797,232.16	1,351.5585	13.8996	64.....	1,034.9602	10,101.129	374.13860	8.7599
10.....	49,994.978	743,725.23	1,340.0570	13.8760	65.....	948.76836	9,066.1692	355.65440	8.5557
11.....	46,714.934	693,730.25	1,330.7121	13.8503	66.....	868.44227	8,117.4008	337.39726	8.3471
12.....	43,650.522	647,015.31	1,322.4170	13.8226	67.....	793.64260	7,248.9586	319.41158	8.1338
13.....	40,784.681	603,364.79	1,312.2182	13.7939	68.....	724.00232	6,455.3160	301.69184	7.9162
14.....	38,102.421	562,580.11	1,298.1151	13.7649	69.....	659.14660	5,731.3136	284.20075	7.6951
15.....	35,590.867	524,477.69	1,279.2420	13.7363	70.....	598.73920	5,072.1670	266.91510	7.4714
16.....	33,239.541	488,886.82	1,256.2908	13.7080	71.....	542.49129	4,473.4278	249.83704	7.2461
17.....	31,039.208	455,647.28	1,230.5069	13.6797	72.....	490.19411	3,930.9366	233.02995	7.0191
18.....	28,981.047	424,608.07	1,202.9487	13.6512	73.....	441.66490	3,440.7424	216.56951	6.7904
19.....	27,056.651	395,627.03	1,174.5094	13.6222	74.....	396.74716	2,999.0775	200.54574	6.5592
20.....	25,258.269	368,570.38	1,146.1884	13.5921	75.....	355.27782	2,602.3304	185.03181	6.3248
21.....	23,577.532	343,312.11	1,117.8614	13.5610	76.....	317.07051	2,247.0526	170.06698	6.0869
22.....	22,007.092	319,734.57	1,089.8768	13.5287	77.....	281.90532	1,929.9821	155.64472	5.8462
23.....	20,540.227	297,727.48	1,062.7279	13.4948	78.....	249.56788	1,648.0767	141.74968	5.6037
24.....	19,170.750	277,187.26	1,037.0046	13.4589	79.....	219.84831	1,398.5089	128.35698	5.3612
25.....	17,892.760	258,016.50	1,013.1755	13.4202	80.....	192.56863	1,178.6606	115.45990	5.1207
26.....	16,700.132	240,123.74	991.10223	13.3786	81.....	167.58510	986.09193	103.07432	4.8841
27.....	15,587.154	223,423.61	970.65627	13.3338	82.....	144.79352	818.50683	91.246256	4.6529
28.....	14,548.496	207,836.46	951.71861	13.2858	83.....	124.11917	673.71331	80.044379	4.4280
29.....	13,579.050	193,287.96	934.04286	13.2343	84.....	105.51174	549.59413	69.556889	4.2088
30.....	12,674.076	179,708.91	917.41805	13.1793	85.....	88.903993	444.08240	59.851782	3.9951
31.....	11,829.177	167,034.84	901.66429	13.1206	86.....	74.176672	355.17840	50.940610	3.7883
32.....	11,040.492	155,205.66	886.85018	13.0579	87.....	61.204767	281.00173	42.821384	3.5912
33.....	10,304.080	144,165.17	872.71422	12.9911	88.....	49.926502	219.79696	35.547169	3.4024
34.....	9,616.3071	133,861.09	859.03965	12.9202	89.....	40.264090	169.87046	29.150978	3.2189
35.....	8,973.7221	124,244.78	845.55884	12.8454	90.....	32.087846	129.60637	23.608833	3.0391
36.....	8,373.3214	115,271.06	832.22406	12.7665	91.....	25.230044	97.518525	18.850235	2.8652
37.....	7,812.2306	106,897.74	818.92065	12.6834	92.....	19.531119	72.288482	14.801874	2.7012
38.....	7,287.7890	99,085.506	805.55955	12.5961	93.....	14.863729	52.757363	11.412221	2.5494
39.....	6,797.6000	91,797.717	792.14184	12.5044	94.....	11.109874	37.893634	8.6307589	2.4108
40.....	6,339.3656	85,000.117	778.61017	12.4083	95.....	8.1512208	26.783760	6.3989202	2.2859
41.....	5,910.8956	78,660.751	764.86501	12.3078	96.....	5.8676601	18.632539	4.6486170	2.1755
42.....	5,510.1700	72,749.856	750.83353	12.2028	97.....	4.1491486	12.764879	3.3139711	2.0765
43.....	5,135.3239	67,239.686	736.46589	12.0936	98.....	2.8835807	8.6157307	2.3198428	1.9879
44.....	4,784.6821	62,104.362	721.77983	11.9798	99.....	1.9708600	5.7321500	1.5957677	1.9085
45.....	4,456.6854	57,319.680	706.79975	11.8615	100....	1.3256336	3.7612900	1.0794760	1.8374
46.....	4,149.8822	52,862.994	691.55539	11.7384	101....	.8781393	2.4356564	.7187054	1.7737
47.....	3,862.8422	48,713.112	676.00302	11.6107	102....	.5733429	1.5575170	.4713574	1.7166
48.....	3,594.1761	44,850.270	660.04624	11.4786	103....	.3692489	.9841741	.3047718	1.6653
49.....	3,342.6510	41,256.094	643.65411	11.3423	104....	.2347664	.6149252	.1944457	1.6193
50.....	3,107.1659	37,913.443	626.84713	11.2019	105....	.1474728	.3801588	.1225107	1.5778
51.....	2,886.7894	34,806.277	609.74320	11.0571	106....	.0915999	.2326860	.0762855	1.5402
52.....	2,680.6133	31,919.487	592.42246	10.9075	107....	.0563014	.1410861	.0469796	1.5059
53.....	2,487.7344	29,238.874	574.91079	10.7532	108....	.0342702	.0847847	.0286316	1.4740
54.....	2,307.2923	26,751.140	557.21765	10.5942	109....	.0206733	.0505145	.0172767	1.4435

**TABLE II.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,318,683.2	2,319.7636	12.1868	55.....	1,282.0365	13,546.281	278.60821	9.5662
1.....	91,425.926	1,218,683.2	1,153.0970	12.3297	56.....	1,176.3634	12,264.244	267.90083	9.4256
2.....	84,574.907	1,127,257.3	1,074.3691	12.3285	57.....	1,078.5728	11,087.881	257.24821	9.2801
3.....	78,259.198	1,042,682.4	1,023.4675	12.3234	58.....	988.10247	10,009.308	246.67220	9.1298
4.....	72,425.989	964,423.16	987.23641	12.3160	59.....	904.37909	9,021.2058	236.14159	8.9750
5.....	67,034.276	891,997.17	960.41197	12.3066	60.....	826.88720	8,116.8267	225.64074	8.8161
6.....	62,045.809	824,962.89	937.44652	12.2960	61.....	755.16239	7,289.9395	215.16684	8.6535
7.....	57,430.865	762,917.09	918.48808	12.2841	62.....	688.78501	6,534.7771	204.72742	8.4874
8.....	53,160.774	705,486.22	902.53506	12.2708	63.....	628.38110	5,845.9921	194.34462	8.3181
9.....	49,209.648	652,325.45	889.24487	12.2560	64.....	570.64378	5,218.6110	184.07997	8.1451
10.....	45,554.009	603,115.80	878.76504	12.2396	65.....	518.27664	4,647.9672	173.98275	7.9681
11.....	42,171.202	557,561.79	870.32911	12.2214	66.....	470.00493	4,129.6906	164.10190	7.7865
12.....	39,039.991	515,390.59	862.91010	12.2016	67.....	425.54595	3,659.6856	154.45809	7.6000
13.....	36,139.102	476,350.60	853.87307	12.1810	68.....	384.61079	3,234.1397	145.04486	7.4089
14.....	33,449.751	440,211.49	841.49208	12.1604	69.....	346.91537	2,849.5289	135.83913	7.2139
15.....	30,955.576	406,761.74	825.07692	12.1402	70.....	312.20456	2,502.6135	126.82575	7.0159
16.....	28,642.794	375,806.17	805.29975	12.1204	71.....	280.25563	2,190.4090	118.00308	6.8158
17.....	26,499.093	347,163.37	783.28723	12.1010	72.....	250.89366	1,910.1533	109.40079	6.6134
18.....	24,512.888	320,664.28	759.97784	12.0815	73.....	223.96209	1,659.2597	101.05393	6.4087
19.....	22,673.286	296,151.39	736.14587	12.0617	74.....	199.32211	1,435.2976	93.003739	6.2009
20.....	20,970.270	273,478.11	712.63283	12.0412	75.....	176.83562	1,235.9755	85.281853	5.9894
21.....	19,393.617	252,507.84	689.33253	12.0202	76.....	156.35707	1,059.1399	77.902240	5.7739
22.....	17,934.247	233,114.22	666.52707	11.9983	77.....	137.72887	902.78278	70.856038	5.5548
23.....	16,583.865	215,179.97	644.60744	11.9753	78.....	120.80097	765.05391	64.130278	5.3332
24.....	15,334.854	198,596.11	624.03116	11.9506	79.....	105.43016	644.25294	57.707693	5.1107
25.....	14,180.054	183,261.25	605.14657	11.9239	80.....	91.492882	538.82278	51.580053	4.8892
26.....	13,112.349	169,081.20	587.81540	11.8948	81.....	78.885502	447.32990	45.749923	4.6706
27.....	12,125.159	155,968.85	571.91060	11.8632	82.....	67.525990	368.44440	40.233782	4.4563
28.....	11,212.404	143,843.69	557.31550	11.8290	83.....	57.348322	300.91841	35.058040	4.2472
29.....	10,368.359	132,631.29	543.81909	11.7919	84.....	48.299500	243.57008	30.257242	4.0429
30.....	9,587.7559	122,262.93	531.24266	11.7520	85.....	40.320244	195.27058	25.855726	3.8430
31.....	8,865.7447	112,675.17	519.43551	11.7090	86.....	33.329535	154.95034	21.851702	3.6490
32.....	8,198.0227	103,809.43	508.43542	11.6627	87.....	27.246278	121.62080	18.237299	3.4638
33.....	7,580.3625	95,611.406	498.03608	11.6130	88.....	22.019786	94.374527	15.029050	3.2859
34.....	7,008.8874	88,031.043	488.06931	11.5599	89.....	17.593809	72.354741	12.234168	3.1125
35.....	6,479.9759	81,022.156	478.33474	11.5035	90.....	13.891289	54.760932	9.8348937	2.9421
36.....	5,990.4378	74,542.180	468.79478	11.4435	91.....	10.821315	40.869643	7.7939032	2.7768
37.....	5,537.2722	68,551.742	459.36538	11.3801	92.....	8.2994472	30.048328	6.0736148	2.6205
38.....	5,117.7213	63,014.470	449.98278	11.3130	93.....	6.2576295	21.748881	4.6465709	2.4756
39.....	4,729.2958	57,896.749	440.64768	11.2422	94.....	4.6339485	15.491252	3.4864180	2.3430
40.....	4,369.6503	53,167.453	431.32046	11.1674	95.....	3.3684086	10.857303	2.5641335	2.2233
41.....	4,036.5859	48,797.803	421.93380	11.0889	96.....	2.4022991	7.4888945	1.8475358	2.1174
42.....	3,728.0861	44,761.217	412.44035	11.0065	97.....	1.6829885	5.0865954	1.3061732	2.0224
43.....	3,442.3006	41,033.131	402.80946	10.9203	98.....	1.1588155	3.4036069	.9066661	1.9371
44.....	3,177.5622	37,590.830	393.05628	10.8301	99.....	.7846897	2.2447914	.6183785	1.8607
45.....	2,932.3309	34,413.268	383.19995	10.7358	100....	.5229085	1.4601017	.4147225	1.7923
46.....	2,705.1839	31,480.937	373.26260	10.6373	101....	.3431829	.9371932	.2737308	1.7309
47.....	2,494.7556	28,775.753	363.21836	10.5345	102....	.2219917	.5940102	.1779606	1.6758
48.....	2,299.7489	26,280.997	353.00834	10.4278	103....	.1416451	.3720185	.1140578	1.6264
49.....	2,119.0057	23,981.248	342.61688	10.3172	104....	.0892233	.2303734	.0721282	1.5820
50.....	1,951.4865	21,862.243	332.06109	10.2029	105....	.0555283	.1411502	.0450423	1.5420
51.....	1,796.2891	19,910.756	321.41826	10.0844	106....	.0341710	.0856219	.0277982	1.5057
52.....	1,652.5527	18,114.467	310.74032	9.9615	107....	.0208085	.0514509	.0169670	1.4726
53.....	1,519.4457	16,461.914	300.04463	9.8342	108....	.0125487	.0306424	.0102485	1.4419
54.....	1,396.1877	14,942.469	289.33817	9.7023	109....	.0074998	.0180937	.0061292	1.4125

**TABLE 1J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,079,873.5	1,829.6832	9.7987	55.....	467.31448	4,286.1666	77.662970	8.1719
1.....	89,763.636	979,873.49	684.22863	9.9162	56.....	420.99937	3,818.8521	73.830992	8.0709
2.....	81,527.415	890,109.85	608.33755	9.9179	57.....	378.98363	3,397.8528	70.087924	7.9657
3.....	74,067.656	808,582.43	560.16226	9.9168	58.....	340.88200	3,018.8691	66.439346	7.8561
4.....	67,300.566	734,514.78	526.49514	9.9139	59.....	306.32586	2,677.9871	62.872480	7.7423
5.....	61,157.860	667,214.21	502.02221	9.9097	60.....	274.98594	2,371.6613	59.380366	7.6247
6.....	55,577.483	606,056.35	481.45093	9.9047	61.....	246.56739	2,096.6753	55.960540	7.5035
7.....	50,508.311	550,478.87	464.77769	9.8988	62.....	220.80558	1,850.1079	52.613948	7.3789
8.....	45,902.872	499,970.56	451.00269	9.8919	63.....	197.46443	1,629.3024	49.346026	7.2511
9.....	41,718.616	454,067.69	439.73562	9.8841	64.....	176.34112	1,431.8379	46.174029	7.1197
10.....	37,917.292	412,349.07	431.01264	9.8750	65.....	157.24658	1,255.4968	43.110503	6.9843
11.....	34,463.371	374,431.78	424.11859	9.8646	66.....	140.00807	1,098.2502	40.167133	6.8442
12.....	31,324.385	339,968.41	418.16582	9.8532	67.....	124.45953	958.24217	37.346607	6.6992
13.....	28,469.594	308,644.02	411.04664	9.8412	68.....	110.44200	833.78263	34.643572	6.5495
14.....	25,871.873	280,174.43	401.47051	9.8293	69.....	97.806428	723.34063	32.048185	6.3956
15.....	23,507.419	254,302.56	389.00497	9.8180	70.....	86.419981	625.53421	29.553232	6.2383
16.....	21,355.635	230,795.14	374.25941	9.8072	71.....	76.165858	539.11423	27.155470	6.0782
17.....	19,398.100	209,439.50	358.14561	9.7969	72.....	66.946327	462.94837	24.860108	5.9152
18.....	17,617.884	190,041.40	341.39270	9.7868	73.....	58.673587	396.00204	22.673398	5.7492
19.....	15,999.441	172,423.52	324.57563	9.7768	74.....	51.268980	337.32845	20.602754	5.5796
20.....	14,528.656	156,424.08	308.28529	9.7666	75.....	44.658078	286.05947	18.652668	5.4055
21.....	13,192.020	141,895.42	292.43585	9.7562	76.....	38.768490	241.40140	16.822905	5.2267
22.....	11,977.514	128,703.40	277.20506	9.7454	77.....	33.528752	202.63291	15.107575	5.0436
23.....	10,874.276	116,725.89	262.83205	9.7341	78.....	28.873132	169.10415	13.500024	4.8568
24.....	9,872.4589	105,851.61	249.58520	9.7219	79.....	24.741125	140.23102	11.992847	4.6679
25.....	8,963.0259	95,979.151	237.64850	9.7083	80.....	21.080113	115.48990	10.581028	4.4786
26.....	8,137.4497	87,016.125	226.89287	9.6933	81.....	17.844891	94.409784	9.2621795	4.2906
27.....	7,387.9906	78,878.676	217.20191	9.6766	82.....	14.997495	76.564893	8.0370467	4.1052
28.....	6,707.6238	71,490.685	208.47065	9.6581	83.....	12.505457	61.567398	6.9084170	3.9232
29.....	6,089.9127	64,783.061	200.54345	9.6378	84.....	10.340762	49.061942	5.8805822	3.7445
30.....	5,529.0317	58,693.149	193.29092	9.6154	85.....	8.4754766	38.721179	4.9553660	3.5686
31.....	5,019.7074	53,164.117	186.60582	9.5911	86.....	6.8786198	30.245703	4.1290070	3.3971
32.....	4,557.2554	48,144.410	180.49090	9.5643	87.....	5.5209053	23.367083	3.3966216	3.2325
33.....	4,137.2836	43,587.154	174.81505	9.5352	88.....	4.3807380	17.846178	2.7583548	3.0738
34.....	3,755.8261	39,449.871	169.47419	9.5036	89.....	3.4365695	13.465440	2.2124352	2.9183
35.....	3,409.2657	35,694.044	164.35261	9.4697	90.....	2.6640287	10.028870	1.7523098	2.7646
36.....	3,094.4046	32,284.779	159.42467	9.4333	91.....	2.0375460	7.3648416	1.3680115	2.6146
37.....	2,808.3128	29,190.374	154.64241	9.3943	92.....	1.5342907	5.3272956	1.0499876	2.4722
38.....	2,548.3396	26,382.061	149.97040	9.3526	93.....	1.1357935	3.7930050	.7909715	2.3395
39.....	2,312.1085	23,833.722	145.40655	9.3082	94.....	.8257942	2.6572114	.5842261	2.2178
40.....	2,097.4398	21,521.613	140.92947	9.2609	95.....	.5893543	1.8314173	.4228584	2.1075
41.....	1,902.3397	19,424.173	136.50578	9.2107	96.....	.4126766	1.2420630	.2997583	2.0098
42.....	1,725.0071	17,521.834	132.11311	9.1575	97.....	.2838540	.8293864	.2084518	1.9219
43.....	1,563.8130	15,796.827	127.73786	9.1015	98.....	.1918930	.5455324	.1422957	1.8429
44.....	1,417.2979	14,233.014	123.38762	9.0424	99.....	.1275775	.3536394	.0954250	1.7720
45.....	1,284.1364	12,815.716	119.07130	8.9800	100....	.0834705	.2260620	.0629159	1.7083
46.....	1,163.1240	11,531.579	114.79863	8.9143	101....	.0537853	.1425915	.0408190	1.6511
47.....	1,053.1454	10,368.455	110.55851	8.8452	102....	.0341591	.0888062	.0260823	1.5998
48.....	953.17314	9,315.3099	106.32678	8.7729	103....	.0213994	.0546471	.0164281	1.5537
49.....	862.29242	8,362.1368	102.09816	8.6976	104....	.0132346	.0332477	.0102086	1.5122
50.....	779.68480	7,499.8444	97.880767	8.6191	105....	.0080868	.0200132	.0062640	1.4748
51.....	704.62951	6,720.1596	93.705909	8.5372	106....	.0048860	.0119264	.0037983	1.4409
52.....	636.45981	6,015.5301	89.593435	8.4515	107....	.0029212	.0070404	.0022778	1.4101
53.....	574.55541	5,379.0702	85.549022	8.3621	108....	.0017296	.0041192	.0013517	1.3815
54.....	518.34822	4,804.5148	81.574143	8.2689	109....	.0010149	.0023895	.0007943	1.3544

**TABLE 1K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
TOTAL POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	918,381.35	1,601.9984	8.1838	55.....	173.46652	1,405.9807	22.825738	7.1052
1.....	88,160.714	818,381.35	476.99844	8.2828	56.....	153.48380	1,232.5142	21.428712	7.0303
2.....	78,641.719	730,220.63	403.79356	8.2854	57.....	135.69887	1,079.0304	20.088470	6.9517
3.....	70,170.180	651,578.92	358.15328	8.2857	58.....	119.87662	943.33149	18.805389	6.8692
4.....	62,620.620	581,408.74	326.82730	8.2846	59.....	105.80075	823.45487	17.573442	6.7831
5.....	55,888.904	518,788.11	304.46280	8.2825	60.....	93.280365	717.65412	16.388852	6.6935
6.....	49,882.344	462,899.21	285.99950	8.2798	61.....	82.146687	624.37375	15.249499	6.6007
7.....	44,523.109	413,016.87	271.30202	8.2765	62.....	72.250212	542.22707	14.154454	6.5049
8.....	39,740.850	368,493.76	259.37619	8.2724	63.....	63.458909	469.97685	13.104246	6.4060
9.....	35,473.322	328,752.91	249.79581	8.2676	64.....	55.658563	406.51794	12.103068	6.3038
10.....	31,665.324	293,279.59	242.51111	8.2619	65.....	48.745471	350.85938	11.153394	6.1978
11.....	28,266.956	261,614.26	236.85658	8.2551	66.....	42.626609	302.11391	10.257261	6.0874
12.....	25,233.558	233,347.31	232.06130	8.2475	67.....	37.216074	259.48730	9.4138628	5.9725
13.....	22,524.330	208,113.75	226.42881	8.2395	68.....	32.434805	222.27123	8.6200306	5.8529
14.....	20,103.568	185,589.42	218.98773	8.2317	69.....	28.211041	189.83642	7.8714237	5.7292
15.....	17,940.101	165,485.85	209.47444	8.2244	70.....	24.481642	161.62538	7.1646364	5.6019
16.....	16,006.895	147,545.75	198.42205	8.2176	71.....	21.191484	137.14374	6.4975116	5.4716
17.....	14,280.008	131,538.85	186.55980	8.2114	72.....	18.293738	115.95226	5.8702816	5.3384
18.....	12,737.895	117,258.84	174.44729	8.2055	73.....	15.746825	97.658518	5.2834119	5.2018
19.....	11,361.179	104,520.95	162.50552	8.1998	74.....	13.513869	81.911693	4.7376157	5.0613
20.....	10,132.548	93,159.771	151.14434	8.1941	75.....	11.561115	68.397824	4.2327762	4.9162
21.....	9,036.0619	83,027.223	140.28804	8.1884	76.....	9.8571923	56.836709	3.7675445	4.7660
22.....	8,057.6662	73,991.161	130.04179	8.1827	77.....	8.3727168	46.979517	3.3391967	4.6110
23.....	7,184.8483	65,933.495	120.54525	8.1767	78.....	7.0813747	38.606800	2.9449315	4.4519
24.....	6,406.4469	58,748.646	111.94909	8.1702	79.....	5.9596091	31.525425	2.5818846	4.2898
25.....	5,712.4342	52,342.199	104.34144	8.1629	80.....	4.9870754	25.565816	2.2478804	4.1264
26.....	5,093.6552	46,629.765	97.608927	8.1545	81.....	4.1463079	20.578741	1.9414424	3.9631
27.....	4,541.9487	41,536.110	91.651170	8.1450	82.....	3.4224810	16.432433	1.6618628	3.8013
28.....	4,050.0394	36,994.161	86.379265	8.1343	83.....	2.8028286	13.009952	1.4089048	3.6417
29.....	3,611.4057	32,944.122	81.678326	8.1222	84.....	2.2762722	10.207123	1.1826515	3.4841
30.....	3,220.2453	29,332.716	77.454271	8.1088	85.....	1.8323585	7.9308511	.9826240	3.3282
31.....	2,871.3950	26,112.471	73.630230	8.0940	86.....	1.4605697	6.0984926	.8071593	3.1754
32.....	2,560.3101	23,241.076	70.194811	8.0774	87.....	1.1513462	4.6379229	.6544255	3.0283
33.....	2,282.8593	20,680.766	67.063003	8.0592	88.....	.8972585	3.4865767	.5236963	2.8858
34.....	2,035.3729	18,397.907	64.168664	8.0391	89.....	.6913056	2.5893182	.4138783	2.7455
35.....	1,814.5713	16,362.534	61.442718	8.0173	90.....	.5263305	1.8980126	.3229716	2.6061
36.....	1,617.5769	14,547.962	58.866675	7.9937	91.....	.3953682	1.3716821	.2484018	2.4694
37.....	1,441.8099	12,930.385	56.411424	7.9682	92.....	.2923995	.9763140	.1877940	2.3390
38.....	1,284.9744	11,488.576	54.055610	7.9407	93.....	.2125901	.6839145	.1393131	2.2171
39.....	1,145.0384	10,203.601	51.795431	7.9111	94.....	.1518064	.4713244	.1013070	2.1048
40.....	1,020.1781	9,058.5627	49.617814	7.8794	95.....	.1064068	.3195180	.0721723	2.0028
41.....	908.76008	8,038.3846	47.504588	7.8454	96.....	.0731775	.2131112	.0503437	1.9123
42.....	809.33199	7,129.6245	45.443650	7.8093	97.....	.0494353	.1399337	.0344420	1.8306
43.....	720.60174	6,320.2925	43.427546	7.7709	98.....	.0328228	.0904984	.0231262	1.7572
44.....	641.42563	5,599.6908	41.458759	7.7301	99.....	.0214321	.0576756	.0152522	1.6911
45.....	570.78290	4,958.2651	39.540209	7.6868	100....	.0137721	.0362435	.0098884	1.6317
46.....	507.76236	4,387.4822	37.674972	7.6408	101....	.0087157	.0224714	.0063077	1.5783
47.....	451.54128	3,879.7199	35.857002	7.5922	102....	.0054365	.0137556	.0039623	1.5302
48.....	401.37988	3,428.1786	34.075026	7.5410	103....	.0033450	.0083191	.0024532	1.4871
49.....	356.62602	3,026.7987	32.326157	7.4873	104....	.0020318	.0049742	.0014984	1.4482
50.....	316.70301	2,670.1727	30.613078	7.4312	105....	.0012193	.0029424	.0009037	1.4131
51.....	281.10503	2,353.4697	28.947560	7.3722	106....	.0007235	.0017231	.0005385	1.3814
52.....	249.37530	2,072.3647	27.336225	7.3102	107....	.0004249	.0009995	.0003174	1.3525
53.....	221.10015	1,822.9894	25.779856	7.2451	108....	.0002471	.0005747	.0001851	1.3259
54.....	195.90855	1,601.8892	24.277560	7.1767	109....	.0001424	.0003276	.0001069	1.3007

TABLE 2A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	5,006,222.8	50,433.352	49.0622	55.....	49,135.917	937,642.30	39,852.244	18.0826
1.....	97,630.693	4,906,222.8	49,054.144	49.2529	56.....	48,062.711	888,506.38	39,265.532	17.4864
2.....	96,566.422	4,808,592.1	48,956.513	48.7957	57.....	46,963.455	840,443.67	38,642.144	16.8957
3.....	95,540.523	4,712,025.7	48,886.718	48.3197	58.....	45,836.797	793,480.22	37,980.471	16.3110
4.....	94,539.713	4,616,485.2	48,831.853	47.8312	59.....	44,679.985	747,643.42	37,277.489	15.7333
5.....	93,559.682	4,521,945.5	48,787.859	47.3322	60.....	43,489.993	702,963.44	36,529.873	15.1638
6.....	92,594.443	4,428,385.8	48,748.953	46.8256	61.....	42,264.523	659,473.44	35,734.997	14.6035
7.....	91,641.912	4,335,791.3	48,713.199	46.3123	62.....	41,002.445	617,208.92	34,891.380	14.0530
8.....	90,701.901	4,244,149.4	48,680.534	45.7923	63.....	39,702.952	576,206.48	33,997.852	13.5129
9.....	89,775.126	4,153,447.5	48,651.797	45.2650	64.....	38,367.203	536,503.52	33,055.202	12.9834
10.....	88,863.153	4,063,672.4	48,628.687	44.7296	65.....	36,998.140	498,136.32	32,066.011	12.4638
11.....	87,964.843	3,974,809.3	48,610.210	44.1863	66.....	35,599.903	461,138.18	31,034.093	11.9534
12.....	87,075.614	3,886,844.4	48,591.921	43.6376	67.....	34,174.497	425,538.28	29,961.161	11.4519
13.....	86,187.615	3,799,768.8	48,566.056	43.0872	68.....	32,723.265	391,363.78	28,848.291	10.9598
14.....	85,293.312	3,713,581.2	48,525.096	42.5389	69.....	31,244.887	358,640.52	27,693.905	10.4784
15.....	84,388.021	3,628,287.9	48,464.293	41.9953	70.....	29,738.945	327,395.63	26,497.318	10.0090
16.....	83,472.285	3,543,899.8	48,384.082	41.4560	71.....	28,205.770	297,656.68	25,258.588	9.5530
17.....	82,548.305	3,460,427.6	48,286.560	40.9200	72.....	26,649.984	269,450.91	23,982.068	9.1107
18.....	81,619.024	3,377,879.3	48,174.589	40.3859	73.....	25,079.746	242,800.93	22,675.691	8.6812
19.....	80,687.274	3,296,260.2	48,050.948	39.8523	74.....	23,505.930	217,721.18	21,350.189	8.2624
20.....	79,754.976	3,215,573.0	47,917.535	39.3181	75.....	21,938.247	194,215.25	20,015.238	7.8528
21.....	78,822.396	3,135,818.0	47,774.607	38.7833	76.....	20,381.501	172,277.01	18,675.702	7.4526
22.....	77,890.575	3,056,995.6	47,623.206	38.2473	77.....	18,838.359	151,895.51	17,334.357	7.0631
23.....	76,962.828	2,979,105.0	47,466.654	37.7084	78.....	17,314.503	133,057.15	15,997.020	6.6847
24.....	76,044.609	2,902,142.2	47,310.442	37.1637	79.....	15,816.199	115,742.65	14,670.146	6.3180
25.....	75,138.849	2,826,097.6	47,157.600	36.6117	80.....	14,349.677	99,926.446	13,360.221	5.9637
26.....	74,246.855	2,750,958.7	47,009.554	36.0515	81.....	12,919.114	85,576.770	12,071.733	5.6240
27.....	73,367.654	2,676,711.9	46,865.471	35.4835	82.....	11,530.117	72,657.656	10,810.649	5.3016
28.....	72,501.044	2,603,344.2	46,725.273	34.9077	83.....	10,193.537	61,127.539	9,588.2280	4.9967
29.....	71,646.106	2,530,843.2	46,588.167	34.3242	84.....	8,923.9872	50,934.002	8,419.6046	4.7075
30.....	70,801.250	2,459,197.1	46,452.678	33.7338	85.....	7,734.4462	42,010.015	7,318.4199	4.4315
31.....	69,966.356	2,388,395.8	46,318.787	33.1363	86.....	6,630.2583	34,275.569	6,290.8106	4.1696
32.....	69,141.307	2,318,429.5	46,186.474	32.5318	87.....	5,614.1220	27,645.310	5,340.3205	3.9242
33.....	68,324.618	2,249,288.2	46,054.353	31.9206	88.....	4,693.9618	22,031.188	4,475.7457	3.6935
34.....	67,514.193	2,180,963.5	45,920.409	31.3038	89.....	3,875.1676	17,337.227	3,703.4263	3.4739
35.....	66,708.702	2,113,449.3	45,783.376	30.6818	90.....	3,157.6861	13,462.059	3,024.3128	3.2633
36.....	65,905.556	2,046,740.6	45,640.711	30.0557	91.....	2,537.1539	10,304.373	2,435.0448	3.0614
37.....	65,103.596	1,980,835.1	45,491.282	29.4259	92.....	2,006.4868	7,767.2192	1,929.4980	2.8711
38.....	64,301.726	1,915,731.5	45,334.002	28.7928	93.....	1,558.6628	5,760.7324	1,501.5402	2.6959
39.....	63,498.909	1,851,429.8	45,167.836	28.1569	94.....	1,187.0529	4,202.0696	1,145.3626	2.5399
40.....	62,694.171	1,787,930.9	44,991.800	27.5183	95.....	885.69423	3,015.0168	855.75700	2.4041
41.....	61,885.354	1,725,236.7	44,803.717	26.8779	96.....	647.61787	2,129.3225	626.44989	2.2879
42.....	61,069.203	1,663,351.3	44,600.292	26.2372	97.....	465.27176	1,481.7047	450.51584	2.1846
43.....	60,245.071	1,602,282.1	44,380.806	25.5961	98.....	328.66613	1,016.4329	318.51685	2.0926
44.....	59,411.183	1,542,037.1	44,143.404	24.9553	99.....	228.44899	687.76677	221.55384	2.0106
45.....	58,567.074	1,482,625.9	43,887.524	24.3150	100....	156.36994	459.31778	151.73666	1.9374
46.....	57,711.183	1,424,058.8	43,611.505	23.6756	101....	105.48778	302.94784	102.40272	1.8719
47.....	56,841.515	1,366,347.6	43,313.236	23.0378	102....	70.194286	197.46006	68.153654	1.8131
48.....	55,954.563	1,309,506.1	42,989.070	22.4030	103....	46.112781	127.26577	44.767141	1.7599
49.....	55,047.102	1,253,551.5	42,635.615	21.7723	104....	29.930847	81.152989	29.041770	1.7113
50.....	54,117.841	1,198,504.4	42,251.375	21.1462	105....	19.210863	51.222142	18.618130	1.6663
51.....	53,166.760	1,144,386.6	41,836.114	20.5245	106....	12.202702	32.011279	11.800176	1.6233
52.....	52,195.019	1,091,219.8	41,390.777	19.9066	107....	7.6767076	19.808577	7.3950007	1.5803
53.....	51,200.730	1,039,024.8	40,913.270	19.2932	108....	4.7866172	12.131870	4.5809173	1.5345
54.....	50,181.785	987,824.09	40,401.263	18.6849	109....	2.9601673	7.3452523	2.8018597	1.4814

TABLE 2B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,298,996.6	36,467.982	41.9900	55.....	37,449.179	674,407.71	27,482.514	17.0086
1.....	97,149.754	4,198,996.6	35,095.568	42.2219	56.....	36,450.780	636,958.53	27,037.551	16.4745
2.....	95,617.372	4,101,846.8	34,998.897	41.8986	57.....	35,441.650	600,507.75	26,567.103	15.9436
3.....	94,135.538	4,006,229.5	34,930.128	41.5581	58.....	34,421.000	565,066.10	26,070.221	15.4163
4.....	92,690.581	3,912,093.9	34,876.336	41.2059	59.....	33,387.014	530,645.10	25,544.920	14.8938
5.....	91,277.848	3,819,403.4	34,833.416	40.8437	60.....	32,337.708	497,258.09	24,989.018	14.3770
6.....	89,891.145	3,728,125.5	34,795.646	40.4738	61.....	31,271.678	464,920.38	24,400.886	13.8671
7.....	88,528.165	3,638,234.4	34,761.106	40.0969	62.....	30,188.415	433,648.70	23,779.765	13.3647
8.....	87,188.467	3,549,706.2	34,729.707	39.7130	63.....	29,087.653	403,460.29	23,125.138	12.8705
9.....	85,872.480	3,462,517.7	34,702.219	39.3216	64.....	27,970.573	374,372.63	22,437.924	12.3845
10.....	84,581.432	3,376,645.3	34,680.222	38.9218	65.....	26,839.625	346,402.06	21,720.334	11.9064
11.....	83,313.960	3,292,063.8	34,662.722	38.5140	66.....	25,698.081	319,562.44	20,975.435	11.4353
12.....	82,065.482	3,208,749.9	34,645.485	38.0999	67.....	24,547.617	293,864.36	20,204.746	10.9712
13.....	80,828.436	3,126,684.4	34,621.229	37.6830	68.....	23,389.405	269,316.74	19,409.307	10.5145
14.....	79,595.703	3,045,855.9	34,583.005	37.2666	69.....	22,222.700	245,927.33	18,588.258	10.0665
15.....	78,362.949	2,966,260.2	34,526.543	36.8528	70.....	21,047.415	223,704.63	17,741.387	9.6286
16.....	77,130.760	2,887,897.3	34,452.426	36.4416	71.....	19,863.990	202,657.22	16,869.008	9.2022
17.....	75,901.227	2,810,766.5	34,362.757	36.0319	72.....	18,675.869	182,793.23	15,974.443	8.7877
18.....	74,677.086	2,734,865.3	34,260.309	35.6225	73.....	17,488.894	164,117.36	15,063.466	8.3841
19.....	73,460.916	2,660,188.2	34,147.742	35.2123	74.....	16,310.676	146,628.46	14,143.705	7.9897
20.....	72,254.420	2,586,727.3	34,026.875	34.8003	75.....	15,147.878	130,317.79	13,221.951	7.6030
21.....	71,057.773	2,514,472.9	33,898.027	34.3863	76.....	14,003.653	115,169.91	12,301.587	7.2243
22.....	69,871.843	2,443,415.1	33,762.212	33.9700	77.....	12,879.636	101,166.26	11,384.520	6.8547
23.....	68,699.511	2,373,543.3	33,622.469	33.5496	78.....	11,779.474	88,286.621	10,474.697	6.4950
24.....	67,545.494	2,304,843.8	33,483.716	33.1228	79.....	10,707.136	76,507.147	9,576.4399	6.1454
25.....	66,412.194	2,237,298.3	33,348.625	32.6881	80.....	9,666.4864	65,800.012	8,694.0242	5.8070
26.....	65,300.526	2,170,886.1	33,218.418	32.2445	81.....	8,659.9338	56,133.525	7,830.3260	5.4820
27.....	64,209.396	2,105,585.5	33,092.320	31.7925	82.....	7,690.7891	47,473.592	6,989.1606	5.1728
28.....	63,138.396	2,041,376.1	32,970.227	31.3318	83.....	6,765.7728	39,782.803	6,177.8013	4.8800
29.....	62,086.504	1,978,237.7	32,851.415	30.8626	84.....	5,893.9546	33,017.030	5,405.9700	4.6018
30.....	61,052.137	1,916,151.2	32,734.583	30.3855	85.....	5,083.1439	27,123.075	4,682.2620	4.3359
31.....	60,035.002	1,855,099.1	32,619.696	29.9003	86.....	4,335.9969	22,039.931	4,010.2353	4.0830
32.....	59,034.813	1,795,064.1	32,506.724	29.4069	87.....	3,653.3871	17,703.934	3,391.7043	3.8459
33.....	58,050.124	1,736,029.3	32,394.471	28.9057	88.....	3,039.5461	14,050.547	2,831.8542	3.6226
34.....	57,079.000	1,677,979.2	32,281.230	28.3975	89.....	2,496.9796	11,011.001	2,334.2072	3.4097
35.....	56,120.185	1,620,900.2	32,165.947	27.8827	90.....	2,024.6445	8,514.0216	1,898.7733	3.2052
36.....	55,171.395	1,564,780.0	32,046.519	27.3622	91.....	1,618.7582	6,489.3771	1,522.8078	3.0089
37.....	54,231.578	1,509,608.6	31,922.044	26.8363	92.....	1,273.8750	4,870.6189	1,201.8471	2.8235
38.....	53,299.757	1,455,377.0	31,791.674	26.3055	93.....	984.68652	3,596.7439	931.48441	2.6527
39.....	52,375.019	1,402,077.2	31,654.618	25.7700	94.....	746.22746	2,612.0574	707.57737	2.5004
40.....	51,456.522	1,349,702.2	31,510.135	25.2300	95.....	554.03897	1,865.8300	526.41687	2.3677
41.....	50,542.471	1,298,245.7	31,356.526	24.6862	96.....	403.11657	1,311.7910	383.68224	2.2541
42.....	49,630.217	1,247,703.2	31,191.205	24.1400	97.....	288.18665	908.67442	274.70970	2.1531
43.....	48,719.270	1,198,073.0	31,013.709	23.5914	98.....	202.57108	620.48777	193.35305	2.0631
44.....	47,808.244	1,149,353.8	30,822.672	23.0409	99.....	140.10933	417.91669	133.88496	1.9828
45.....	46,896.826	1,101,545.5	30,617.780	22.4887	100....	95.430331	277.80736	91.276542	1.9111
46.....	45,983.839	1,054,648.7	30,397.850	21.9352	101....	64.060548	182.37703	61.317059	1.8469
47.....	45,067.787	1,008,664.8	30,161.361	21.3811	102....	42.417550	118.31648	40.620769	1.7893
48.....	44,146.006	963,597.06	29,905.607	20.8275	103....	27.728122	75.898931	26.558202	1.7373
49.....	43,216.113	919,451.05	29,628.118	20.2757	104....	17.909089	48.170809	17.148943	1.6897
50.....	42,277.280	876,234.94	29,327.947	19.7259	105....	11.438173	30.261720	10.942694	1.6457
51.....	41,329.686	833,957.66	29,005.140	19.1782	106....	7.2297144	18.823547	6.9032722	1.6036
52.....	40,374.420	792,627.97	28,660.658	18.6319	107....	4.5258012	11.593832	4.3062021	1.5617
53.....	39,410.208	752,253.55	28,293.112	18.0878	108....	2.8080479	7.0680309	2.6553325	1.5171
54.....	38,435.630	712,843.34	27,900.951	17.5464	109....	1.7280146	4.2599830	1.6167974	1.4652

TABLE 2C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,736,410.2	26,737.028	36.3641	55.....	28,580.194	486,780.90	19,035.443	16.0321
1.....	96,673.529	3,636,410.2	25,371.342	36.6154	56.....	27,681.879	458,200.70	18,697.525	15.5524
2.....	94,682.244	3,539,736.6	25,275.616	36.3854	57.....	26,783.575	430,518.82	18,342.003	15.0740
3.....	92,757.967	3,445,054.4	25,207.853	36.1403	58.....	25,884.750	403,735.25	17,968.345	14.5974
4.....	90,886.438	3,352,296.4	25,155.109	35.8845	59.....	24,984.113	377,850.50	17,575.252	14.1236
5.....	89,062.472	3,261,410.0	25,113.229	35.6194	60.....	24,080.276	352,866.38	17,161.300	13.6538
6.....	87,279.477	3,172,347.5	25,076.557	35.3470	61.....	23,172.308	328,786.11	16,725.494	13.1888
7.....	85,534.743	3,085,068.0	25,043.185	35.0680	62.....	22,259.955	305,613.80	16,267.500	12.7293
8.....	83,827.402	2,999,533.3	25,012.996	34.7823	63.....	21,343.150	283,353.84	15,787.165	12.2761
9.....	82,157.429	2,915,705.9	24,986.698	34.4893	64.....	20,422.884	262,010.69	15,285.392	11.8293
10.....	80,525.557	2,833,548.5	24,965.756	34.1882	65.....	19,501.051	241,587.81	14,764.008	11.3885
11.....	78,930.046	2,753,022.9	24,949.177	33.8793	66.....	18,580.104	222,086.76	14,225.435	10.9529
12.....	77,366.147	2,674,092.9	24,932.926	33.5641	67.....	17,661.300	203,506.65	13,670.946	10.5227
13.....	75,826.409	2,596,726.7	24,910.172	33.2457	68.....	16,745.510	185,845.35	13,101.456	10.0982
14.....	74,303.934	2,520,900.3	24,874.489	32.9269	69.....	15,832.223	169,099.84	12,516.512	9.6807
15.....	72,794.544	2,446,596.4	24,822.039	32.6096	70.....	14,921.404	153,267.62	11,916.129	9.2717
16.....	71,298.688	2,373,801.8	24,753.526	32.2938	71.....	14,013.393	138,346.22	11,300.695	8.8724
17.....	69,818.191	2,302,503.1	24,671.044	31.9786	72.....	13,110.628	124,332.82	10,672.702	8.4834
18.....	68,355.432	2,232,685.0	24,577.268	31.6629	73.....	12,217.177	111,222.20	10,036.323	8.1038
19.....	66,912.596	2,164,329.5	24,474.735	31.3456	74.....	11,338.259	99,005.019	9,396.9571	7.7319
20.....	65,491.031	2,097,416.9	24,365.182	31.0260	75.....	10,478.330	87,666.760	8,759.3468	7.3665
21.....	64,090.679	2,031,925.9	24,248.968	30.7039	76.....	9,639.3446	77,188.429	8,125.8187	7.0076
22.....	62,712.101	1,967,835.2	24,127.070	30.3789	77.....	8,822.1739	67,549.085	7,497.6548	6.6567
23.....	61,357.643	1,905,123.1	24,002.260	30.0495	78.....	8,029.0432	58,726.911	6,877.5078	6.3143
24.....	60,031.235	1,843,765.5	23,878.943	29.7134	79.....	7,262.3483	50,697.868	6,268.2452	5.9809
25.....	58,734.678	1,783,734.2	23,759.469	29.3694	80.....	6,524.3655	43,435.519	5,672.6614	5.6574
26.....	57,468.427	1,724,999.6	23,644.879	29.0165	81.....	5,816.3439	36,911.154	5,092.5685	5.3461
27.....	56,231.166	1,667,531.1	23,534.450	28.6549	82.....	5,140.1084	31,094.810	4,530.3790	5.0494
28.....	55,022.196	1,611,300.0	23,428.052	28.2845	83.....	4,499.7114	25,954.702	3,990.7684	4.7681
29.....	53,840.298	1,556,277.8	23,325.020	27.9054	84.....	3,900.6763	21,454.990	3,479.9629	4.5003
30.....	52,683.787	1,502,437.5	23,224.201	27.5180	85.....	3,347.5833	17,554.314	3,003.3538	4.2439
31.....	51,552.118	1,449,753.7	23,125.548	27.1221	86.....	2,841.5403	14,206.731	2,562.9497	3.9997
32.....	50,444.759	1,398,201.6	23,029.014	26.7175	87.....	2,382.4644	11,365.190	2,159.5902	3.7704
33.....	49,360.196	1,347,756.8	22,933.565	26.3045	88.....	1,972.4469	8,982.7258	1,796.2878	3.5541
34.....	48,296.533	1,298,396.6	22,837.748	25.8838	89.....	1,612.4174	7,010.2788	1,474.9336	3.3477
35.....	47,252.475	1,250,100.1	22,740.681	25.4558	90.....	1,300.9995	5,397.8615	1,195.1318	3.1490
36.....	46,225.892	1,202,847.6	22,640.617	25.0211	91.....	1,035.0854	4,096.8620	954.72749	2.9580
37.....	45,215.720	1,156,621.7	22,536.836	24.5801	92.....	810.56321	3,061.7766	750.50108	2.7773
38.....	44,220.974	1,111,406.0	22,428.673	24.1330	93.....	623.48204	2,251.2133	579.31331	2.6107
39.....	43,240.743	1,067,185.0	22,315.519	23.6801	94.....	470.17881	1,627.7313	438.23522	2.4619
40.....	42,274.185	1,023,944.3	22,196.819	23.2215	95.....	347.37456	1,157.5525	324.65016	2.3323
41.....	41,319.700	981,670.09	22,071.240	22.7579	96.....	251.50940	810.17794	235.59626	2.2213
42.....	40,375.018	940,350.39	21,936.748	22.2904	97.....	178.92181	558.66854	167.94024	2.1224
43.....	39,439.664	899,975.38	21,793.061	21.8190	98.....	125.15055	379.74673	117.67724	2.0343
44.....	38,512.445	860,535.71	21,639.169	21.3444	99.....	86.136704	254.59618	81.117329	1.9557
45.....	37,593.055	822,023.27	21,474.924	20.8664	100....	58.381262	168.45948	55.050843	1.8855
46.....	36,680.502	784,430.21	21,299.490	20.3855	101....	38.998111	110.07822	36.812422	1.8227
47.....	35,773.559	747,749.71	21,111.772	19.9023	102....	25.695932	71.080105	24.274912	1.7662
48.....	34,870.101	711,976.15	20,909.757	19.4180	103....	16.714952	45.384174	15.797773	1.7152
49.....	33,968.264	677,106.05	20,691.648	18.9335	104....	10.742962	28.669222	10.153527	1.6687
50.....	33,067.439	643,137.79	20,456.867	18.4493	105....	6.8276787	17.926261	6.4488909	1.6255
51.....	32,167.810	610,070.35	20,205.619	17.9652	106....	4.2944091	11.098582	4.0494973	1.5844
52.....	31,270.265	577,902.54	19,938.816	17.4809	107....	2.6751221	6.8041727	2.5144145	1.5435
53.....	30,373.851	546,632.27	19,655.544	16.9968	108....	1.6516519	4.1290506	1.5433976	1.5000
54.....	29,477.525	516,258.42	19,354.783	16.5136	109....	1.0114101	2.4773987	.9355411	1.4495

**TABLE 2D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,915,847.3	15,072.401	28.1585	55.....	16,711.955	256,182.31	9,250.3258	14.3293
1.....	95,734.951	2,815,847.3	13,719.974	28.4129	56.....	16,029.523	239,470.35	9,054.6499	13.9393
2.....	92,852.679	2,720,112.3	13,626.098	28.2949	57.....	15,358.773	223,440.83	8,850.7792	13.5481
3.....	90,082.424	2,627,259.6	13,560.290	28.1651	58.....	14,699.241	208,082.06	8,638.5896	13.1560
4.....	87,407.938	2,537,177.2	13,509.564	28.0269	59.....	14,050.048	193,382.82	8,417.5301	12.7639
5.....	84,822.190	2,449,769.3	13,469.679	27.8812	60.....	13,410.294	179,332.77	8,187.0002	12.3728
6.....	82,317.053	2,364,947.1	13,435.091	27.7297	61.....	12,779.359	165,922.47	7,946.6565	11.9836
7.....	79,888.301	2,282,630.0	13,403.922	27.5728	62.....	12,157.016	153,143.12	7,696.5285	11.5971
8.....	77,533.535	2,202,741.7	13,376.000	27.4102	63.....	11,543.146	140,986.10	7,436.7460	11.2138
9.....	75,251.188	2,125,208.2	13,351.912	27.2415	64.....	10,938.196	129,442.95	7,168.0036	10.8340
10.....	73,040.411	2,049,957.0	13,332.917	27.0661	65.....	10,343.073	118,504.76	6,891.4691	10.4574
11.....	70,898.128	1,976,916.6	13,318.025	26.8839	66.....	9,758.9402	108,161.69	6,608.5910	10.0833
12.....	68,818.679	1,906,018.5	13,303.570	26.6962	67.....	9,186.2894	98,402.745	6,320.1812	9.7119
13.....	66,794.208	1,837,199.8	13,283.526	26.5054	68.....	8,625.3906	89,216.456	6,026.8443	9.3435
14.....	64,817.618	1,770,405.6	13,252.398	26.3136	69.....	8,075.7941	80,591.065	5,728.4727	8.9793
15.....	62,884.417	1,705,588.0	13,207.089	26.1226	70.....	7,537.3033	72,515.271	5,425.1992	8.6209
16.....	60,994.221	1,642,703.5	13,148.478	25.9321	71.....	7,009.9116	64,977.968	5,117.3406	8.2694
17.....	59,147.813	1,581,709.3	13,078.601	25.7416	72.....	6,494.6491	57,968.056	4,806.2503	7.9255
18.....	57,346.389	1,522,561.5	12,999.929	25.5503	73.....	5,993.3000	51,473.407	4,494.0657	7.5885
19.....	55,590.922	1,465,215.1	12,914.744	25.3571	74.....	5,508.1336	45,480.107	4,183.4615	7.2569
20.....	53,881.636	1,409,624.2	12,824.612	25.1615	75.....	5,040.9583	39,971.973	3,876.7173	6.9294
21.....	52,217.582	1,355,742.6	12,729.926	24.9633	76.....	4,592.3130	34,931.015	3,574.8960	6.6064
22.....	50,598.330	1,303,525.0	12,631.575	24.7622	77.....	4,162.1961	30,338.702	3,278.5358	6.2891
23.....	49,024.870	1,252,926.6	12,531.852	24.5570	78.....	3,751.2298	26,176.506	2,988.7985	5.9781
24.....	47,499.387	1,203,901.8	12,434.278	24.3456	79.....	3,360.0821	22,425.276	2,706.9099	5.6740
25.....	46,022.295	1,156,402.4	12,340.663	24.1270	80.....	2,989.3313	19,065.194	2,434.0256	5.3777
26.....	44,592.923	1,110,380.1	12,251.746	23.9004	81.....	2,639.0571	16,075.863	2,170.8193	5.0915
27.....	43,209.243	1,065,787.2	12,166.890	23.6657	82.....	2,309.5849	13,436.806	1,918.2129	4.8178
28.....	41,869.757	1,022,577.9	12,085.925	23.4228	83.....	2,002.2083	11,127.221	1,678.1057	4.5575
29.....	40,572.607	980,708.17	12,008.283	23.1717	84.....	1,718.8084	9,125.0123	1,453.0225	4.3089
30.....	39,315.644	940,135.56	11,933.046	22.9125	85.....	1,460.7702	7,406.2039	1,245.0467	4.0701
31.....	38,097.623	900,819.92	11,860.140	22.6450	86.....	1,227.9121	5,945.4337	1,054.7353	3.8419
32.....	36,917.336	862,722.30	11,789.493	22.3690	87.....	1,019.5366	4,717.5217	882.12424	3.6271
33.....	35,772.899	825,804.96	11,720.318	22.0847	88.....	835.88142	3,697.9851	728.16432	3.4241
34.....	34,662.202	790,032.06	11,651.551	21.7923	89.....	676.67441	2,862.1036	593.30337	3.2297
35.....	33,583.636	755,369.86	11,582.563	21.4922	90.....	540.68257	2,185.4292	477.02049	3.0420
36.....	32,535.044	721,786.22	11,512.135	21.1849	91.....	425.99487	1,644.7467	378.08083	2.8610
37.....	31,515.086	689,251.18	11,439.800	20.8705	92.....	330.35282	1,218.7518	294.84639	2.6892
38.....	30,522.514	657,736.09	11,365.143	20.5492	93.....	251.63904	888.39897	225.75454	2.5304
39.....	29,556.165	627,213.58	11,287.799	20.2211	94.....	187.92306	636.75993	169.36785	2.3884
40.....	28,614.959	597,657.42	11,207.453	19.8862	95.....	137.49217	448.83687	124.41045	2.2645
41.....	27,697.335	569,042.46	11,123.275	19.5450	96.....	98.581889	311.34470	89.504795	2.1582
42.....	26,801.340	541,345.12	11,033.998	19.1984	97.....	69.449505	212.76281	63.243729	2.0636
43.....	25,926.263	514,543.78	10,939.542	18.8464	98.....	48.106256	143.31330	43.923281	1.9791
44.....	25,070.948	488,617.52	10,839.361	18.4894	99.....	32.788384	95.207047	30.006561	1.9037
45.....	24,234.844	463,546.57	10,733.479	18.1273	100....	22.007372	62.418664	20.180551	1.8363
46.....	23,416.977	439,311.73	10,621.481	17.7604	101....	14.557983	40.411292	13.372154	1.7759
47.....	22,616.253	415,894.75	10,502.805	17.3892	102....	9.4991548	25.853308	8.7373446	1.7216
48.....	21,831.052	393,278.50	10,376.330	17.0146	103....	6.1191158	16.354153	5.6339799	1.6726
49.....	21,059.971	371,447.44	10,241.104	16.6376	104....	3.8946687	10.235038	3.5877595	1.6280
50.....	20,302.425	350,387.47	10,096.956	16.2584	105....	2.4512213	6.3403688	2.2577491	1.5866
51.....	19,558.331	330,085.05	9,944.1950	15.8770	106....	1.5267777	3.8891476	1.4047003	1.5473
52.....	18,828.027	310,526.72	9,783.5508	15.4928	107....	.9418439	2.3623699	.8642358	1.5082
53.....	18,110.734	291,698.69	9,614.6469	15.1064	108....	.5758599	1.4205259	.5256840	1.4668
54.....	17,405.646	273,587.96	9,437.0562	14.7183	109....	.3492115	.8446661	.3158083	1.4188



TABLE 2E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,362,266.7	9,143.5863	22.6227	55.....	9,822.9280	136,562.04	4,570.5390	12.9024
1.....	94,814.423	2,262,266.7	7,804.1632	22.8599	56.....	9,331.2149	126,739.11	4,456.6308	12.5823
2.....	91,075.635	2,167,452.3	7,712.0838	22.7984	57.....	8,854.7846	117,407.90	4,339.0934	12.2593
3.....	87,508.798	2,076,376.6	7,648.1557	22.7276	58.....	8,393.0587	108,553.11	4,217.9361	11.9337
4.....	84,094.272	1,988,867.8	7,599.3527	22.6505	59.....	7,945.2406	100,160.05	4,092.9279	11.6063
5.....	80,821.873	1,904,773.6	7,561.3486	22.5676	60.....	7,510.5442	92,214.814	3,963.8178	11.2780
6.....	77,680.700	1,823,951.7	7,528.7090	22.4801	61.....	7,088.3650	84,704.269	3,830.5056	10.9498
7.....	74,663.850	1,746,271.0	7,499.5787	22.3884	62.....	6,678.3303	77,615.904	3,693.1004	10.6221
8.....	71,766.318	1,671,607.1	7,473.7335	22.2924	63.....	6,280.1349	70,937.574	3,551.7638	10.2955
9.....	68,983.993	1,599,840.8	7,451.6516	22.1915	64.....	5,893.7858	64,657.439	3,406.9584	9.9704
10.....	66,313.517	1,530,856.8	7,434.4056	22.0851	65.....	5,519.5304	58,763.653	3,259.3870	9.6465
11.....	63,749.607	1,464,543.3	7,421.0154	21.9734	66.....	5,157.7358	53,244.123	3,109.8821	9.3232
12.....	61,284.826	1,400,793.7	7,408.1428	21.8571	67.....	4,808.3984	48,086.387	2,958.9191	9.0005
13.....	58,910.039	1,339,508.9	7,390.4645	21.7382	68.....	4,471.3944	43,277.989	2,806.8535	8.6789
14.....	56,617.079	1,280,598.8	7,363.2753	21.6186	69.....	4,146.2294	38,806.594	2,653.6653	8.3595
15.....	54,400.303	1,223,981.8	7,324.0788	21.4995	70.....	3,832.5512	34,660.365	2,499.4574	8.0437
16.....	52,257.768	1,169,581.4	7,273.8632	21.3810	71.....	3,530.1114	30,827.814	2,344.4233	7.7328
17.....	50,188.561	1,117,323.7	7,214.5707	21.2625	72.....	3,239.1827	27,297.702	2,189.2682	7.4273
18.....	48,192.118	1,067,135.1	7,148.4569	21.1434	73.....	2,960.3949	24,058.520	2,035.0644	7.1268
19.....	46,267.677	1,018,943.0	7,077.5589	21.0228	74.....	2,694.5856	21,098.125	1,883.1164	6.8298
20.....	44,413.856	972,675.32	7,003.2637	20.9003	75.....	2,442.3309	18,403.539	1,734.4997	6.5352
21.....	42,628.334	928,261.47	6,925.9665	20.7757	76.....	2,203.5696	15,961.208	1,589.6741	6.2433
22.....	40,909.264	885,633.13	6,846.4483	20.6487	77.....	1,977.9792	13,757.638	1,448.8364	5.9554
23.....	39,255.979	844,723.87	6,766.5965	20.5183	78.....	1,765.5366	11,779.659	1,312.4699	5.6720
24.....	37,668.754	805,467.89	6,689.2170	20.3829	79.....	1,566.2347	10,014.123	1,181.0732	5.3938
25.....	36,146.429	767,799.14	6,615.6904	20.2414	80.....	1,380.0184	8,447.8880	1,055.0968	5.1216
26.....	34,687.017	731,652.71	6,546.5256	20.0930	81.....	1,206.6005	7,067.8696	934.75652	4.8577
27.....	33,287.530	696,965.69	6,481.1540	19.9377	82.....	1,045.8094	5,861.2691	820.37311	4.6045
28.....	31,945.466	663,678.16	6,419.3800	19.7753	83.....	897.90782	4,815.4597	712.69496	4.3630
29.....	30,658.125	631,732.70	6,360.7109	19.6057	84.....	763.40295	3,917.5519	612.72501	4.1317
30.....	29,422.662	601,074.57	6,304.4061	19.4290	85.....	642.55773	3,154.1489	521.24145	3.9087
31.....	28,236.985	571,651.91	6,250.3702	19.2448	86.....	534.93549	2,511.5912	438.33296	3.6951
32.....	27,099.089	543,414.92	6,198.5119	19.0529	87.....	439.88671	1,976.6557	363.85863	3.4936
33.....	26,006.526	516,315.83	6,148.2223	18.8533	88.....	357.17955	1,536.7690	298.07018	3.3025
34.....	24,956.763	490,309.31	6,098.7098	18.6464	89.....	286.36871	1,179.5894	240.99701	3.1191
35.....	23,947.694	465,352.55	6,049.5162	18.4320	90.....	226.61677	893.22071	192.25926	2.9415
36.....	22,976.891	441,404.85	5,999.7787	18.2108	91.....	176.83081	666.60393	151.18933	2.7697
37.....	22,042.571	418,427.96	5,949.1854	17.9827	92.....	135.81116	489.77312	116.97087	2.6063
38.....	21,143.065	396,385.39	5,897.4701	17.7478	93.....	102.45647	353.96195	88.839674	2.4548
39.....	20,276.809	375,242.32	5,844.4091	17.5060	94.....	75.778378	251.50549	66.102220	2.3190
40.....	19,442.340	354,965.51	5,789.8177	17.2573	95.....	54.909450	175.72711	48.147845	2.2003
41.....	18,637.914	335,523.17	5,733.1732	17.0022	96.....	38.991517	120.81766	34.341815	2.0986
42.....	17,861.573	316,885.26	5,673.6753	16.7412	97.....	27.204832	81.826144	24.054803	2.0078
43.....	17,112.245	299,023.69	5,611.3315	16.4743	98.....	18.663038	54.621312	16.559348	1.9267
44.....	16,388.595	281,911.44	5,545.8443	16.2017	99.....	12.598089	35.958275	11.212209	1.8543
45.....	15,689.716	265,522.85	5,477.2958	15.9234	100....	8.3744583	23.360186	7.4731202	1.7895
46.....	15,014.455	249,833.13	5,405.4852	15.6395	101....	5.4864781	14.985728	4.9072345	1.7314
47.....	14,361.615	234,818.68	5,330.1242	15.3504	102....	3.5455309	9.4992498	3.1773057	1.6792
48.....	13,729.704	220,457.06	5,250.5829	15.0569	103....	2.2619806	5.9537188	2.0301219	1.6321
49.....	13,117.412	206,727.36	5,166.3565	14.7598	104....	1.4258525	3.6917383	1.2809931	1.5891
50.....	12,523.975	193,609.95	5,077.4356	14.4591	105....	.8887722	2.2658858	.7987534	1.5495
51.....	11,948.956	181,085.97	4,984.1079	14.1550	106....	.5482614	1.3771135	.4924260	1.5118
52.....	11,392.180	169,137.02	4,886.9077	13.8468	107....	.3349613	.8288522	.3002130	1.4745
53.....	10,852.805	157,744.84	4,785.6926	13.5349	108....	.2028320	.4938908	.1809667	1.4350
54.....	10,329.992	146,892.03	4,680.2951	13.2200	109....	.1218182	.2910588	.1077542	1.3893

**TABLE 2F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,973,546.9	6,021.5772	18.7355	55.....	5,803.1417	73,678.989	2,294.6174	11.6964
1.....	93,911.429	1,873,546.9	4,694.9105	18.9501	56.....	5,460.1484	67,875.848	2,227.9642	11.4311
2.....	89,349.122	1,779,635.4	4,604.5767	18.9178	57.....	5,132.0194	62,415.699	2,159.8423	11.1620
3.....	85,032.283	1,690,286.3	4,542.4577	18.8782	58.....	4,818.0865	57,283.680	2,090.2913	10.8893
4.....	80,936.156	1,605,254.0	4,495.4875	18.8336	59.....	4,517.5756	52,465.593	2,019.2130	10.6137
5.....	77,045.825	1,524,317.9	4,459.2590	18.7846	60.....	4,229.7415	47,948.018	1,946.5016	10.3359
6.....	73,346.158	1,447,272.0	4,428.4406	18.7321	61.....	3,953.9623	43,718.276	1,872.1387	10.0568
7.....	69,826.241	1,373,925.9	4,401.1978	18.6764	62.....	3,689.7623	39,764.314	1,796.2226	9.7769
8.....	66,477.241	1,304,099.6	4,377.2574	18.6172	63.....	3,436.7149	36,074.552	1,718.8782	9.4968
9.....	63,291.399	1,237,622.4	4,356.9976	18.5544	64.....	3,194.5738	32,637.837	1,640.3901	9.2166
10.....	60,261.850	1,174,331.0	4,341.3255	18.4871	65.....	2,963.2258	29,443.263	1,561.1647	8.9362
11.....	57,380.186	1,114,069.2	4,329.2731	18.4156	66.....	2,742.6207	26,480.037	1,481.6656	8.6550
12.....	54,636.320	1,056,689.0	4,317.7971	18.3404	67.....	2,532.5098	23,737.417	1,402.1557	8.3731
13.....	52,018.980	1,002,052.6	4,302.1867	18.2632	68.....	2,332.5863	21,204.907	1,322.8279	8.0907
14.....	49,518.106	950,033.67	4,278.4066	18.1856	69.....	2,142.3583	18,872.321	1,243.6754	7.8091
15.....	47,126.146	900,515.56	4,244.4513	18.1086	70.....	1,961.4208	16,729.962	1,164.7550	7.5295
16.....	44,838.957	853,389.42	4,201.3645	18.0323	71.....	1,789.4323	14,768.541	1,086.1674	7.2532
17.....	42,653.378	808,550.46	4,150.9741	17.9563	72.....	1,626.3212	12,979.109	1,008.2675	6.9807
18.....	40,566.612	765,897.08	4,095.3216	17.8800	73.....	1,472.1925	11,352.788	931.58256	6.7115
19.....	38,575.757	725,330.47	4,036.2102	17.8028	74.....	1,327.2446	9,880.5954	856.73910	6.4444
20.....	36,677.463	686,754.71	3,974.8564	17.7242	75.....	1,191.5370	8,553.3508	784.23363	6.1784
21.....	34,867.692	650,077.25	3,911.6315	17.6441	76.....	1,064.8142	7,361.8138	714.25069	5.9137
22.....	33,142.903	615,209.56	3,847.2092	17.5623	77.....	946.70095	6,296.9996	646.84288	5.6515
23.....	31,500.594	582,066.65	3,783.1330	17.4780	78.....	836.97380	5,350.2987	582.19673	5.3924
24.....	29,939.064	550,566.06	3,721.6318	17.3896	79.....	735.42098	4,513.3249	520.49980	5.1371
25.....	28,455.512	520,627.00	3,663.7496	17.2962	80.....	641.81239	3,777.9039	461.91126	4.8863
26.....	27,046.558	492,171.48	3,609.8196	17.1972	81.....	555.81565	3,136.0915	406.47701	4.6423
27.....	25,708.140	465,124.93	3,559.3327	17.0925	82.....	477.15979	2,580.2759	354.28857	4.4076
28.....	24,436.689	439,416.79	3,512.0787	16.9818	83.....	405.77669	2,103.1161	305.62736	4.1829
29.....	23,228.585	414,980.10	3,467.6272	16.8651	84.....	341.70648	1,697.3394	260.87985	3.9672
30.....	22,080.208	391,751.51	3,425.3733	16.7422	85.....	284.87581	1,355.6329	220.32092	3.7587
31.....	20,988.605	369,671.30	3,385.2084	16.6130	86.....	234.90317	1,070.7571	183.91379	3.5583
32.....	19,950.968	348,682.70	3,347.0291	16.4770	87.....	191.32527	835.85393	151.52176	3.3688
33.....	18,964.250	328,731.73	3,310.3573	16.3343	88.....	153.87290	644.52866	123.18011	3.1887
34.....	18,025.430	309,767.48	3,274.5962	16.1850	89.....	122.19267	490.65576	98.827159	3.0154
35.....	17,131.883	291,742.05	3,239.4037	16.0292	90.....	95.775775	368.46310	78.228967	2.8471
36.....	16,280.837	274,610.17	3,204.1609	15.8671	91.....	74.022816	272.68732	61.036760	2.6838
37.....	15,470.051	258,329.33	3,168.6532	15.6987	92.....	56.310214	198.66451	46.849053	2.5280
38.....	14,697.432	242,859.28	3,132.7037	15.5239	93.....	42.076064	142.35429	35.296343	2.3833
39.....	13,961.021	228,161.85	3,096.1701	15.3428	94.....	30.823722	100.27823	26.047623	2.2533
40.....	13,258.981	214,200.83	3,058.9407	15.1551	95.....	22.122332	69.454507	18.814029	2.1396
41.....	12,589.339	200,941.85	3,020.6791	14.9613	96.....	15.559585	47.332174	13.304726	2.0420
42.....	11,950.041	188,352.51	2,980.8728	14.7617	97.....	10.752710	31.772590	9.2387842	1.9548
43.....	11,339.678	176,402.47	2,939.5598	14.5562	98.....	7.3063130	21.019879	6.3044208	1.8769
44.....	10,756.711	165,062.79	2,896.5770	14.3451	99.....	4.8850009	13.713566	4.2310283	1.8073
45.....	10,199.923	154,306.08	2,852.0135	14.1282	100....	3.2163311	8.8285655	2.7949776	1.7449
46.....	9,667.9727	144,106.15	2,805.7739	13.9055	101....	2.0870926	5.6122344	1.8188977	1.6890
47.....	9,159.5294	134,438.18	2,757.7102	13.6774	102....	1.3358983	3.5251418	1.1670888	1.6388
48.....	8,673.1147	125,278.65	2,707.4637	13.4445	103....	.8441605	2.1892436	.7389652	1.5934
49.....	8,207.4098	116,605.54	2,654.7642	13.2073	104....	.5270536	1.3450831	.4620564	1.5521
50.....	7,761.4738	108,398.13	2,599.6573	12.9662	105....	.3253979	.8180295	.2854985	1.5139
51.....	7,334.5928	100,636.65	2,542.3702	12.7208	106....	.1988181	.4926316	.1744139	1.4778
52.....	6,926.2306	93,302.061	2,483.2744	12.4708	107....	.1203115	.2938135	.1053747	1.4421
53.....	6,535.4593	86,375.831	2,422.3235	12.2165	108....	.0721594	.1735021	.0629518	1.4044
54.....	6,161.3820	79,840.371	2,359.4586	11.9582	109....	.0429252	.1013427	.0371538	1.3609

TABLE 2G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,690,490.8	4,311.8420	15.9049	55.....	3,445.4982	40,205.022	1,169.7420	10.6689
1.....	93,025.472	1,590,490.8	2,997.6910	16.0974	56.....	3,211.2694	36,759.524	1,130.5413	10.4470
2.....	87,671.241	1,497,465.3	2,909.0535	16.0805	57.....	2,989.8130	33,548.254	1,090.8549	10.2209
3.....	82,648.341	1,409,794.1	2,848.6762	16.0577	58.....	2,780.4414	30,558.441	1,050.7180	9.9905
4.....	77,924.910	1,327,145.7	2,803.4535	16.0311	59.....	2,582.4268	27,778.000	1,010.0869	9.7565
5.....	73,479.515	1,249,220.8	2,768.9019	16.0009	60.....	2,395.0790	25,195.573	968.91422	9.5197
6.....	69,291.182	1,175,741.3	2,739.7874	15.9681	61.....	2,217.7980	22,800.494	927.20369	9.2807
7.....	65,343.546	1,106,450.1	2,714.2934	15.9328	62.....	2,050.0823	20,582.696	885.02368	9.0399
8.....	61,622.663	1,041,106.6	2,692.1013	15.8949	63.....	1,891.4716	18,532.614	842.45546	8.7980
9.....	58,115.984	979,483.92	2,673.4982	15.8540	64.....	1,741.6171	16,641.142	799.66538	8.5550
10.....	54,812.145	921,367.93	2,659.2433	15.8096	65.....	1,600.2504	14,899.525	756.88075	8.3107
11.....	51,698.712	866,555.79	2,648.3843	15.7617	66.....	1,467.1428	13,299.274	714.35334	8.0647
12.....	48,762.128	814,857.07	2,638.1421	15.7109	67.....	1,341.9650	11,832.132	672.22143	7.8170
13.....	45,988.207	766,094.95	2,624.3415	15.6585	68.....	1,224.3659	10,490.167	630.58253	7.5678
14.....	43,364.276	720,106.74	2,603.5167	15.6060	69.....	1,113.9073	9,265.8008	589.42767	7.3183
15.....	40,880.239	676,742.46	2,574.0617	15.5543	70.....	1,010.2088	8,151.8935	548.78056	7.0695
16.....	38,529.240	635,862.22	2,537.0381	15.5034	71.....	912.93333	7,141.6847	508.68671	6.8228
17.....	36,305.448	597,332.98	2,494.1471	15.4530	72.....	821.88976	6,228.7514	469.31861	6.5786
18.....	34,203.500	561,027.54	2,447.2240	15.4026	73.....	736.97924	5,406.8616	430.93016	6.3365
19.....	32,218.084	526,824.04	2,397.8548	15.3518	74.....	658.15027	4,669.8824	393.81699	6.0955
20.....	30,343.660	494,605.95	2,347.0961	15.3001	75.....	585.28186	4,011.7321	358.20237	5.8544
21.....	28,574.281	464,262.29	2,295.2829	15.2476	76.....	518.10144	3,426.4502	324.15111	5.6135
22.....	26,904.572	435,688.01	2,242.9865	15.1938	77.....	456.28608	2,908.3488	291.66224	5.3740
23.....	25,330.147	408,783.44	2,191.4617	15.1382	78.....	399.59468	2,452.0627	260.79836	5.1364
24.....	23,847.378	383,453.29	2,142.4742	15.0795	79.....	347.79816	2,052.4680	231.62041	4.9013
25.....	22,451.856	359,605.91	2,096.8042	15.0168	80.....	300.66495	1,704.6699	204.17389	4.6697
26.....	21,138.846	337,154.06	2,054.6540	14.9495	81.....	257.92231	1,404.0049	178.45002	4.4435
27.....	19,903.221	316,015.21	2,015.5671	14.8776	82.....	219.33372	1,146.0826	154.46081	4.2253
28.....	18,740.385	296,111.99	1,979.3282	14.8007	83.....	184.76176	926.74890	132.30396	4.0159
29.....	17,645.840	277,371.61	1,945.5602	14.7188	84.....	154.12094	741.98714	112.12136	3.8143
30.....	16,615.223	259,725.77	1,913.7644	14.6318	85.....	127.27627	587.86619	94.000513	3.6188
31.....	15,644.800	243,110.54	1,883.8256	14.5394	86.....	103.95950	460.58992	77.888057	3.4305
32.....	14,731.055	227,465.74	1,855.6355	14.4412	87.....	83.874720	356.63042	63.687778	3.2519
33.....	13,870.400	212,734.69	1,828.8138	14.3373	88.....	66.819666	272.75570	51.380350	3.0820
34.....	13,059.374	198,864.29	1,802.9050	14.2277	89.....	52.561863	205.93604	40.904791	2.9180
35.....	12,294.908	185,804.91	1,777.6486	14.1123	90.....	40.809823	153.37417	32.127952	2.7583
36.....	11,573.916	173,510.01	1,752.5948	13.9915	91.....	31.243385	112.56435	24.871503	2.6028
37.....	10,893.785	161,936.09	1,727.5908	13.8650	92.....	23.543070	81.320964	18.939681	2.4541
38.....	10,252.079	151,042.30	1,702.5146	13.7328	93.....	17.425869	57.777895	14.155108	2.3156
39.....	9,646.5296	140,790.22	1,677.2712	13.5949	94.....	12.645263	40.352025	10.360871	2.1911
40.....	9,075.0182	131,143.70	1,651.7898	13.4511	95.....	8.9899469	27.706762	7.4213247	2.0820
41.....	8,535.3971	122,068.68	1,625.8490	13.3015	96.....	6.2633639	18.716816	5.2036066	1.9883
42.....	8,025.5279	113,533.28	1,599.1155	13.1465	97.....	4.2875680	12.453452	3.5823407	1.9045
43.....	7,543.7691	105,507.75	1,571.6318	12.9861	98.....	2.8858569	8.1658838	2.4233221	1.8296
44.....	7,088.4385	97,963.983	1,543.3071	12.8202	99.....	1.9112812	5.2800269	1.6120969	1.7626
45.....	6,658.1168	90,875.545	1,514.2178	12.6488	100....	1.2465340	3.3687457	1.0555354	1.7025
46.....	6,251.3436	84,217.428	1,484.3190	12.4719	101....	.8012509	2.1222117	.6808108	1.6486
47.....	5,866.7090	77,966.084	1,453.5341	12.2896	102....	.5080233	1.3209608	.4329370	1.6002
48.....	5,502.7517	72,099.375	1,421.6547	12.1024	103....	.3179938	.8129375	.2716636	1.5565
49.....	5,158.1548	66,596.623	1,388.5343	11.9109	104....	.1966672	.4949437	.1683366	1.5167
50.....	4,831.8772	61,438.469	1,354.2277	11.7152	105....	.1202750	.2982765	.1030765	1.4800
51.....	4,523.0473	56,606.591	1,318.9003	11.5151	106....	.0727947	.1780015	.0624043	1.4453
52.....	4,230.9267	52,083.544	1,282.8013	11.3102	107....	.0436349	.1052068	.0373649	1.4111
53.....	3,954.5594	47,852.617	1,245.9204	11.1006	108....	.0259241	.0615718	.0221240	1.3751
54.....	3,693.0362	43,898.058	1,208.2401	10.8867	109....	.0152759	.0356478	.0129432	1.3336

TABLE 2H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,477,605.5	3,334.2213	13.7761	55.....	2,055.7337	22,174.453	605.06839	9.7866
1.....	92,156.075	1,377,605.5	2,032.3522	13.9486	56.....	1,898.0762	20,118.720	581.89815	9.5995
2.....	86,040.184	1,285,449.4	1,945.3637	13.9401	57.....	1,750.6649	18,220.644	558.66003	9.4078
3.....	80,352.687	1,199,409.2	1,886.6634	13.9268	58.....	1,612.8532	16,469.979	535.37782	9.2117
4.....	75,052.413	1,119,056.5	1,843.1078	13.9103	59.....	1,483.9907	14,857.126	512.02913	9.0116
5.....	70,109.475	1,044,004.1	1,810.1408	13.8911	60.....	1,363.4685	13,373.135	488.59040	8.8082
6.....	65,495.355	973,894.64	1,782.6212	13.8697	61.....	1,250.7466	12,009.666	465.06738	8.6020
7.....	61,186.740	908,399.28	1,758.7491	13.8463	62.....	1,145.3566	10,758.920	441.50191	8.3935
8.....	57,163.283	847,212.54	1,738.1629	13.8209	63.....	1,046.8666	9,613.5632	417.94182	8.1832
9.....	53,406.533	790,049.26	1,721.0673	13.7931	64.....	954.91847	8,566.6966	394.48027	7.9711
10.....	49,899.670	736,642.73	1,708.0900	13.7625	65.....	869.20784	7,611.7781	371.24094	7.7571
11.....	46,625.413	686,743.06	1,698.2966	13.7289	66.....	789.46005	6,742.5703	348.35722	7.5407
12.....	43,566.001	640,117.64	1,689.1459	13.6931	67.....	715.35410	5,953.1102	325.89819	7.3219
13.....	40,703.674	596,551.64	1,676.9311	13.6560	68.....	646.56645	5,237.7561	303.90941	7.1009
14.....	38,022.557	555,847.97	1,658.6715	13.6189	69.....	582.73766	4,591.1896	282.37935	6.8787
15.....	35,509.515	517,825.41	1,633.0862	13.5827	70.....	523.54894	4,008.4520	261.31365	6.6563
16.....	33,154.604	482,315.90	1,601.2272	13.5475	71.....	468.71330	3,484.9031	240.72888	6.4350
17.....	30,949.048	449,161.29	1,564.6642	13.5129	72.....	418.02656	3,016.1897	220.70563	6.2153
18.....	28,884.718	418,212.24	1,525.0378	13.4787	73.....	371.33651	2,598.1632	201.36311	5.9968
19.....	26,953.761	389,327.53	1,483.7354	13.4443	74.....	328.51828	2,226.8267	182.83793	5.7784
20.....	25,148.363	362,373.77	1,441.6674	13.4094	75.....	289.41540	1,898.3084	165.22689	5.5591
21.....	23,460.602	337,225.40	1,399.1267	13.3741	76.....	253.80108	1,608.8930	148.54629	5.3392
22.....	21,883.260	313,764.80	1,356.5906	13.3381	77.....	221.43076	1,355.0919	132.77978	5.1197
23.....	20,410.128	291,881.54	1,315.0738	13.3008	78.....	192.10671	1,133.6612	117.94185	4.9012
24.....	19,035.783	271,471.41	1,275.9703	13.2611	79.....	165.64266	941.55445	104.04554	4.6843
25.....	17,754.336	252,435.63	1,239.8557	13.2183	80.....	141.85669	775.91179	91.095996	4.4697
26.....	16,559.818	234,681.30	1,206.8359	13.1717	81.....	120.55299	634.05510	79.072648	4.2596
27.....	15,446.132	218,121.48	1,176.5021	13.1214	82.....	101.55857	513.50211	67.964872	4.0562
28.....	14,407.776	202,675.35	1,148.6413	13.0671	83.....	84.751105	411.94353	57.801422	3.8606
29.....	13,439.493	188,267.57	1,122.9227	13.0085	84.....	70.035303	327.19243	48.630085	3.6718
30.....	12,536.284	174,828.08	1,098.9326	12.9458	85.....	57.296078	257.15713	40.472608	3.4882
31.....	11,693.775	162,291.79	1,076.5547	12.8785	86.....	46.362165	199.86105	33.287038	3.3109
32.....	10,907.888	150,598.02	1,055.6808	12.8063	87.....	37.055502	153.49888	27.013413	3.1424
33.....	10,174.613	139,690.13	1,036.0058	12.7293	88.....	29.244757	116.44338	21.626859	2.9817
34.....	9,490.1560	129,515.52	1,017.1780	12.6474	89.....	22.789591	87.198623	17.084903	2.8262
35.....	8,851.1226	120,025.36	998.99597	12.5605	90.....	17.528817	64.409032	13.315036	2.6745
36.....	8,254.2095	111,174.24	981.12829	12.4688	91.....	13.294379	46.880215	10.227343	2.5263
37.....	7,696.5489	102,920.03	963.46274	12.3722	92.....	9.9241916	33.585837	7.7268814	2.3842
38.....	7,175.4854	95,223.481	945.91173	12.2707	93.....	7.2769367	23.661645	5.7288727	2.2516
39.....	6,688.5583	88,047.996	928.40891	12.1640	94.....	5.2312334	16.384708	4.1592306	2.1321
40.....	6,233.4863	81,359.437	910.90614	12.0520	95.....	3.6843039	11.153475	2.9545314	2.0273
41.....	5,808.0363	75,125.951	893.25430	11.9348	96.....	2.5428928	7.4691709	2.0541495	1.9373
42.....	5,410.0501	69,317.915	875.23311	11.8128	97.....	1.7244616	4.9262781	1.4020757	1.8567
43.....	5,037.7678	63,907.865	856.87939	11.6858	98.....	1.1498452	3.2018165	.9402746	1.7846
44.....	4,689.4556	58,870.097	838.14077	11.5537	99.....	.7544166	2.0519713	.6200696	1.7199
45.....	4,363.6042	54,180.641	819.07616	11.4165	100....	.4874307	1.2975547	.4024380	1.6620
46.....	4,058.7229	49,817.037	799.66424	11.2741	101....	.3103840	.8101240	.2572793	1.6101
47.....	3,773.3984	45,758.314	779.86374	11.1266	102....	.1949560	.4997400	.1621568	1.5633
48.....	3,506.2277	41,984.916	759.55087	10.9744	103....	.1208909	.3047840	.1008458	1.5211
49.....	3,255.9420	38,478.688	738.64458	10.8180	104....	.0740677	.1838930	.0619314	1.4828
50.....	3,021.4838	35,222.746	717.19188	10.6574	105....	.0448740	.1098253	.0375832	1.4474
51.....	2,801.9320	32,201.262	695.30730	10.4925	106....	.0269055	.0649514	.0225504	1.4141
52.....	2,596.4745	29,399.330	673.15370	10.3228	107....	.0159771	.0380459	.0133822	1.3813
53.....	2,404.1898	26,802.856	650.73181	10.1484	108....	.0094035	.0220688	.0078538	1.3469
54.....	2,224.2126	24,398.666	628.03806	9.9696	109....	.0054893	.0126653	.0045547	1.3073

TABLE 2I.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,312,895.5	2,748.4816	12.1290	55.....	1,232.4465	12,353.697	317.35780	9.0237
1.....	91,302.778	1,212,895.5	1,458.6667	12.2843	56.....	1,127.3918	11,121.250	303.59549	8.8646
2.....	84,454.224	1,121,592.7	1,373.2817	12.2805	57.....	1,030.2065	9,993.8584	289.92064	8.7008
3.....	78,141.271	1,037,138.5	1,316.1969	12.2726	58.....	940.32097	8,963.6519	276.34672	8.5325
4.....	72,311.064	958,997.23	1,274.2322	12.2621	59.....	857.18092	8,023.3309	262.86008	8.3601
5.....	66,923.220	886,686.16	1,242.7635	12.2493	60.....	780.27274	7,166.1500	249.44678	8.1842
6.....	61,939.919	819,762.94	1,216.7378	12.2348	61.....	709.13788	6,385.8773	236.10990	8.0051
7.....	57,329.409	757,823.02	1,194.3706	12.2187	62.....	643.37191	5,676.7394	222.87266	7.8234
8.....	53,063.677	700,493.61	1,175.2608	12.2010	63.....	582.60305	5,033.3675	209.76098	7.6394
9.....	49,117.311	647,429.94	1,159.5382	12.1813	64.....	526.51132	4,450.7644	196.82503	7.4533
10.....	45,467.167	598,312.63	1,147.7137	12.1592	65.....	474.81571	3,924.2531	184.13026	7.2648
11.....	42,090.388	552,845.46	1,138.8728	12.1347	66.....	427.25940	3,449.4374	171.74548	7.0734
12.....	38,964.398	510,755.07	1,130.6886	12.1083	67.....	383.56817	3,022.1780	159.70310	6.8791
13.....	36,067.322	471,790.67	1,119.8652	12.0808	68.....	343.47464	2,638.6098	148.02202	6.6821
14.....	33,379.639	435,723.35	1,103.8352	12.0536	69.....	306.70059	2,295.1352	136.69054	6.4833
15.....	30,884.820	402,343.71	1,081.5821	12.0272	70.....	272.99760	1,988.4346	125.70612	6.2837
16.....	28,569.602	371,458.89	1,054.1290	12.0019	71.....	242.14129	1,715.4370	115.07185	6.0844
17.....	26,422.121	342,889.29	1,022.9140	11.9774	72.....	213.95649	1,473.2957	104.82344	5.8860
18.....	24,431.410	316,467.17	989.39709	11.9533	73.....	188.29954	1,259.3392	95.015122	5.6880
19.....	22,587.064	292,035.76	954.78592	11.9293	74.....	165.04455	1,071.0397	85.708243	5.4894
20.....	20,879.022	269,448.69	919.85963	11.9052	75.....	144.05333	905.99512	76.942544	5.2893
21.....	19,297.436	248,569.67	884.86793	11.8810	76.....	125.15700	761.94179	68.716832	5.0879
22.....	17,833.333	229,272.24	850.20402	11.8564	77.....	108.18316	636.78479	61.013882	4.8862
23.....	16,478.825	211,438.90	816.68396	11.8309	78.....	92.987434	528.60162	53.831722	4.6847
24.....	15,226.892	194,960.08	785.40471	11.8037	79.....	79.435376	435.61419	47.167623	4.4839
25.....	14,070.353	179,733.19	756.78379	11.7739	80.....	67.398710	356.17881	41.015058	4.2847
26.....	13,002.179	165,662.83	730.85786	11.7412	81.....	56.746594	288.78010	35.355439	4.0889
27.....	12,015.458	152,660.65	707.26132	11.7054	82.....	47.362914	232.03351	30.175211	3.8991
28.....	11,103.952	140,645.20	685.78925	11.6662	83.....	39.158605	184.67060	25.479265	3.7160
29.....	10,261.799	129,541.24	666.15170	11.6236	84.....	32.059657	145.51199	21.280955	3.5388
30.....	9,483.5180	119,279.44	648.00352	11.5776	85.....	25.985243	113.45233	17.581330	3.3660
31.....	8,764.2634	109,795.93	631.23174	11.5277	86.....	20.831744	87.467091	14.352664	3.1987
32.....	8,099.5589	101,031.66	615.73198	11.4737	87.....	16.495848	66.635347	11.559860	3.0395
33.....	7,485.1174	92,932.104	601.25777	11.4156	88.....	12.898225	50.139500	9.1841524	2.8873
34.....	6,916.9415	85,446.987	587.53505	11.3533	89.....	9.9581466	37.241274	7.1994977	2.7398
35.....	6,391.4461	78,530.045	574.40567	11.2867	90.....	7.5884765	27.283128	5.5674681	2.5953
36.....	5,905.2228	72,138.599	561.62278	11.2161	91.....	5.7020375	19.694651	4.2431384	2.4540
37.....	5,455.2776	66,233.377	549.10152	11.1412	92.....	4.2171319	13.992614	3.1806060	2.3180
38.....	5,038.8581	60,778.099	536.77664	11.0619	93.....	3.0635901	9.7754818	2.3394444	2.1909
39.....	4,653.4321	55,739.241	524.59940	10.9781	94.....	2.1819570	6.7118917	1.6847438	2.0761
40.....	4,296.6690	51,085.809	512.53494	10.8896	95.....	1.5225009	4.5299347	1.1869142	1.9753
41.....	3,966.3426	46,789.140	500.48040	10.7965	96.....	1.0410946	3.0074338	.8182857	1.8887
42.....	3,660.3467	42,822.797	488.28757	10.6991	97.....	.6994806	1.96663392	.5537898	1.8111
43.....	3,376.9070	39,162.451	475.98474	10.5971	98.....	.4620847	1.2668587	.3682073	1.7416
44.....	3,114.3212	35,785.544	463.54021	10.4906	99.....	.3003679	.8047740	.2407190	1.6793
45.....	2,871.0870	32,671.222	450.99641	10.3794	100....	.1922716	.5044061	.1548722	1.6234
46.....	2,645.7598	29,800.135	438.34236	10.2634	101....	.1213002	.3121346	.0981431	1.5732
47.....	2,436.9898	27,154.375	425.55453	10.1426	102....	.0754847	.1908343	.0613128	1.5281
48.....	2,243.4747	24,717.386	412.55725	10.0175	103....	.0463742	.1153497	.0377937	1.4874
49.....	2,064.0383	22,473.911	399.30413	9.8883	104....	.0281495	.0689755	.0230042	1.4503
50.....	1,897.6730	20,409.873	385.83054	9.7552	105....	.0168965	.0408260	.0138363	1.4162
51.....	1,743.4871	18,512.200	372.21298	9.6179	106....	.0100370	.0239295	.0082284	1.3841
52.....	1,600.6826	16,768.713	358.55567	9.4760	107....	.0059050	.0138925	.0048399	1.3527
53.....	1,468.4188	15,168.030	344.86094	9.3295	108....	.0034433	.0079875	.0028156	1.3197
54.....	1,345.9146	13,699.611	331.12850	9.1787	109....	.0019914	.0045442	.0016188	1.2819

**TABLE 2J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,076,505.0	2,135.9092	9.7650	55.....	449.23847	3,943.1843	90.767161	7.7775
1.....	89,642.727	976,505.00	869.54552	9.8933	56.....	403.47332	3,493.9459	85.841874	7.6597
2.....	81,411.080	886,862.27	787.23720	9.8936	57.....	361.98893	3,090.4725	81.036873	7.5375
3.....	73,956.045	805,451.19	733.20984	9.8909	58.....	324.39802	2,728.4836	76.354053	7.4109
4.....	67,193.774	731,495.15	694.21484	9.8864	59.....	290.33918	2,404.0856	71.785939	7.2803
5.....	61,056.539	664,301.37	665.50477	9.8801	60.....	259.48404	2,113.7464	67.325274	7.1460
6.....	55,482.632	603,244.83	642.19228	9.8727	61.....	231.53997	1,854.2624	62.970660	7.0084
7.....	50,419.085	547,762.20	622.52116	9.8642	62.....	206.24739	1,622.7224	58.727163	6.8678
8.....	45,819.031	497,343.12	606.02037	9.8545	63.....	183.37080	1,416.4750	54.600341	6.7246
9.....	41,640.335	451,524.09	592.69120	9.8434	64.....	162.70324	1,233.1042	50.602857	6.5789
10.....	37,845.008	409,883.75	582.84894	9.8306	65.....	144.06041	1,070.4010	46.751228	6.4302
11.....	34,397.328	372,038.74	575.62398	9.8159	66.....	127.27475	926.34056	43.061971	6.2783
12.....	31,263.731	337,641.41	569.05722	9.7998	67.....	112.18228	799.06581	39.539932	6.1229
13.....	28,413.047	306,377.68	560.53074	9.7830	68.....	98.629643	686.88352	36.185682	5.9643
14.....	25,817.645	277,964.64	548.13232	9.7665	69.....	86.468608	588.25388	32.990978	5.8031
15.....	23,453.687	252,146.99	531.23350	9.7508	70.....	75.567275	501.78527	29.950427	5.6402
16.....	21,301.065	228,693.30	510.76483	9.7362	71.....	65.807418	426.21800	27.060322	5.4767
17.....	19,341.755	207,392.24	487.91460	9.7225	72.....	57.090328	360.41058	24.325725	5.3130
18.....	17,559.324	188,050.48	463.82532	9.7094	73.....	49.330714	303.32025	21.756141	5.1487
19.....	15,938.598	170,491.16	439.40190	9.6967	74.....	42.452219	253.98954	19.362256	4.9830
20.....	14,465.437	154,552.56	415.20421	9.6843	75.....	36.379236	211.53732	17.148566	4.8148
21.....	13,126.595	140,087.13	391.40199	9.6720	76.....	31.032480	175.15808	15.109014	4.6443
22.....	11,910.118	126,960.53	368.25145	9.6599	77.....	26.336138	144.12560	13.233806	4.4725
23.....	10,805.400	115,050.41	346.27187	9.6475	78.....	22.225306	117.78947	11.517168	4.2998
24.....	9,802.9538	104,245.01	326.13453	9.6340	79.....	18.640970	95.564161	9.9533150	4.1266
25.....	8,893.6853	94,442.058	308.04362	9.6190	80.....	15.528776	76.923191	8.5357539	3.9536
26.....	8,069.0789	85,548.373	291.95414	9.6020	81.....	12.836792	61.394415	7.2554770	3.7827
27.....	7,321.1487	77,479.294	277.57651	9.5829	82.....	10.519284	48.557623	6.1049504	3.6161
28.....	6,642.7444	70,158.145	264.73122	9.5616	83.....	8.5389810	38.038339	5.0809459	3.4547
29.....	6,027.3243	63,515.401	253.19700	9.5379	84.....	6.8638658	29.499358	4.1821017	3.2978
30.....	5,468.9201	57,488.076	242.73137	9.5118	85.....	5.4622020	22.635492	3.4044257	3.1440
31.....	4,962.2495	52,019.156	233.23534	9.4830	86.....	4.2992992	17.173290	2.7380867	2.9944
32.....	4,502.5197	47,056.907	224.61907	9.4512	87.....	3.3425488	12.873991	2.1721817	2.8515
33.....	4,085.2998	42,554.387	216.71919	9.4165	88.....	2.5660443	9.5314425	1.6995453	2.7144
34.....	3,706.5554	38,469.087	209.36565	9.3787	89.....	1.9451082	6.9653982	1.3118859	2.5810
35.....	3,362.6881	34,762.532	202.45798	9.3377	90.....	1.4552946	5.0202899	.9989003	2.4497
36.....	3,050.3861	31,399.844	195.85488	9.2937	91.....	1.0736370	3.5649953	.7495422	2.3205
37.....	2,766.7280	28,349.458	189.50453	9.2466	92.....	.7796069	2.4913583	.5531155	2.1957
38.....	2,509.0701	25,582.730	183.36743	9.1961	93.....	.5560581	1.7117514	.4004401	2.0784
39.....	2,275.0195	23,073.659	177.41409	9.1422	94.....	.3888363	1.1556933	.2837690	1.9722
40.....	2,062.4086	20,798.640	171.62313	9.0846	95.....	.2663847	.7668570	.1966661	1.8788
41.....	1,869.2359	18,736.231	165.94213	9.0235	96.....	.1788434	.5004723	.1333416	1.7984
42.....	1,693.6637	16,866.995	160.30044	8.9589	97.....	.1179749	.3216289	.0887316	1.7262
43.....	1,534.1052	15,173.332	154.71135	8.8907	98.....	.0765185	.2036541	.0580002	1.6615
44.....	1,389.0904	13,639.227	149.16068	8.8188	99.....	.0488348	.1271356	.0372727	1.6034
45.....	1,257.3162	12,250.136	143.66746	8.7431	100....	.0306918	.0783008	.0235692	1.5512
46.....	1,137.5740	10,992.820	138.22671	8.6634	101....	.0190108	.0476090	.0146784	1.5043
47.....	1,028.7599	9,855.2461	132.82840	8.5797	102....	.0116152	.0285982	.0090111	1.4621
48.....	929.84928	8,826.4862	127.44144	8.4924	103....	.0070061	.0169830	.0054579	1.4240
49.....	839.92440	7,896.6369	122.04831	8.4016	104....	.0041754	.0099769	.0032642	1.3894
50.....	758.18449	7,056.7125	116.66516	8.3074	105....	.0024607	.0058014	.0019290	1.3576
51.....	683.91687	6,298.5280	111.32341	8.2095	106....	.0014351	.0033407	.0011272	1.3278
52.....	616.48267	5,614.6112	106.06347	8.1075	107....	.0008290	.0019056	.0006515	1.2987
53.....	555.26033	4,998.1285	100.88501	8.0014	108....	.0004746	.0010766	.0003724	1.2684
54.....	499.68382	4,442.8682	95.786712	7.8914	109....	.0002695	.0006020	.0002105	1.2339

TABLE 2K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	916,130.42	1,843.1690	8.1613	55.....	166.75673	1,302.3311	27.221260	6.8098
1.....	88,041.964	816,130.42	599.41904	8.2698	56.....	147.09433	1,135.5743	25.425647	6.7200
2.....	78,529.502	728,088.46	520.02406	8.2715	57.....	129.61374	988.48001	23.705169	6.6264
3.....	70,064.442	649,558.96	468.83965	8.2709	58.....	114.07977	858.86627	22.058380	6.5286
4.....	62,521.254	579,494.51	432.55628	8.2688	59.....	100.27917	744.78650	20.480616	6.4271
5.....	55,796.312	516,973.26	406.31968	8.2654	60.....	88.021832	644.50733	18.967475	6.3221
6.....	49,797.212	461,176.95	385.39606	8.2611	61.....	77.140133	556.48550	17.516686	6.2140
7.....	44,444.456	411,379.74	368.05596	8.2560	62.....	67.486597	479.34537	16.128164	6.1028
8.....	39,668.265	366,935.28	353.77024	8.2501	63.....	58.929658	411.85877	14.801932	5.9890
9.....	35,406.760	327,267.02	342.43645	8.2431	64.....	51.354040	352.92911	13.540206	5.8725
10.....	31,604.959	291,860.26	334.21703	8.2346	65.....	44.657840	301.57507	12.346224	5.7530
11.....	28,212.787	260,255.30	328.29110	8.2247	66.....	38.749847	256.91723	11.223000	5.6301
12.....	25,184.699	232,042.51	323.00120	8.2136	67.....	33.544912	218.16739	10.169835	5.5037
13.....	22,479.592	206,857.81	316.25530	8.2020	68.....	28.965732	184.62247	9.1847523	5.3738
14.....	20,061.430	184,378.22	306.62119	8.1907	69.....	24.940788	155.65674	8.2632799	5.2411
15.....	17,899.095	164,316.79	293.72455	8.1802	70.....	21.407213	130.71595	7.4019320	5.1062
16.....	15,965.993	146,417.69	278.38247	8.1706	71.....	18.309475	109.30874	6.5978235	4.9701
17.....	14,238.529	130,451.70	261.56116	8.1619	72.....	15.600490	90.999265	5.8505681	4.8331
18.....	12,695.556	116,213.17	244.14439	8.1538	73.....	13.239384	75.398775	5.1609429	4.6950
19.....	11,317.975	103,517.62	226.80135	8.1463	74.....	11.189880	62.159391	4.5299444	4.5550
20.....	10,088.459	92,199.642	209.92544	8.1391	75.....	9.4178823	50.969512	3.9568627	4.4120
21.....	8,991.2486	82,111.183	193.62177	8.1323	76.....	7.8902514	41.551629	3.4382905	4.2662
22.....	8,012.3264	73,119.935	178.04765	8.1259	77.....	6.5765950	33.661378	2.9700182	4.1184
23.....	7,139.3405	65,107.608	163.52530	8.1196	78.....	5.4509403	27.084783	2.5489987	3.9688
24.....	6,361.3436	57,968.268	150.45776	8.1126	79.....	4.4902120	21.633843	2.1722998	3.8180
25.....	5,668.2412	51,606.924	138.92783	8.1046	80.....	3.6737552	17.143631	1.8369371	3.6665
26.....	5,050.8583	45,938.683	128.85658	8.0952	81.....	2.9826628	13.469876	1.5394613	3.5161
27.....	4,500.8560	40,887.825	120.01757	8.0845	82.....	2.4005376	10.487213	1.2769071	3.3687
28.....	4,010.8654	36,386.969	112.26163	8.0721	83.....	1.9138286	8.0866752	1.0473986	3.2254
29.....	3,574.2899	32,374.103	105.42168	8.0581	84.....	1.5109164	6.1728466	.8495394	3.0855
30.....	3,185.2348	28,801.814	99.326235	8.0423	85.....	1.1809026	4.6619302	.6814095	2.9478
31.....	2,838.5277	25,616.579	93.894272	8.0246	86.....	.9128904	3.4810277	.5399226	2.8132
32.....	2,529.5590	22,778.051	89.053569	8.0048	87.....	.6970652	2.5681373	.4219071	2.6842
33.....	2,254.1759	20,248.492	84.694596	7.9827	88.....	.5255747	1.8710721	.3251022	2.5600
34.....	2,008.6720	17,994.316	80.709535	7.9583	89.....	.3912810	1.3454974	.2471200	2.4387
35.....	1,789.7805	15,985.644	77.032948	7.9316	90.....	.2875216	.9542164	.1852836	2.3188
36.....	1,594.5666	14,195.864	73.581229	7.9026	91.....	.2083300	.6666947	.1368979	2.2002
37.....	1,420.4599	12,601.297	70.320909	7.8713	92.....	.1485746	.4583648	.0994636	2.0851
38.....	1,265.1732	11,180.837	67.226336	7.8374	93.....	.1040792	.3097902	.0708868	1.9765
39.....	1,126.6706	9,915.6639	64.278031	7.8009	94.....	.0714801	.2057110	.0494391	1.8779
40.....	1,003.1392	8,788.9933	61.461354	7.7615	95.....	.0480952	.1342309	.0337128	1.7909
41.....	892.94616	7,785.8541	58.747505	7.7193	96.....	.0317132	.0861357	.0224839	1.7161
42.....	794.62641	6,892.9080	56.100557	7.6744	97.....	.0205462	.0544224	.0147147	1.6488
43.....	706.91243	6,098.2816	53.525116	7.6266	98.....	.0130883	.0338762	.0094582	1.5883
44.....	628.65975	5,391.3691	51.013052	7.5760	99.....	.0082039	.0207879	.0059761	1.5339
45.....	558.86167	4,762.7094	48.571383	7.5222	100....	.0050639	.0125840	.0037151	1.4850
46.....	496.60848	4,203.8477	46.196221	7.4651	101....	.0030806	.0075201	.0022744	1.4411
47.....	441.08587	3,707.2392	43.881670	7.4048	102....	.0018486	.0044394	.0013724	1.4015
48.....	391.55823	3,266.1534	41.613229	7.3414	103....	.0010951	.0025908	.0008170	1.3658
49.....	347.37508	2,874.5951	39.382745	7.2752	104....	.0006410	.0014957	.0004802	1.3333
50.....	307.96972	2,527.2200	37.196143	7.2061	105....	.0003710	.0008547	.0002789	1.3036
51.....	272.84192	2,219.2503	35.065103	7.1338	106....	.0002125	.0004837	.0001602	1.2757
52.....	241.54793	1,946.4084	33.004172	7.0581	107....	.0001206	.0002711	.0000910	1.2487
53.....	213.67502	1,704.8605	31.011401	6.9788	108....	.0000678	.0001506	.0000511	1.2208
54.....	188.85438	1,491.1854	29.084510	6.8960	109....	.0000378	.0000828	.0000284	1.1891

**TABLE 3A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	5,382,389.4	46,708.840	52.8239	55.....	53,085.899	1,235,206.5	40,855.955	22.2681
1.....	97,900.990	5,282,389.4	45,599.929	52.9564	56.....	52,230.743	1,182,120.6	40,526.402	21.6327
2.....	96,848.312	5,184,488.4	45,516.567	52.5320	57.....	51,362.989	1,129,889.9	40,175.784	20.9981
3.....	95,835.720	5,087,640.1	45,462.869	52.0871	58.....	50,481.681	1,078,526.9	39,803.021	20.3647
4.....	94,846.999	4,991,804.4	45,423.017	51.6301	59.....	49,584.007	1,028,045.2	39,405.165	19.7334
5.....	93,876.930	4,896,957.4	45,392.027	51.1636	60.....	48,667.439	978,461.20	38,979.528	19.1050
6.....	92,918.642	4,803,080.5	45,363.214	50.6912	61.....	47,729.266	929,793.76	38,523.211	18.4806
7.....	91,973.816	4,710,161.8	45,338.374	50.2120	62.....	46,767.592	882,064.50	38,034.104	17.8606
8.....	91,041.329	4,618,188.0	45,316.519	49.7263	63.....	45,781.768	835,296.91	37,511.326	17.2452
9.....	90,120.099	4,527,146.7	45,296.688	49.2346	64.....	44,772.756	789,515.14	36,955.598	16.6338
10.....	89,210.867	4,437,026.6	45,279.735	48.7364	65.....	43,742.096	744,742.38	36,368.233	16.0258
11.....	88,311.692	4,347,815.7	45,263.836	48.2326	66.....	42,690.987	701,000.28	35,750.214	15.4203
12.....	87,421.580	4,259,504.0	45,248.097	47.7237	67.....	41,618.217	658,309.30	35,100.127	14.8178
13.....	86,538.709	4,172,082.4	45,230.786	47.2106	68.....	40,520.485	616,691.08	34,414.457	14.2192
14.....	85,659.613	4,085,543.7	45,208.508	46.6951	69.....	39,392.732	576,170.60	33,687.896	13.6263
15.....	84,783.510	3,999,884.1	45,180.521	46.1776	70.....	38,230.451	536,777.86	32,915.643	13.0406
16.....	83,910.492	3,915,100.6	45,146.943	45.6581	71.....	37,030.924	498,547.41	32,094.634	12.4630
17.....	83,040.647	3,831,190.1	45,107.896	45.1363	72.....	35,793.504	461,516.49	31,223.858	11.8939
18.....	82,175.709	3,748,149.5	45,065.142	44.6114	73.....	34,517.696	425,722.99	30,302.441	11.3335
19.....	81,317.339	3,665,973.8	45,020.393	44.0823	74.....	33,204.656	391,205.29	29,331.161	10.7816
20.....	80,466.325	3,584,656.4	44,974.501	43.5485	75.....	31,854.772	358,000.63	28,310.035	10.2385
21.....	79,623.420	3,504,190.1	44,928.293	43.0095	76.....	30,470.824	326,145.86	27,241.481	9.7035
22.....	78,787.768	3,424,566.7	44,880.991	42.4657	77.....	29,051.668	295,675.04	26,124.016	9.1776
23.....	77,959.327	3,345,778.9	44,832.627	41.9170	78.....	27,592.469	266,623.37	24,952.458	8.6629
24.....	77,138.824	3,267,819.6	44,783.999	41.3628	79.....	26,085.811	239,030.90	23,718.992	8.1633
25.....	76,326.193	3,190,680.8	44,735.119	40.8032	80.....	24,527.636	212,945.09	22,419.092	7.6818
26.....	75,521.368	3,114,354.6	44,685.998	40.2381	81.....	22,919.497	188,417.45	21,053.802	7.2208
27.....	74,724.281	3,038,833.2	44,636.647	39.6673	82.....	21,269.974	165,497.96	19,631.204	6.7808
28.....	73,934.867	2,964,108.9	44,587.078	39.0908	83.....	19,590.910	144,227.98	18,162.734	6.3620
29.....	73,151.596	2,890,174.0	44,535.836	38.5094	84.....	17,899.109	124,637.07	16,664.902	5.9633
30.....	72,375.175	2,817,022.4	44,483.688	37.9225	85.....	16,212.162	106,737.96	15,155.174	5.5838
31.....	71,604.846	2,744,647.3	44,429.944	37.3305	86.....	14,541.346	90,525.801	13,644.875	5.2254
32.....	70,839.879	2,673,022.4	44,373.936	36.7336	87.....	12,899.326	75,984.455	12,146.828	4.8906
33.....	70,080.279	2,602,202.5	44,315.721	36.1317	88.....	11,313.092	63,085.129	10,688.310	4.5763
34.....	69,324.661	2,532,122.3	44,253.967	35.5256	89.....	9,809.1227	51,772.037	9,296.3521	4.2779
35.....	68,572.386	2,462,797.6	44,188.075	34.9153	90.....	8,403.6988	41,962.915	7,988.0482	3.9934
36.....	67,822.842	2,394,225.2	44,117.465	34.3012	91.....	7,100.6263	33,559.216	6,768.1806	3.7262
37.....	67,074.776	2,326,402.4	44,040.913	33.6837	92.....	5,903.7841	26,458.590	5,641.6416	3.4816
38.....	66,327.656	2,259,327.6	43,957.900	33.0631	93.....	4,824.7360	20,554.805	4,621.0469	3.2603
39.....	65,580.977	2,192,999.9	43,867.930	32.4396	94.....	3,873.9286	15,730.069	3,718.0091	3.0605
40.....	64,834.913	2,127,419.0	43,771.182	31.8129	95.....	3,055.1105	11,856.141	2,937.5468	2.8808
41.....	64,088.348	2,062,584.1	43,666.548	31.1834	96.....	2,364.7463	8,801.0303	2,277.4312	2.7218
42.....	63,339.593	1,998,495.7	43,552.331	30.5521	97.....	1,797.6520	6,436.2840	1,733.7502	2.5804
43.....	62,587.671	1,935,156.1	43,427.533	29.9191	98.....	1,342.7215	4,638.6319	1,296.6182	2.4546
44.....	61,832.901	1,872,568.4	43,292.443	29.2843	99.....	985.98299	3,295.9104	953.17399	2.3428
45.....	61,074.376	1,810,735.5	43,146.125	28.6480	100....	712.25068	2,309.9275	689.20389	2.2431
46.....	60,311.249	1,749,661.2	42,987.695	28.0105	101....	506.50191	1,597.6768	490.50710	2.1543
47.....	59,543.325	1,689,349.9	42,816.912	27.3718	102....	354.84220	1,091.1749	343.86226	2.0751
48.....	58,768.083	1,629,806.6	42,631.208	26.7329	103....	245.09759	736.33266	237.63094	2.0042
49.....	57,984.315	1,571,038.5	42,429.302	26.0942	104....	167.04735	491.23508	162.00742	1.9407
50.....	57,191.480	1,513,054.2	42,210.569	25.4559	105....	112.42948	324.18772	109.04348	1.8835
51.....	56,389.666	1,455,862.7	41,975.008	24.8179	106....	74.785644	211.75824	72.512804	1.8315
52.....	55,578.995	1,399,473.0	41,722.650	24.1799	107....	49.203030	136.97260	47.670642	1.7838
53.....	54,759.067	1,343,894.1	41,453.010	23.5419	108....	32.043352	87.769566	30.998122	1.7391
54.....	53,928.465	1,289,135.0	41,164.576	22.9045	109....	20.671769	55.726214	19.943801	1.6958



TABLE 3B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,569,277.5	32,473.634	44.6928	55.....	40,459.677	879,467.29	27,462.526	20.7369
1.....	97,418.719	4,469,277.5	31,370.186	44.8770	56.....	39,611.818	839,007.61	27,212.592	20.1807
2.....	95,896.492	4,371,858.8	31,287.644	44.5894	57.....	38,761.822	799,395.79	26,947.993	19.6233
3.....	94,426.394	4,275,962.3	31,234.735	44.2835	58.....	37,909.062	760,633.97	26,668.068	19.0647
4.....	92,991.857	4,181,535.9	31,195.662	43.9667	59.....	37,051.533	722,724.91	26,370.771	18.5059
5.....	91,587.359	4,088,544.0	31,165.428	43.6409	60.....	36,187.484	685,673.38	26,054.282	17.9478
6.....	90,205.879	3,996,956.7	31,137.456	43.3093	61.....	35,315.062	649,485.89	25,716.651	17.3912
7.....	88,848.791	3,906,750.8	31,113.460	42.9708	62.....	34,433.056	614,170.83	25,356.542	16.8367
8.....	87,514.747	3,817,902.0	31,092.452	42.6258	63.....	33,541.189	579,737.77	24,973.537	16.2844
9.....	86,202.456	3,730,387.2	31,073.483	42.2747	64.....	32,640.368	546,196.59	24,568.400	15.7338
10.....	84,912.392	3,644,184.8	31,057.347	41.9170	65.....	31,731.905	513,556.22	24,142.306	15.1842
11.....	83,642.471	3,559,272.4	31,042.288	41.5534	66.....	30,816.838	481,824.31	23,696.184	14.6351
12.....	82,391.542	3,475,629.9	31,027.455	41.1843	67.....	29,894.458	451,007.47	23,229.225	14.0867
13.....	81,157.698	3,393,238.4	31,011.220	40.8104	68.....	28,962.576	421,113.02	22,739.133	13.5399
14.....	79,937.534	3,312,080.7	30,990.431	40.4334	69.....	28,017.796	392,150.44	22,222.372	12.9965
15.....	78,730.202	3,232,143.1	30,964.442	40.0534	70.....	27,057.186	364,132.64	21,675.818	12.4579
16.....	77,535.675	3,153,412.9	30,933.415	39.6705	71.....	26,079.129	337,075.46	21,097.620	11.9251
17.....	76,353.924	3,075,877.3	30,897.512	39.2845	72.....	25,083.497	310,996.33	20,487.394	11.3984
18.....	75,186.424	2,999,523.3	30,858.394	38.8945	73.....	24,070.272	285,912.83	19,844.861	10.8783
19.....	74,034.553	2,924,336.9	30,817.653	38.4996	74.....	23,040.586	261,842.56	19,170.894	10.3644
20.....	72,898.870	2,850,302.4	30,776.077	38.0994	75.....	21,995.020	238,801.97	18,465.829	9.8571
21.....	71,779.890	2,777,403.5	30,734.420	37.6933	76.....	20,935.792	216,806.95	17,731.651	9.3558
22.....	70,676.672	2,705,623.6	30,691.989	37.2817	77.....	19,862.395	195,871.16	16,967.649	8.8614
23.....	69,589.018	2,634,946.9	30,648.817	36.8644	78.....	18,771.822	176,008.77	16,170.609	8.3762
24.....	68,517.415	2,565,357.9	30,605.624	36.4410	79.....	17,659.383	157,236.94	15,335.587	7.9039
25.....	67,461.639	2,496,840.5	30,562.421	36.0113	80.....	16,522.745	139,577.56	14,459.925	7.4476
26.....	66,421.467	2,429,378.9	30,519.219	35.5752	81.....	15,363.386	123,054.82	13,544.744	7.0096
27.....	65,396.679	2,362,957.4	30,476.028	35.1327	82.....	14,187.444	107,691.43	12,595.847	6.5906
28.....	64,387.057	2,297,560.7	30,432.860	34.6836	83.....	13,003.107	93,503.987	11,621.176	6.1909
29.....	63,391.120	2,233,173.7	30,388.455	34.2285	84.....	11,821.681	80,500.880	10,631.915	5.8096
30.....	62,409.338	2,169,782.5	30,343.488	33.7670	85.....	10,654.771	68,679.199	9,639.7094	5.4459
31.....	61,440.917	2,107,373.2	30,297.373	33.2992	86.....	9,509.6191	58,024.428	8,652.0174	5.1017
32.....	60,485.102	2,045,932.3	30,249.552	32.8254	87.....	8,394.2298	48,514.809	7,677.1643	4.7795
33.....	59,541.773	1,985,447.2	30,200.091	32.3454	88.....	7,325.7229	40,120.579	6,732.7101	4.4767
34.....	58,609.636	1,925,905.4	30,147.882	31.8599	89.....	6,320.5471	32,794.856	5,835.7962	4.1886
35.....	57,688.050	1,867,295.8	30,092.448	31.3688	90.....	5,388.2820	26,474.309	4,996.9381	3.9133
36.....	56,776.409	1,809,607.7	30,033.339	30.8725	91.....	4,530.3507	21,086.027	4,218.6366	3.6544
37.....	55,873.580	1,752,831.3	29,969.571	30.3714	92.....	3,748.1845	16,555.676	3,503.4215	3.4170
38.....	54,979.052	1,696,957.7	29,900.761	29.8655	93.....	3,048.0311	12,807.492	2,858.6599	3.2019
39.....	54,092.346	1,641,978.7	29,826.553	29.3551	94.....	2,435.3017	9,759.4607	2,290.9753	3.0075
40.....	53,213.545	1,587,886.3	29,747.146	28.8399	95.....	1,911.1000	7,324.1590	1,802.7633	2.8324
41.....	52,341.682	1,534,672.8	29,661.690	28.3203	96.....	1,471.9613	5,413.0589	1,391.8674	2.6774
42.....	51,475.337	1,482,331.1	29,568.867	27.7969	97.....	1,113.4553	3,941.0977	1,055.1146	2.5395
43.....	50,613.695	1,430,855.8	29,467.945	27.2701	98.....	827.57703	2,827.6423	785.69130	2.4168
44.....	49,757.002	1,380,242.1	29,359.238	26.7397	99.....	604.71013	2,000.0653	575.05460	2.3075
45.....	48,904.515	1,330,485.1	29,242.076	26.2058	100....	434.67636	1,395.3552	413.95744	2.2101
46.....	48,055.552	1,281,580.6	29,115.840	25.6687	101....	307.58813	960.67883	293.29299	2.1233
47.....	47,209.964	1,233,525.0	28,980.432	25.1285	102....	214.42681	653.09069	204.67731	2.0458
48.....	46,365.766	1,186,315.0	28,833.919	24.5860	103....	147.37988	438.66389	140.79924	1.9764
49.....	45,522.046	1,139,949.3	28,675.407	24.0417	104....	99.952596	291.28401	95.549991	1.9142
50.....	44,678.431	1,094,427.2	28,504.531	23.4957	105....	66.940666	191.33142	64.015193	1.8582
51.....	43,835.043	1,049,748.8	28,321.416	22.9477	106....	44.308126	124.39075	42.371924	1.8074
52.....	42,992.028	1,005,913.8	28,126.209	22.3977	107....	29.007635	80.082625	27.726233	1.7607
53.....	42,149.130	962,921.73	27,918.662	21.8456	108....	18.798091	51.074990	17.945373	1.7170
54.....	41,305.317	920,772.60	27,697.742	21.2919	109....	12.067263	32.276899	11.492350	1.6747

TABLE 3C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,932,743.1	22,887.335	38.3274	55.....	30,877.725	628,728.43	18,549.662	19.3619
1.....	96,941.176	3,832,743.1	21,789.296	38.5368	56.....	30,082.472	597,850.71	18,359.854	18.8737
2.....	94,958.634	3,735,801.9	21,707.561	38.3414	57.....	29,292.659	567,768.23	18,159.894	18.3826
3.....	93,044.566	3,640,843.3	21,655.427	38.1301	58.....	28,507.788	538,475.57	17,949.389	17.8887
4.....	91,181.850	3,547,798.7	21,617.115	37.9090	59.....	27,726.340	509,967.79	17,726.917	17.3929
5.....	89,364.471	3,456,616.9	21,587.615	37.6800	60.....	26,947.012	482,241.45	17,491.243	16.8959
6.....	87,585.067	3,367,252.4	21,560.455	37.4455	61.....	26,168.455	455,294.43	17,241.058	16.3986
7.....	85,844.528	3,279,667.4	21,537.271	37.2047	62.....	25,389.815	429,125.98	16,975.525	15.9015
8.....	84,141.103	3,193,822.8	21,517.072	36.9579	63.....	24,610.945	403,736.16	16,694.495	15.4047
9.....	82,473.130	3,109,681.7	21,498.924	36.7054	64.....	23,832.564	379,125.22	16,398.681	14.9079
10.....	80,840.647	3,027,208.6	21,483.561	36.4466	65.....	23,055.669	355,292.66	16,089.091	14.4102
11.....	79,241.270	2,946,368.0	21,469.295	36.1822	66.....	22,281.043	332,236.99	15,766.538	13.9112
12.....	77,673.536	2,867,126.7	21,455.311	35.9125	67.....	21,508.197	309,955.94	15,430.575	13.4111
13.....	76,135.295	2,789,453.1	21,440.081	35.6381	68.....	20,735.589	288,447.75	15,079.696	12.9108
14.....	74,623.040	2,713,317.8	21,420.674	35.3603	69.....	19,960.850	267,712.16	14,711.538	12.4119
15.....	73,135.700	2,638,694.8	21,396.531	35.0794	70.....	19,181.986	247,751.31	14,324.062	11.9158
16.....	71,672.986	2,565,559.1	21,367.851	34.7953	71.....	18,397.969	228,569.32	13,916.163	11.4236
17.....	70,234.607	2,493,886.1	21,334.825	34.5079	72.....	17,608.841	210,171.35	13,487.779	10.9356
18.....	68,821.652	2,423,651.5	21,299.019	34.2164	73.....	16,814.716	192,562.51	13,038.926	10.4520
19.....	67,435.099	2,354,829.9	21,261.909	33.9199	74.....	16,016.512	175,747.80	12,570.422	9.9729
20.....	66,075.157	2,287,394.8	21,224.225	33.6181	75.....	15,214.744	159,731.28	12,082.704	9.4985
21.....	64,741.994	2,221,319.6	21,186.653	33.3103	76.....	14,411.048	144,516.54	11,577.335	9.0282
22.....	63,434.460	2,156,577.6	21,148.569	32.9969	77.....	13,605.159	130,105.49	11,054.017	8.5630
23.....	62,152.088	2,093,143.2	21,110.011	32.6778	78.....	12,795.119	116,500.33	10,510.744	8.1051
24.....	60,895.032	2,030,991.1	21,071.623	32.3523	79.....	11,977.862	103,705.21	9,944.3718	7.6581
25.....	59,662.803	1,970,096.0	21,033.415	32.0205	80.....	11,151.977	91,727.352	9,353.3465	7.2252
26.....	58,454.924	1,910,433.2	20,995.394	31.6822	81.....	10,318.640	80,575.375	8,738.6758	6.8087
27.....	57,270.925	1,851,978.3	20,957.570	31.3371	82.....	9,482.1217	70,256.736	8,104.4841	6.4094
28.....	56,110.347	1,794,707.4	20,919.951	30.9853	83.....	8,647.9739	60,774.614	7,456.2603	6.0276
29.....	54,971.637	1,738,597.0	20,881.444	30.6272	84.....	7,823.7033	52,126.640	6,801.5578	5.6627
30.....	53,854.958	1,683,625.4	20,842.641	30.2622	85.....	7,016.8647	44,302.937	6,148.1251	5.3138
31.....	52,759.379	1,629,770.4	20,803.041	29.8906	86.....	6,232.0078	37,286.072	5,500.8538	4.9830
32.....	51,684.019	1,577,011.1	20,762.179	29.5125	87.....	5,474.0856	31,054.064	4,865.1279	4.6729
33.....	50,628.550	1,525,327.0	20,720.122	29.1278	88.....	4,753.8677	25,579.979	4,252.2449	4.3809
34.....	49,591.657	1,474,698.5	20,675.946	28.7368	89.....	4,081.4751	20,826.111	3,673.0654	4.1026
35.....	48,572.598	1,425,106.8	20,629.272	28.3397	90.....	3,462.4113	16,744.636	3,134.0306	3.8361
36.....	47,570.669	1,376,534.2	20,579.747	27.9366	91.....	2,896.8502	13,282.224	2,636.3599	3.5851
37.....	46,584.743	1,328,963.6	20,526.579	27.5279	92.....	2,384.9597	10,385.374	2,181.2704	3.3545
38.....	45,614.228	1,282,378.8	20,469.490	27.1136	93.....	1,929.9468	8,000.4145	1,773.0214	3.1454
39.....	44,658.565	1,236,764.6	20,408.224	26.6938	94.....	1,534.4213	6,070.4676	1,415.3379	2.9562
40.....	43,717.670	1,192,106.0	20,342.988	26.2683	95.....	1,198.2326	4,536.0464	1,109.2359	2.7856
41.....	42,790.599	1,148,388.4	20,273.125	25.8374	96.....	918.37478	3,337.8138	852.87289	2.6345
42.....	41,876.054	1,105,597.8	20,197.612	25.4017	97.....	691.29311	2,419.4390	643.79857	2.4999
43.....	40,973.256	1,063,721.7	20,115.913	24.9614	98.....	511.28581	1,728.1459	477.34603	2.3800
44.....	40,082.288	1,022,748.5	20,028.343	24.5162	99.....	371.76493	1,216.8601	347.85037	2.2732
45.....	39,202.443	982,666.17	19,934.424	24.0665	100....	265.92127	845.09518	249.29621	2.1780
46.....	38,333.071	943,463.72	19,833.728	23.6123	101....	187.25029	579.17391	175.83937	2.0930
47.....	37,473.959	905,130.65	19,726.245	23.1536	102....	129.89663	391.92363	122.15729	2.0172
48.....	36,623.447	867,656.69	19,610.516	22.6913	103....	88.842924	262.02700	83.650578	1.9493
49.....	35,780.749	831,033.25	19,485.925	22.2257	104....	59.957651	173.18408	56.507323	1.8884
50.....	34,945.514	795,252.50	19,352.273	21.7569	105....	39.958247	113.22643	37.683560	1.8336
51.....	34,117.785	760,306.98	19,209.750	21.2848	106....	26.318774	73.268179	24.827581	1.7839
52.....	33,297.620	726,189.20	19,058.562	20.8090	107....	17.145907	46.949405	16.170769	1.7382
53.....	32,484.767	692,891.58	18,898.603	20.3297	108....	11.056757	29.803498	10.417813	1.6955
54.....	31,678.380	660,406.81	18,729.172	19.8472	109....	7.0629912	18.746741	6.6408464	1.6542

TABLE 3D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	3,023,166.1	11,946.602	29.2317	55	18,055.411	325,103.79	8,586.3515	17.0059
1	96,000.000	2,923,166.1	10,859.223	29.4496	56	17,419.615	307,048.37	8,476.4414	16.6266
2	93,123.728	2,827,166.1	10,779.068	29.3592	57	16,797.583	289,628.76	8,361.7763	16.2423
3	90,360.756	2,734,042.4	10,728.437	29.2570	58	16,188.792	272,831.18	8,242.2363	15.8531
4	87,692.043	2,643,681.6	10,691.591	29.1473	59	15,592.165	256,642.38	8,117.1268	15.4597
5	85,109.811	2,555,989.6	10,663.496	29.0317	60	15,006.777	241,050.22	7,985.8801	15.0628
6	82,605.269	2,470,879.8	10,637.880	28.9119	61	14,431.712	226,043.44	7,847.9052	14.6630
7	80,177.636	2,388,274.5	10,616.226	28.7873	62	13,866.353	211,611.73	7,702.8875	14.2608
8	77,823.683	2,308,096.8	10,597.544	28.6580	63	13,310.487	197,745.38	7,550.8961	13.8564
9	75,540.351	2,230,273.2	10,580.922	28.5243	64	12,764.370	184,434.89	7,392.4625	13.4492
10	73,326.212	2,154,732.8	10,566.987	28.3856	65	12,228.390	171,670.52	7,228.2607	13.0387
11	71,177.683	2,081,406.6	10,554.173	28.2424	66	11,702.807	159,442.13	7,058.8441	12.6243
12	69,092.108	2,010,228.9	10,541.734	28.0949	67	11,187.201	147,739.32	6,884.0973	12.2061
13	67,066.300	1,941,136.8	10,528.318	27.9435	68	10,680.628	136,552.12	6,703.3643	11.7850
14	65,095.984	1,874,070.5	10,511.388	27.7893	69	10,181.749	125,871.49	6,515.5719	11.3625
15	63,179.128	1,808,974.5	10,490.533	27.6325	70	9,689.4664	115,689.75	6,319.8450	10.9397
16	61,314.424	1,745,795.4	10,465.997	27.4728	71	9,203.2057	106,000.28	6,115.8018	10.5178
17	59,500.588	1,684,481.0	10,438.018	27.3103	72	8,722.9413	96,797.074	5,903.5920	10.0968
18	57,737.522	1,624,980.4	10,407.979	27.1443	73	8,248.6843	88,074.133	5,683.4012	9.6774
19	56,025.016	1,567,242.9	10,377.149	26.9740	74	7,780.8317	79,825.448	5,455.8016	9.2592
20	54,362.215	1,511,217.8	10,346.145	26.7990	75	7,319.5719	72,044.616	5,221.1680	8.8427
21	52,748.238	1,456,855.6	10,315.533	26.6190	76	6,865.6164	64,725.045	4,980.4038	8.4274
22	51,181.155	1,404,107.4	10,284.806	26.4341	77	6,418.7514	57,859.428	4,733.5082	8.0141
23	49,659.633	1,352,926.2	10,253.998	26.2440	78	5,977.9763	51,440.677	4,479.6871	7.6050
24	48,182.862	1,303,266.6	10,223.623	26.0483	79	5,541.8162	45,462.700	4,217.6428	7.2036
25	46,749.539	1,255,083.7	10,193.684	25.8470	80	5,109.6084	39,920.884	3,946.8471	6.8129
26	45,358.400	1,208,334.2	10,164.182	25.6397	81	4,681.8895	34,811.276	3,667.9518	6.4353
27	44,008.216	1,162,975.8	10,135.118	25.4263	82	4,260.5649	30,129.386	3,382.9929	6.0717
28	42,697.797	1,118,967.6	10,106.491	25.2067	83	3,848.0347	25,868.821	3,094.5568	5.7226
29	41,425.154	1,076,269.8	10,077.473	24.9811	84	3,447.4655	22,020.787	2,806.0662	5.3875
30	40,189.639	1,034,844.6	10,048.516	24.7490	85	3,061.9183	18,573.321	2,520.9307	5.0659
31	38,989.802	994,655.00	10,019.251	24.5106	86	2,693.0315	15,511.403	2,241.2260	4.7598
32	37,824.272	955,665.20	9,989.3465	24.2659	87	2,342.5452	12,818.372	1,969.1775	4.4720
33	36,692.115	917,840.93	9,958.8668	24.0147	88	2,014.5889	10,475.826	1,709.4506	4.2000
34	35,591.708	881,148.81	9,927.1619	23.7571	89	1,712.8504	8,461.2374	1,466.3895	3.9399
35	34,521.883	845,557.10	9,893.9891	23.4934	90	1,438.9440	6,748.3870	1,242.3720	3.6898
36	33,481.534	811,035.22	9,859.1320	23.2234	91	1,192.2140	5,309.4430	1,037.5530	3.4534
37	32,469.287	777,553.69	9,822.0748	22.9474	92	972.01324	4,117.2290	852.07686	3.2358
38	31,484.175	745,084.40	9,782.6703	22.6654	93	778.93177	3,145.2157	687.30646	3.0379
39	30,525.283	713,600.23	9,740.7933	22.3773	94	613.28399	2,366.2840	544.34601	2.8584
40	29,592.039	683,074.94	9,696.6354	22.0831	95	474.26502	1,753.0000	423.18968	2.6962
41	28,683.305	653,482.90	9,649.8053	21.7827	96	359.96715	1,278.7350	322.70535	2.5524
42	27,797.743	624,799.60	9,599.6791	21.4766	97	268.32930	918.76781	241.55198	2.4240
43	26,934.393	597,001.86	9,545.9728	21.1650	98	196.53167	650.43852	177.56977	2.3096
44	26,092.890	570,067.46	9,488.9660	20.8476	99	141.51425	453.90685	128.27658	2.2075
45	25,272.357	543,974.57	9,428.4204	20.5245	100	100.24155	312.39259	91.125651	2.1164
46	24,471.984	518,702.22	9,364.1353	20.1958	101	69.900478	212.15104	63.704234	2.0350
47	23,691.256	494,230.23	9,296.1840	19.8613	102	48.019592	142.25056	43.859285	1.9623
48	22,928.766	470,538.98	9,223.7302	19.5218	103	32.524183	94.230972	29.762504	1.8973
49	22,183.692	447,610.21	9,146.4847	19.1774	104	21.736574	61.706789	19.922202	1.8388
50	21,455.507	425,426.52	9,064.4266	18.8283	105	14.345506	39.970215	13.164238	1.7863
51	20,743.934	403,971.01	8,977.7713	18.4742	106	9.3570304	25.624709	8.5935922	1.7386
52	20,048.710	383,227.08	8,886.7397	18.1148	107	6.0366473	16.267678	5.5457439	1.6948
53	19,369.390	363,178.36	8,791.3623	17.7501	108	3.8550147	10.231031	3.5399360	1.6540
54	18,705.189	343,808.97	8,691.3185	17.3804	109	2.4386523	6.3760165	2.2358557	1.6146

**TABLE 3E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,423,996.2	6,769.3732	23.2400	55.....	10,612.582	170,604.22	4,050.8762	15.0757
1.....	95,076.923	2,323,996.2	5,692.4501	23.4433	56.....	10,140.424	159,991.64	3,986.8945	14.7776
2.....	91,341.497	2,228,919.2	5,613.8288	23.4020	57.....	9,684.3004	149,851.21	3,920.7868	14.4736
3.....	87,779.179	2,137,577.7	5,564.6449	23.3518	58.....	9,243.5716	140,166.91	3,852.5311	14.1637
4.....	84,367.607	2,049,798.6	5,529.1956	23.2960	59.....	8,817.3007	130,923.34	3,781.7822	13.8485
5.....	81,095.929	1,965,431.0	5,502.4252	23.2359	60.....	8,404.6680	122,106.04	3,708.2764	13.5284
6.....	77,952.682	1,884,335.0	5,478.2523	23.1728	61.....	8,004.8806	113,701.37	3,631.7455	13.2040
7.....	74,934.264	1,806,382.3	5,458.0146	23.1062	62.....	7,617.3366	105,696.49	3,552.0815	12.8758
8.....	72,034.884	1,731,448.1	5,440.7221	23.0362	63.....	7,241.6701	98,079.156	3,469.3894	12.5437
9.....	69,249.074	1,659,413.2	5,425.4839	22.9630	64.....	6,877.7762	90,837.486	3,384.0213	12.2074
10.....	66,572.996	1,590,164.1	5,412.8327	22.8860	65.....	6,525.6208	83,959.710	3,296.3958	11.8662
11.....	64,000.974	1,523,591.1	5,401.3104	22.8057	66.....	6,185.0963	77,434.089	3,206.8567	11.5195
12.....	61,528.321	1,459,590.1	5,390.2333	22.7222	67.....	5,855.7400	71,248.992	3,115.3887	11.1674
13.....	59,150.015	1,398,061.8	5,378.4010	22.6359	68.....	5,536.8273	65,393.252	3,021.6968	10.8106
14.....	56,860.227	1,338,911.8	5,363.6135	22.5474	69.....	5,227.4571	59,856.425	2,925.2815	10.4504
15.....	54,655.253	1,282,051.6	5,345.5713	22.4571	70.....	4,926.8783	54,628.968	2,825.7588	10.0879
16.....	52,532.107	1,227,396.3	5,324.5500	22.3647	71.....	4,634.6292	49,702.090	2,723.0049	9.7241
17.....	50,487.901	1,174,864.2	5,300.8095	22.2702	72.....	4,350.5353	45,067.461	2,617.1660	9.3591
18.....	48,520.814	1,124,376.3	5,275.5656	22.1731	73.....	4,074.4437	40,716.925	2,508.4027	8.9932
19.....	46,628.969	1,075,855.5	5,249.9055	22.0727	74.....	3,806.3923	36,642.482	2,397.0607	8.6266
20.....	44,809.991	1,029,226.5	5,224.3493	21.9687	75.....	3,546.3132	32,836.089	2,283.3813	8.2592
21.....	43,061.540	984,416.55	5,199.3591	21.8607	76.....	3,294.3886	29,289.776	2,167.8533	7.8908
22.....	41,380.483	941,355.01	5,174.5159	21.7488	77.....	3,050.3504	25,995.387	2,050.5224	7.5221
23.....	39,764.257	899,974.53	5,149.8468	21.6328	78.....	2,813.5670	22,945.037	1,931.0601	7.1551
24.....	38,210.775	860,210.27	5,125.7588	21.5122	79.....	2,583.2062	20,131.470	1,808.9134	6.7932
25.....	36,717.615	821,999.50	5,102.2445	21.3871	80.....	2,358.8398	17,548.264	1,683.9012	6.4394
26.....	35,282.451	785,281.88	5,079.2960	21.2570	81.....	2,140.6018	15,189.424	1,556.3877	6.0959
27.....	33,903.043	749,999.43	5,056.9052	21.1219	82.....	1,929.2379	13,048.822	1,427.3547	5.7637
28.....	32,577.238	716,096.39	5,035.0638	20.9815	83.....	1,725.6848	11,119.584	1,298.0030	5.4436
29.....	31,302.340	683,519.15	5,013.1368	20.8360	84.....	1,531.1802	9,393.8997	1,169.8709	5.1351
30.....	30,076.733	652,216.81	4,991.4660	20.6851	85.....	1,346.8644	7,862.7195	1,044.4467	4.8378
31.....	28,898.246	622,140.08	4,969.7760	20.5286	86.....	1,173.2095	6,515.8552	922.59429	4.5539
32.....	27,764.823	593,241.83	4,947.8245	20.3667	87.....	1,010.7087	5,342.6457	805.21693	4.2860
33.....	26,674.787	565,477.01	4,925.6660	20.1989	88.....	860.85171	4,331.9369	694.23334	4.0322
34.....	25,626.006	538,802.22	4,902.8385	20.0256	89.....	724.87853	3,471.0852	591.36984	3.7885
35.....	24,616.736	513,176.21	4,879.1838	19.8466	90.....	603.10591	2,746.2067	497.47716	3.5534
36.....	23,645.322	488,559.48	4,854.5670	19.6620	91.....	494.88899	2,143.1008	412.45663	3.3305
37.....	22,709.967	464,914.16	4,828.6481	19.4718	92.....	399.60383	1,648.2118	336.20565	3.1246
38.....	21,809.211	442,204.19	4,801.3525	19.2760	93.....	317.14711	1,248.6080	269.11832	2.9370
39.....	20,941.666	420,394.98	4,772.6230	19.0746	94.....	247.30156	931.46087	211.47073	2.7665
40.....	20,106.214	399,453.31	4,742.6201	18.8672	95.....	189.40446	684.15931	163.08523	2.6122
41.....	19,301.386	379,347.10	4,711.1074	18.6539	96.....	142.37570	494.75485	123.34125	2.4750
42.....	18,525.619	360,045.71	4,677.7012	18.4350	97.....	105.11023	352.37915	91.551772	2.3525
43.....	17,777.647	341,520.09	4,642.2531	18.2106	98.....	76.245342	247.26892	66.729587	2.2431
44.....	17,056.626	323,742.45	4,604.9885	17.9804	99.....	54.373193	171.02358	47.789951	2.1454
45.....	16,361.405	306,685.82	4,565.7910	17.7445	100....	38.144886	116.65038	33.652921	2.0581
46.....	15,690.902	290,324.41	4,524.5729	17.5027	101....	26.343445	78.505499	23.318591	1.9801
47.....	15,044.256	274,633.51	4,481.4229	17.2550	102....	17.923168	52.162054	15.911524	1.9103
48.....	14,420.064	259,589.26	4,435.8562	17.0019	103....	12.022827	34.238886	10.700535	1.8478
49.....	13,817.333	245,169.19	4,387.7431	16.7436	104....	7.9578397	22.216059	7.0979641	1.7917
50.....	13,235.278	231,351.86	4,337.1238	16.4799	105....	5.2014430	14.258219	4.6476381	1.7412
51.....	12,673.287	218,116.58	4,284.1827	16.2107	106....	3.3600821	9.0567763	3.0063328	1.6954
52.....	12,130.773	205,443.30	4,229.1026	15.9357	107....	2.1468986	5.6966941	1.9223832	1.6535
53.....	11,607.050	193,312.52	4,171.9480	15.6547	108....	1.3578308	3.5497955	1.2158884	1.6143
54.....	11,101.251	181,705.47	4,112.5735	15.3680	109....	.8506941	2.1919647	.7609759	1.5767

TABLE 3F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,011,045.1	4,235.9461	19.1105	55.....	6,269.6498	90,773.280	1,947.1109	13.4782
1.....	94,171.429	1,911,045.1	3,169.2795	19.2933	56.....	5,933.6563	84,503.631	1,909.6722	13.2414
2.....	89,609.944	1,816,873.7	3,092.1486	19.2754	57.....	5,612.7868	78,569.974	1,871.3577	12.9984
3.....	85,295.012	1,727,263.7	3,044.3566	19.2505	58.....	5,306.3286	72,957.187	1,832.1751	12.7491
4.....	81,199.227	1,641,968.7	3,010.2386	19.2215	59.....	5,013.4193	67,650.859	1,791.9481	12.4940
5.....	77,307.077	1,560,769.5	2,984.7189	19.1892	60.....	4,733.2885	62,637.440	1,750.5516	12.2334
6.....	73,602.964	1,483,462.4	2,961.8949	19.1549	61.....	4,465.2041	57,904.151	1,707.8618	11.9679
7.....	70,079.134	1,409,859.4	2,942.9684	19.1181	62.....	4,208.5612	53,438.947	1,663.8477	11.6977
8.....	66,726.014	1,339,780.3	2,926.9503	19.0788	63.....	3,962.9014	49,230.386	1,618.5956	11.4228
9.....	63,534.604	1,273,054.3	2,912.9696	19.0372	64.....	3,727.9202	45,267.484	1,572.3240	11.1428
10.....	60,497.650	1,209,519.7	2,901.4729	18.9928	65.....	3,503.3574	41,539.564	1,525.2812	10.8571
11.....	57,606.439	1,149,022.0	2,891.1018	18.9461	66.....	3,288.9186	38,036.207	1,477.6689	10.5650
12.....	54,853.400	1,091,415.6	2,881.2265	18.8970	67.....	3,084.1286	34,747.288	1,429.4941	10.2665
13.....	52,230.885	1,036,562.2	2,870.7782	18.8458	68.....	2,888.3892	31,663.160	1,380.6180	9.9622
14.....	49,730.766	984,331.32	2,857.8448	18.7932	69.....	2,701.0290	28,774.770	1,330.8002	9.6533
15.....	47,347.005	934,600.55	2,842.2152	18.7394	70.....	2,521.4749	26,073.741	1,279.8665	9.3407
16.....	45,074.349	887,253.55	2,824.1782	18.6842	71.....	2,349.3182	23,552.266	1,227.7800	9.0251
17.....	42,907.775	842,179.20	2,804.0021	18.6277	72.....	2,184.3066	21,202.948	1,174.6407	8.7069
18.....	40,843.298	799,271.42	2,782.7525	18.5692	73.....	2,026.2044	19,018.641	1,120.5531	8.3863
19.....	38,876.985	758,428.12	2,761.3584	18.5084	74.....	1,874.8759	16,992.437	1,065.7105	8.0632
20.....	37,004.595	719,551.14	2,740.2537	18.4449	75.....	1,730.1355	15,117.561	1,010.2499	7.7378
21.....	35,222.031	682,546.54	2,719.8131	18.3784	76.....	1,591.9223	13,387.426	954.42415	7.4096
22.....	33,524.665	647,324.51	2,699.6862	18.3089	77.....	1,459.9596	11,795.503	898.26720	7.0793
23.....	31,908.457	613,999.85	2,679.8907	18.2363	78.....	1,333.8052	10,335.544	841.63467	6.7489
24.....	30,369.861	581,891.39	2,660.7456	18.1602	79.....	1,212.9370	9,001.7387	784.28105	6.4214
25.....	28,905.166	551,521.53	2,642.2345	18.0804	80.....	1,097.0380	7,788.8017	726.14093	6.0998
26.....	27,510.836	522,616.36	2,624.3408	17.9967	81.....	986.05953	6,691.7637	667.40239	5.7864
27.....	26,183.504	495,105.53	2,607.0483	17.9091	82.....	880.23187	5,705.7042	608.52994	5.4820
28.....	24,919.963	468,922.02	2,590.3407	17.8171	83.....	779.86028	4,825.4723	550.07416	5.1876
29.....	23,716.684	444,002.06	2,573.7274	17.7211	84.....	685.37093	4,045.6120	492.72100	4.9028
30.....	22,571.056	420,285.38	2,557.4645	17.6205	85.....	597.12779	3,360.2411	437.11458	4.6273
31.....	21,480.121	397,714.32	2,541.3424	17.5155	86.....	515.18480	2,763.1133	383.60624	4.3633
32.....	20,441.097	376,234.20	2,525.1811	17.4058	87.....	439.59983	2,247.9285	332.55388	4.1136
33.....	19,451.553	355,793.10	2,509.0229	17.2912	88.....	370.85479	1,808.3287	284.74216	3.8761
34.....	18,508.801	336,341.55	2,492.5354	17.1720	89.....	309.30349	1,437.4739	240.85062	3.6475
35.....	17,610.508	317,832.75	2,475.6131	17.0479	90.....	254.89259	1,128.1704	201.16845	3.4261
36.....	16,754.469	300,222.24	2,458.1703	16.9189	91.....	207.16456	873.27782	165.57817	3.2154
37.....	15,938.447	283,467.77	2,439.9797	16.7852	92.....	165.68429	666.11326	133.96288	3.0204
38.....	15,160.499	267,529.32	2,421.0054	16.6465	93.....	130.24363	500.42897	106.41195	2.8423
39.....	14,418.789	252,368.83	2,401.2246	16.5028	94.....	100.59274	370.18534	82.963134	2.6800
40.....	13,711.719	237,950.04	2,380.7636	16.3538	95.....	76.308695	269.59260	63.469219	2.5329
41.....	13,037.495	224,238.32	2,359.4778	16.1995	96.....	56.815094	193.28390	47.609365	2.4020
42.....	12,394.312	211,200.82	2,337.1278	16.0401	97.....	41.544820	136.46881	35.044572	2.2849
43.....	11,780.616	198,806.51	2,313.6376	15.8757	98.....	29.848964	94.923987	25.327041	2.1801
44.....	11,195.176	187,025.89	2,289.1788	15.7059	99.....	21.083602	65.075023	17.983059	2.0865
45.....	10,636.590	175,830.72	2,263.6965	15.5307	100....	14.650092	43.991421	12.553529	2.0028
46.....	10,103.544	165,194.13	2,237.1557	15.3501	101....	10.021221	29.341329	8.6222818	1.9279
47.....	9,594.9032	155,090.58	2,209.6355	15.1639	102....	6.7531576	19.320108	5.8314195	1.8609
48.....	9,109.2183	145,495.68	2,180.8508	14.9724	103....	4.4868622	12.566951	3.8867030	1.8008
49.....	8,645.3422	136,386.46	2,150.7470	14.7757	104....	2.9415441	8.0800885	2.5550451	1.7469
50.....	8,202.2890	127,741.12	2,119.3768	14.5738	105....	1.9043557	5.1385444	1.6579301	1.6983
51.....	7,779.2071	119,538.83	2,086.8801	14.3665	106....	1.2184793	3.2341887	1.0627374	1.6543
52.....	7,375.2811	111,759.62	2,053.3924	14.1533	107....	.7711233	2.0157094	.6734042	1.6140
53.....	6,989.6592	104,384.34	2,018.9745	13.9341	108....	.4830610	1.2445861	.4220621	1.5765
54.....	6,621.4040	97,394.684	1,983.5602	13.7091	109....	.2997601	.7615251	.2617640	1.5404

TABLE 3G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES

FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,714,585.3	2,948.0020	16.1459	55.....	3,722.4780	48,926.156	953.07241	12.1434
1.....	93,283.019	1,614,585.3	1,891.3983	16.3085	56.....	3,489.7529	45,203.678	931.05360	11.9533
2.....	87,927.166	1,521,302.3	1,815.7158	16.3018	57.....	3,269.8985	41,713.925	908.73235	11.7569
3.....	82,903.704	1,433,375.1	1,769.2637	16.2896	58.....	3,062.1982	38,444.027	886.12069	11.5544
4.....	78,178.193	1,350,471.4	1,736.4151	16.2743	59.....	2,865.8709	35,381.829	863.12532	11.3459
5.....	73,728.674	1,272,293.2	1,712.0766	16.2564	60.....	2,680.2111	32,515.958	839.68465	11.1319
6.....	69,533.790	1,198,564.5	1,690.5144	16.2372	61.....	2,504.5562	29,835.747	815.73975	10.9126
7.....	65,580.204	1,129,030.7	1,672.8030	16.2160	62.....	2,338.3340	27,331.191	791.28488	10.6883
8.....	61,853.269	1,063,450.5	1,657.9547	16.1931	63.....	2,181.0700	24,992.857	766.37942	10.4590
9.....	58,339.303	1,001,597.3	1,645.1172	16.1685	64.....	2,032.3868	22,811.787	741.15308	10.2241
10.....	55,026.621	943,257.97	1,634.6601	16.1418	65.....	1,891.9412	20,779.400	715.74825	9.9831
11.....	51,902.563	888,231.35	1,625.3160	16.1134	66.....	1,759.3804	18,887.458	690.27844	9.7353
12.....	48,955.868	836,328.78	1,616.5024	16.0833	67.....	1,634.2652	17,128.078	664.75082	9.4806
13.....	46,175.544	787,372.91	1,607.2654	16.0517	68.....	1,516.1048	15,493.813	639.09594	9.2195
14.....	43,550.508	741,197.37	1,595.9393	16.0193	69.....	1,404.3850	13,977.708	613.19343	8.9529
15.....	41,071.827	697,646.86	1,582.3812	15.9860	70.....	1,298.6587	12,573.323	586.96058	8.6818
16.....	38,731.508	656,575.04	1,566.8823	15.9520	71.....	1,198.5762	11,274.664	560.38708	8.4067
17.....	36,521.985	617,843.53	1,549.7089	15.9170	72.....	1,103.8774	10,076.088	533.53219	8.1279
18.....	34,436.786	581,321.54	1,531.7925	15.8808	73.....	1,014.3175	8,972.2108	506.45596	7.8456
19.....	32,469.666	546,884.76	1,513.9244	15.8429	74.....	929.70812	7,957.8933	479.26076	7.5596
20.....	30,614.300	514,415.09	1,496.4643	15.8031	75.....	849.84093	7,028.1852	452.01856	7.2700
21.....	28,864.664	483,800.79	1,479.7130	15.7610	76.....	774.57388	6,178.3443	424.85572	6.9764
22.....	27,214.477	454,936.13	1,463.3745	15.7167	77.....	703.66384	5,403.7704	397.78948	6.6795
23.....	25,658.117	427,721.65	1,447.4566	15.6700	78.....	636.79586	4,700.1065	370.75153	6.3809
24.....	24,190.521	402,063.53	1,432.2070	15.6207	79.....	573.62691	4,063.3107	343.62763	6.0835
25.....	22,806.640	377,873.01	1,417.6014	15.5686	80.....	513.92101	3,489.6838	316.39118	5.7903
26.....	21,501.713	355,066.37	1,403.6162	15.5134	81.....	457.57393	2,975.7628	289.13397	5.5033
27.....	20,271.247	333,564.66	1,390.2283	15.4551	82.....	404.61191	2,518.1888	262.07236	5.2237
28.....	19,111.005	313,293.41	1,377.4154	15.3934	83.....	355.09275	2,113.5769	235.45576	4.9522
29.....	18,016.630	294,182.41	1,364.7949	15.3284	84.....	309.12499	1,758.4842	209.58759	4.6886
30.....	16,984.583	276,165.78	1,352.5572	15.2598	85.....	266.78362	1,449.3592	184.74386	4.4327
31.....	16,011.174	259,181.19	1,340.5398	15.1875	86.....	228.00184	1,182.5756	161.06304	4.1867
32.....	15,092.948	243,170.02	1,328.6070	15.1115	87.....	192.71533	954.57373	138.68229	3.9533
33.....	14,226.812	228,077.07	1,316.7889	15.0315	88.....	161.04456	761.85840	117.91994	3.7307
34.....	13,409.576	213,850.26	1,304.8437	14.9476	89.....	133.04864	600.81384	99.039744	3.5157
35.....	12,638.399	200,440.68	1,292.6992	14.8597	90.....	108.60911	467.76521	82.131271	3.3069
36.....	11,910.618	187,802.28	1,280.2993	14.7676	91.....	87.439553	359.15610	67.109402	3.1075
37.....	11,223.622	175,891.67	1,267.4897	14.6716	92.....	69.271924	271.71655	53.891181	2.9225
38.....	10,575.088	164,668.04	1,254.2543	14.5713	93.....	53.940609	202.44462	42.480919	2.7531
39.....	9,962.8299	154,092.96	1,240.5865	14.4668	94.....	41.267619	148.50401	32.861171	2.5986
40.....	9,384.8918	144,130.13	1,226.5822	14.3577	95.....	31.009891	107.23639	24.939345	2.4581
41.....	8,839.2400	134,745.24	1,212.1507	14.2440	96.....	22.870380	76.226503	18.555111	2.3330
42.....	8,323.8957	125,905.99	1,197.1407	14.1258	97.....	16.565706	53.356123	13.544987	2.2209
43.....	7,837.1048	117,582.10	1,181.5137	14.0033	98.....	11.789782	36.790417	9.7067446	2.1205
44.....	7,377.3773	109,744.99	1,165.3959	13.8759	99.....	8.2490657	25.000635	6.8333745	2.0307
45.....	6,943.1560	102,367.62	1,148.7620	13.7437	100....	5.6778475	16.751569	4.7290845	1.9503
46.....	6,532.9858	95,424.461	1,131.6006	13.6066	101....	3.8472238	11.073722	3.2198484	1.8784
47.....	6,145.5674	88,891.475	1,113.9739	13.4643	102....	2.5681308	7.2264981	2.1585228	1.8139
48.....	5,779.4423	82,745.908	1,095.7111	13.3173	103....	1.6901934	4.6583673	1.4259513	1.7561
49.....	5,433.3846	76,966.466	1,076.7916	13.1655	104....	1.0976212	2.9681739	.9290504	1.7042
50.....	5,106.3051	71,533.081	1,057.2622	13.0088	105....	.7038962	1.8705527	.5974549	1.6574
51.....	4,797.2291	66,426.776	1,037.2224	12.8469	106....	.4461307	1.1666565	.3795326	1.6151
52.....	4,505.2317	61,629.547	1,016.7662	12.6796	107....	.2796735	.7205258	.2383281	1.5763
53.....	4,229.3925	57,124.315	.995.94018	12.5065	108....	.1735453	.4408523	.1480305	1.5403
54.....	3,968.7662	52,894.923	.974.71341	12.3278	109....	.1066763	.2673070	.0909848	1.5058

TABLE 3H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,493,965.8	2,263.9209	13.9397	55.....	2,220.9918	26,691.842	474.79637	11.0180
1.....	92,411.215	1,393,965.8	1,217.1919	14.0844	56.....	2,062.6787	24,470.850	461.78177	10.8636
2.....	86,291.347	1,301,554.6	1,142.9175	14.0833	57.....	1,914.6671	22,408.172	448.71172	10.7034
3.....	80,600.957	1,215,263.2	1,097.7556	14.0775	58.....	1,776.2921	20,493.505	435.59535	10.5372
4.....	75,296.359	1,134,662.3	1,066.1179	14.0693	59.....	1,646.8718	18,717.212	422.38107	10.3653
5.....	70,347.207	1,059,365.9	1,042.8956	14.0591	60.....	1,525.7882	17,070.341	409.03679	10.1879
6.....	65,724.672	989,018.69	1,022.5147	14.0479	61.....	1,412.4664	15,544.552	395.53285	10.0053
7.....	61,408.343	923,294.02	1,005.9299	14.0353	62.....	1,306.3994	14,132.086	381.87021	9.8176
8.....	57,377.201	861,885.68	992.15611	14.0214	63.....	1,207.1497	12,825.687	368.08586	9.6248
9.....	53,611.755	804,508.48	980.35893	14.0062	64.....	1,114.3458	11,618.537	354.25441	9.4263
10.....	50,094.924	750,896.72	970.83908	13.9895	65.....	1,027.6455	10,504.191	340.45527	9.2216
11.....	46,809.259	700,801.80	962.41190	13.9714	66.....	946.71124	9,476.5457	326.75013	9.0100
12.....	43,739.096	653,992.54	954.53744	13.9521	67.....	871.16899	8,529.8345	313.14226	8.7913
13.....	40,869.485	610,253.44	946.36191	13.9318	68.....	800.62873	7,658.6655	299.59436	8.5658
14.....	38,185.849	569,383.96	936.43101	13.9109	69.....	734.70032	6,858.0367	286.04353	8.3345
15.....	35,675.932	531,198.11	924.65406	13.8895	70.....	673.04043	6,123.3364	272.44814	8.0980
16.....	33,328.656	495,522.18	911.31727	13.8678	71.....	615.36652	5,450.2960	258.80492	7.8570
17.....	31,133.637	462,193.52	896.67758	13.8455	72.....	561.45006	4,834.9295	245.14608	7.6115
18.....	29,081.727	431,059.88	881.54721	13.8224	73.....	511.07697	4,273.4794	231.50337	7.3617
19.....	27,164.235	401,978.16	866.59866	13.7981	74.....	464.06744	3,762.4024	217.92878	7.1074
20.....	25,372.665	374,813.92	852.12799	13.7724	75.....	420.23693	3,298.3350	204.45782	6.8488
21.....	23,699.018	349,441.26	838.37459	13.7450	76.....	379.43860	2,878.0981	191.15162	6.5851
22.....	22,135.326	325,742.24	825.08542	13.7159	77.....	341.48055	2,498.6595	178.01667	6.3171
23.....	20,674.394	303,606.91	812.25934	13.6852	78.....	306.14210	2,157.1789	165.01806	6.0463
24.....	19,309.691	282,932.52	800.08657	13.6524	79.....	273.19606	1,851.0368	152.10001	5.7755
25.....	18,034.890	263,622.83	788.53684	13.6174	80.....	242.47299	1,577.8408	139.24958	5.5073
26.....	16,844.082	245,587.94	777.58107	13.5801	81.....	213.87025	1,335.3678	126.50955	5.2438
27.....	15,731.743	228,743.86	767.19126	13.5403	82.....	187.34834	1,121.4975	113.97916	4.9862
28.....	14,692.713	213,012.11	757.34055	13.4978	83.....	162.88274	934.14918	101.77000	4.7351
29.....	13,721.895	198,319.40	747.72849	13.4528	84.....	140.47191	771.26643	90.015040	4.4905
30.....	12,814.968	184,597.51	738.49507	13.4048	85.....	120.09823	630.79453	78.831113	4.2523
31.....	11,967.623	171,782.54	729.51261	13.3539	86.....	101.68055	510.69630	68.270326	4.0226
32.....	11,175.858	159,814.92	720.67670	13.3000	87.....	85.140829	409.01575	58.382605	3.8040
33.....	10,436.058	148,639.06	712.00758	13.2428	88.....	70.483875	323.87492	49.295612	3.5950
34.....	9,744.6450	138,203.00	703.32712	13.1825	89.....	57.686770	253.39105	41.109602	3.3925
35.....	9,098.4020	128,458.35	694.58426	13.1188	90.....	46.650266	195.70428	33.846999	3.1951
36.....	8,494.3361	119,359.95	685.74095	13.0517	91.....	37.206421	149.05401	27.455041	3.0061
37.....	7,929.5819	110,865.62	676.69091	12.9813	92.....	29.200434	111.84759	21.883118	2.8303
38.....	7,401.5606	102,936.03	667.42738	12.9073	93.....	22.525269	82.647156	17.118263	2.6691
39.....	6,907.8696	95,534.473	657.95062	12.8298	94.....	17.072049	60.121886	13.138658	2.5217
40.....	6,446.3336	88,626.604	648.33125	12.7484	95.....	12.708625	43.049837	9.8920968	2.3875
41.....	6,014.7907	82,180.270	638.51113	12.6630	96.....	9.2852538	30.341213	7.3001312	2.2677
42.....	5,611.1814	76,165.480	628.39279	12.5739	97.....	6.6627337	21.055959	5.2850575	2.1603
43.....	5,233.6590	70,554.298	617.95705	12.4809	98.....	4.6975386	14.393225	3.7557422	2.0640
44.....	4,880.6071	65,320.639	607.29408	12.3837	99.....	3.2560528	9.6956866	2.6215720	1.9777
45.....	4,550.4135	60,440.032	596.39253	12.2823	100....	2.2202020	6.4396338	1.7987340	1.9005
46.....	4,241.5808	55,889.619	585.25040	12.1766	101....	1.4903158	4.2194318	1.2140947	1.8312
47.....	3,952.7569	51,648.038	573.91309	12.0663	102....	.9855305	2.7291161	.8068067	1.7692
48.....	3,682.5287	47,695.281	562.27647	11.9518	103....	.6425567	1.7435856	.5283068	1.7135
49.....	3,429.6732	44,012.752	550.33406	11.8329	104....	.4133801	1.1010289	.3411667	1.6635
50.....	3,193.0898	40,583.079	538.12186	11.7097	105....	.2626200	.6876488	.2174501	1.6184
51.....	2,971.7819	37,389.989	525.70761	11.5817	106....	.1648935	.4250288	.1369043	1.5776
52.....	2,764.8125	34,418.207	513.15391	11.4487	107....	.1024035	.2601353	.0852018	1.5403
53.....	2,571.2756	31,653.395	500.49262	11.3104	108....	.0629504	.1577319	.0524480	1.5057
54.....	2,390.2771	29,082.119	487.70833	11.1668	109....	.0383332	.0947815	.0319491	1.4726

**TABLE 3I.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,324,594.2	1,881.9131	12.2459	55.....	1,331.5215	14,727.753	240.57675	10.0608
1.....	91,555.556	1,224,594.2	844.87605	12.3754	56.....	1,225.1601	13,396.232	232.84653	9.9343
2.....	84,700.757	1,133,038.6	771.97070	12.3770	57.....	1,126.7162	12,171.072	225.15525	9.8023
3.....	78,382.708	1,048,337.9	728.05179	12.3746	58.....	1,035.6087	11,044.356	217.50818	9.6646
4.....	72,546.099	969,955.15	697.56962	12.3702	59.....	951.26408	10,008.747	209.87536	9.5215
5.....	67,150.147	897,409.05	675.40276	12.3642	60.....	873.16354	9,057.4828	202.23883	9.3732
6.....	62,156.788	830,258.90	656.12818	12.3575	61.....	800.82841	8,184.3193	194.58248	9.2198
7.....	57,537.042	768,102.12	640.58898	12.3497	62.....	733.83318	7,383.4909	186.90787	9.0615
8.....	53,262.253	710,565.07	627.80297	12.3409	63.....	671.80389	6,649.6577	179.23660	8.8982
9.....	49,306.051	657,302.82	616.95326	12.3311	64.....	614.41442	5,977.8538	171.61038	8.7294
10.....	45,645.077	607,996.77	608.27904	12.3201	65.....	561.36429	5,363.4394	164.07242	8.5543
11.....	42,256.353	562,351.69	600.67153	12.3081	66.....	512.36446	4,802.0751	156.65514	8.3724
12.....	39,119.210	520,095.34	593.62881	12.2951	67.....	467.11509	4,289.7106	149.35869	8.1834
13.....	36,214.246	480,976.13	586.38451	12.2814	68.....	425.31694	3,822.5955	142.16166	7.9876
14.....	33,522.991	444,761.89	577.66626	12.2674	69.....	386.68005	3,397.2786	135.02972	7.7858
15.....	31,029.563	411,238.89	567.42313	12.2531	70.....	350.94795	3,010.5985	127.94059	7.5785
16.....	28,719.585	380,209.33	555.93070	12.2387	71.....	317.90360	2,659.6506	120.89238	7.3662
17.....	26,579.710	351,489.75	543.43236	12.2240	72.....	287.36425	2,341.7470	113.90145	7.1491
18.....	24,598.045	324,910.04	530.63472	12.2088	73.....	259.15998	2,054.3827	106.98342	6.9271
19.....	22,763.441	300,311.99	518.10794	12.1927	74.....	233.14320	1,795.2228	100.16367	6.7001
20.....	21,065.246	277,548.55	506.09390	12.1757	75.....	209.16830	1,562.0796	93.458645	6.4681
21.....	19,493.544	256,483.30	494.78108	12.1573	76.....	187.11267	1,352.9113	86.896958	6.2305
22.....	18,038.748	236,989.76	483.95134	12.1378	77.....	166.83520	1,165.7986	80.479687	5.9877
23.....	16,692.189	218,951.01	473.59576	12.1170	78.....	148.18519	998.96340	74.187837	5.7413
24.....	15,445.994	202,258.82	463.85865	12.0946	79.....	131.01354	850.77822	67.992873	5.4938
25.....	14,292.693	186,812.83	454.70547	12.0705	80.....	115.20336	719.76467	61.887399	5.2478
26.....	13,225.373	172,520.14	446.10338	12.0446	81.....	100.67280	604.56131	55.890424	5.0052
27.....	12,237.633	159,294.76	438.02121	12.0168	82.....	87.371876	503.88851	50.046741	4.7672
28.....	11,323.550	147,057.13	430.42934	11.9868	83.....	75.258736	416.51663	44.405592	4.5345
29.....	10,477.429	135,733.58	423.09001	11.9549	84.....	64.303015	341.25790	39.024592	4.3070
30.....	9,694.3385	125,256.15	416.10505	11.9205	85.....	54.467631	276.95488	33.952394	4.0848
31.....	8,969.5071	115,561.81	409.37287	11.8839	86.....	45.687752	222.48725	29.207154	3.8697
32.....	8,298.5382	106,592.30	402.81185	11.8447	87.....	37.901797	176.79950	24.805477	3.6647
33.....	7,677.4541	98,293.766	396.43427	11.8029	88.....	31.086493	138.89770	20.797713	3.4681
34.....	7,102.4270	90,616.312	390.10747	11.7585	89.....	25.206828	107.81121	17.220752	3.2771
35.....	6,570.0080	83,513.885	383.79421	11.7114	90.....	20.195570	82.604381	14.076667	3.0902
36.....	6,077.0141	76,943.877	377.46753	11.6615	91.....	15.958054	62.408810	11.335118	2.9108
37.....	5,620.4503	70,866.863	371.05291	11.6088	92.....	12.408273	46.450757	8.9674158	2.7435
38.....	5,197.6155	65,246.413	364.54776	11.5531	93.....	9.4831377	34.042483	6.9614116	2.5898
39.....	4,806.0136	60,048.798	357.95448	11.4945	94.....	7.1207827	24.559346	5.3015113	2.4490
40.....	4,443.3821	55,242.784	351.32397	11.4326	95.....	5.2517091	17.438563	3.9599031	2.3205
41.....	4,107.5365	50,799.402	344.61775	11.3674	96.....	3.8015080	12.186854	2.8987175	2.2058
42.....	3,796.4286	46,691.865	337.77186	11.2989	97.....	2.7025554	8.3853457	2.0813580	2.1027
43.....	3,508.2164	42,895.437	330.77658	11.2271	98.....	1.8877850	5.6827903	1.4667769	2.0103
44.....	3,241.2671	39,387.220	323.69518	11.1518	99.....	1.2963839	3.7950052	1.0152118	1.9274
45.....	2,994.0005	36,145.953	316.52238	11.0728	100....	.8757794	2.4986213	.6906356	1.8530
46.....	2,764.9594	33,151.953	309.25916	10.9900	101....	.5824257	1.6228420	.4621545	1.7864
47.....	2,552.8256	30,386.993	301.93713	10.9033	102....	.3815859	1.0404163	.3044574	1.7266
48.....	2,356.2817	27,834.168	294.49139	10.8128	103....	.2464868	.6588304	.1976239	1.6729
49.....	2,174.1716	25,477.886	286.92075	10.7184	104....	.1571057	.4123435	.1265011	1.6246
50.....	2,005.4519	23,303.715	279.25075	10.6202	105....	.0988849	.2552379	.0799178	1.5812
51.....	1,849.1752	21,298.263	271.52605	10.5177	106....	.0615128	.1563529	.0498705	1.5418
52.....	1,704.4601	19,449.087	263.78691	10.4107	107....	.0378475	.0948401	.0307616	1.5058
53.....	1,570.4706	17,744.627	256.05371	10.2989	108....	.0230505	.0569926	.0187682	1.4725
54.....	1,446.4034	16,174.157	248.31769	10.1823	109....	.0139065	.0339421	.0113316	1.4407



TABLE 3J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	1,083,339.9	1,514.5556	9.8334	55	485.35225	4,626.0612	64.801233	8.5313
1	89,890.909	983,339.89	496.37379	9.9393	56	438.46281	4,140.7089	62.034725	8.4437
2	81,648.730	893,448.98	426.09545	9.9426	57	395.90003	3,702.2461	59.332199	8.3515
3	74,184.551	811,800.25	384.52882	9.9430	58	357.27099	3,306.3461	56.694066	8.2544
4	67,412.176	737,615.70	356.20381	9.9419	59	322.20646	2,949.0751	54.108723	8.1527
5	61,263.573	670,203.52	335.98016	9.9397	60	290.37539	2,626.8686	51.569150	8.0465
6	55,676.892	608,939.95	318.71497	9.9370	61	261.47776	2,336.4932	49.069282	7.9357
7	50,601.690	553,263.06	305.04882	9.9337	62	235.24679	2,075.0155	46.609014	7.8206
8	45,990.496	502,661.37	294.00845	9.9297	63	211.44623	1,839.7687	44.194526	7.7009
9	41,800.344	456,670.87	284.81035	9.9251	64	189.86718	1,628.3224	41.837862	7.5761
10	37,993.093	414,870.53	277.59029	9.9196	65	170.31949	1,438.4553	39.550826	7.4456
11	34,532.958	376,877.43	271.37324	9.9136	66	152.62639	1,268.1358	37.341317	7.3088
12	31,387.947	342,344.48	265.72239	9.9069	67	136.61727	1,115.5094	35.207323	7.1652
13	28,528.791	310,956.53	260.01549	9.8997	68	122.13087	978.89210	33.140676	7.0151
14	25,928.521	282,427.74	253.27233	9.8926	69	109.01735	856.76122	31.129958	6.8589
15	23,563.604	256,499.22	245.49377	9.8854	70	97.144368	747.74387	29.167645	6.6972
16	21,412.890	232,935.61	236.92519	9.8783	71	86.397552	650.59951	27.252135	6.5303
17	19,457.114	211,522.72	227.77604	9.8712	72	76.677827	564.20196	25.386733	6.3581
18	17,679.088	192,065.61	218.57813	9.8640	73	67.894731	487.52413	23.574348	6.1806
19	16,063.059	174,386.52	209.73859	9.8564	74	59.968329	419.62940	21.820195	5.9975
20	14,594.457	158,323.46	201.41501	9.8482	75	52.823375	359.66107	20.126908	5.8087
21	13,259.993	143,729.00	193.71975	9.8393	76	46.394290	306.83769	18.499948	5.6137
22	12,047.306	130,469.01	186.48702	9.8297	77	40.614405	260.44340	16.937726	5.4126
23	10,945.306	118,421.70	179.69672	9.8194	78	35.418346	219.82900	15.433885	5.2066
24	9,944.0097	107,476.40	173.42805	9.8082	79	30.744734	184.41065	13.980123	4.9981
25	9,034.2233	97,532.389	167.64244	9.7959	80	26.543047	153.66592	12.573412	4.7893
26	8,207.5918	88,498.166	162.30404	9.7825	81	22.773452	127.12287	11.216821	4.5821
27	7,456.5226	80,290.574	157.37948	9.7678	82	19.405258	104.34942	9.9189408	4.3774
28	6,774.1152	72,834.051	152.83778	9.7518	83	16.411027	84.944159	8.6888238	4.1760
29	6,153.9757	66,059.936	148.52698	9.7345	84	13.767061	68.533132	7.5367697	3.9781
30	5,590.4953	59,905.960	144.49892	9.7157	85	11.449314	54.766071	6.4705734	3.7833
31	5,078.4568	54,315.465	140.68722	9.6953	86	9.4291346	43.316757	5.4912407	3.5939
32	4,613.1316	49,237.008	137.03997	9.6732	87	7.6800301	33.887622	4.5993303	3.4124
33	4,190.2752	44,623.877	133.55915	9.6494	88	6.1845188	26.207592	3.8020036	3.2376
34	3,805.9508	40,433.601	130.16884	9.6238	89	4.9236079	20.023074	3.1033216	3.0667
35	3,456.6337	36,627.651	126.84728	9.5963	90	3.8730442	15.099466	2.5003587	2.8986
36	3,139.1262	33,171.017	123.57919	9.5670	91	3.0047429	11.226421	1.9841523	2.7362
37	2,850.4978	30,031.891	120.32591	9.5357	92	2.2938754	8.2216786	1.5464432	2.5842
38	2,588.1224	27,181.393	117.08671	9.5024	93	1.7212407	5.9278032	1.1823426	2.4439
39	2,349.6152	24,593.270	113.86332	9.4669	94	1.2689612	4.2065625	.8865396	2.3150
40	2,132.8311	22,243.655	110.68066	9.4292	95	.9188663	2.9376013	.6518049	2.1970
41	1,935.7769	20,110.824	107.52019	9.3890	96	.6530383	2.0187350	.4695101	2.0913
42	1,756.6296	18,175.047	104.35256	9.3465	97	.4558148	1.3656966	.3316537	1.9962
43	1,593.7581	16,418.418	101.17466	9.3017	98	.3126061	.9098818	.2298827	1.9106
44	1,445.7124	14,824.660	98.016118	9.2542	99	.2107704	.5972758	.1564658	1.8338
45	1,311.1429	13,378.947	94.874979	9.2040	100	.1397983	.3865054	.1046546	1.7647
46	1,188.8252	12,067.804	91.752075	9.1510	101	.0912806	.2467071	.0688459	1.7027
47	1,077.6592	10,878.979	88.661130	9.0950	102	.0587167	.1554265	.0445802	1.6471
48	976.60418	9,801.3198	85.575105	9.0361	103	.0372387	.0967098	.0284400	1.5970
49	884.74124	8,824.7156	82.494363	8.9743	104	.0233036	.0594712	.0178903	1.5520
50	801.24580	7,939.9743	79.429941	8.9095	105	.0144010	.0361675	.0111062	1.5115
51	725.37510	7,138.7285	76.399775	8.8414	106	.0087955	.0217665	.0068099	1.4747
52	656.45128	6,413.3534	73.419143	8.7697	107	.0053133	.0129711	.0041272	1.4413
53	593.84970	5,756.9022	70.494951	8.6942	108	.0031771	.0076578	.0024741	1.4103
54	536.99129	5,163.0525	67.622878	8.6148	109	.0018819	.0044807	.0014678	1.3809

TABLE 3K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	920,710.61	1,352.4342	8.2071	55.....	180.16212	1,508.7369	18.511739	7.3743
1.....	88,285.714	820,710.61	352.43423	8.2961	56.....	159.85045	1,328.5748	17.503153	7.3114
2.....	78,758.740	732,424.90	284.64341	8.2996	57.....	141.75595	1,168.7243	16.535487	7.2446
3.....	70,280.924	653,666.16	245.26404	8.3008	58.....	125.64007	1,026.9684	15.607745	7.1739
4.....	62,724.470	583,385.24	218.90870	8.3008	59.....	111.28569	901.32830	14.714803	7.0992
5.....	55,985.509	520,660.77	200.42738	8.2999	60.....	98.500756	790.04261	13.853333	7.0207
6.....	49,971.566	464,675.26	184.93139	8.2988	61.....	87.114244	691.54185	13.020473	6.9383
7.....	44,605.423	414,703.69	172.88467	8.2972	62.....	76.975546	604.42761	12.215445	6.8522
8.....	39,816.712	370,098.27	163.32637	8.2950	63.....	67.952225	527.45206	11.439504	6.7621
9.....	35,542.815	330,281.56	155.50523	8.2925	64.....	59.927795	459.49984	10.695669	6.6676
10.....	31,728.626	294,738.74	149.47564	8.2894	65.....	52.797993	399.57204	9.9867021	6.5679
11.....	28,324.032	263,010.11	144.37640	8.2858	66.....	46.468362	346.77405	9.3139991	6.4626
12.....	25,284.762	234,686.08	139.82432	8.2817	67.....	40.851499	300.30569	8.6758889	6.3512
13.....	22,571.165	209,401.32	135.30919	8.2774	68.....	35.867616	259.45419	8.0689524	6.2337
14.....	20,147.586	186,830.16	130.06945	8.2731	69.....	31.444691	223.58657	7.4889858	6.1105
15.....	17,982.980	166,682.57	124.13311	8.2689	70.....	27.519719	192.14188	6.9330886	5.9820
16.....	16,049.810	148,699.59	117.71062	8.2649	71.....	24.038229	164.62216	6.4001398	5.8483
17.....	14,323.452	132,649.78	110.97543	8.2610	72.....	20.952965	140.58393	5.8904005	5.7095
18.....	12,782.146	118,326.33	104.32526	8.2572	73.....	18.221597	119.63097	5.4039924	5.5653
19.....	11,406.354	105,544.18	98.048309	8.2531	74.....	15.806910	101.40937	4.9416194	5.4155
20.....	10,178.439	94,137.829	92.243290	8.2487	75.....	13.674953	85.602460	4.5032599	5.2598
21.....	9,082.6212	83,959.390	86.972312	8.2440	76.....	11.796112	71.927507	4.0895926	5.0976
22.....	8,104.6175	74,876.768	82.106622	8.2388	77.....	10.142129	60.131395	3.6994783	4.9289
23.....	7,231.7792	66,772.151	77.620138	8.2332	78.....	8.6866426	49.989266	3.3306489	4.7547
24.....	6,452.8778	59,540.372	73.552262	8.2269	79.....	7.4057506	41.302624	2.9804686	4.5771
25.....	5,757.8107	53,087.494	69.864903	8.2201	80.....	6.2794814	33.896873	2.6476727	4.3980
26.....	5,137.5608	47,329.683	66.523317	8.2125	81.....	5.2914723	27.617392	2.3324652	4.2192
27.....	4,584.0804	42,192.122	63.495825	8.2041	82.....	4.4283481	22.325920	2.0362845	4.0416
28.....	4,090.1866	37,608.042	60.753563	8.1947	83.....	3.6781780	17.897572	1.7605803	3.8659
29.....	3,649.3960	33,517.855	58.197196	8.1845	84.....	3.0304903	14.219393	1.5069830	3.6921
30.....	3,256.0432	29,868.459	55.851156	8.1732	85.....	2.4752882	11.188903	1.2764764	3.5202
31.....	2,905.0011	26,612.416	53.670770	8.1609	86.....	2.0021325	8.7136150	1.0685301	3.3522
32.....	2,591.7019	23,707.415	51.621707	8.1474	87.....	1.6016166	6.7114825	.8825284	3.1904
33.....	2,312.0989	21,115.713	49.701071	8.1327	88.....	1.2667071	5.1098659	.7192207	3.0340
34.....	2,062.5367	18,803.614	47.863778	8.1167	89.....	.9904406	3.8431588	.5786727	2.8803
35.....	1,839.7828	16,741.078	46.095889	8.0995	90.....	.7651949	2.8527183	.4595457	2.7281
36.....	1,640.9548	14,901.295	44.387519	8.0809	91.....	.5830444	2.0875233	.3593804	2.5804
37.....	1,463.4680	13,260.340	42.717262	8.0609	92.....	.4371583	1.5044790	.2759634	2.4415
38.....	1,305.0345	11,796.872	41.083927	8.0395	93.....	.3221701	1.0673206	.2078135	2.3129
39.....	1,163.6130	10,491.837	39.487590	8.0166	94.....	.2332742	.7451505	.1534358	2.1943
40.....	1,037.3922	9,328.2245	37.939569	7.9920	95.....	.1658996	.5118764	.1110549	2.0855
41.....	924.73325	8,290.8323	36.429793	7.9656	96.....	.1157994	.3459768	.0787296	1.9877
42.....	824.16851	7,366.0990	34.943615	7.9376	97.....	.0793836	.2301774	.0547209	1.8996
43.....	734.40037	6,541.9305	33.479244	7.9079	98.....	.0534705	.1507938	.0373132	1.8201
44.....	654.28516	5,807.5301	32.049786	7.8761	99.....	.0354080	.0973233	.0249797	1.7486
45.....	582.78698	5,153.2450	30.653588	7.8424	100....	.0230658	.0619153	.0164312	1.6843
46.....	518.98221	4,570.4580	29.290283	7.8066	101....	.0147917	.0388496	.0106285	1.6264
47.....	462.05172	4,051.4758	27.965025	7.7684	102....	.0093450	.0240578	.0067665	1.5744
48.....	411.24666	3,589.4241	26.665504	7.7282	103....	.0058208	.0147129	.0042436	1.5276
49.....	365.91038	3,178.1774	25.391374	7.6857	104....	.0035776	.0088921	.0026240	1.4855
50.....	325.46095	2,812.2670	24.146625	7.6409	105....	.0021714	.0053145	.0016012	1.4475
51.....	289.38128	2,486.8061	22.937770	7.5935	106....	.0013025	.0031431	.0009649	1.4132
52.....	257.20828	2,197.4248	21.769910	7.5434	107....	.0007728	.0018406	.0005748	1.3819
53.....	228.52497	1,940.2165	20.644624	7.4902	108....	.0004538	.0010679	.0003386	1.3530
54.....	202.95465	1,711.6916	19.559130	7.4339	109....	.0002640	.0006140	.0001974	1.3256

TABLE 4A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	5,231,029.7	48,207.472	51.3103	55.....	51,734.576	1,108,899.3	40,755.220	20.4344
1.....	97,918.812	5,131,029.7	47,116.383	51.4009	56.....	50,792.085	1,057,164.7	40,324.953	19.8136
2.....	96,866.912	5,033,110.9	47,033.976	50.9590	57.....	49,830.052	1,006,372.6	39,865.812	19.1961
3.....	95,851.248	4,936,244.0	46,977.391	50.4990	58.....	48,846.772	956,542.60	39,375.899	18.5825
4.....	94,859.520	4,840,392.7	46,934.685	50.0270	59.....	47,838.884	907,695.82	38,851.643	17.9740
5.....	93,885.566	4,745,533.2	46,899.934	49.5459	60.....	46,803.480	859,856.94	38,289.891	17.3716
6.....	92,924.401	4,651,647.6	46,868.329	49.0584	61.....	45,737.659	813,053.46	37,687.470	16.7765
7.....	91,975.836	4,558,723.2	46,839.808	48.5644	62.....	44,639.955	767,315.80	37,042.614	16.1890
8.....	91,038.775	4,466,747.4	46,813.399	48.0642	63.....	43,509.371	722,675.85	36,354.010	15.6097
9.....	90,113.965	4,375,708.6	46,789.963	47.5575	64.....	42,347.541	679,166.47	35,622.966	15.0379
10.....	89,203.011	4,285,594.6	46,771.227	47.0432	65.....	41,156.779	636,818.93	34,851.486	14.4730
11.....	88,303.916	4,196,391.6	46,755.329	46.5221	66.....	39,939.190	595,662.16	34,041.390	13.9142
12.....	87,413.882	4,108,087.7	46,739.592	45.9958	67.....	38,694.748	555,722.97	33,192.386	13.3617
13.....	86,528.492	4,020,673.8	46,719.686	45.4665	68.....	37,422.419	517,028.22	32,303.173	12.8160
14.....	85,640.932	3,934,145.3	46,688.844	44.9377	69.....	36,118.933	479,605.80	31,370.206	12.2785
15.....	84,748.910	3,848,504.4	46,644.751	44.4107	70.....	34,782.175	443,486.87	30,391.061	11.7504
16.....	83,851.914	3,763,755.5	46,586.854	43.8857	71.....	33,410.862	408,704.69	29,364.126	11.2327
17.....	82,952.789	3,679,903.6	46,517.946	43.3614	72.....	32,006.944	375,293.83	28,291.009	10.7254
18.....	82,053.450	3,596,950.8	46,439.921	42.8367	73.....	30,573.920	343,286.88	27,174.886	10.2281
19.....	81,156.548	3,514,897.3	46,355.430	42.3101	74.....	29,116.967	312,712.96	26,020.644	9.7399
20.....	80,264.630	3,433,740.8	46,267.042	41.7802	75.....	27,640.939	283,596.00	24,832.903	9.2600
21.....	79,377.746	3,353,476.2	46,174.857	41.2471	76.....	26,149.149	255,955.06	23,614.786	8.7883
22.....	78,495.945	3,274,098.4	46,078.975	40.7104	77.....	24,642.337	229,805.91	22,366.876	8.3257
23.....	77,621.609	3,195,602.5	45,981.826	40.1690	78.....	23,120.855	205,163.57	21,089.378	7.8735
24.....	76,756.244	3,117,980.9	45,884.991	39.6219	79.....	21,583.891	182,042.72	19,781.333	7.4342
25.....	75,902.045	3,041,224.6	45,790.756	39.0678	80.....	20,033.483	160,458.83	18,444.628	7.0095
26.....	75,059.608	2,965,322.6	45,699.824	38.5062	81.....	18,473.847	140,425.34	17,083.343	6.6013
27.....	74,228.750	2,890,263.0	45,612.130	37.9372	82.....	16,913.264	121,951.50	15,705.669	6.2104
28.....	73,409.294	2,816,034.2	45,527.612	37.3607	83.....	15,362.603	105,038.23	14,322.466	5.8373
29.....	72,598.884	2,742,624.9	45,444.028	36.7778	84.....	13,836.077	89,675.631	12,948.045	5.4813
30.....	71,797.421	2,670,026.0	45,361.366	36.1883	85.....	12,347.808	75,839.553	11,596.767	5.1419
31.....	71,004.096	2,598,228.6	45,278.905	35.5927	86.....	10,907.638	63,491.745	10,278.853	4.8209
32.....	70,219.535	2,527,224.5	45,197.356	34.9903	87.....	9,525.2840	52,584.107	9,004.4948	4.5205
33.....	69,441.559	2,457,005.0	45,114.622	34.3823	88.....	8,220.7917	43,058.823	7,794.3122	4.2378
34.....	68,669.451	2,387,563.4	45,030.055	33.7689	89.....	7,012.5795	34,838.031	6,667.4940	3.9679
35.....	67,901.849	2,318,894.0	44,942.348	33.1507	90.....	5,910.0076	27,825.452	5,634.3536	3.7082
36.....	67,137.449	2,250,992.1	44,850.244	32.5281	91.....	4,912.3866	21,915.444	4,695.2475	3.4613
37.....	66,375.007	2,183,854.7	44,752.529	31.9018	92.....	4,017.6513	17,003.058	3,849.1497	3.2321
38.....	65,613.337	2,117,479.7	44,648.037	31.2721	93.....	3,228.1232	12,985.406	3,099.4003	3.0226
39.....	64,852.612	2,051,866.3	44,536.949	30.6389	94.....	2,545.6468	9,757.2831	2,448.8855	2.8329
40.....	64,091.718	1,987,013.7	44,418.160	30.0027	95.....	1,968.9444	7,211.6364	1,897.3875	2.6627
41.....	63,329.597	1,922,922.0	44,290.611	29.3637	96.....	1,492.6548	5,242.6920	1,440.5924	2.5123
42.....	62,563.372	1,859,592.4	44,151.411	28.7233	97.....	1,109.8849	3,750.0372	1,072.6013	2.3788
43.....	61,792.170	1,797,029.0	43,999.649	28.0818	98.....	809.84235	2,640.1523	783.54772	2.2601
44.....	61,015.791	1,735,236.9	43,835.074	27.4391	99.....	580.21596	1,830.3100	561.93957	2.1545
45.....	60,233.460	1,674,221.1	43,656.859	26.7955	100....	408.44906	1,250.0940	395.91738	2.0606
46.....	59,443.865	1,613,987.6	43,463.635	26.1515	101....	282.73167	841.64495	274.24405	1.9768
47.....	58,645.198	1,554,543.8	43,253.521	25.5076	102....	192.59346	558.91328	186.90515	1.9020
48.....	57,835.198	1,495,898.6	43,024.166	24.8648	103....	129.21305	366.31983	125.43161	1.8350
49.....	57,011.189	1,438,063.4	42,772.784	24.2242	104....	85.455881	237.10678	82.953781	1.7746
50.....	56,171.262	1,381,052.2	42,497.324	23.5865	105....	55.759539	151.65090	54.103538	1.7197
51.....	55,316.458	1,324,880.9	42,198.671	22.9509	106....	35.925705	95.891361	34.821779	1.6692
52.....	54,446.730	1,269,564.4	41,876.630	22.3176	107....	22.875782	59.965655	22.127555	1.6214
53.....	53,561.027	1,215,117.7	41,530.004	21.6866	108....	14.407213	37.089874	13.885479	1.5744
54.....	52,657.384	1,161,556.7	41,156.668	21.0588	109....	8.9819699	22.682661	8.6028818	1.5254

**TABLE 4B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,462,114.2	34,057.339	43.6211	55.....	39,429.760	792,859.92	27,712.531	19.1082
1.....	97,436.453	4,362,114.2	32,971.625	43.7688	56.....	38,520.738	753,430.16	27,386.216	18.5591
2.....	95,914.909	4,264,677.7	32,890.028	43.4631	57.....	37,604.970	714,909.42	27,039.719	18.0110
3.....	94,441.693	4,168,762.8	32,834.275	43.1411	58.....	36,681.332	677,304.45	26,671.820	17.4646
4.....	93,004.133	4,074,321.1	32,792.404	42.8080	59.....	35,747.494	640,623.12	26,280.071	16.9208
5.....	91,595.784	3,981,317.0	32,758.501	42.4662	60.....	34,801.506	604,875.63	25,862.371	16.3807
6.....	90,211.470	3,889,721.2	32,727.819	42.1178	61.....	33,841.465	570,074.12	25,416.637	15.8454
7.....	88,850.743	3,799,509.7	32,700.266	41.7628	62.....	32,866.564	536,232.66	24,941.857	15.3154
8.....	87,512.292	3,710,659.0	32,674.880	41.4016	63.....	31,876.357	503,366.09	24,437.363	14.7912
9.....	86,196.590	3,623,146.7	32,652.463	41.0335	64.....	30,872.331	471,489.73	23,904.415	14.2722
10.....	84,904.915	3,536,950.1	32,634.630	40.6578	65.....	29,856.433	440,617.40	23,344.759	13.7579
11.....	83,635.105	3,452,045.2	32,619.573	40.2751	66.....	28,830.431	410,760.97	22,759.985	13.2475
12.....	82,384.287	3,368,410.1	32,604.741	39.8866	67.....	27,794.524	381,930.54	22,150.143	12.7412
13.....	81,148.117	3,286,025.8	32,586.072	39.4942	68.....	26,748.190	354,136.02	21,514.566	12.2396
14.....	79,920.102	3,204,877.7	32,557.291	39.1010	69.....	25,689.331	327,387.83	20,851.000	11.7441
15.....	78,698.072	3,124,957.6	32,516.347	38.7082	70.....	24,616.706	301,698.49	20,158.021	11.2558
16.....	77,481.547	3,046,259.5	32,462.847	38.3159	71.....	23,529.691	277,081.79	19,434.799	10.7758
17.....	76,273.141	2,968,778.0	32,399.488	37.9230	72.....	22,429.938	253,552.10	18,682.776	10.3042
18.....	75,074.563	2,892,504.8	32,328.099	37.5284	73.....	21,320.154	231,122.16	17,904.468	9.8405
19.....	73,888.163	2,817,430.3	32,251.176	37.1310	74.....	20,204.154	209,802.01	17,103.545	9.3841
20.....	72,716.144	2,743,542.1	32,171.100	36.7295	75.....	19,085.461	189,597.85	16,283.435	8.9342
21.....	71,558.417	2,670,825.9	32,087.996	36.3237	76.....	17,966.470	170,512.39	15,446.496	8.4906
22.....	70,414.892	2,599,267.5	32,001.985	35.9136	77.....	16,847.770	152,545.92	14,593.310	8.0544
23.....	69,287.560	2,528,852.6	31,915.267	35.4979	78.....	15,729.675	135,698.15	13,724.197	7.6269
24.....	68,177.594	2,459,565.1	31,829.255	35.0759	79.....	14,611.706	119,968.48	12,838.686	7.2104
25.....	67,086.752	2,391,387.5	31,745.964	34.6462	80.....	13,495.314	105,356.77	11,938.231	6.8069
26.....	66,015.347	2,324,300.7	31,665.988	34.2085	81.....	12,383.380	91,861.457	11,025.735	6.4181
27.....	64,963.004	2,258,285.4	31,589.242	33.7626	82.....	11,281.442	79,478.077	10,106.803	6.0450
28.....	63,929.356	2,193,322.4	31,515.638	33.3085	83.....	10,196.645	68,196.635	9,188.7266	5.6881
29.....	62,912.155	2,129,393.0	31,443.206	32.8471	84.....	9,138.2034	57,999.990	8,280.9740	5.3470
30.....	61,911.139	2,066,480.9	31,371.926	32.3782	85.....	8,115.0847	48,861.786	7,392.9027	5.0211
31.....	60,925.440	2,004,569.7	31,301.170	31.9020	86.....	7,133.2794	40,746.702	6,531.0247	4.7122
32.....	59,955.435	1,943,644.3	31,231.541	31.4181	87.....	6,198.5738	33,613.422	5,701.7370	4.4228
33.....	58,999.102	1,883,688.9	31,161.249	30.9274	88.....	5,323.3230	27,414.848	4,918.0908	4.1500
34.....	58,055.697	1,824,689.8	31,089.752	30.4300	89.....	4,518.5834	22,091.525	4,192.0210	3.8890
35.....	57,123.946	1,766,634.1	31,015.967	29.9263	90.....	3,789.3775	17,572.942	3,529.5922	3.6374
36.....	56,202.647	1,709,510.1	30,938.864	29.4169	91.....	3,134.2072	13,783.564	2,930.4225	3.3978
37.....	55,290.669	1,653,307.5	30,857.467	28.9021	92.....	2,550.7197	10,649.357	2,393.2534	3.1750
38.....	54,386.953	1,598,016.8	30,770.854	28.3824	93.....	2,039.3695	8,098.6375	1,919.5985	2.9711
39.....	53,491.577	1,543,629.8	30,679.227	27.8574	94.....	1,600.2923	6,059.2680	1,510.6597	2.7864
40.....	52,603.564	1,490,138.3	30,581.730	27.3277	95.....	1,231.6575	4,458.9757	1,165.6746	2.6203
41.....	51,722.001	1,437,534.7	30,477.559	26.7935	96.....	929.11870	3,227.3182	881.33764	2.4735
42.....	50,844.511	1,385,812.7	30,364.433	26.2559	97.....	687.45630	2,298.1995	653.40606	2.3430
43.....	49,970.386	1,334,968.2	30,241.705	25.7152	98.....	499.14069	1,610.7432	475.24990	2.2270
44.....	49,099.473	1,284,997.8	30,109.271	25.1713	99.....	355.85043	1,111.6026	339.33610	2.1238
45.....	48,231.162	1,235,898.3	29,966.568	24.6245	100....	249.27060	755.75213	238.01514	2.0319
46.....	47,364.427	1,187,667.2	29,812.609	24.0751	101....	171.69709	506.48153	164.12544	1.9499
47.....	46,497.868	1,140,302.7	29,646.017	23.5238	102....	116.38187	334.78444	111.34762	1.8766
48.....	45,629.755	1,093,804.9	29,465.064	22.9713	103....	77.697227	218.40256	74.382902	1.8109
49.....	44,758.070	1,048,175.1	29,267.710	22.4187	104....	51.132430	140.70534	48.966340	1.7518
50.....	43,881.429	1,003,417.0	29,052.519	21.8666	105....	33.199304	89.572908	31.788866	1.6980
51.....	43,000.774	959,535.62	28,820.358	21.3144	106....	21.284843	56.373604	20.365035	1.6485
52.....	42,116.186	916,534.84	28,571.250	20.7621	107....	13.486412	35.088761	12.881158	1.6018
53.....	41,226.975	874,418.66	28,304.445	20.2099	108....	8.4519277	21.602349	8.0459804	1.5559
54.....	40,331.760	833,191.68	28,018.496	19.6585	109....	5.2432762	13.150422	4.9622342	1.5081

**TABLE 4C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,856,167.5	24,388.824	37.5617	55.....	30,091.720	569,075.09	18,933.336	17.9114
1.....	96,958.824	3,756,167.5	23,308.432	37.7398	56.....	29,253.872	538,983.37	18,685.521	17.4243
2.....	94,976.871	3,659,208.6	23,227.633	37.5274	57.....	28,418.415	509,729.50	18,423.671	16.9366
3.....	93,059.642	3,564,231.8	23,172.696	37.3005	58.....	27,584.530	481,311.09	18,147.009	16.4486
4.....	91,193.887	3,471,172.1	23,131.640	37.0636	59.....	26,750.504	453,726.56	17,853.856	15.9614
5.....	89,372.692	3,379,978.2	23,098.560	36.8189	60.....	25,914.944	426,976.05	17,542.816	15.4761
6.....	87,590.495	3,290,605.6	23,068.769	36.5681	61.....	25,076.519	401,061.11	17,212.527	14.9935
7.....	85,846.414	3,203,015.1	23,042.148	36.3110	62.....	24,234.735	375,984.59	16,862.439	14.5143
8.....	84,138.743	3,117,168.6	23,017.741	36.0480	63.....	23,389.370	351,749.85	16,492.265	14.0389
9.....	82,467.517	3,033,029.9	22,996.294	35.7785	64.....	22,541.620	328,360.48	16,103.131	13.5669
10.....	80,833.528	2,950,562.4	22,979.315	35.5017	65.....	21,692.995	305,818.86	15,696.497	13.0976
11.....	79,234.292	2,869,728.9	22,965.050	35.2183	66.....	20,844.841	284,125.87	15,273.697	12.6305
12.....	77,666.696	2,790,494.6	22,951.068	34.9291	67.....	19,997.355	263,281.03	14,834.933	12.1658
13.....	76,126.307	2,712,827.9	22,933.555	34.6359	68.....	19,150.212	243,283.67	14,379.895	11.7040
14.....	74,606.766	2,636,701.6	22,906.687	34.3413	69.....	18,301.971	224,133.46	13,907.148	11.2464
15.....	73,105.853	2,562,094.8	22,868.652	34.0464	70.....	17,451.826	205,831.49	13,415.866	10.7943
16.....	71,622.951	2,488,988.9	22,819.198	33.7513	71.....	16,599.424	188,379.66	12,905.656	10.3486
17.....	70,160.298	2,417,366.0	22,760.916	33.4549	72.....	15,746.018	171,780.24	12,377.730	9.9094
18.....	68,719.261	2,347,205.7	22,695.571	33.1564	73.....	14,893.572	156,034.22	11,834.029	9.4766
19.....	67,301.758	2,278,486.4	22,625.504	32.8548	74.....	14,044.785	141,140.65	11,277.272	9.0493
20.....	65,909.535	2,211,184.7	22,552.924	32.5488	75.....	13,202.098	127,095.86	10,709.973	8.6269
21.....	64,542.235	2,145,275.1	22,477.968	32.2383	76.....	12,367.130	113,893.77	10,133.870	8.2094
22.....	63,199.504	2,080,732.9	22,400.771	31.9232	77.....	11,540.229	101,526.64	9,549.4622	7.7976
23.....	61,882.847	2,017,533.4	22,323.320	31.6025	78.....	10,721.552	89,986.408	8,957.0637	7.3930
24.....	60,593.015	1,955,650.6	22,246.877	31.2752	79.....	9,910.7083	79,264.857	8,356.4466	6.9979
25.....	59,331.254	1,895,057.5	22,173.215	30.9403	80.....	9,108.6210	69,354.148	7,748.6870	6.6141
26.....	58,097.513	1,835,726.3	22,102.831	30.5973	81.....	8,317.1533	60,245.527	7,135.8197	6.2435
27.....	56,891.135	1,777,628.8	22,035.621	30.2461	82.....	7,539.9072	51,928.374	6,521.6550	5.8871
28.....	55,711.481	1,720,737.6	21,971.479	29.8866	83.....	6,781.4812	44,388.467	5,911.0703	5.5455
29.....	54,556.287	1,665,026.2	21,908.667	29.5194	84.....	6,047.7515	37,606.986	5,310.3109	5.2183
30.....	53,425.046	1,610,469.9	21,847.157	29.1445	85.....	5,344.3150	31,559.234	4,725.4577	4.9052
31.....	52,316.739	1,557,044.8	21,786.399	28.7619	86.....	4,674.7038	26,214.919	4,160.6370	4.6078
32.....	51,231.423	1,504,728.1	21,726.902	28.3712	87.....	4,042.2439	21,540.215	3,619.8379	4.3288
33.....	50,167.115	1,453,496.7	21,667.132	27.9731	88.....	3,454.4541	17,497.971	3,111.3078	4.0653
34.....	49,122.950	1,403,329.5	21,606.636	27.5677	89.....	2,917.8622	14,043.517	2,642.4503	3.8129
35.....	48,097.629	1,354,206.6	21,544.510	27.1554	90.....	2,434.9846	11,125.655	2,216.7857	3.5691
36.....	47,089.937	1,306,109.0	21,479.908	26.7365	91.....	2,004.1117	8,690.6704	1,833.6576	3.3364
37.....	46,098.740	1,259,019.0	21,412.043	26.3114	92.....	1,623.0161	6,686.5587	1,491.8583	3.1198
38.....	45,122.983	1,212,920.3	21,340.184	25.8803	93.....	1,291.2843	5,063.5426	1,191.9504	2.9213
39.....	44,162.571	1,167,797.3	21,264.536	25.4431	94.....	1,008.3032	3,772.2583	934.28853	2.7412
40.....	43,216.540	1,123,634.7	21,184.437	25.0001	95.....	772.23172	2,763.9551	717.98773	2.5792
41.....	42,283.995	1,080,418.2	21,099.275	24.5515	96.....	579.68861	1,991.7234	540.58642	2.4359
42.....	41,362.867	1,038,134.2	21,007.246	24.0982	97.....	426.80995	1,412.0348	399.07420	2.3083
43.....	40,452.478	996,771.33	20,907.894	23.6406	98.....	308.37437	985.22485	289.00745	2.1949
44.....	39,552.609	956,318.85	20,801.210	23.1784	99.....	218.77046	676.85048	205.45009	2.0939
45.....	38,662.675	916,766.24	20,686.818	22.7119	100.....	152.49588	458.08002	143.46512	2.0039
46.....	37,781.773	878,103.57	20,564.007	22.2415	101.....	104.52396	305.58414	98.483327	1.9236
47.....	36,908.717	840,321.80	20,431.771	21.7676	102.....	70.502437	201.06018	66.511291	1.8518
48.....	36,042.086	803,413.08	20,288.840	21.2910	103.....	46.837119	130.55774	44.228374	1.7875
49.....	35,180.256	767,370.99	20,133.718	20.8125	104.....	30.672344	83.720625	28.981973	1.7295
50.....	34,322.134	732,190.74	19,965.404	20.3329	105.....	19.817341	53.048281	18.728389	1.6769
51.....	33,468.455	697,868.60	19,784.708	19.8515	106.....	12.643075	33.230940	11.942698	1.6284
52.....	32,619.275	664,400.15	19,591.772	19.3683	107.....	7.9715828	20.587865	7.5191093	1.5827
53.....	31,774.052	631,780.87	19,386.143	18.8835	108.....	4.9712979	12.616282	4.6751299	1.5378
54.....	30,931.728	600,006.82	19,166.840	18.3978	109.....	3.0688992	7.6449840	2.8702076	1.4911

TABLE 4D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,982,906.0	13,119.227	28.8291	55.....	17,595.803	296,425.53	8,962.0341	15.8464
1.....	96,017.476	2,882,906.0	12,049.324	29.0248	56.....	16,939.804	278,829.73	8,818.5343	15.4600
2.....	93,141.613	2,786,888.5	11,970.086	28.9210	57.....	16,296.256	261,889.93	8,668.3786	15.0706
3.....	90,375.397	2,693,746.9	11,916.734	28.8062	58.....	15,664.499	245,593.67	8,511.2700	14.6784
4.....	87,703.620	2,603,371.5	11,877.249	28.6837	59.....	15,043.394	229,929.17	8,346.4126	14.2844
5.....	85,117.640	2,515,667.9	11,845.744	28.5552	60.....	14,432.019	214,885.78	8,173.1945	13.8895
6.....	82,610.388	2,430,550.3	11,817.647	28.4218	61.....	13,829.517	200,453.76	7,991.0428	13.4946
7.....	80,179.397	2,347,939.9	11,792.784	28.2836	62.....	13,235.519	186,624.24	7,799.8463	13.1003
8.....	77,821.500	2,267,760.5	11,770.209	28.1405	63.....	12,649.816	173,388.72	7,599.6430	12.7068
9.....	75,535.210	2,189,939.0	11,750.564	27.9923	64.....	12,072.959	160,738.91	7,391.2281	12.3140
10.....	73,319.755	2,114,403.8	11,735.164	27.8381	65.....	11,505.648	148,665.95	7,175.5558	11.9211
11.....	71,171.415	2,041,084.0	11,722.351	27.6784	66.....	10,948.461	137,160.30	6,953.4857	11.5278
12.....	69,086.024	1,969,912.6	11,709.913	27.5139	67.....	10,401.357	126,211.84	6,725.2687	11.1342
13.....	67,058.382	1,900,826.6	11,694.486	27.3458	68.....	9,864.0211	115,810.48	6,490.8847	10.7407
14.....	65,081.788	1,833,768.2	11,671.048	27.1764	69.....	9,335.5777	105,946.46	6,249.7429	10.3487
15.....	63,153.345	1,768,686.4	11,638.192	27.0062	70.....	8,815.5045	96,610.881	6,001.5797	9.9592
16.....	61,271.620	1,705,533.1	11,595.885	26.8356	71.....	8,303.5205	87,795.377	5,746.3580	9.5733
17.....	59,437.636	1,644,261.4	11,546.511	26.6636	72.....	7,800.1498	79,491.857	5,484.8374	9.1911
18.....	57,651.622	1,584,823.8	11,491.690	26.4897	73.....	7,306.2413	71,691.707	5,218.1177	8.8124
19.....	55,914.237	1,527,172.2	11,433.478	26.3128	74.....	6,822.9653	64,385.465	4,947.6449	8.4366
20.....	54,225.952	1,471,257.9	11,373.764	26.1320	75.....	6,351.3196	57,562.500	4,674.7263	8.0631
21.....	52,585.486	1,417,032.0	11,312.694	25.9472	76.....	5,891.8664	51,211.181	4,400.2630	7.6918
22.....	50,991.584	1,364,446.5	11,250.408	25.7583	77.....	5,444.5421	45,319.314	4,124.5465	7.3238
23.....	49,444.509	1,313,454.9	11,188.525	25.5642	78.....	5,009.1902	39,874.772	3,847.7735	6.9603
24.....	47,943.892	1,264,010.4	11,128.040	25.3644	79.....	4,585.4030	34,865.582	3,569.8850	6.6036
25.....	46,489.749	1,216,066.5	11,070.321	25.1577	80.....	4,173.3845	30,280.179	3,291.4220	6.2555
26.....	45,081.065	1,169,576.8	11,015.707	24.9439	81.....	3,773.7525	26,106.794	3,013.3449	5.9180
27.....	43,716.378	1,124,495.7	10,964.060	24.7225	82.....	3,387.8772	22,333.042	2,737.3847	5.5920
28.....	42,394.276	1,080,779.3	10,915.251	24.4935	83.....	3,017.5131	18,945.165	2,465.6966	5.2784
29.....	41,112.158	1,038,385.0	10,867.917	24.2574	84.....	2,664.9035	15,927.652	2,200.9758	4.9768
30.....	39,868.814	997,272.89	10,822.016	24.0139	85.....	2,332.0752	13,262.748	1,945.7660	4.6871
31.....	38,662.686	957,404.07	10,777.115	23.7630	86.....	2,020.0752	10,930.673	1,701.6905	4.4110
32.....	37,493.046	918,741.39	10,733.572	23.5043	87.....	1,729.8120	8,910.5975	1,470.2644	4.1512
33.....	36,357.698	881,248.34	10,690.255	23.2383	88.....	1,463.9248	7,180.7855	1,254.7601	3.9052
34.....	35,255.319	844,490.64	10,646.838	22.9649	89.....	1,224.5233	5,716.8608	1,057.9972	3.6686
35.....	34,184.310	809,635.32	10,602.683	22.6844	90.....	1,011.9556	4,492.3374	881.09523	3.4393
36.....	33,143.182	775,451.01	10,557.215	22.3970	91.....	824.80276	3,480.3818	723.41683	3.2197
37.....	32,130.545	742,307.83	10,509.913	22.1029	92.....	661.47579	2,655.5791	584.11325	3.0146
38.....	31,145.104	710,177.29	10,460.313	21.8022	93.....	521.16586	1,994.1033	463.06960	2.8262
39.....	30,186.259	679,032.18	10,408.607	21.4947	94.....	403.00289	1,472.9374	360.08622	2.6549
40.....	29,252.829	648,845.92	10,354.389	21.1806	95.....	305.65226	1,069.9345	274.47353	2.5005
41.....	28,343.719	619,593.10	10,297.303	20.8600	96.....	227.21536	764.28228	204.93913	2.3637
42.....	27,457.084	591,249.38	10,236.213	20.5336	97.....	165.66868	537.06692	150.01037	2.2418
43.....	26,592.052	563,792.29	10,170.902	20.2015	98.....	118.53513	371.39825	107.70213	2.1332
44.....	25,748.077	537,200.24	10,101.453	19.8637	99.....	83.276110	252.86311	75.895584	2.0364
45.....	24,924.389	511,452.16	10,027.708	19.5201	100....	57.484771	169.58700	52.529763	1.9501
46.....	24,120.033	486,527.77	9,949.3055	19.1711	101....	39.018765	112.10223	35.738070	1.8730
47.....	23,333.907	462,407.74	9,865.7050	18.8170	102....	26.063020	73.083467	23.918794	1.8041
48.....	22,564.794	439,073.83	9,776.2206	18.4584	103....	17.146431	47.020447	15.761322	1.7423
49.....	21,811.393	416,509.04	9,680.0463	18.0959	104....	11.119710	29.874017	10.234012	1.6866
50.....	21,072.770	394,697.65	9,576.7069	17.7302	105....	7.1146711	18.754307	6.5528482	1.6360
51.....	20,349.136	373,624.88	9,466.8421	17.3607	106....	4.4949525	11.639636	4.1403530	1.5895
52.....	19,640.274	353,275.74	9,350.6742	16.9873	107....	2.8065960	7.1446830	2.5829174	1.5457
53.....	18,945.619	333,635.47	9,228.0655	16.6102	108....	1.7332774	4.3380870	1.5913444	1.5028
54.....	18,264.312	314,689.85	9,098.5731	16.2298	109....	1.0596046	2.6048097	.9681554	1.4583

TABLE 4E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,401,939.5	7,617.7068	23.0194	55.....	10,342.435	156,577.24	4,320.2283	14.1393
1.....	95,094.231	2,301,939.5	6,558.0914	23.2069	56.....	9,861.1138	146,234.80	4,236.6932	13.8294
2.....	91,359.039	2,206,845.3	6,480.3702	23.1557	57.....	9,395.2710	136,373.69	4,150.1240	13.5151
3.....	87,793.401	2,115,486.2	6,428.5415	23.0962	58.....	8,944.2076	126,978.42	4,060.4172	13.1967
4.....	84,378.744	2,027,692.8	6,390.5540	23.0308	59.....	8,506.9735	118,034.21	3,967.1911	12.8750
5.....	81,103.389	1,943,314.1	6,360.5346	22.9609	60.....	8,082.7700	109,527.24	3,870.1789	12.5507
6.....	77,957.513	1,862,210.7	6,334.0200	22.8875	61.....	7,670.8596	101,444.47	3,769.1442	12.2247
7.....	74,935.910	1,784,253.2	6,310.7827	22.8104	62.....	7,270.7947	93,773.608	3,664.1125	11.8973
8.....	72,032.864	1,709,317.3	6,289.8871	22.7297	63.....	6,882.2267	86,502.814	3,555.1904	11.5690
9.....	69,244.361	1,637,284.4	6,271.8789	22.6450	64.....	6,505.2263	79,620.587	3,442.8910	11.2395
10.....	66,567.134	1,568,040.0	6,257.8968	22.5558	65.....	6,139.9328	73,115.361	3,327.7985	10.9082
11.....	63,995.339	1,501,472.9	6,246.3756	22.4622	66.....	5,786.4143	66,975.428	3,210.4313	10.5746
12.....	61,522.903	1,437,477.6	6,235.2995	22.3649	67.....	5,444.4039	61,189.013	3,090.9752	10.2389
13.....	59,143.032	1,375,954.7	6,221.6935	22.2649	68.....	5,113.4993	55,744.610	2,969.4708	9.9015
14.....	56,847.827	1,316,811.6	6,201.2209	22.1638	69.....	4,793.0206	50,631.110	2,845.6651	9.5635
15.....	54,632.948	1,259,963.8	6,172.7970	22.0623	70.....	4,482.4881	45,838.090	2,719.4796	9.2260
16.....	52,495.434	1,205,330.9	6,136.5501	21.9607	71.....	4,181.5580	41,355.602	2,590.9529	8.8900
17.....	50,434.484	1,152,835.4	6,094.6547	21.8581	72.....	3,890.2964	37,174.044	2,460.5205	8.5556
18.....	48,448.626	1,102,400.9	6,048.5847	21.7540	73.....	3,608.9232	33,283.747	2,328.7741	8.2226
19.....	46,536.769	1,053,952.3	6,000.1361	21.6477	74.....	3,337.8029	29,674.824	2,196.4585	7.8905
20.....	44,697.671	1,007,415.5	5,950.9145	21.5384	75.....	3,077.1975	26,337.021	2,064.2301	7.5588
21.....	42,928.675	962,717.87	5,901.0594	21.4260	76.....	2,827.1456	23,259.824	1,932.5320	7.2273
22.....	41,227.213	919,789.20	5,850.7008	21.3102	77.....	2,587.3819	20,432.678	1,801.5047	6.8970
23.....	39,591.999	878,561.99	5,801.1489	21.1904	78.....	2,357.6025	17,845.296	1,671.2399	6.5693
24.....	38,021.263	838,969.99	5,753.1816	21.0658	79.....	2,137.3934	15,487.694	1,541.7078	6.2461
25.....	36,513.574	800,948.72	5,707.8486	20.9356	80.....	1,926.6340	13,350.300	1,413.1559	5.9293
26.....	35,066.723	764,435.15	5,665.3665	20.7994	81.....	1,725.3934	11,423.666	1,286.0166	5.6209
27.....	33,678.216	729,368.43	5,625.5792	20.6570	82.....	1,534.0738	9,698.2728	1,161.0583	5.3219
28.....	32,345.660	695,690.21	5,588.3389	20.5080	83.....	1,353.2301	8,164.1989	1,039.2174	5.0331
29.....	31,065.829	663,344.55	5,552.5720	20.3529	84.....	1,183.6079	6,810.9688	921.64257	4.7544
30.....	29,836.638	632,278.72	5,518.2204	20.1914	85.....	1,025.8239	5,627.3609	809.38190	4.4857
31.....	28,655.795	602,442.08	5,484.9411	20.0234	86.....	880.03853	4,601.5370	703.05131	4.2288
32.....	27,521.687	573,786.29	5,452.9788	19.8485	87.....	746.34037	3,721.4984	603.20079	3.9863
33.....	26,431.670	546,264.60	5,421.4877	19.6670	88.....	625.54805	2,975.1581	511.11387	3.7561
34.....	25,383.806	519,832.93	5,390.2271	19.4789	89.....	518.21844	2,349.6100	427.84380	3.5340
35.....	24,376.021	494,449.12	5,358.7415	19.2842	90.....	424.14186	1,831.3916	353.69870	3.3179
36.....	23,406.371	470,073.10	5,326.6307	19.0831	91.....	342.37629	1,407.2497	288.24627	3.1102
37.....	22,473.042	446,666.73	5,293.5467	18.8757	92.....	271.93895	1,064.8734	230.97725	2.9159
38.....	21,574.336	424,193.69	5,259.1889	18.6620	93.....	212.19605	792.93447	181.69354	2.7368
39.....	20,709.081	402,619.36	5,223.7157	18.4417	94.....	162.50749	580.73842	140.16637	2.5736
40.....	19,875.739	381,910.28	5,186.8775	18.2149	95.....	122.06656	418.23093	105.97573	2.4263
41.....	19,072.874	362,034.54	5,148.4638	17.9816	96.....	89.869161	296.16436	78.473193	2.2955
42.....	18,298.589	342,961.66	5,107.7505	17.7425	97.....	64.895904	206.29520	56.956442	2.1789
43.....	17,551.690	324,663.07	5,064.6433	17.4975	98.....	45.986236	141.39930	40.542770	2.0748
44.....	16,831.226	307,111.38	5,019.2452	17.2465	99.....	31.996692	95.413061	28.321928	1.9820
45.....	16,136.129	290,280.16	4,971.5027	16.9895	100....	21.874662	63.416369	19.430540	1.8991
46.....	15,465.239	274,144.03	4,921.2325	16.7265	101....	14.705031	41.541707	13.102242	1.8250
47.....	14,817.334	258,678.79	4,868.1451	16.4578	102....	9.7279436	26.836676	8.6907328	1.7587
48.....	14,191.159	243,861.46	4,811.8677	16.1840	103....	6.3383165	17.108733	5.6752574	1.6993
49.....	13,585.443	229,670.30	4,751.9646	15.9056	104....	4.0709666	10.770416	3.6516889	1.6457
50.....	12,999.178	216,084.85	4,688.2176	15.6230	105....	2.5796619	6.6994497	2.3169599	1.5970
51.....	12,432.089	203,085.67	4,621.0968	15.3356	106....	1.6141242	4.1197878	1.4506399	1.5523
52.....	11,883.643	190,653.59	4,550.8077	15.0434	107....	.9981496	2.5056635	.8967470	1.5103
53.....	11,353.107	178,769.94	4,477.3348	14.7463	108....	.6105028	1.5075139	.5474906	1.4693
54.....	10,839.597	167,416.84	4,400.4830	14.4449	109....	.3696301	.8970111	.3300988	1.4268

**TABLE 4F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,998,431.6	4,836.5895	18.9843	55.....	6,110.0534	83,796.901	2,119.7231	12.7146
1.....	94,188.571	1,898,431.6	3,787.0656	19.1556	56.....	5,770.2180	77,686.848	2,070.8427	12.4634
2.....	89,627.153	1,804,243.0	3,710.8178	19.1305	57.....	5,445.2723	71,916.630	2,020.6693	12.2072
3.....	85,308.832	1,714,615.9	3,660.4558	19.0989	58.....	5,134.4769	66,471.357	1,969.1725	11.9461
4.....	81,209.946	1,629,307.0	3,623.8949	19.0629	59.....	4,836.9706	61,336.880	1,916.1652	11.6808
5.....	77,314.188	1,548,097.1	3,595.2781	19.0235	60.....	4,552.0040	56,499.910	1,861.5304	11.4121
6.....	73,607.525	1,470,782.9	3,570.2430	18.9814	61.....	4,278.8837	51,947.906	1,805.1723	11.1405
7.....	70,080.673	1,397,175.4	3,548.5112	18.9367	62.....	4,017.0976	47,669.022	1,747.1425	10.8665
8.....	66,724.143	1,327,094.7	3,529.1556	18.8893	63.....	3,766.2011	43,651.924	1,687.5364	10.5904
9.....	63,530.281	1,260,370.6	3,512.6335	18.8389	64.....	3,525.9892	39,885.723	1,626.6674	10.3119
10.....	60,492.323	1,196,840.3	3,499.9274	18.7850	65.....	3,296.2962	36,359.734	1,564.8787	10.0305
11.....	57,601.366	1,136,348.0	3,489.5573	18.7278	66.....	3,076.9199	33,063.438	1,502.4688	9.7456
12.....	54,848.569	1,078,746.6	3,479.6828	18.6677	67.....	2,867.4842	29,986.518	1,439.5531	9.4574
13.....	52,224.718	1,023,898.0	3,467.6683	18.6056	68.....	2,667.5523	27,119.034	1,376.1680	9.1663
14.....	49,719.921	971,673.30	3,449.7627	18.5429	69.....	2,476.5555	24,451.482	1,312.1976	8.8732
15.....	47,327.683	921,953.38	3,425.1395	18.4802	70.....	2,294.0452	21,974.926	1,247.6185	8.5791
16.....	45,042.883	874,625.69	3,394.0385	18.4176	71.....	2,119.6540	19,680.881	1,182.4676	8.2849
17.....	42,862.378	829,582.81	3,358.4331	18.3546	72.....	1,953.2309	17,561.227	1,116.9804	7.9909
18.....	40,782.532	786,720.43	3,319.6529	18.2906	73.....	1,794.7030	15,607.996	1,051.4634	7.6967
19.....	38,800.113	745,937.90	3,279.2588	18.2251	74.....	1,644.0676	13,813.293	986.29007	7.4019
20.....	36,911.841	707,137.79	3,238.6110	18.1575	75.....	1,501.2686	12,169.225	921.77999	7.1060
21.....	35,113.355	670,225.95	3,197.8322	18.0875	76.....	1,366.1401	10,667.957	858.14050	6.8088
22.....	33,400.492	635,112.59	3,157.0339	18.0151	77.....	1,238.3735	9,301.8168	795.42817	6.5113
23.....	31,770.230	601,712.10	3,117.2714	17.9395	78.....	1,117.6497	8,063.4433	733.67461	6.2146
24.....	30,219.238	569,941.87	3,079.1471	17.8602	79.....	1,003.6069	6,945.7935	672.85317	5.9208
25.....	28,744.539	539,722.63	3,043.4596	17.7765	80.....	896.02979	5,942.1867	613.06688	5.6317
26.....	27,342.627	510,978.09	3,010.3349	17.6880	81.....	794.79549	5,046.1569	554.50066	5.3490
27.....	26,009.869	483,635.47	2,979.6070	17.5943	82.....	699.93476	4,251.3614	497.48734	5.0739
28.....	24,742.817	457,625.60	2,951.1200	17.4953	83.....	611.54300	3,551.4266	442.42580	4.8073
29.....	23,537.488	432,882.78	2,924.0208	17.3912	84.....	529.79426	2,939.8836	389.79816	4.5491
30.....	22,390.876	409,345.29	2,898.2416	17.2818	85.....	454.79557	2,410.0894	340.02777	4.2993
31.....	21,299.907	386,954.42	2,873.5050	17.1670	86.....	386.44630	1,955.2938	293.33543	4.0597
32.....	20,262.095	365,654.51	2,849.9737	17.0462	87.....	324.61489	1,568.8475	249.90622	3.8329
33.....	19,274.269	345,392.41	2,827.0100	16.9199	88.....	269.48601	1,244.2326	210.23519	3.6171
34.....	18,333.869	326,118.14	2,804.4316	16.7877	89.....	221.12225	974.74660	174.70410	3.4082
35.....	17,438.303	307,784.28	2,781.9071	16.6499	90.....	179.25644	753.62435	143.36792	3.2042
36.....	16,585.155	290,345.97	2,759.1543	16.5064	91.....	143.32150	574.36791	115.96900	3.0075
37.....	15,772.166	273,760.82	2,735.9350	16.3572	92.....	112.75170	431.04642	92.224042	2.8230
38.....	14,997.227	257,988.65	2,712.0515	16.2024	93.....	87.143108	318.29471	71.984575	2.6526
39.....	14,258.649	242,991.42	2,687.6274	16.0417	94.....	66.101782	231.15160	55.092921	2.4969
40.....	13,554.544	228,732.78	2,662.5050	15.8750	95.....	49.179096	165.04982	41.317939	2.3561
41.....	12,883.142	215,178.23	2,636.5578	15.7023	96.....	35.862334	115.87073	30.343038	2.2310
42.....	12,242.420	202,295.09	2,609.3191	15.5241	97.....	25.650107	80.008391	21.838542	2.1192
43.....	11,630.882	190,052.67	2,580.7535	15.3403	98.....	18.002955	54.358284	15.412823	2.0194
44.....	11,047.234	178,421.79	2,550.9563	15.1508	99.....	12.406951	36.355329	10.674103	1.9302
45.....	10,490.137	167,374.55	2,519.9188	14.9554	100....	8.4012782	23.948378	7.2592372	1.8506
46.....	9,958.2374	156,884.42	2,487.5492	14.7542	101....	5.5938911	15.547100	4.8519109	1.7793
47.....	9,450.1776	146,926.18	2,453.6912	14.5475	102....	3.6653305	9.9532085	3.1897261	1.7155
48.....	8,964.6185	137,476.00	2,418.1406	14.3354	103....	2.3654298	6.2878780	2.0643649	1.6582
49.....	8,500.2512	128,511.38	2,380.6599	14.1185	104....	1.5047963	3.9224482	1.3163710	1.6066
50.....	8,055.9714	120,011.13	2,341.1540	13.8972	105....	.9444675	2.4176518	.8276991	1.5598
51.....	7,631.1532	111,955.16	2,299.9535	13.6708	106....	.5853360	1.4731843	.5135422	1.5168
52.....	7,225.0305	104,324.01	2,257.2190	13.4392	107....	.3585155	.8878483	.3145949	1.4765
53.....	6,836.7367	97,098.977	2,212.9743	13.2025	108....	.2171921	.5293328	.1903437	1.4372
54.....	6,465.3391	90,262.240	2,167.1356	12.9609	109....	.1302470	.3121407	.1137411	1.3965



**TABLE 4G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	1,707,053.9	3,374.3051	16.0705	55	3,627.7209	45,400.079	1,057.9045	11.5148
1	93,300.000	1,607,053.9	2,334.6825	16.2246	56	3,393.6302	41,772.358	1,029.1565	11.3090
2	87,944.052	1,513,753.9	2,259.8664	16.2127	57	3,172.3079	38,378.728	999.92651	11.0980
3	82,917.137	1,425,809.9	2,210.9164	16.1956	58	2,963.0253	35,206.420	970.20857	10.8819
4	78,188.513	1,342,892.7	2,175.7158	16.1751	59	2,765.0058	32,243.395	939.90744	10.6612
5	73,735.456	1,264,704.2	2,148.4235	16.1519	60	2,577.5593	29,478.389	908.97068	10.4366
6	69,538.100	1,190,968.8	2,124.7725	16.1269	61	2,400.0481	26,900.830	877.35910	10.2085
7	65,581.645	1,121,430.7	2,104.4359	16.0998	62	2,231.9542	24,500.782	845.11694	9.9773
8	61,851.534	1,055,849.0	2,086.4938	16.0707	63	2,072.8116	22,268.827	812.31143	9.7433
9	58,335.332	993,997.50	2,071.3227	16.0394	64	1,922.2981	20,196.016	779.12689	9.5062
10	55,021.776	935,662.16	2,059.7657	16.0053	65	1,780.1206	18,273.718	745.75869	9.2654
11	51,897.992	880,640.39	2,050.4223	15.9687	66	1,645.9734	16,493.597	712.37304	9.0206
12	48,951.557	828,742.40	2,041.6095	15.9298	67	1,519.4664	14,847.624	679.03431	8.7716
13	46,170.093	779,790.84	2,030.9879	15.8895	68	1,400.1883	13,328.157	645.76373	8.5188
14	43,541.011	733,620.75	2,015.3075	15.8490	69	1,287.6713	11,927.969	612.50265	8.2632
15	41,055.065	690,079.74	1,993.9478	15.8086	70	1,181.5234	10,640.298	579.24186	8.0056
16	38,704.469	649,024.67	1,967.2232	15.7687	71	1,081.4060	9,458.7743	546.00316	7.7467
17	36,483.344	610,320.20	1,936.9169	15.7287	72	987.0925	8,377.3683	512.90805	7.4869
18	34,385.552	573,836.86	1,904.2196	15.6883	73	898.42794	7,390.2690	480.11028	7.2258
19	32,405.463	539,451.31	1,870.4828	15.6469	74	815.25555	6,491.8411	447.79230	6.9630
20	30,537.563	507,045.84	1,836.8545	15.6040	75	737.42172	5,676.5856	416.10501	6.6979
21	28,775.603	476,508.28	1,803.4360	15.5595	76	664.71611	4,939.1638	385.14026	6.4305
22	27,113.677	447,732.68	1,770.3169	15.5132	77	596.86490	4,274.4477	354.91449	6.1615
23	25,546.966	420,619.00	1,738.3433	15.4645	78	533.59722	3,677.5828	325.43161	5.8921
24	24,070.545	395,072.03	1,707.9761	15.4131	79	474.62969	3,143.9856	296.66770	5.6241
25	22,679.903	371,001.49	1,679.8181	15.3582	80	419.75623	2,669.3559	268.66007	5.3593
26	21,370.246	348,321.59	1,653.9288	15.2994	81	368.81921	2,249.5997	241.48284	5.0995
27	20,136.819	326,951.34	1,630.1393	15.2365	82	321.73561	1,880.7805	215.27580	4.8457
28	18,975.153	306,814.52	1,608.2927	15.1693	83	278.45306	1,559.0449	190.20470	4.5990
29	17,880.501	287,839.37	1,587.7065	15.0979	84	238.95476	1,280.5918	166.46789	4.3591
30	16,848.999	269,958.87	1,568.3078	15.0222	85	203.19270	1,041.6370	144.23157	4.1264
31	15,876.843	253,109.87	1,549.8693	14.9421	86	171.02691	838.44433	123.56726	3.9024
32	14,960.780	237,233.02	1,532.4946	14.8570	87	142.30730	667.41742	104.52841	3.6900
33	14,097.147	222,272.24	1,515.6990	14.7672	88	117.02493	525.11012	87.301175	3.4872
34	13,282.838	208,175.10	1,499.3410	14.6725	89	95.116981	408.08519	72.017277	3.2904
35	12,514.814	194,892.26	1,483.1761	14.5729	90	76.380730	312.96821	58.665007	3.0975
36	11,790.253	182,377.45	1,467.0013	14.4685	91	60.492818	236.58748	47.100532	2.9110
37	11,106.530	170,587.19	1,450.6506	14.3592	92	47.141025	176.09466	37.172861	2.7355
38	10,461.199	159,480.66	1,433.9908	14.2450	93	36.090458	128.95363	28.790654	2.5731
39	9,852.1793	149,019.46	1,417.1147	14.1255	94	27.117893	92.863177	21.860945	2.4244
40	9,277.3139	139,167.28	1,399.9199	14.0008	95	19.985120	65.745284	16.263147	2.2897
41	8,734.5910	129,889.97	1,382.3280	13.8708	96	14.436044	45.760164	11.845304	2.1699
42	8,221.8870	121,155.38	1,364.0348	13.7357	97	10.227801	31.324120	8.4541958	2.0626
43	7,737.4938	112,933.49	1,345.0314	13.5956	98	7.1108303	21.096319	5.9161574	1.9668
44	7,279.8867	105,196.00	1,325.3957	13.4502	99	4.8542821	13.985489	4.0621090	1.8811
45	6,847.5576	97,916.112	1,305.1356	13.2994	100	3.2560326	9.1312069	2.7386302	1.8044
46	6,439.0297	91,068.554	1,284.2053	13.1432	101	2.1475378	5.8751742	1.8144391	1.7358
47	6,052.8702	84,629.525	1,262.5192	12.9817	102	1.3938736	3.7276364	1.1823336	1.6743
48	5,687.6994	78,576.655	1,239.9637	12.8152	103	.8910534	2.3337628	.7584119	1.6191
49	5,342.1985	72,888.955	1,216.4080	12.6440	104	.5615066	1.4427094	.4793021	1.5694
50	5,015.2156	67,546.757	1,191.8137	12.4684	105	.3490982	.8812028	.2986771	1.5242
51	4,705.9282	62,531.541	1,166.4065	12.2878	106	.2143133	.5321046	.1836525	1.4828
52	4,413.4503	57,825.613	1,140.3019	12.1021	107	.1300275	.3177913	.1114977	1.4440
53	4,136.8602	53,412.163	1,113.5297	11.9113	108	.0780288	.1877638	.0668590	1.4063
54	3,875.2233	49,275.302	1,086.0547	11.7155	109	.0463513	.1097350	.0395982	1.3675

TABLE 4H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,489,277.5	2,570.6326	13.8928	55.....	2,164.4556	24,881.854	536.67058	10.4957
1.....	92,428.037	1,389,277.5	1,540.7261	14.0309	56.....	2,005.8637	22,717.398	519.67859	10.3255
2.....	86,307.919	1,296,849.4	1,467.3019	14.0258	57.....	1,857.5235	20,711.535	502.56314	10.1501
3.....	80,614.016	1,210,541.5	1,419.7116	14.0165	58.....	1,718.7648	18,854.011	485.32462	9.9695
4.....	75,306.299	1,129,927.5	1,385.8085	14.0044	59.....	1,588.9097	17,135.246	467.91209	9.7843
5.....	70,353.678	1,054,621.2	1,359.7680	13.9903	60.....	1,467.3507	15,546.337	450.30044	9.5948
6.....	65,728.746	984,267.52	1,337.4126	13.9747	61.....	1,353.5281	14,078.986	432.47281	9.4017
7.....	61,409.692	918,538.77	1,318.3697	13.9576	62.....	1,246.9663	12,725.458	414.45950	9.2051
8.....	57,375.591	857,129.08	1,301.7260	13.9389	63.....	1,147.2323	11,478.491	396.30274	9.0054
9.....	53,608.106	799,753.49	1,287.7842	13.9185	64.....	1,053.9848	10,331.259	378.10785	8.8021
10.....	50,090.513	746,145.38	1,277.2630	13.8959	65.....	966.90793	9,277.2744	359.98325	8.5948
11.....	46,805.137	696,054.87	1,268.8366	13.8713	66.....	885.68766	8,310.3665	342.01865	8.3830
12.....	43,735.245	649,249.74	1,260.9628	13.8450	67.....	809.97378	7,424.6788	324.24695	8.1666
13.....	40,864.659	605,514.49	1,251.5618	13.8176	68.....	739.41523	6,614.7050	306.67733	7.9459
14.....	38,177.522	564,649.83	1,237.8129	13.7901	69.....	673.64182	5,875.2898	289.27689	7.7217
15.....	35,661.373	526,472.31	1,219.2594	13.7631	70.....	612.33412	5,201.6480	272.03921	7.4948
16.....	33,305.390	490,810.94	1,196.2628	13.7367	71.....	555.20964	4,589.3139	254.97398	7.2659
17.....	31,100.697	457,505.55	1,170.4278	13.7105	72.....	502.05481	4,034.1042	238.14126	7.0352
18.....	29,038.460	426,404.85	1,142.8150	13.6841	73.....	452.68452	3,532.0494	221.61568	6.8025
19.....	27,110.523	397,366.39	1,114.5907	13.6573	74.....	406.93800	3,079.3649	205.48404	6.5672
20.....	25,309.067	370,255.87	1,086.7201	13.6294	75.....	364.64687	2,672.4269	189.81502	6.3288
21.....	23,625.895	344,946.80	1,059.2822	13.6004	76.....	325.62284	2,307.7800	174.64640	6.0873
22.....	22,053.338	321,320.90	1,032.3443	13.5702	77.....	289.65217	1,982.1572	159.97815	5.8432
23.....	20,584.833	299,267.57	1,006.5810	13.5383	78.....	256.52895	1,692.5050	145.80415	5.5977
24.....	19,213.922	278,682.73	982.34093	13.5042	79.....	226.04756	1,435.9761	132.10502	5.3525
25.....	17,934.670	259,468.81	960.07432	13.4674	80.....	198.04513	1,209.9285	118.89074	5.1094
26.....	16,741.092	241,534.14	939.79306	13.4276	81.....	172.38625	1,011.8834	106.18809	4.8699
27.....	15,627.418	224,793.05	921.33092	13.3845	82.....	148.97394	839.49713	94.053390	4.6352
28.....	14,588.268	209,165.63	904.53510	13.3379	83.....	127.72775	690.52319	82.553158	4.4062
29.....	13,618.216	194,577.36	888.85612	13.2880	84.....	108.58530	562.79543	71.766729	4.1830
30.....	12,712.669	180,959.15	874.21972	13.2346	85.....	91.471447	454.21013	61.756585	3.9656
31.....	11,867.217	168,246.48	860.43776	13.1774	86.....	76.271799	362.73868	52.541050	3.7559
32.....	11,077.991	156,379.26	847.57237	13.1162	87.....	62.870772	286.46689	44.129768	3.5564
33.....	10,340.943	145,301.27	835.25198	13.0511	88.....	51.217939	223.59611	36.589975	3.3656
34.....	9,652.5452	134,960.33	823.36473	12.9818	89.....	41.240493	172.37817	29.963236	3.1798
35.....	9,009.4331	125,307.78	811.72755	12.9085	90.....	32.807390	131.13768	24.228109	2.9972
36.....	8,408.4955	116,298.35	800.19211	12.8311	91.....	25.740311	98.330290	19.307307	2.8201
37.....	7,846.8551	107,889.85	788.64025	12.7494	92.....	19.871520	72.589980	15.122462	2.6530
38.....	7,321.8492	100,043.00	776.97997	12.6636	93.....	15.071155	52.718460	11.622103	2.4980
39.....	6,831.1484	92,721.149	765.27870	12.5733	94.....	11.218432	37.647305	8.7553441	2.3558
40.....	6,372.4400	85,890.000	753.46783	12.4784	95.....	8.1903993	26.428873	6.4612271	2.2268
41.....	5,943.5807	79,517.560	741.49718	12.3787	96.....	5.8609579	18.238473	4.6676062	2.1119
42.....	5,542.4168	73,573.980	729.16563	12.2747	97.....	4.1136256	12.377515	3.3037010	2.0089
43.....	5,167.1382	68,031.563	716.47505	12.1662	98.....	2.8332500	8.2638898	2.2924411	1.9168
44.....	4,816.1109	62,864.425	703.48477	12.0529	99.....	1.9160714	5.4306398	1.5606153	1.8343
45.....	4,487.7601	58,048.314	690.20671	11.9348	100....	1.2732026	3.5145684	1.0430970	1.7604
46.....	4,180.5792	53,560.554	676.61760	11.8118	101....	.8319010	2.2413658	.6850891	1.6943
47.....	3,893.1351	49,379.974	662.66932	11.6839	102....	.5349046	1.4094648	.4425160	1.6350
48.....	3,624.0722	45,486.839	648.29746	11.5513	103....	.3387496	.8745602	.2813548	1.5817
49.....	3,372.1145	41,862.767	633.42860	11.4144	104....	.2114715	.5358106	.1762379	1.5337
50.....	3,136.1295	38,490.653	618.04924	11.2733	105....	.1302467	.3243390	.1088477	1.4902
51.....	2,915.2229	35,354.523	602.30997	11.1276	106....	.0792119	.1940923	.0663337	1.4503
52.....	2,708.4873	32,439.300	586.28987	10.9769	107....	.0476101	.1148804	.0399139	1.4129
53.....	2,515.0203	29,730.813	570.01363	10.8213	108....	.0283035	.0672704	.0237221	1.3767
54.....	2,333.9388	27,215.793	553.46621	10.6609	109....	.0166560	.0389668	.0139262	1.3395

TABLE 4I.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,321,560.8	2,106.6096	12.2156	55.....	1,297.6271	13,784.785	276.53183	9.6231
1.....	91,572.222	1,221,560.8	1,086.2393	12.3399	56.....	1,191.4139	12,487.158	266.43918	9.4810
2.....	84,717.024	1,129,988.5	1,014.1685	12.3384	57.....	1,093.0892	11,295.744	256.36732	9.3338
3.....	78,395.408	1,045,271.5	967.88793	12.3333	58.....	1,002.0692	10,202.655	246.31697	9.1816
4.....	72,555.676	966,876.11	935.22317	12.3260	59.....	917.78409	9,200.5856	236.25917	9.0248
5.....	67,156.325	894,320.44	910.36614	12.3170	60.....	839.72145	8,282.8015	226.18054	8.8637
6.....	62,160.640	827,164.11	889.22433	12.3069	61.....	767.41210	7,443.0801	216.07278	8.6989
7.....	57,538.306	765,003.47	871.38192	12.2956	62.....	700.44829	6,675.6680	205.95431	8.5306
8.....	53,260.759	707,465.17	855.93182	12.2830	63.....	638.45862	5,975.2197	195.84969	8.3588
9.....	49,302.696	654,204.41	843.10979	12.2691	64.....	581.13331	5,336.7611	185.81762	8.1834
10.....	45,641.058	604,901.71	833.52315	12.2535	65.....	528.18561	4,755.6277	175.91683	8.0037
11.....	42,252.632	559,260.66	825.91631	12.2361	66.....	479.33822	4,227.4421	166.19430	7.8193
12.....	39,115.765	517,008.02	818.87420	12.2174	67.....	434.30262	3,748.1039	156.66523	7.6302
13.....	36,209.971	477,892.26	810.54400	12.1978	68.....	392.79857	3,313.8013	147.33175	7.4364
14.....	33,515.681	441,682.29	798.47401	12.1784	69.....	354.54435	2,921.0027	138.17372	7.2388
15.....	31,016.900	408,166.61	782.33683	12.1595	70.....	319.29345	2,566.4584	129.18537	7.0379
16.....	28,699.536	377,149.71	762.52047	12.1413	71.....	286.82604	2,247.1649	120.36932	6.8346
17.....	26,551.588	348,450.17	740.46435	12.1235	72.....	256.96426	1,960.3389	111.75391	6.6288
18.....	24,561.448	321,898.58	717.10878	12.1058	73.....	229.54998	1,703.3746	103.37402	6.4205
19.....	22,718.430	297,337.13	693.45702	12.0879	74.....	204.44189	1,473.8246	95.269634	6.2090
20.....	21,012.444	274,618.70	670.31788	12.0693	75.....	181.49897	1,269.3827	87.470555	5.9939
21.....	19,433.398	253,606.26	647.74896	12.0500	76.....	160.57449	1,087.8838	79.990444	5.7749
22.....	17,971.934	234,172.86	625.79641	12.0299	77.....	141.51370	927.30929	72.824064	5.5528
23.....	16,619.879	216,200.93	604.99556	12.0086	78.....	124.17041	785.79559	65.963270	5.3284
24.....	15,369.387	199,581.05	585.60570	11.9856	79.....	108.40307	661.62517	59.393736	5.1034
25.....	14,213.268	184,211.66	567.95937	11.9605	80.....	94.094868	553.22211	53.115392	4.8794
26.....	13,144.509	169,998.39	552.03525	11.9330	81.....	81.145497	459.12724	47.136011	4.6581
27.....	12,156.480	156,853.89	537.67365	11.9029	82.....	69.475572	377.98174	41.476864	4.4405
28.....	11,243.056	144,697.41	524.72925	11.8699	83.....	59.015639	308.50617	36.163269	4.2275
29.....	10,398.265	133,454.35	512.75748	11.8343	84.....	49.706468	249.49053	31.225628	4.0193
30.....	9,616.9508	123,056.08	501.68526	11.7957	85.....	41.484650	199.78406	26.685770	3.8159
31.....	8,894.2548	113,439.13	491.35594	11.7542	86.....	34.270931	158.29941	22.544987	3.6191
32.....	8,225.8680	104,544.88	481.80285	11.7093	87.....	27.987927	124.02848	18.800571	3.4315
33.....	7,607.4808	96,319.011	472.73916	11.6611	88.....	22.589367	96.040554	15.475191	3.2516
34.....	7,035.2996	88,711.530	464.07509	11.6095	89.....	18.020458	73.451187	12.579569	3.0760
35.....	6,505.7630	81,676.231	455.67181	11.5544	90.....	14.202791	55.430729	10.096750	2.9028
36.....	6,015.6020	75,170.468	447.41913	11.4959	91.....	11.040171	41.227939	7.9861889	2.7344
37.....	5,561.8139	69,154.866	439.23123	11.4339	92.....	8.4440953	30.187768	6.2079035	2.5750
38.....	5,141.6395	63,593.052	431.04300	11.3682	93.....	6.3449557	21.743672	4.7342525	2.4269
39.....	4,752.6364	58,451.412	422.90207	11.2987	94.....	4.6792286	15.398717	3.5385221	2.2909
40.....	4,392.4481	53,698.776	414.76098	11.2252	95.....	3.3845987	10.719488	2.5905018	2.1671
41.....	4,058.9068	49,306.328	406.58615	11.1477	96.....	2.3995551	7.3348893	1.8561692	2.0568
42.....	3,749.9037	45,247.421	398.24284	11.0663	97.....	1.6685795	4.9353341	1.3029384	1.9578
43.....	3,463.6263	41,497.517	389.73611	10.9809	98.....	1.1385892	3.2667546	.8965466	1.8691
44.....	3,198.4344	38,033.891	381.10912	10.8914	99.....	.7628759	2.1281653	.6051732	1.7897
45.....	2,952.7769	34,835.456	372.37265	10.7975	100....	.5022266	1.3652895	.4010333	1.7185
46.....	2,725.1943	31,882.680	363.51432	10.6992	101....	.3251127	.8630629	.2611213	1.6547
47.....	2,514.3198	29,157.485	354.50604	10.5966	102....	.2071088	.5379502	.1671998	1.5974
48.....	2,318.8780	26,643.165	345.31015	10.4897	103....	.1299454	.3308414	.1053779	1.5460
49.....	2,137.6835	24,324.287	335.88434	10.3788	104....	.0803701	.2008959	.0654281	1.4996
50.....	1,969.6774	22,186.604	326.22518	10.2641	105....	.0490421	.1205259	.0400535	1.4576
51.....	1,813.9817	20,216.926	316.43151	10.1451	106....	.0295497	.0714838	.0241938	1.4191
52.....	1,669.7365	18,402.945	306.55538	10.0215	107....	.0175963	.0419341	.0144293	1.3831
53.....	1,536.1112	16,733.208	296.61427	9.8932	108....	.0103639	.0243378	.0085003	1.3483
54.....	1,412.3120	15,197.097	286.60110	9.7604	109....	.0060424	.0139739	.0049465	1.3126

**TABLE 4J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,081,939.2	1,641.8934	9.8194	55.....	472.99742	4,359.2009	76.706419	8.2161
1.....	89,907.273	981,939.17	640.07527	9.9217	56.....	426.38567	3,886.2035	73.094439	8.1143
2.....	81,664.410	892,031.90	570.60147	9.9231	57.....	384.08434	3,459.8178	69.555437	8.0080
3.....	74,196.571	810,367.49	526.79965	9.9219	58.....	345.70034	3,075.7335	66.088203	7.8971
4.....	67,421.075	736,170.92	496.44650	9.9190	59.....	310.86632	2,730.0331	62.681484	7.7820
5.....	61,269.209	668,749.84	473.76850	9.9149	60.....	279.25404	2,419.1668	59.329780	7.6630
6.....	55,680.343	607,480.63	454.83075	9.9101	61.....	250.56704	2,139.9128	56.029504	7.5403
7.....	50,602.802	551,800.29	439.13902	9.9045	62.....	224.54451	1,889.3457	52.785800	7.4141
8.....	45,989.206	501,197.49	425.79828	9.8982	63.....	200.95101	1,664.8012	49.605434	7.2846
9.....	41,797.499	455,208.28	414.92810	9.8908	64.....	179.58261	1,463.8502	46.505308	7.1514
10.....	37,989.747	413,410.78	406.94858	9.8822	65.....	160.25299	1,284.2676	43.501380	7.0140
11.....	34,529.917	375,421.04	400.73207	9.8723	66.....	142.78833	1,124.0146	40.605172	6.8719
12.....	31,385.183	340,891.12	395.08172	9.8615	67.....	127.02060	981.22629	37.818203	6.7249
13.....	28,525.423	309,505.94	388.51937	9.8502	68.....	112.79314	854.20569	35.138069	6.5732
14.....	25,922.867	280,980.51	379.18378	9.8391	69.....	99.957279	741.41255	32.556131	6.4173
15.....	23,553.988	255,057.65	366.92933	9.8286	70.....	88.382226	641.45527	30.068104	6.2577
16.....	21,397.942	231,503.66	352.15455	9.8190	71.....	77.951517	553.07305	27.672142	6.0951
17.....	19,436.529	210,105.72	336.00883	9.8098	72.....	68.566154	475.12153	25.373281	5.9294
18.....	17,652.785	190,669.19	319.22274	9.8011	73.....	60.137504	406.55538	23.177917	5.7604
19.....	16,031.297	173,016.40	302.53284	9.7924	74.....	52.585873	346.41787	21.093332	5.5877
20.....	14,557.875	156,985.11	286.50154	9.7835	75.....	45.835759	293.83200	19.123752	5.4105
21.....	13,219.080	142,427.23	271.14960	9.7744	76.....	39.814191	247.99624	17.269071	5.2288
22.....	12,002.684	129,208.15	256.48844	9.7649	77.....	34.450133	208.18205	15.524486	5.0430
23.....	10,897.892	117,205.47	242.84902	9.7549	78.....	29.678477	173.73192	13.884659	4.8538
24.....	9,894.6911	106,307.58	230.36598	9.7439	79.....	25.438771	144.05344	12.342997	4.6628
25.....	8,984.0197	96,412.885	219.21197	9.7316	80.....	21.679615	118.61467	10.896456	4.4713
26.....	8,157.4082	87,428.865	209.32955	9.7177	81.....	18.356130	96.935052	9.5438453	4.2808
27.....	7,407.0750	79,271.457	200.57887	9.7021	82.....	15.430497	78.578922	8.2869510	4.0924
28.....	6,725.9607	71,864.382	192.83511	9.6846	83.....	12.869034	63.148426	7.1282610	3.9070
29.....	6,107.4781	65,138.421	185.80343	9.6654	84.....	10.641989	50.279392	6.0711284	3.7246
30.....	5,545.8677	59,030.943	179.41834	9.6441	85.....	8.7202395	39.637402	5.1168322	3.5454
31.....	5,035.8496	53,485.075	173.56997	9.6209	86.....	7.0729070	30.917163	4.2622487	3.3712
32.....	4,572.7345	48,449.226	168.25943	9.5952	87.....	5.6711854	23.844256	3.5035187	3.2045
33.....	4,152.0845	43,876.491	163.31257	9.5673	88.....	4.4940535	18.173070	2.8419491	3.0438
34.....	3,769.9795	39,724.407	158.66978	9.5370	89.....	3.5199062	13.679017	2.2763521	2.8862
35.....	3,422.8329	35,954.427	154.24862	9.5043	90.....	2.7237674	10.159111	1.8002047	2.7298
36.....	3,107.4033	32,531.594	149.98564	9.4691	91.....	2.0787545	7.4353434	1.4028071	2.5768
37.....	2,820.7595	29,424.191	145.83302	9.4313	92.....	1.5610312	5.3565889	1.0740615	2.4314
38.....	2,560.2495	26,603.432	141.75574	9.3910	93.....	1.1516437	3.7955577	.8065859	2.2958
39.....	2,323.5195	24,043.182	137.77572	9.3477	94.....	.8338633	2.6439140	.5935004	2.1707
40.....	2,108.3828	21,719.662	133.86798	9.3016	95.....	.5921870	1.8100506	.4276298	2.0566
41.....	1,912.8590	19,611.280	130.01539	9.2523	96.....	.4122052	1.2178636	.3014832	1.9545
42.....	1,735.1022	17,698.421	126.15489	9.2002	97.....	.2814237	.8056584	.2081750	1.8628
43.....	1,573.5011	15,963.318	122.29035	9.1451	98.....	.1885437	.5242347	.1408789	1.7804
44.....	1,426.6076	14,389.817	118.44242	9.0867	99.....	.1240309	.3356910	.0935064	1.7065
45.....	1,293.0901	12,963.210	114.61652	9.0250	100....	.0801691	.2116601	.0609201	1.6402
46.....	1,171.7277	11,670.120	110.80778	8.9598	101....	.0509533	.1314911	.0389924	1.5806
47.....	1,061.4043	10,498.392	107.00499	8.8910	102....	.0318690	.0805378	.0245402	1.5272
48.....	961.10155	9,436.9876	103.19358	8.8189	103....	.0196319	.0486689	.0152003	1.4791
49.....	869.89302	8,475.8860	99.357915	8.7436	104....	.0119214	.0290370	.0092745	1.4357
50.....	786.95267	7,605.9930	95.498753	8.6651	105....	.0071422	.0171157	.0055791	1.3964
51.....	711.56976	6,819.0403	91.656993	8.5831	106....	.0042252	.0099735	.0033114	1.3605
52.....	643.07794	6,107.4706	87.853330	8.4972	107....	.0024703	.0057483	.0019406	1.3270
53.....	580.85722	5,464.3926	84.094247	8.4075	108....	.0014285	.0032780	.0011234	1.2947
54.....	524.33453	4,883.5354	80.376761	8.3138	109....	.0008177	.0018495	.0006425	1.2618

TABLE 4K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE POPULATION

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	919,997.66	1,428.8218	8.2000	55.....	175.57602	1,429.2457	22.442550	7.1403
1.....	88,301.786	819,997.66	444.89326	8.2863	56.....	155.44749	1,253.6697	21.125730	7.0649
2.....	78,773.865	731,695.88	377.87851	8.2886	57.....	137.52522	1,098.2222	19.858555	6.9856
3.....	70,292.311	652,922.01	336.38156	8.2887	58.....	121.57107	960.69700	18.639247	6.9023
4.....	62,732.750	582,629.70	308.13911	8.2875	59.....	107.36896	839.12593	17.462613	6.8153
5.....	55,990.660	519,896.95	287.41490	8.2854	60.....	94.728185	731.75697	16.325652	6.7248
6.....	49,974.663	463,906.29	270.41774	8.2828	61.....	83.479213	637.02878	15.226128	6.6310
7.....	44,606.403	413,931.63	256.58547	8.2796	62.....	73.473633	553.54957	14.164750	6.5340
8.....	39,815.595	369,325.23	245.03559	8.2759	63.....	64.579387	480.07594	13.142679	6.4339
9.....	35,540.396	329,509.63	235.79269	8.2714	64.....	56.681674	415.49655	12.164186	6.3304
10.....	31,725.832	293,969.23	229.12886	8.2659	65.....	49.677439	358.81487	11.232987	6.2229
11.....	28,321.537	262,243.40	224.03007	8.2595	66.....	43.473082	309.13744	10.351213	6.1110
12.....	25,282.535	233,921.86	219.47839	8.2523	67.....	37.981888	265.66435	9.5178492	5.9945
13.....	22,568.500	208,639.33	214.28644	8.2447	68.....	33.125293	227.68247	8.7307424	5.8734
14.....	20,143.192	186,070.83	207.03228	8.2374	69.....	28.831427	194.55717	7.9860148	5.7481
15.....	17,975.641	165,927.64	197.68009	8.2307	70.....	25.037520	165.72575	7.2811894	5.6191
16.....	16,038.605	147,951.99	186.60581	8.2247	71.....	21.688305	140.68823	6.6145654	5.4868
17.....	14,308.298	131,913.39	174.72006	8.2194	72.....	18.736372	118.99992	5.9863792	5.3513
18.....	12,763.129	117,605.09	162.58355	8.2144	73.....	16.139711	100.26355	5.3971872	5.2122
19.....	11,383.800	104,841.96	150.73208	8.2098	74.....	13.860986	84.123838	4.8477165	5.0691
20.....	10,152.926	93,458.163	139.55156	8.2050	75.....	11.865994	70.262852	4.3378302	4.9214
21.....	9,054.5972	83,305.237	129.03603	8.2003	76.....	10.123070	58.396858	3.8662629	4.7687
22.....	8,074.5987	74,250.640	119.17298	8.1956	77.....	8.6028018	48.273788	3.4306094	4.6114
23.....	7,200.4513	66,176.041	110.16116	8.1905	78.....	7.2788921	39.670987	3.0284284	4.4501
24.....	6,420.8739	58,975.590	102.06065	8.1850	79.....	6.1276573	32.392094	2.6570749	4.2862
25.....	5,725.8143	52,554.716	94.951823	8.1786	80.....	5.1289039	26.264437	2.3148562	4.1209
26.....	5,106.1482	46,828.902	88.765899	8.1711	81.....	4.2650957	21.135533	2.0005734	3.9555
27.....	4,553.6812	41,722.754	83.386207	8.1624	82.....	3.5212935	16.870438	1.7137458	3.7910
28.....	4,061.1112	37,169.072	78.710552	8.1524	83.....	2.8843167	13.349144	1.4540504	3.6282
29.....	3,621.8222	33,107.961	74.540661	8.1412	84.....	2.3425802	10.464827	1.2213478	3.4672
30.....	3,230.0510	29,486.139	70.821826	8.1287	85.....	1.8852751	8.1222472	1.0150334	3.3083
31.....	2,880.6287	26,256.088	67.476416	8.1147	86.....	1.5018236	6.2369721	.8335757	3.1529
32.....	2,569.0064	23,375.459	64.492907	8.0990	87.....	1.1826861	4.7351485	.6753479	3.0037
33.....	2,291.0262	20,806.453	61.763338	8.0817	88.....	.9204677	3.5524625	.5398458	2.8594
34.....	2,043.0430	18,515.427	59.247300	8.0627	89.....	.7080698	2.6319948	.4260695	2.7171
35.....	1,821.7924	16,472.384	56.894153	8.0419	90.....	.5381330	1.9239250	.3319973	2.5752
36.....	1,624.3719	14,650.591	54.665710	8.0192	91.....	.4033643	1.3857920	.2548857	2.4356
37.....	1,448.2001	13,026.219	52.533722	7.9948	92.....	.2974956	.9824277	.1922346	2.3023
38.....	1,290.9799	11,578.019	50.477795	7.9684	93.....	.2155568	.6849321	.1421704	2.1775
39.....	1,150.6895	10,287.039	48.506745	7.9399	94.....	.1532898	.4693753	.1029987	2.0620
40.....	1,025.5007	9,136.3499	46.606053	7.9092	95.....	.1069182	.3160855	.0730511	1.9563
41.....	913.78521	8,110.8492	44.765645	7.8761	96.....	.0730939	.2091673	.0506822	1.8616
42.....	814.06839	7,197.0640	42.954393	7.8409	97.....	.0490121	.1360734	.0344319	1.7763
43.....	725.06601	6,382.9956	41.173618	7.8033	98.....	.0322499	.0870613	.0229211	1.6996
44.....	645.63891	5,657.9296	39.432165	7.7633	99.....	.0208363	.0548114	.0149628	1.6306
45.....	574.76275	5,012.2907	37.731598	7.7206	100....	.0132274	.0339750	.0095863	1.5685
46.....	511.51832	4,437.5280	36.068891	7.6752	101....	.0082568	.0207477	.0060330	1.5128
47.....	455.08232	3,926.0096	34.438427	7.6270	102....	.0050720	.0124909	.0037329	1.4627
48.....	404.71852	3,470.9273	32.833449	7.5762	103....	.0030687	.0074188	.0022729	1.4176
49.....	359.76947	3,066.2088	31.247097	7.5227	104....	.0018302	.0043501	.0013632	1.3769
50.....	319.65517	2,706.4393	29.679530	7.4667	105....	.0010769	.0025200	.0008060	1.3400
51.....	283.87377	2,386.7842	28.146898	7.4079	106....	.0006257	.0014431	.0004702	1.3064
52.....	251.96839	2,102.9104	26.656560	7.3459	107....	.0003593	.0008174	.0002708	1.2751
53.....	223.52521	1,850.9420	25.209992	7.2807	108....	.0002041	.0004581	.0001541	1.2451
54.....	198.17106	1,627.4168	23.804976	7.2122	109....	.0001147	.0002541	.0000866	1.2146

TABLE 5A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	5,046,532.5	50,034.274	49.4653	55.....	49,929.426	960,366.84	40,420.786	18.2345
1.....	97,791.089	4,946,532.5	48,815.462	49.5827	56.....	48,878.931	910,437.42	39,864.641	17.6264
2.....	96,733.783	4,848,741.4	48,726.385	49.1246	57.....	47,801.174	861,558.49	39,270.835	17.0238
3.....	95,712.811	4,752,007.6	48,663.173	48.6486	58.....	46,694.648	813,757.31	38,637.588	16.4272
4.....	94,714.934	4,656,294.8	48,612.948	48.1611	59.....	45,555.484	767,062.66	37,960.746	15.8380
5.....	93,736.838	4,561,579.9	48,572.624	47.6637	60.....	44,380.513	721,507.18	37,236.820	15.2573
6.....	92,772.555	4,467,843.0	48,536.428	47.1591	61.....	43,166.860	677,126.67	36,462.578	14.6863
7.....	91,820.029	4,375,070.5	48,502.442	46.6483	62.....	41,913.311	633,959.81	35,636.424	14.1255
8.....	90,880.010	4,283,250.5	48,471.532	46.1308	63.....	40,618.978	592,046.49	34,757.075	13.5756
9.....	89,953.214	4,192,370.4	48,444.538	45.6061	64.....	39,285.389	551,427.52	33,825.653	13.0365
10.....	89,041.213	4,102,417.2	48,423.163	45.0732	65.....	37,915.068	512,142.13	32,844.296	12.5076
11.....	88,142.867	4,013,376.0	48,406.413	44.5326	66.....	36,511.835	474,227.06	31,816.460	11.9883
12.....	87,253.584	3,925,233.1	48,389.832	43.9865	67.....	35,077.390	437,715.22	30,743.518	11.4786
13.....	86,365.498	3,837,979.6	48,365.643	43.4388	68.....	33,612.475	402,637.83	29,625.904	10.9788
14.....	85,471.059	3,751,614.1	48,326.308	42.8934	69.....	32,116.553	369,025.36	28,462.779	10.4902
15.....	84,564.727	3,666,143.0	48,266.224	42.3531	70.....	30,588.632	336,908.81	27,252.844	10.0142
16.....	83,647.074	3,581,578.3	48,185.846	41.8177	71.....	29,029.520	306,320.17	25,996.590	9.5520
17.....	82,721.159	3,497,931.2	48,088.120	41.2858	72.....	27,444.106	277,290.65	24,698.597	9.1038
18.....	81,789.932	3,415,210.0	47,975.914	40.7559	73.....	25,840.664	249,846.55	23,366.878	8.6687
19.....	80,857.851	3,333,420.1	47,853.634	40.2257	74.....	24,230.100	224,005.88	22,012.162	8.2449
20.....	79,926.784	3,252,562.3	47,723.140	39.6943	75.....	22,622.037	199,775.78	20,644.001	7.8310
21.....	78,996.943	3,172,635.5	47,584.653	39.1615	76.....	21,021.472	177,153.75	19,267.417	7.4273
22.....	78,069.316	3,093,638.5	47,439.174	38.6268	77.....	19,430.916	156,132.28	17,884.995	7.0353
23.....	77,147.170	3,015,569.2	47,289.992	38.0885	78.....	17,857.205	136,701.36	16,503.668	6.6552
24.....	76,235.917	2,938,422.0	47,142.572	37.5438	79.....	16,308.048	118,844.15	15,131.316	6.2875
25.....	75,338.447	2,862,186.1	46,999.913	36.9910	80.....	14,791.238	102,536.11	13,775.972	5.9322
26.....	74,456.017	2,786,847.7	46,863.408	36.4294	81.....	13,312.261	87,744.869	12,443.442	5.5913
27.....	73,588.346	2,712,391.7	46,732.926	35.8590	82.....	11,877.436	74,432.609	11,140.422	5.2667
28.....	72,734.430	2,638,803.3	46,607.607	35.2800	83.....	10,497.654	62,555.172	9,878.2388	4.9590
29.....	71,893.303	2,566,068.9	46,486.623	34.6927	84.....	9,186.6948	52,057.518	8,671.2164	4.6666
30.....	71,062.615	2,494,175.6	46,367.750	34.0983	85.....	7,956.6782	42,870.823	7,532.1572	4.3880
31.....	70,242.229	2,423,113.0	46,250.954	33.4965	86.....	6,813.8314	34,914.145	6,468.0894	4.1240
32.....	69,432.009	2,352,870.7	46,136.202	32.8874	87.....	5,761.9378	28,100.314	5,483.6594	3.8769
33.....	68,630.448	2,283,438.7	46,022.086	32.2715	88.....	4,809.7348	22,338.376	4,588.5053	3.6444
34.....	67,836.101	2,214,808.3	45,907.249	31.6494	89.....	3,963.3167	17,528.641	3,789.7083	3.4227
35.....	67,046.919	2,146,972.2	45,789.711	31.0219	90.....	3,222.6473	13,565.324	3,088.2798	3.2094
36.....	66,260.943	2,079,925.3	45,667.566	30.3899	91.....	2,582.6487	10,342.677	2,480.1886	3.0047
37.....	65,476.309	2,013,664.3	45,538.981	29.7541	92.....	2,035.7153	7,760.0284	1,958.8259	2.8119
38.....	64,692.538	1,948,188.0	45,403.490	29.1146	93.....	1,574.8778	5,724.3131	1,518.1440	2.6348
39.....	63,908.541	1,883,495.5	45,260.014	28.4717	94.....	1,193.5858	4,149.4353	1,152.4449	2.4764
40.....	63,123.921	1,819,586.9	45,108.152	27.8256	95.....	885.60522	2,955.8495	856.28196	2.3377
41.....	62,335.810	1,756,463.0	44,945.029	27.1774	96.....	643.44919	2,070.2443	622.89430	2.2174
42.....	61,541.491	1,694,127.2	44,767.897	26.5282	97.....	458.69008	1,426.7951	444.50597	2.1106
43.....	60,739.624	1,632,585.7	44,575.351	25.8784	98.....	321.03310	968.10500	311.39048	2.0156
44.....	59,928.960	1,571,846.1	44,366.070	25.2285	99.....	220.76588	647.07191	214.30180	1.9310
45.....	59,108.942	1,511,917.1	44,139.408	24.5785	100....	149.28364	426.30603	145.00536	1.8557
46.....	58,277.906	1,452,808.2	43,893.609	23.9290	101....	99.348999	277.02239	96.548779	1.7884
47.....	57,433.742	1,394,530.3	43,626.454	23.2807	102....	65.126712	177.67339	63.310145	1.7281
48.....	56,572.804	1,337,096.5	43,334.167	22.6350	103....	42.091200	112.54668	40.919453	1.6739
49.....	55,691.725	1,280,523.7	43,013.214	21.9931	104....	26.843350	70.455479	26.088348	1.6247
50.....	54,787.975	1,224,832.0	42,660.868	21.3559	105....	16.907590	43.612129	16.418363	1.5794
51.....	53,862.546	1,170,044.0	42,277.894	20.7228	106....	10.526732	26.704539	10.204907	1.5368
52.....	52,915.952	1,116,181.5	41,864.593	20.0935	107....	6.4838418	16.177806	6.2662420	1.4951
53.....	51,946.699	1,063,265.5	41,419.260	19.4684	108....	3.9540522	9.6939645	3.8006487	1.4517
54.....	50,951.997	1,011,318.8	40,938.882	18.8485	109....	2.3892262	5.7399123	2.2749718	1.4024

**TABLE 5B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,330,031.8	36,009.349	42.3003	55.....	38,053.956	690,650.51	27,847.265	17.1492
1.....	97,309.360	4,230,031.8	34,796.541	42.4699	56.....	37,069.802	652,596.55	27,425.485	16.6045
2.....	95,783.089	4,132,722.5	34,708.340	42.1467	57.....	36,073.847	615,526.75	26,977.361	16.0630
3.....	94,305.292	4,036,939.4	34,646.057	41.8071	58.....	35,065.201	579,452.91	26,501.825	15.5250
4.....	92,862.375	3,942,634.1	34,596.814	41.4567	59.....	34,041.228	544,387.70	25,996.057	14.9920
5.....	91,450.684	3,849,771.7	34,557.473	41.0967	60.....	32,999.869	510,346.48	25,457.770	14.4651
6.....	90,064.057	3,758,321.0	34,522.335	40.7294	61.....	31,939.321	477,346.61	24,884.905	13.9454
7.....	88,700.230	3,668,257.0	34,489.504	40.3557	62.....	30,859.048	445,407.29	24,276.642	13.4336
8.....	87,359.677	3,579,556.7	34,459.791	39.9749	63.....	29,758.764	414,548.24	23,632.403	12.9303
9.....	86,042.827	3,492,197.1	34,433.971	39.5867	64.....	28,639.951	384,789.47	22,953.375	12.4354
10.....	84,750.913	3,406,154.2	34,413.625	39.1902	65.....	27,504.793	356,149.52	22,241.468	11.9486
11.....	83,482.571	3,321,403.3	34,397.761	38.7856	66.....	26,356.367	328,644.73	21,499.516	11.4693
12.....	82,233.212	3,237,920.8	34,382.133	38.3749	67.....	25,196.167	302,288.36	20,728.819	10.9974
13.....	80,995.257	3,155,687.5	34,359.448	37.9614	68.....	24,024.980	277,092.20	19,929.989	10.5335
14.....	79,761.576	3,074,692.3	34,322.741	37.5485	69.....	22,842.667	253,067.22	19,102.725	10.0787
15.....	78,527.040	2,994,930.7	34,266.947	37.1388	70.....	21,648.772	230,224.55	18,246.406	9.6345
16.....	77,292.270	2,916,403.7	34,192.676	36.7322	71.....	20,444.119	208,575.78	17,361.686	9.2022
17.....	76,060.162	2,839,111.4	34,102.818	36.3272	72.....	19,232.377	188,131.66	16,452.074	8.7820
18.....	74,833.458	2,763,051.2	34,000.156	35.9227	73.....	18,019.506	168,899.28	15,523.425	8.3731
19.....	73,616.216	2,688,217.8	33,888.827	35.5167	74.....	16,813.175	150,879.78	14,583.392	7.9739
20.....	72,410.071	2,614,601.6	33,770.606	35.1083	75.....	15,620.019	134,066.60	13,638.707	7.5830
21.....	71,215.126	2,542,191.5	33,645.761	34.6974	76.....	14,443.363	118,446.58	12,692.888	7.2008
22.....	70,032.183	2,470,976.4	33,515.259	34.2834	77.....	13,284.763	104,003.22	11,747.737	6.8288
23.....	68,864.060	2,400,944.2	33,382.094	33.8650	78.....	12,148.687	90,718.456	10,807.987	6.4673
24.....	67,715.421	2,332,080.1	33,251.151	33.4394	79.....	11,040.104	78,569.769	9,878.9421	6.1168
25.....	66,588.610	2,264,364.7	33,125.060	33.0053	80.....	9,963.9387	67,529.665	8,965.9309	5.7774
26.....	65,484.486	2,197,776.1	33,005.004	32.5618	81.....	8,923.4679	57,565.726	8,072.7105	5.4510
27.....	64,402.540	2,132,291.6	32,890.809	32.1088	82.....	7,922.4570	48,642.258	7,203.5735	5.1398
28.....	63,341.643	2,067,889.1	32,781.674	31.6466	83.....	6,967.6253	40,719.801	6,365.8224	4.8441
29.....	62,300.718	2,004,547.4	32,676.832	31.1754	84.....	6,067.4630	33,752.176	5,568.6300	4.5628
30.....	61,277.513	1,942,246.7	32,574.328	30.6959	85.....	5,229.1967	27,684.713	4,820.0306	4.2943
31.....	60,271.717	1,880,969.2	32,474.110	30.2082	86.....	4,456.0484	22,455.516	4,124.1611	4.0393
32.....	59,283.023	1,820,697.5	32,376.132	29.7120	87.....	3,749.5781	17,999.468	3,483.5437	3.8004
33.....	58,309.964	1,761,414.5	32,279.176	29.2078	88.....	3,114.5141	14,249.890	2,903.8922	3.5753
34.....	57,351.153	1,703,104.5	32,182.089	28.6961	89.....	2,553.7788	11,135.376	2,389.1842	3.3604
35.....	56,404.718	1,645,753.3	32,083.207	28.1776	90.....	2,066.2964	8,581.5970	1,939.4424	3.1531
36.....	55,468.899	1,589,348.6	31,980.956	27.6530	91.....	1,647.7849	6,515.3006	1,551.4673	2.9540
37.....	54,542.050	1,533,879.7	31,873.844	27.1229	92.....	1,292.4315	4,867.5157	1,220.4654	2.7662
38.....	53,623.701	1,479,337.7	31,761.536	26.5874	93.....	994.93035	3,575.0842	942.06421	2.5933
39.....	52,712.891	1,425,714.0	31,643.194	26.0468	94.....	750.33432	2,580.1538	712.17159	2.4387
40.....	51,809.241	1,373,001.1	31,518.552	25.5011	95.....	553.98329	1,829.8195	526.90924	2.3030
41.....	50,910.364	1,321,191.8	31,385.329	24.9513	96.....	400.52173	1,275.8362	381.63463	2.1854
42.....	50,014.040	1,270,281.5	31,241.375	24.3985	97.....	284.10999	875.31447	271.14193	2.0809
43.....	49,119.208	1,220,267.4	31,085.666	23.8430	98.....	197.86651	591.20448	189.09712	1.9879
44.....	48,224.899	1,171,148.2	30,917.258	23.2851	99.....	135.39723	393.33797	129.55197	1.9051
45.....	47,330.720	1,122,923.3	30,735.761	22.7250	100....	91.105660	257.94074	87.261345	1.8312
46.....	46,435.400	1,075,592.6	30,539.910	22.1632	101....	60.332591	166.83508	57.834666	1.7653
47.....	45,537.343	1,029,157.2	30,328.091	21.6003	102....	39.355276	106.50249	37.748966	1.7062
48.....	44,633.775	983,619.87	30,097.488	21.0376	103....	25.309902	67.147213	24.285196	1.6530
49.....	43,722.191	938,986.09	29,845.516	20.4762	104....	16.061689	41.837311	15.411021	1.6048
50.....	42,800.794	895,263.90	29,570.260	19.9170	105....	10.066802	25.775623	9.6534988	1.5605
51.....	41,870.562	852,463.11	29,272.552	19.3595	106....	6.2367556	15.708821	5.9722232	1.5187
52.....	40,932.084	810,592.55	28,952.851	18.8034	107....	3.8225475	9.4720655	3.6501838	1.4779
53.....	39,984.395	769,660.46	28,610.070	18.2490	108....	2.3196272	5.6495180	2.2037545	1.4355
54.....	39,025.557	729,676.07	28,242.135	17.6974	109....	1.3947244	3.3298908	1.3131319	1.3875

**TABLE 5C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,760,585.7	26,263.007	36.6059	55.....	29,041.743	498,429.71	19,268.594	16.1625
1.....	96,832.353	3,660,585.7	25,056.144	36.8033	56.....	28,151.984	469,387.96	18,948.280	15.6734
2.....	94,846.340	3,563,753.3	24,968.805	36.5740	57.....	27,261.333	441,235.98	18,609.628	15.1854
3.....	92,925.237	3,468,907.0	24,907.434	36.3301	58.....	26,369.192	413,974.65	18,252.024	14.6992
4.....	91,054.889	3,375,981.8	24,859.150	36.0763	59.....	25,473.674	387,605.45	17,873.548	14.2159
5.....	89,231.113	3,284,926.9	24,820.764	35.8137	60.....	24,573.354	362,131.78	17,472.713	13.7368
6.....	87,447.366	3,195,695.8	24,786.646	35.5442	61.....	23,667.031	337,558.43	17,048.220	13.2628
7.....	85,700.990	3,108,248.4	24,754.925	35.2685	62.....	22,754.458	313,891.39	16,599.707	12.7947
8.....	83,992.012	3,022,547.4	24,726.358	34.9861	63.....	21,835.580	291,136.94	16,126.994	12.3331
9.....	82,320.406	2,938,555.4	24,701.654	34.6966	64.....	20,911.635	269,301.36	15,631.198	11.8781
10.....	80,686.911	2,856,235.0	24,682.285	34.3990	65.....	19,984.347	248,389.72	15,113.942	11.4292
11.....	79,089.785	2,775,548.1	24,667.255	34.0936	66.....	19,056.055	228,405.37	14,577.500	10.9860
12.....	77,524.272	2,696,458.3	24,652.522	33.7821	67.....	18,127.913	209,349.32	14,023.006	10.5485
13.....	75,982.907	2,618,934.0	24,631.241	33.4674	68.....	17,200.546	191,221.41	13,451.088	10.1172
14.....	74,458.779	2,542,951.1	24,596.974	33.1525	69.....	16,273.908	174,020.86	12,861.716	9.6932
15.....	72,946.974	2,468,492.3	24,545.145	32.8395	70.....	15,347.732	157,746.95	12,254.636	9.2782
16.....	71,447.985	2,395,545.4	24,476.489	32.5285	71.....	14,422.655	142,399.22	11,630.495	8.8733
17.....	69,964.389	2,324,097.4	24,393.834	32.2183	72.....	13,501.302	127,976.57	10,991.939	8.4788
18.....	68,498.566	2,254,133.0	24,299.862	31.9077	73.....	12,587.846	114,475.27	10,343.214	8.0941
19.....	67,054.053	2,185,634.4	24,198.457	31.5951	74.....	11,687.568	101,887.42	9,689.7572	7.7176
20.....	65,632.112	2,118,580.4	24,091.302	31.2796	75.....	10,804.927	90,199.851	9,036.2846	7.3480
21.....	64,232.604	2,052,948.3	23,978.698	30.9612	76.....	9,942.0163	79,394.924	8,385.2348	6.9858
22.....	62,856.011	1,988,715.7	23,861.568	30.6392	77.....	9,099.6741	69,452.908	7,737.8341	6.6325
23.....	61,504.607	1,925,859.6	23,742.635	30.3124	78.....	8,280.7034	60,353.234	7,097.2884	6.2884
24.....	60,182.258	1,864,355.0	23,626.258	29.9785	79.....	7,488.1914	52,072.530	6,467.1431	5.9540
25.....	58,890.699	1,804,172.8	23,514.744	29.6360	80.....	6,725.1300	44,584.339	5,850.9090	5.6295
26.....	57,630.323	1,745,282.1	23,409.087	29.2841	81.....	5,993.3436	37,859.209	5,250.9878	5.3169
27.....	56,400.311	1,687,651.8	23,309.082	28.9227	82.....	5,294.9428	31,865.865	4,670.1036	5.0182
28.....	55,199.316	1,631,251.4	23,213.975	28.5520	83.....	4,633.9574	26,570.922	4,112.9406	4.7340
29.....	54,026.060	1,576,052.1	23,123.059	28.1721	84.....	4,015.5058	21,936.965	3,585.3509	4.4631
30.....	52,878.271	1,522,026.1	23,034.604	27.7836	85.....	3,443.7687	17,921.459	3,092.3492	4.2040
31.....	51,755.386	1,469,147.8	22,948.548	27.3864	86.....	2,920.2145	14,477.690	2,636.3199	3.9577
32.....	50,656.852	1,417,392.4	22,864.826	26.9803	87.....	2,445.1930	11,557.476	2,218.5575	3.7266
33.....	49,581.139	1,366,735.6	22,782.384	26.5656	88.....	2,021.0958	9,112.2830	1,842.4053	3.5086
34.....	48,526.811	1,317,154.4	22,700.235	26.1428	89.....	1,649.0953	7,091.1872	1,510.0341	3.3000
35.....	47,492.048	1,268,627.6	22,616.978	25.7124	90.....	1,327.7642	5,442.0919	1,221.0382	3.0987
36.....	46,475.159	1,221,135.6	22,531.306	25.2750	91.....	1,053.6460	4,114.3276	972.95460	2.9048
37.....	45,474.576	1,174,660.4	22,442.001	24.8311	92.....	822.37071	3,060.6816	762.33903	2.7218
38.....	44,489.740	1,129,185.8	22,348.823	24.3808	93.....	629.96821	2,238.3109	586.06145	2.5531
39.....	43,519.689	1,084,696.1	22,251.120	23.9243	94.....	472.76644	1,608.3427	441.21199	2.4020
40.....	42,563.962	1,041,176.4	22,148.721	23.4615	95.....	347.33965	1,135.5763	325.05513	2.2694
41.....	41,620.461	998,612.44	22,039.807	22.9933	96.....	249.89045	788.23663	234.41651	2.1543
42.....	40,687.265	956,991.98	21,922.698	22.5207	97.....	176.39081	538.34619	165.81669	2.0520
43.....	39,763.425	916,304.71	21,796.648	22.0439	98.....	122.24402	361.95538	115.12854	1.9609
44.....	38,848.087	876,541.29	21,660.984	21.5633	99.....	83.239785	239.71137	78.521250	1.8798
45.....	37,940.869	837,693.20	21,515.494	21.0789	100....	55.735565	156.47158	52.649182	1.8074
46.....	37,040.704	799,752.33	21,359.267	20.5912	101....	36.728644	100.73602	34.735116	1.7427
47.....	36,146.280	762,711.63	21,191.131	20.1007	102....	23.840851	64.007373	22.567492	1.6848
48.....	35,255.380	726,565.35	21,008.982	19.6086	103....	15.257210	40.166521	14.451318	1.6326
49.....	34,366.046	691,309.97	20,810.930	19.1161	104....	9.6347784	24.909312	9.1280479	1.5854
50.....	33,476.909	656,943.92	20,595.637	18.6238	105....	6.0090791	15.274533	5.6912658	1.5419
51.....	32,588.786	623,467.01	20,363.924	18.1313	106....	3.7045972	9.2654542	3.5046091	1.5011
52.....	31,702.179	590,878.23	20,116.313	17.6384	107....	2.2594411	5.5608569	2.1320921	1.4612
53.....	30,816.383	559,176.05	19,852.129	17.1454	108....	1.3643702	3.3014158	1.2813239	1.4197
54.....	29,929.959	528,359.67	19,569.947	16.6532	109....	.8163348	1.9370457	.7600409	1.3729



TABLE 5D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES WHITE MALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,931,068.2	14,629.075	28.3107	55.....	16,981.841	262,232.53	9,343.9946	14.4419
1.....	95,892.233	2,831,068.2	13,433.929	28.5234	56.....	16,301.743	245,250.68	9,158.5133	14.0444
2.....	93,013.604	2,735,176.0	13,348.278	28.4062	57.....	15,632.739	228,948.94	8,964.3169	13.6455
3.....	90,244.869	2,642,162.4	13,288.677	28.2777	58.....	14,974.342	213,316.20	8,761.2430	13.2454
4.....	87,569.941	2,551,917.5	13,242.240	28.1415	59.....	14,325.357	198,341.86	8,548.4038	12.8455
5.....	84,982.802	2,464,347.6	13,205.682	27.9982	60.....	13,684.888	184,016.50	8,325.1786	12.4467
6.....	82,475.397	2,379,364.8	13,173.504	27.8494	61.....	13,052.195	170,331.61	8,091.0740	12.0500
7.....	80,043.574	2,296,889.4	13,143.877	27.6955	62.....	12,427.083	157,279.42	7,846.1236	11.6562
8.....	77,685.785	2,216,845.8	13,117.455	27.5361	63.....	11,809.469	144,852.34	7,590.4635	11.2658
9.....	75,400.465	2,139,160.0	13,094.828	27.3706	64.....	11,199.963	133,042.87	7,324.9224	10.8789
10.....	73,186.766	2,063,759.6	13,077.259	27.1985	65.....	10,599.406	121,842.90	7,050.5777	10.4953
11.....	71,041.613	1,990,572.8	13,063.758	27.0198	66.....	10,008.926	111,243.50	6,768.8187	10.1144
12.....	68,959.335	1,919,531.2	13,050.654	26.8357	67.....	9,428.9918	101,234.57	6,480.4062	9.7365
13.....	66,932.064	1,850,571.8	13,031.907	26.6485	68.....	8,859.7736	91,805.579	6,185.8188	9.3621
14.....	64,952.694	1,783,639.8	13,002.015	26.4606	69.....	8,301.0918	82,945.806	5,885.1886	8.9922
15.....	63,016.095	1,718,687.1	12,957.242	26.2738	70.....	7,752.6556	74,644.714	5,578.5318	8.6283
16.....	61,121.941	1,655,671.0	12,898.509	26.0880	71.....	7,214.6363	66,892.058	5,266.3181	8.2717
17.....	59,271.668	1,594,549.0	12,828.486	25.9024	72.....	6,688.1780	59,677.422	4,949.9948	7.9228
18.....	57,466.471	1,535,277.4	12,749.648	25.7161	73.....	6,175.1363	52,989.244	4,631.7544	7.5811
19.....	55,708.444	1,477,810.9	12,665.401	25.5276	74.....	5,677.8280	46,814.108	4,314.3044	7.2451
20.....	53,997.708	1,422,102.5	12,577.242	25.3363	75.....	5,198.0791	41,136.280	3,999.9291	6.9137
21.....	52,333.215	1,368,104.8	12,485.498	25.1422	76.....	4,736.5099	35,938.201	3,689.7603	6.5875
22.....	50,714.442	1,315,771.5	12,390.993	24.9447	77.....	4,293.1174	31,201.691	3,384.3244	6.2678
23.....	49,142.294	1,265,057.1	12,295.965	24.7427	78.....	3,868.8073	26,908.573	3,085.0566	5.9553
24.....	47,618.883	1,215,914.8	12,203.883	24.5343	79.....	3,464.5733	23,039.766	2,793.5062	5.6501
25.....	46,144.547	1,168,295.9	12,116.505	24.3182	80.....	3,081.3175	19,575.193	2,511.1603	5.3529
26.....	44,718.546	1,122,151.4	12,034.520	24.0936	81.....	2,719.3674	16,493.875	2,238.9574	5.0653
27.....	43,339.218	1,077,432.8	11,957.673	23.8605	82.....	2,379.1560	13,774.508	1,977.9509	4.7897
28.....	42,004.538	1,034,093.6	11,885.301	23.6186	83.....	2,061.9429	11,395.352	1,730.0336	4.5265
29.....	40,712.593	992,089.07	11,816.789	23.3681	84.....	1,769.4073	9,333.4088	1,497.5545	4.2749
30.....	39,460.779	951,376.48	11,750.779	23.1094	85.....	1,502.7422	7,564.0015	1,282.4255	4.0335
31.....	38,247.839	911,915.70	11,687.182	22.8423	86.....	1,261.9095	6,061.2593	1,085.3620	3.8032
32.....	37,072.554	873,667.86	11,625.911	22.5664	87.....	1,046.3802	4,799.3499	906.58745	3.5866
33.....	35,933.023	836,595.31	11,566.163	22.2821	88.....	856.49779	3,752.9696	747.18209	3.3818
34.....	34,827.472	800,662.29	11,507.205	21.9894	89.....	692.06684	2,896.4718	607.69768	3.1852
35.....	33,753.906	765,834.81	11,448.032	21.6888	90.....	551.80572	2,204.4050	487.59385	2.9949
36.....	32,710.485	732,080.91	11,387.734	21.3806	91.....	433.63358	1,652.5993	385.49372	2.8110
37.....	31,695.507	699,370.42	11,325.489	21.0653	92.....	335.15608	1,218.9657	299.65532	2.6369
38.....	30,708.023	667,674.92	11,261.175	20.7427	93.....	254.25688	883.80061	228.50921	2.4760
39.....	29,746.832	636,966.89	11,194.392	20.4129	94.....	188.95729	629.54373	170.61516	2.3317
40.....	28,811.106	607,220.06	11,125.079	20.0759	95.....	137.47836	440.58644	124.63984	2.2048
41.....	27,898.941	578,408.95	11,052.072	19.7323	96.....	97.947322	303.10808	89.113026	2.0946
42.....	27,008.613	550,510.01	10,974.334	19.3828	97.....	68.467080	205.16076	62.485619	1.9965
43.....	26,139.093	523,501.40	10,891.473	19.0275	98.....	46.989024	136.69368	43.001749	1.9091
44.....	25,289.445	497,362.31	10,803.159	18.6668	99.....	31.685657	89.704654	29.066994	1.8311
45.....	24,459.068	472,072.86	10,709.367	18.3005	100....	21.010051	58.018998	19.314272	1.7615
46.....	23,646.932	447,613.80	10,609.631	17.9290	101....	13.710792	37.008946	12.626956	1.6993
47.....	22,851.890	423,966.86	10,503.334	17.5528	102....	8.8133772	23.298154	8.1288847	1.6435
48.....	22,072.263	401,114.97	10,389.297	17.1728	103....	5.5854564	14.484777	5.1576642	1.5933
49.....	21,306.591	379,042.71	10,266.506	16.7899	104....	3.4929167	8.8993206	3.2278077	1.5478
50.....	20,553.827	357,736.12	10,134.323	16.4048	105....	2.1573339	5.4064039	1.9939603	1.5061
51.....	19,814.289	337,182.29	9,993.4391	16.0171	106....	1.3170837	3.2490701	1.2165452	1.4669
52.....	19,088.085	317,368.01	9,844.3510	15.6265	107....	.7954930	1.9319863	.7333161	1.4287
53.....	18,374.599	298,279.92	9,686.8280	15.2333	108....	.4756971	1.1364933	.4366899	1.3891
54.....	17,672.796	279,905.32	9,520.2078	14.8382	109....	.2818575	.6607962	.2567055	1.3444

**TABLE 5E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,372,354.1	8,755.6093	22.7235	55.....	9,981.5611	139,744.23	4,606.7812	13.0002
1.....	94,970.192	2,272,354.1	7,571.9554	22.9270	56.....	9,489.6813	129,762.67	4,498.8076	12.6741
2.....	91,233.481	2,177,383.9	7,487.9433	22.8661	57.....	9,012.7336	120,272.98	4,386.8476	12.3448
3.....	87,666.602	2,086,150.4	7,430.0452	22.7964	58.....	8,550.1377	111,260.25	4,270.8953	12.0127
4.....	84,250.134	1,998,483.8	7,385.3689	22.7208	59.....	8,100.9266	102,710.11	4,150.5357	11.6788
5.....	80,974.910	1,914,233.7	7,350.5347	22.6398	60.....	7,664.3334	94,609.187	4,025.5166	11.3441
6.....	77,830.125	1,833,258.8	7,320.1691	22.5546	61.....	7,239.6998	86,944.854	3,895.6651	11.0095
7.....	74,808.969	1,755,428.7	7,292.4796	22.4655	62.....	6,826.6889	79,705.154	3,761.1041	10.6755
8.....	71,907.244	1,680,619.7	7,268.0228	22.3720	63.....	6,425.0301	72,878.465	3,622.0103	10.3429
9.....	69,120.838	1,608,712.5	7,247.2803	22.2739	64.....	6,034.8331	66,453.435	3,478.9299	10.0116
10.....	66,446.393	1,539,591.6	7,231.3293	22.1704	65.....	5,656.3214	60,418.602	3,332.5271	9.6816
11.....	63,878.624	1,473,145.2	7,219.1901	22.0616	66.....	5,289.8571	54,762.280	3,183.6136	9.3523
12.....	61,410.083	1,409,266.6	7,207.5200	21.9485	67.....	4,935.4366	49,472.423	3,032.6492	9.0239
13.....	59,031.624	1,347,856.5	7,190.9865	21.8328	68.....	4,592.8984	44,536.987	2,879.9354	8.6969
14.....	56,735.066	1,288,824.9	7,164.8763	21.7165	69.....	4,261.9005	39,944.088	2,725.5875	8.3724
15.....	54,514.216	1,232,089.8	7,126.1437	21.6013	70.....	3,942.0531	35,682.188	2,569.6593	8.0517
16.....	52,367.194	1,177,575.6	7,075.8229	21.4869	71.....	3,633.2084	31,740.135	2,412.4321	7.7361
17.....	50,293.655	1,125,208.4	7,016.4063	21.3728	72.....	3,335.7045	28,106.926	2,254.6670	7.4261
18.....	48,293.031	1,074,914.8	6,950.1541	21.2582	73.....	3,050.2131	24,771.222	2,097.4719	7.1211
19.....	46,365.489	1,026,621.7	6,880.0363	21.1419	74.....	2,777.6003	21,721.009	1,942.1750	6.8201
20.....	44,509.532	980,256.24	6,807.3673	21.0235	75.....	2,518.4556	18,943.408	1,789.8610	6.5218
21.....	42,722.731	935,746.71	6,732.4715	20.9028	76.....	2,272.7608	16,424.953	1,641.0300	6.2269
22.....	41,003.141	893,023.98	6,656.0635	20.7794	77.....	2,040.1962	14,152.192	1,495.8792	5.9367
23.....	39,350.005	852,020.83	6,579.9712	20.6524	78.....	1,820.8751	12,111.996	1,355.0272	5.6517
24.....	37,763.519	812,670.83	6,506.9466	20.5200	79.....	1,614.9412	10,291.121	1,219.1269	5.3724
25.....	36,242.448	774,907.31	6,438.3187	20.3812	80.....	1,422.4836	8,676.1794	1,088.7825	5.0993
26.....	34,784.735	738,664.86	6,374.5459	20.2353	81.....	1,243.3191	7,253.6957	964.32887	4.8341
27.....	33,387.659	703,880.13	6,315.3450	20.0820	82.....	1,077.3121	6,010.3766	846.14183	4.5790
28.....	32,048.301	670,492.47	6,260.1269	19.9213	83.....	924.69633	4,933.0645	734.96115	4.3348
29.....	30,763.903	638,444.17	6,208.3566	19.7530	84.....	785.87629	4,008.3682	631.70636	4.1005
30.....	29,531.277	607,680.26	6,158.9569	19.5775	85.....	661.02019	3,222.4919	537.07627	3.8750
31.....	28,348.322	578,148.99	6,111.8204	19.3945	86.....	549.74634	2,561.4717	451.22627	3.6594
32.....	27,213.026	549,800.67	6,066.8447	19.2036	87.....	451.46861	2,011.7254	374.09263	3.4560
33.....	26,122.935	522,587.64	6,023.4085	19.0049	88.....	365.98911	1,560.2568	305.97731	3.2631
34.....	25,075.757	496,464.70	5,980.9588	18.7986	89.....	292.88278	1,194.2677	246.94749	3.0776
35.....	24,069.110	471,388.95	5,938.7640	18.5848	90.....	231.27883	901.38487	196.60826	2.8974
36.....	23,100.791	447,319.84	5,896.1802	18.3638	91.....	180.00165	670.10604	154.22641	2.7228
37.....	22,168.763	424,219.05	5,852.6441	18.1359	92.....	137.78953	490.10439	118.93744	2.5569
38.....	21,271.568	402,050.28	5,808.0934	17.9008	93.....	103.52233	352.31486	89.969837	2.4033
39.....	20,407.615	380,778.71	5,762.2777	17.6587	94.....	76.195424	248.79253	66.624555	2.2652
40.....	19,575.612	360,371.10	5,715.1832	17.4092	95.....	54.903931	172.59710	48.263656	2.1436
41.....	18,773.577	340,795.49	5,666.0559	17.1529	96.....	38.740531	117.69317	34.211945	2.0380
42.....	17,999.708	322,021.91	5,614.2481	16.8904	97.....	26.819995	78.952642	23.781430	1.9438
43.....	17,252.720	304,022.20	5,559.5567	16.6217	98.....	18.229602	52.132647	16.222575	1.8598
44.....	16,531.424	286,769.48	5,501.8264	16.3469	99.....	12.174394	33.903045	10.868506	1.7848
45.....	15,834.879	270,238.06	5,441.1052	16.0660	100....	7.9949482	21.728651	7.1573055	1.7178
46.....	15,161.896	254,403.18	5,377.1567	15.7791	101....	5.1671965	13.733703	4.6370519	1.6579
47.....	14,511.247	239,241.28	5,309.6571	15.4866	102....	3.2895665	8.5665060	2.9581602	1.6041
48.....	13,881.403	224,730.04	5,237.9380	15.1893	103....	2.0647090	5.2769395	1.8598245	1.5558
49.....	13,271.022	210,848.63	5,161.4568	14.8879	104....	1.2787696	3.2122305	1.1532970	1.5120
50.....	12,679.057	197,577.61	5,079.9166	14.5830	105....	.7822135	1.9334609	.7059243	1.4718
51.....	12,105.330	184,898.56	4,993.8453	14.2741	106....	.4729609	1.1512473	.4267568	1.4341
52.....	11,549.533	172,793.23	4,903.6373	13.9611	107....	.2829125	.6782864	.2548992	1.3975
53.....	11,010.925	161,243.69	4,809.2421	13.6440	108....	.1675522	.3953740	.1504202	1.3597
54.....	10,488.541	150,232.77	4,710.3555	13.3235	109....	.0983225	.2278218	.0876348	1.3171

**TABLE 5F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,980,588.2	5,686.2779	18.8059	55.....	5,896.8582	75,372.964	2,307.6688	11.7819
1.....	94,065.714	1,880,588.2	4,513.8970	18.9923	56.....	5,552.8748	69,476.106	2,244.4881	11.5117
2.....	89,503.975	1,786,522.4	4,431.4775	18.9603	57.....	5,223.5629	63,923.231	2,179.5988	11.2375
3.....	85,185.621	1,697,018.5	4,375.2178	18.9214	58.....	4,908.2587	58,699.668	2,113.0357	10.9594
4.....	81,086.165	1,611,832.8	4,332.2194	18.8780	59.....	4,606.0969	53,791.410	2,044.6006	10.6783
5.....	77,191.712	1,530,746.7	4,299.0127	18.8305	60.....	4,316.3515	49,185.313	1,974.1931	10.3951
6.....	73,487.245	1,453,555.0	4,270.3414	18.7797	61.....	4,038.3784	44,868.961	1,901.7606	10.1106
7.....	69,961.957	1,380,067.7	4,244.4459	18.7260	62.....	3,771.7301	40,830.583	1,827.4160	9.8254
8.....	66,607.781	1,310,105.8	4,221.7916	18.6690	63.....	3,516.0068	37,058.853	1,751.2989	9.5400
9.....	63,416.951	1,243,498.0	4,202.7608	18.6083	64.....	3,271.0248	33,542.846	1,673.7458	9.2545
10.....	60,382.601	1,180,081.0	4,188.2655	18.5434	65.....	3,036.6637	30,271.821	1,595.1477	8.9688
11.....	57,496.313	1,119,698.4	4,177.3391	18.4743	66.....	2,812.8760	27,235.158	1,515.9631	8.6823
12.....	54,747.989	1,062,202.1	4,166.9350	18.4017	67.....	2,599.4189	24,422.282	1,436.4525	8.3953
13.....	52,126.342	1,007,454.1	4,152.3356	18.3272	68.....	2,395.9711	21,822.863	1,356.7865	8.1081
14.....	49,621.299	955,327.78	4,129.4993	18.2524	69.....	2,202.1256	19,426.892	1,277.0349	7.8219
15.....	47,224.827	905,706.49	4,095.9458	18.1786	70.....	2,017.4616	17,224.766	1,197.2340	7.5378
16.....	44,932.848	858,481.66	4,052.7688	18.1059	71.....	1,841.6927	15,207.304	1,117.5347	7.2572
17.....	42,742.693	813,548.81	4,002.2729	18.0336	72.....	1,674.7827	13,365.612	1,038.3244	6.9805
18.....	40,651.558	770,806.12	3,946.5038	17.9613	73.....	1,516.8587	11,690.829	960.15190	6.7073
19.....	38,657.308	730,154.56	3,888.0430	17.8879	74.....	1,368.1343	10,173.970	883.65889	6.4364
20.....	36,756.473	691,497.25	3,828.0321	17.8129	75.....	1,228.6758	8,805.8360	809.34965	6.1669
21.....	34,944.904	654,740.78	3,766.7714	17.7364	76.....	1,098.2489	7,577.1602	737.43116	5.8993
22.....	33,218.959	619,795.87	3,704.8690	17.6579	77.....	976.47929	6,478.9113	667.95907	5.6350
23.....	31,576.044	586,576.91	3,643.8093	17.5766	78.....	863.20769	5,502.4320	601.18648	5.3744
24.....	30,014.383	555,000.87	3,585.7696	17.4912	79.....	758.29096	4,639.2243	537.37488	5.1180
25.....	28,531.101	524,986.49	3,531.7437	17.4005	80.....	661.56192	3,880.9333	476.75494	4.8663
26.....	27,122.751	496,455.39	3,482.0180	17.3040	81.....	572.72991	3,219.3714	419.42587	4.6211
27.....	25,785.471	469,332.64	3,436.2968	17.2014	82.....	491.53317	2,646.6415	365.50199	4.3845
28.....	24,515.352	443,547.16	3,394.0578	17.0926	83.....	417.88278	2,155.1083	315.25793	4.1572
29.....	23,308.730	419,031.81	3,354.8332	16.9775	84.....	351.76576	1,737.2256	269.04010	3.9386
30.....	22,161.718	395,723.08	3,317.7612	16.8562	85.....	293.06108	1,385.4598	227.08617	3.7275
31.....	21,071.362	373,561.37	3,282.7246	16.7284	86.....	241.40697	1,092.3987	189.38735	3.5251
32.....	20,034.851	352,490.00	3,249.6125	16.5938	87.....	196.36273	850.99175	155.83868	3.3338
33.....	19,049.137	332,455.15	3,217.9383	16.4525	88.....	157.66805	654.62902	126.49461	3.1519
34.....	18,111.375	313,406.02	3,187.2783	16.3044	89.....	124.97220	496.96096	101.30676	2.9766
35.....	17,218.743	295,294.64	3,157.0927	16.1496	90.....	97.746115	371.98876	80.031730	2.8057
36.....	16,368.629	278,075.90	3,126.9189	15.9883	91.....	75.350153	274.24265	62.290345	2.6396
37.....	15,558.616	261,707.27	3,096.3641	15.8207	92.....	57.130486	198.89249	47.658781	2.4814
38.....	14,786.760	246,148.65	3,065.3950	15.6466	93.....	42.513787	141.76201	35.762581	2.3345
39.....	14,051.084	231,361.89	3,033.8500	15.4658	94.....	30.993361	99.248219	26.266621	2.2022
40.....	13,349.868	217,310.81	3,001.7332	15.2781	95.....	22.120109	68.254858	18.869243	2.0856
41.....	12,680.976	203,960.94	2,968.5492	15.0840	96.....	15.459428	46.134749	13.261901	1.9842
42.....	12,042.458	191,279.97	2,933.8879	14.8838	97.....	10.600604	30.675321	9.1392396	1.8937
43.....	11,432.766	179,237.51	2,897.6458	14.6775	98.....	7.1366292	20.074717	6.1800558	1.8129
44.....	10,850.457	167,804.74	2,859.7544	14.4652	99.....	4.7207103	12.938088	4.1039764	1.7407
45.....	10,294.294	156,954.28	2,820.2794	14.2467	100....	3.0705748	8.2173775	2.6786366	1.6762
46.....	9,762.9120	146,659.99	2,779.1022	14.0222	101....	1.9656357	5.1468027	1.7199154	1.6184
47.....	9,254.9616	136,897.08	2,736.0524	13.7918	102....	1.2394550	3.1811670	1.0873364	1.5666
48.....	8,768.9439	127,642.12	2,690.7472	13.5562	103....	.7705397	1.9417119	.6774427	1.5199
49.....	8,303.5218	118,873.17	2,642.8938	13.3160	104....	.4726857	1.1711723	.4162812	1.4777
50.....	7,857.5831	110,569.65	2,592.3609	13.0717	105....	.2863845	.6984865	.2524888	1.4390
51.....	7,430.5796	102,712.07	2,539.5280	12.8229	106....	.1715116	.4121020	.1512532	1.4028
52.....	7,021.8977	95,281.489	2,484.6833	12.5692	107....	.1016165	.2405904	.0895254	1.3676
53.....	6,630.6777	88,259.592	2,427.8394	12.3108	108....	.0596083	.1389739	.0523560	1.3315
54.....	6,255.9497	81,628.914	2,368.8579	12.0482	109....	.0346460	.0793656	.0302322	1.2908

**TABLE 5G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,695,657.8	4,019.3680	15.9566	55.....	3,501.1405	41,117.196	1,173.7518	10.7439
1.....	93,178.302	1,595,657.8	2,858.0473	16.1248	56.....	3,265.8044	37,616.056	1,136.5935	10.5182
2.....	87,823.187	1,502,479.5	2,777.1755	16.1080	57.....	3,043.1443	34,350.251	1,098.7903	10.2877
3.....	82,797.381	1,414,656.3	2,722.4932	16.0858	58.....	2,832.4784	31,307.107	1,060.3778	10.0529
4.....	78,069.338	1,331,859.0	2,681.0945	16.0599	59.....	2,633.0291	28,474.629	1,021.2575	9.8144
5.....	73,618.649	1,253,789.6	2,649.4249	16.0309	60.....	2,444.1217	25,841.600	981.38945	9.5730
6.....	69,424.469	1,180,171.0	2,622.3388	15.9994	61.....	2,265.1474	23,397.478	940.76169	9.3293
7.....	65,470.549	1,110,746.5	2,598.1057	15.9656	62.....	2,095.6247	21,132.330	899.45481	9.0840
8.....	61,743.669	1,045,276.0	2,577.1057	15.9293	63.....	1,935.1117	19,036.706	857.56208	8.8375
9.....	58,231.270	983,532.28	2,559.6311	15.8901	64.....	1,783.2967	17,101.594	815.28172	8.5899
10.....	54,921.976	925,301.01	2,546.4466	15.8476	65.....	1,639.9095	15,318.297	772.83589	8.3409
11.....	51,803.340	870,379.04	2,536.6021	15.8016	66.....	1,504.7253	13,678.388	730.47672	8.0903
12.....	48,861.790	818,575.70	2,527.3166	15.7529	67.....	1,377.4199	12,173.663	688.34441	7.8380
13.....	46,083.122	769,713.91	2,514.4097	15.7027	68.....	1,257.6363	10,796.243	646.52802	7.5846
14.....	43,454.645	723,630.79	2,494.4114	15.6526	69.....	1,144.9829	9,538.6064	605.06162	7.3308
15.....	40,965.841	680,176.14	2,465.3050	15.6035	70.....	1,039.0720	8,393.6234	563.96105	7.0780
16.....	38,609.919	639,210.30	2,428.2038	15.5556	71.....	939.59558	7,354.5514	523.30001	6.8274
17.....	36,381.471	600,600.38	2,385.2230	15.5084	72.....	846.38061	6,414.9558	483.26969	6.5793
18.....	34,275.121	564,218.91	2,338.2017	15.4615	73.....	759.33915	5,568.5752	444.13656	6.3334
19.....	32,286.194	529,943.79	2,289.3758	15.4139	74.....	678.42654	4,809.2361	406.20542	6.0888
20.....	30,409.026	497,657.59	2,239.7281	15.3655	75.....	603.52441	4,130.8095	369.70480	5.8445
21.....	28,637.557	467,248.57	2,189.5246	15.3159	76.....	534.36963	3,527.2851	334.71177	5.6008
22.....	26,966.312	438,611.01	2,139.2738	15.2651	77.....	470.63849	2,992.9155	301.22796	5.3593
23.....	25,390.818	411,644.70	2,090.1747	15.2123	78.....	412.11947	2,522.2770	269.34887	5.1203
24.....	23,907.372	386,253.88	2,043.9443	15.1563	79.....	358.61393	2,110.1575	239.17084	4.8842
25.....	22,511.497	362,346.51	2,001.3170	15.0961	80.....	309.91686	1,751.5436	210.77267	4.6517
26.....	21,198.397	339,835.01	1,962.4528	15.0312	81.....	265.77125	1,441.6267	184.16953	4.4243
27.....	19,963.090	318,636.61	1,927.0555	14.9613	82.....	225.94066	1,175.8555	159.38260	4.2043
28.....	18,800.711	298,673.52	1,894.6625	14.8863	83.....	190.27401	949.91483	136.50504	3.9924
29.....	17,706.723	279,872.81	1,864.8652	14.8060	84.....	158.65801	759.64081	115.65926	3.7879
30.....	16,676.559	262,166.09	1,836.9687	14.7206	85.....	130.93327	600.98280	96.915166	3.5900
31.....	15,706.487	245,489.53	1,810.8526	14.6298	86.....	106.83784	470.04953	80.231056	3.3997
32.....	14,792.991	229,783.04	1,786.4038	14.5332	87.....	86.083081	363.21169	65.523718	3.2193
33.....	13,932.486	214,990.05	1,763.2374	14.4308	88.....	68.467722	277.12861	52.780985	3.0476
34.....	13,121.642	201,057.57	1,741.0243	14.3226	89.....	53.757496	208.66088	41.946291	2.8815
35.....	12,357.244	187,935.93	1,719.3612	14.2086	90.....	41.649381	154.90339	32.881053	2.7192
36.....	11,636.327	175,578.68	1,697.9109	14.0888	91.....	31.803624	113.25401	25.392809	2.5610
37.....	10,956.151	163,942.35	1,676.3947	13.9635	92.....	23.886022	81.450382	19.275412	2.4100
38.....	10,314.389	152,986.20	1,654.7925	13.8323	93.....	17.607153	57.564360	14.348582	2.2694
39.....	9,708.7593	142,671.81	1,632.9960	13.6952	94.....	12.714856	39.957207	10.452916	2.1426
40.....	9,137.2248	132,963.06	1,611.0139	13.5518	95.....	8.9890434	27.242351	7.4468122	2.0306
41.....	8,597.5252	123,825.83	1,588.5157	13.4025	96.....	6.2230469	18.253308	5.1896295	1.9332
42.....	8,087.5946	115,228.31	1,565.2375	13.2475	97.....	4.2269165	12.030261	3.5457471	1.8461
43.....	7,605.6960	107,140.71	1,541.1273	13.0869	98.....	2.8188349	7.8033442	2.3769249	1.7683
44.....	7,150.2153	99,535.015	1,516.1576	12.9206	99.....	1.8470017	4.9845093	1.5646484	1.6987
45.....	6,719.7184	92,384.799	1,490.3899	12.7483	100....	1.1900441	3.1375076	1.0122380	1.6365
46.....	6,312.7316	85,665.081	1,463.7646	12.5702	101....	.7546227	1.9474635	.6441776	1.5807
47.....	5,927.8337	79,352.349	1,436.1910	12.3864	102....	.4713473	1.1928408	.4036167	1.5307
48.....	5,563.5515	73,424.516	1,407.4466	12.1974	103....	.2902610	.7214935	.2492105	1.4857
49.....	5,218.5588	67,860.964	1,377.3720	12.0038	104....	.1763801	.4312325	.1517594	1.4449
50.....	4,891.7097	62,642.405	1,345.9129	11.8058	105....	.1058547	.2548524	.0912178	1.4076
51.....	4,582.2398	57,750.696	1,313.3323	11.6032	106....	.0627968	.1489977	.0541517	1.3727
52.....	4,289.3655	53,168.456	1,279.8301	11.3954	107....	.0368546	.0862009	.0317640	1.3389
53.....	4,012.1754	48,879.090	1,245.4342	11.1827	108....	.0214150	.0493463	.0184105	1.3043
54.....	3,749.7186	44,866.915	1,210.0817	10.9654	109....	.0123296	.0279313	.0105373	1.2654

**TABLE 5H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,481,575.1	3,074.5245	13.8158	55.....	2,088.9323	22,671.054	605.77912	9.8529
1.....	92,307.477	1,381,575.1	1,924.0572	13.9671	56.....	1,930.3101	20,582.122	583.81605	9.6626
2.....	86,189.303	1,289,267.6	1,844.6900	13.9586	57.....	1,781.8927	18,651.812	561.68062	9.4674
3.....	80,497.587	1,203,078.3	1,791.5265	13.9455	58.....	1,643.0383	16,869.919	539.39864	9.2675
4.....	75,191.517	1,122,580.8	1,751.6539	13.9296	59.....	1,513.0693	15,226.881	516.91819	9.0636
5.....	70,242.228	1,047,389.2	1,721.4367	13.9111	60.....	1,391.3875	13,713.812	494.22215	8.8562
6.....	65,621.340	977,147.01	1,695.8344	13.8907	61.....	1,277.4497	12,322.424	471.30977	8.6461
7.....	61,305.664	911,525.67	1,673.1429	13.8685	62.....	1,170.8006	11,044.974	448.23210	8.4337
8.....	57,275.533	850,220.01	1,653.6626	13.8444	63.....	1,071.0199	9,874.1737	425.04587	8.2194
9.....	53,512.477	792,944.48	1,637.6041	13.8179	64.....	977.77113	8,803.1538	401.86380	8.0033
10.....	49,999.657	739,432.00	1,625.6013	13.7887	65.....	890.74950	7,825.3827	378.80850	7.7852
11.....	46,719.773	689,432.34	1,616.7228	13.7568	66.....	809.68297	6,934.6332	356.01530	7.5646
12.....	43,655.044	642,712.57	1,608.4268	13.7225	67.....	734.25381	6,124.9502	333.55606	7.3417
13.....	40,787.682	599,057.53	1,597.0030	13.6872	68.....	664.13600	5,390.6964	311.47355	7.1169
14.....	38,101.794	558,269.84	1,579.4681	13.6521	69.....	598.99481	4,726.5604	289.78051	6.8908
15.....	35,583.871	520,168.05	1,554.1856	13.6181	70.....	538.50753	4,127.5656	268.47980	6.6648
16.....	33,224.029	484,584.18	1,522.2599	13.5854	71.....	482.40209	3,589.0581	247.60383	6.4400
17.....	31,013.855	451,360.15	1,485.6203	13.5535	72.....	430.48300	3,106.6560	227.24376	6.2167
18.....	28,945.201	420,346.30	1,445.9110	13.5221	73.....	382.60283	2,676.1730	207.52603	5.9947
19.....	27,010.742	391,401.09	1,405.0631	13.4906	74.....	338.63927	2,293.5701	188.59255	5.7729
20.....	25,202.537	364,390.35	1,363.9159	13.4585	75.....	298.43614	1,954.9309	170.54339	5.5506
21.....	23,512.554	339,187.81	1,322.6968	13.4258	76.....	261.77033	1,656.4947	153.40144	5.3280
22.....	21,933.477	315,675.26	1,281.8245	13.3924	77.....	228.39584	1,394.7244	137.15211	5.1066
23.....	20,459.015	293,741.78	1,242.2623	13.3576	78.....	198.12805	1,166.3286	121.82611	4.8867
24.....	19,083.672	273,282.77	1,205.3596	13.3202	79.....	170.79379	968.20052	107.45349	4.6688
25.....	17,801.499	254,199.10	1,171.6510	13.2796	80.....	146.22183	797.40674	94.054962	4.4534
26.....	16,606.469	236,397.60	1,141.2055	13.2353	81.....	124.22159	651.18491	81.620640	4.2421
27.....	15,492.594	219,791.13	1,113.7350	13.1869	82.....	104.61780	526.96332	70.143493	4.0370
28.....	14,454.156	204,298.54	1,088.8310	13.1342	83.....	87.279600	422.34551	59.649448	3.8390
29.....	13,485.862	189,844.38	1,066.1366	13.0773	84.....	72.097028	335.06592	50.176757	3.6474
30.....	12,582.562	176,358.52	1,045.0886	13.0161	85.....	58.942352	262.96889	41.738709	3.4615
31.....	11,739.883	163,775.96	1,025.5680	12.9504	86.....	47.645803	204.02654	34.298201	3.2822
32.....	10,953.750	152,036.07	1,007.4644	12.8798	87.....	38.031147	156.38073	27.800561	3.1119
33.....	10,220.155	141,082.32	990.47073	12.8043	88.....	29.966056	118.34959	22.223488	2.9495
34.....	9,535.4051	130,862.17	974.32861	12.7238	89.....	23.307990	88.383530	17.525819	2.7920
35.....	8,895.9982	121,326.76	958.73333	12.6384	90.....	17.889427	65.075539	13.632078	2.6377
36.....	8,298.7193	112,430.76	943.43553	12.5480	91.....	13.532766	47.186112	10.445753	2.4868
37.....	7,740.6110	104,132.05	928.23414	12.4527	92.....	10.068758	33.653346	7.8670658	2.3424
38.....	7,219.0964	96,391.434	913.11463	12.3523	93.....	7.3526397	23.584588	5.8096516	2.2076
39.....	6,731.7062	89,172.338	898.00176	12.2466	94.....	5.2600235	16.231949	4.1980492	2.0859
40.....	6,276.2150	82,440.632	882.90260	12.1354	95.....	3.6839336	10.971925	2.9660730	1.9783
41.....	5,850.3122	76,164.417	867.59333	12.0189	96.....	2.5265243	7.2879915	2.0496687	1.8846
42.....	5,451.8896	70,314.104	851.90137	11.8972	97.....	1.7000675	4.7614672	1.3884986	1.8008
43.....	5,079.1230	64,862.215	835.80046	11.7704	98.....	1.1231409	3.0613997	.9227913	1.7257
44.....	4,730.3249	59,783.092	819.28145	11.6383	99.....	.7290444	1.9382588	.6021713	1.6586
45.....	4,403.9767	55,052.767	802.39374	11.5007	100....	.4653415	1.2092145	.3861629	1.5986
46.....	4,098.5794	50,648.790	785.10711	11.3576	101....	.2923215	.7438729	.2435858	1.5447
47.....	3,812.7131	46,550.211	767.37213	11.2092	102....	.1808814	.4515515	.1512696	1.4964
48.....	3,544.9680	42,737.498	749.05686	11.0558	103....	.1103478	.2706701	.0925693	1.4529
49.....	3,294.0704	39,192.530	730.07306	10.8979	104....	.0664273	.1603223	.0558678	1.4135
50.....	3,058.8984	35,898.459	710.40099	10.7357	105....	.0394938	.0938949	.0332801	1.3775
51.....	2,838.6005	32,839.561	690.21798	10.5689	106....	.0232102	.0544011	.0195801	1.3438
52.....	2,632.3377	30,000.960	669.65802	10.3971	107....	.0134945	.0311909	.0113828	1.3114
53.....	2,439.2176	27,368.623	648.74693	10.2202	108....	.0077679	.0176965	.0065391	1.2782
54.....	2,258.3508	24,929.405	627.45507	10.0388	109....	.0044305	.0099286	.0037099	1.2409

**TABLE 5I.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,316,070.4	2,513.3049	12.1607	55.....	1,252.3496	12,626.891	317.02433	9.0826
1.....	91,452.778	1,216,070.4	1,373.4900	12.2972	56.....	1,146.5376	11,374.541	303.97902	8.9208
2.....	84,600.594	1,124,617.6	1,295.5858	12.2933	57.....	1,048.5830	10,228.004	290.95308	8.7541
3.....	78,282.183	1,040,017.0	1,243.8855	12.2855	58.....	957.91940	9,179.4206	277.96230	8.5827
4.....	72,445.086	961,734.83	1,205.4692	12.2754	59.....	873.97728	8,221.5012	264.97717	8.4070
5.....	67,049.940	889,289.74	1,176.6253	12.2631	60.....	796.24995	7,347.5239	251.98889	8.2277
6.....	62,059.065	822,239.80	1,152.4128	12.2493	61.....	724.27780	6,551.2739	238.99822	8.0453
7.....	57,440.836	760,180.74	1,131.1519	12.2342	62.....	657.66436	5,826.9961	226.03497	7.8601
8.....	53,167.876	702,739.90	1,113.0686	12.2174	63.....	596.04486	5,169.3318	213.13137	7.6727
9.....	49,214.746	649,572.03	1,098.2998	12.1987	64.....	539.11154	4,573.2869	200.34952	7.4830
10.....	45,558.273	600,357.28	1,087.3632	12.1778	65.....	486.58311	4,034.1754	187.75528	7.2908
11.....	42,175.571	554,799.01	1,079.3483	12.1545	66.....	438.20413	3,547.5923	175.41950	7.0958
12.....	39,044.035	512,623.44	1,071.9285	12.1294	67.....	393.70207	3,109.3881	163.37700	6.8978
13.....	36,141.762	473,579.40	1,061.8060	12.1034	68.....	352.80809	2,715.6861	151.64613	6.6973
14.....	33,449.200	437,437.64	1,046.4123	12.0777	69.....	315.25689	2,362.8780	140.22887	6.4951
15.....	30,949.492	403,988.44	1,024.4225	12.0532	70.....	280.79756	2,047.6211	129.12190	6.2922
16.....	28,629.426	373,038.95	996.91187	12.0299	71.....	249.21304	1,766.8235	118.33720	6.0896
17.....	26,477.448	344,409.52	965.63157	12.0077	72.....	220.33202	1,517.6105	107.91640	5.8878
18.....	24,482.568	317,932.07	932.04444	11.9861	73.....	194.01254	1,297.2785	97.917816	5.6866
19.....	22,634.815	293,449.50	897.81418	11.9645	74.....	170.12924	1,103.2659	88.405812	5.4849
20.....	20,924.000	270,814.69	863.65238	11.9428	75.....	148.54330	933.13668	79.422043	5.2819
21.....	19,340.169	249,890.69	829.74775	11.9208	76.....	129.08688	784.59337	70.968829	5.0780
22.....	17,874.256	230,550.52	796.43968	11.8985	77.....	111.58605	655.50649	63.029986	4.8744
23.....	16,518.295	212,676.26	764.49772	11.8752	78.....	95.902008	543.92045	55.611580	4.6716
24.....	15,265.199	196,157.97	734.97892	11.8500	79.....	81.905643	448.01844	48.719068	4.4699
25.....	14,107.729	180,892.77	708.26482	11.8222	80.....	69.472669	366.11280	42.353179	4.2699
26.....	13,038.808	166,785.04	684.36005	11.7914	81.....	58.473473	296.64013	36.500107	4.0731
27.....	12,051.601	153,746.23	662.99090	11.7573	82.....	48.789616	238.16665	31.147618	3.8815
28.....	11,139.696	141,694.63	643.79761	11.7198	83.....	40.326877	189.37704	26.298924	3.6961
29.....	10,297.205	130,554.94	626.46919	11.6787	84.....	33.003441	149.05016	21.962665	3.5162
30.....	9,518.5268	120,257.73	610.54666	11.6341	85.....	26.731871	116.04672	18.135793	3.3411
31.....	8,798.8204	110,739.20	595.91633	11.5857	86.....	21.408516	89.314847	14.792577	3.1719
32.....	8,133.6133	101,940.38	582.47369	11.5332	87.....	16.930171	67.906332	11.900049	3.0110
33.....	7,518.6217	93,806.771	569.97203	11.4766	88.....	13.216350	50.976160	9.4403141	2.8571
34.....	6,949.9215	86,288.149	558.20677	11.4157	89.....	10.184666	37.759810	7.3876191	2.7075
35.....	6,423.8511	79,338.228	546.94533	11.3506	90.....	7.7445900	27.575144	5.7019626	2.5606
36.....	5,937.0659	72,914.376	536.00099	11.2812	91.....	5.8042834	19.830554	4.3353293	2.4165
37.....	5,486.5086	66,977.311	525.22631	11.2076	92.....	4.2785630	14.026271	3.2395558	2.2783
38.....	5,069.4831	61,490.802	514.60890	11.1296	93.....	3.0954611	9.7477076	2.3733845	2.1490
39.....	4,683.4514	56,421.319	504.09442	11.0470	94.....	2.1939654	6.6522465	1.7011822	2.0321
40.....	4,326.1214	51,737.867	493.68675	10.9594	95.....	1.5223479	4.4582811	1.1920807	1.9286
41.....	3,995.2132	47,411.746	483.23196	10.8671	96.....	1.0343931	2.9359332	.8168924	1.8383
42.....	3,688.6545	43,416.533	472.61505	10.7703	97.....	.6895858	1.9015402	.5487068	1.7575
43.....	3,404.6281	39,727.878	461.82232	10.6688	98.....	.4513531	1.2119543	.3615545	1.6852
44.....	3,141.4630	36,323.250	450.85185	10.5625	99.....	.2902660	.7606013	.2339010	1.6204
45.....	2,897.6506	33,181.787	439.74038	10.4513	100....	.1835583	.4703353	.1486945	1.5623
46.....	2,671.7411	30,284.137	428.47174	10.3350	101....	.1142412	.2867770	.0929743	1.5103
47.....	2,462.3805	27,612.395	417.01788	10.2137	102....	.0700352	.1725357	.0572306	1.4636
48.....	2,268.2629	25,150.015	405.29878	10.0878	103....	.0423298	.1025005	.0347130	1.4215
49.....	2,088.2090	22,881.752	393.26438	9.9576	104....	.0252458	.0601708	.0207645	1.3834
50.....	1,921.1716	20,793.543	380.90915	9.8234	105....	.0148707	.0349250	.0122595	1.3486
51.....	1,766.3038	18,872.371	368.35038	9.6847	106....	.0086585	.0200543	.0071488	1.3161
52.....	1,622.7917	17,106.068	355.67551	9.5411	107....	.0049874	.0113958	.0041191	1.2849
53.....	1,489.8129	15,483.276	342.90354	9.3928	108....	.0028444	.0064084	.0023455	1.2530
54.....	1,366.5723	13,993.463	330.01942	9.2398	109....	.0016073	.0035640	.0013191	1.2174

**TABLE 5J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,078,740.1	1,932.7139	9.7874	55.....	456.49334	4,028.3287	90.281637	7.8245
1.....	89,790.000	978,740.15	813.62303	9.9003	56.....	410.32526	3,571.8354	85.612955	7.7049
2.....	81,552.176	888,950.15	738.52594	9.9004	57.....	368.44598	3,161.5101	81.035963	7.5807
3.....	74,089.410	807,397.97	689.59463	9.8976	58.....	330.46924	2,793.0641	76.554320	7.4518
4.....	67,318.312	733,308.56	653.89701	9.8932	59.....	296.02834	2,462.5949	72.156075	7.3188
5.....	61,172.150	665,990.25	627.58167	9.8871	60.....	264.79735	2,166.5666	67.836752	7.1820
6.....	55,589.357	604,818.10	605.89336	9.8801	61.....	236.48329	1,901.7692	63.595180	7.0419
7.....	50,517.081	549,228.74	587.19512	9.8721	62.....	210.82915	1,665.2859	59.439524	6.8987
8.....	45,909.005	498,711.66	571.58075	9.8630	63.....	187.60153	1,454.4568	55.378188	6.7529
9.....	41,722.938	452,802.66	559.06011	9.8526	64.....	166.59698	1,266.8552	51.428323	6.6043
10.....	37,920.840	411,079.72	549.95693	9.8405	65.....	147.63067	1,100.2582	47.607194	6.4528
11.....	34,466.941	373,158.88	543.40696	9.8266	66.....	130.53504	952.62757	43.932532	6.2979
12.....	31,327.630	338,691.94	537.45358	9.8113	67.....	115.14615	822.09253	40.410459	6.1396
13.....	28,471.689	307,364.31	529.47928	9.7954	68.....	101.30977	706.94638	37.041911	5.9781
14.....	25,871.447	278,892.62	517.57294	9.7799	69.....	88.880900	605.63661	33.823023	5.8140
15.....	23,502.799	253,021.17	500.87409	9.7656	70.....	77.726347	516.75571	30.748552	5.6484
16.....	21,345.669	229,518.37	480.36256	9.7525	71.....	67.729326	439.02937	27.817562	5.4821
17.....	19,382.256	208,172.70	457.46448	9.7404	72.....	58.791518	371.30004	25.036966	5.3155
18.....	17,596.093	188,790.45	433.32476	9.7291	73.....	50.827405	312.50852	22.417536	5.1484
19.....	15,972.293	171,194.35	409.17012	9.7182	74.....	43.760085	261.68112	19.970890	4.9799
20.....	14,496.599	155,222.06	385.50209	9.7075	75.....	37.513134	217.92103	17.702128	4.8092
21.....	13,155.663	140,725.46	362.43932	9.6969	76.....	32.006888	180.40790	15.606167	4.6365
22.....	11,937.449	127,569.80	340.19429	9.6865	77.....	27.164537	148.40101	13.673533	4.4630
23.....	10,831.281	115,632.35	319.24949	9.6758	78.....	22.921930	121.23647	11.900430	4.2891
24.....	9,827.6155	104,801.07	300.24551	9.6639	79.....	19.220664	98.314543	10.282975	4.1150
25.....	8,917.3103	94,973.454	283.35988	9.6505	80.....	16.006619	79.093879	8.8162637	3.9413
26.....	8,091.8105	86,056.144	268.52472	9.6350	81.....	13.227434	63.087260	7.4922252	3.7694
27.....	7,343.1709	77,964.333	255.50426	9.6173	82.....	10.836154	49.859826	6.3034397	3.6012
28.....	6,664.1279	70,621.162	244.02221	9.5972	83.....	8.7937360	39.023672	5.2461266	3.4377
29.....	6,048.1201	63,957.034	233.84427	9.5747	84.....	7.0659268	30.229936	4.3177479	3.2783
30.....	5,489.1089	57,908.914	224.66213	9.5498	85.....	5.6191462	23.164010	3.5133242	3.1223
31.....	4,981.8154	52,419.805	216.37856	9.5222	86.....	4.4183346	17.544863	2.8233442	2.9709
32.....	4,521.4504	47,437.990	208.90584	9.4918	87.....	3.4305557	13.126529	2.2372320	2.8264
33.....	4,103.5862	42,916.540	202.08256	9.4583	88.....	2.6293338	9.6959731	1.7478788	2.6876
34.....	3,724.2283	38,812.953	195.77796	9.4217	89.....	1.9893540	7.0666393	1.3469293	2.5522
35.....	3,379.7372	35,088.725	189.85305	9.3821	90.....	1.4852336	5.0772853	1.0236593	2.4185
36.....	3,066.8349	31,708.988	184.19967	9.3393	91.....	1.0928889	3.5920517	.7663358	2.2867
37.....	2,782.5672	28,642.153	178.73513	9.2934	92.....	.7909634	2.4991629	.5637639	2.1596
38.....	2,524.3197	25,859.586	173.44825	9.2442	93.....	.5618429	1.7081994	.4065492	2.0404
39.....	2,289.6957	23,335.266	168.30782	9.1914	94.....	.3909763	1.1463566	.2867591	1.9320
40.....	2,076.5458	21,045.570	163.31212	9.1349	95.....	.2663579	.7553803	.1976841	1.8360
41.....	1,882.8418	18,969.025	158.38504	9.0747	96.....	.1776922	.4890224	.1332327	1.7521
42.....	1,706.7619	17,086.183	153.47254	9.0109	97.....	.1163060	.3113302	.0880004	1.6768
43.....	1,546.6987	15,379.421	148.56948	8.9434	98.....	.0747414	.1950242	.0570091	1.6093
44.....	1,401.1965	13,832.722	143.67628	8.8721	99.....	.0471924	.1202828	.0362547	1.5488
45.....	1,268.9490	12,431.526	138.81031	8.7967	100....	.0293009	.0730904	.0226535	1.4945
46.....	1,148.7449	11,162.577	133.96523	8.7172	101....	.0179045	.0437895	.0139207	1.4457
47.....	1,039.4784	10,013.832	129.13006	8.6335	102....	.0107767	.0258850	.0084206	1.4019
48.....	940.12318	8,974.3534	124.27286	8.5459	103....	.0063951	.0151083	.0050187	1.3625
49.....	849.76025	8,034.2302	119.37568	8.4547	104....	.0037447	.0087132	.0029497	1.3268
50.....	767.57298	7,184.4700	114.43934	8.3600	105....	.0021657	.0049685	.0017111	1.2942
51.....	692.86720	6,416.8970	109.51292	8.2614	106....	.0012380	.0028028	.0009804	1.2639
52.....	624.99770	5,724.0298	104.63135	8.1585	107....	.0007002	.0015648	.0005550	1.2349
53.....	563.35020	5,099.0321	99.801826	8.0513	108....	.0003920	.0008646	.0003106	1.2054
54.....	507.35319	4,535.6819	95.018471	7.9399	109....	.0002175	.0004726	.0001717	1.1727

**TABLE 5K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	917,853.99	1,658.5009	8.1785	55.....	169.44973	1,329.8446	26.966386	6.8480
1.....	88,186.607	817,853.99	559.39380	8.2741	56.....	149.59234	1,160.3948	25.264324	6.7570
2.....	78,665.603	729,667.38	486.95481	8.2756	57.....	131.92575	1,010.8025	23.625486	6.6619
3.....	70,190.789	651,001.78	440.59829	8.2747	58.....	116.21481	878.87673	22.049444	6.5625
4.....	62,637.132	580,810.99	407.38301	8.2726	59.....	102.24413	762.66192	20.530351	6.4592
5.....	55,901.963	518,173.86	383.33482	8.2693	60.....	89.824206	660.41779	19.065156	6.3523
6.....	49,893.001	462,271.90	363.86896	8.2653	61.....	78.787056	570.59359	17.652029	6.2422
7.....	44,530.840	412,378.90	347.38645	8.2605	62.....	68.985806	491.80653	16.292249	6.1291
8.....	39,746.160	367,848.06	333.86816	8.2549	63.....	60.289283	422.82073	14.987062	6.0132
9.....	35,476.997	328,101.90	323.22187	8.2483	64.....	52.583020	362.53144	13.740366	5.8945
10.....	31,668.288	292,624.90	315.61965	8.2403	65.....	45.764599	309.94842	12.555839	5.7727
11.....	28,269.884	260,956.61	310.24735	8.2309	66.....	39.742468	264.18382	11.437058	5.6474
12.....	25,236.172	232,686.73	305.45157	8.2204	67.....	34.431171	224.44136	10.383883	5.5186
13.....	22,525.988	207,450.56	299.14253	8.2094	68.....	29.752836	190.01018	9.3946014	5.3863
14.....	20,103.237	184,924.57	289.89078	8.1987	69.....	25.636584	160.25735	8.4661535	5.2511
15.....	17,936.575	164,821.33	277.14677	8.1891	70.....	22.018850	134.62076	7.5951964	5.1139
16.....	15,999.425	146,884.76	261.77256	8.1806	71.....	18.844204	112.60191	6.7797125	4.9754
17.....	14,268.344	130,885.33	244.91602	8.1731	72.....	16.065357	93.757710	6.0198873	4.8360
18.....	12,722.140	116,616.99	227.46278	8.1665	73.....	13.641066	77.692354	5.3168845	4.6955
19.....	11,341.901	103,894.85	210.31061	8.1603	74.....	11.534617	64.051288	4.6719788	4.5530
20.....	10,110.191	92,552.945	193.80409	8.1544	75.....	9.7114267	52.516671	4.0846402	4.4077
21.....	9,011.1591	82,442.754	178.00692	8.1490	76.....	8.1380022	42.805244	3.5517257	4.2599
22.....	8,030.7128	73,431.595	163.04196	8.1438	77.....	6.7834608	34.667242	3.0691131	4.1106
23.....	7,156.4407	65,400.882	149.20332	8.1387	78.....	5.6217931	27.883781	2.6342448	3.9599
24.....	6,377.3471	58,244.441	136.87124	8.1330	79.....	4.6298478	22.261988	2.2446344	3.8084
25.....	5,683.2981	51,867.094	126.10946	8.1262	80.....	3.7868021	17.632140	1.8976439	3.6562
26.....	5,065.0872	46,183.796	116.82336	8.1181	81.....	3.0734295	13.845338	1.5900000	3.5048
27.....	4,514.3947	41,118.709	108.81871	8.1084	82.....	2.4728484	10.771909	1.3187150	3.3561
28.....	4,023.7767	36,604.314	101.88589	8.0970	83.....	1.9709264	8.2990604	1.0817410	3.2107
29.....	3,586.6221	32,580.538	95.850228	8.0839	84.....	1.5553953	6.3281340	.8773806	3.0685
30.....	3,196.9933	28,993.915	90.502318	8.0691	85.....	1.2148332	4.7727387	.7034680	2.9287
31.....	2,849.7199	25,796.922	85.763917	8.0524	86.....	.9381658	3.5579055	.5569612	2.7924
32.....	2,540.1945	22,947.202	81.565669	8.0336	87.....	.7154184	2.6197397	.4347316	2.6618
33.....	2,264.2659	20,407.008	77.800738	8.0126	88.....	.5385376	1.9043213	.3345028	2.5361
34.....	2,018.2493	18,142.742	74.384123	7.9893	89.....	.4001815	1.3657837	.2538472	2.4129
35.....	1,798.8548	16,124.493	71.230608	7.9638	90.....	.2934367	.9656022	.1899789	2.2907
36.....	1,603.1651	14,325.638	68.275347	7.9358	91.....	.2120656	.6721656	.1400475	2.1696
37.....	1,428.5919	12,722.473	65.469808	7.9056	92.....	.1507389	.4600999	.1014421	2.0523
38.....	1,272.8626	11,293.881	62.803953	7.8728	93.....	.1051619	.3093610	.0720157	1.9418
39.....	1,133.9388	10,021.018	60.258228	7.8374	94.....	.0718735	.2041991	.0499946	1.8411
40.....	1,010.0154	8,887.0795	57.828359	7.7990	95.....	.0480904	.1323256	.0339123	1.7516
41.....	899.44581	7,877.0640	55.474662	7.7577	96.....	.0315091	.0842352	.0224835	1.6734
42.....	800.77178	6,977.6182	53.169833	7.7136	97.....	.0202556	.0527261	.0146060	1.6030
43.....	712.71549	6,176.8464	50.910512	7.6666	98.....	.0127843	.0324706	.0093050	1.5399
44.....	634.13860	5,464.1309	48.696003	7.6166	99.....	.0079280	.0196862	.0058184	1.4831
45.....	564.03232	4,829.9923	46.533138	7.5633	100....	.0048345	.0117582	.0035743	1.4322
46.....	501.48516	4,265.9600	44.418016	7.5067	101....	.0029014	.0069238	.0021592	1.3864
47.....	445.68150	3,764.4749	42.344913	7.4466	102....	.0017151	.0040224	.0012838	1.3452
48.....	395.88456	3,318.7933	40.299553	7.3832	103....	.0009996	.0023073	.0007521	1.3081
49.....	351.44298	2,922.9088	38.274179	7.3169	104....	.0005749	.0013076	.0004344	1.2746
50.....	311.78327	2,571.4658	36.269072	7.2476	105....	.0003265	.0007327	.0002477	1.2440
51.....	276.41257	2,259.6825	34.303723	7.1750	106....	.0001833	.0004062	.0001395	1.2156
52.....	244.88426	1,983.2700	32.391047	7.0988	107....	.0001018	.0002229	.0000776	1.1885
53.....	216.78816	1,738.3857	30.532551	7.0188	108....	.0000560	.0001210	.0000427	1.1612
54.....	191.75300	1,521.5976	28.724692	6.9352	109....	.0000305	.0000650	.0000232	1.1310



TABLE 6A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	5,415,429.9	46,381.775	53.1543	55.....	53,569.909	1,256,041.2	41,133.750	22.4468
1.....	98,054.455	5,315,429.9	45,426.330	53.2090	56.....	52,732.415	1,202,471.3	40,826.651	21.8033
2.....	97,008.865	5,217,375.4	45,351.575	52.7825	57.....	51,882.431	1,149,738.9	40,498.771	21.1605
3.....	95,999.396	5,120,366.6	45,302.591	52.3375	58.....	51,018.923	1,097,856.5	40,148.949	20.5186
4.....	95,013.739	5,024,367.2	45,267.422	51.8804	59.....	50,138.973	1,046,837.6	39,774.137	19.8787
5.....	94,044.787	4,929,353.4	45,239.201	51.4150	60.....	49,239.946	996,698.59	39,371.536	19.2417
6.....	93,087.579	4,835,308.6	45,213.129	50.9437	61.....	48,319.013	947,458.64	38,938.127	18.6084
7.....	92,141.957	4,742,221.1	45,189.166	50.4665	62.....	47,374.161	899,139.63	38,471.681	17.9795
8.....	91,208.677	4,650,079.1	45,168.183	49.9829	63.....	46,404.632	851,765.47	37,971.204	17.3552
9.....	90,286.657	4,558,870.4	45,149.219	49.4933	64.....	45,411.297	805,360.84	37,437.321	16.7348
10.....	89,376.639	4,468,583.8	45,133.128	48.9972	65.....	44,395.613	759,949.54	36,871.253	16.1177
11.....	88,476.678	4,379,207.1	45,118.084	48.4956	66.....	43,358.690	715,553.93	36,273.890	15.5031
12.....	87,586.655	4,290,730.5	45,104.068	47.9884	67.....	42,298.334	672,195.24	35,642.828	14.8918
13.....	86,702.984	4,203,143.8	45,087.591	47.4775	68.....	41,211.560	629,896.90	34,974.849	14.2845
14.....	85,823.077	4,116,440.8	45,066.130	46.9643	69.....	40,093.543	588,685.34	34,264.868	13.6828
15.....	84,946.152	4,030,617.7	45,038.939	46.4491	70.....	38,939.564	548,591.80	33,507.854	13.0883
16.....	84,071.459	3,945,671.6	45,005.297	45.9324	71.....	37,747.473	509,652.24	32,701.304	12.5016
17.....	83,199.946	3,861,600.1	44,966.174	45.4135	72.....	36,516.382	471,904.76	31,843.951	11.9231
18.....	82,333.349	3,778,400.2	44,923.339	44.8915	73.....	35,244.817	435,388.38	30,933.934	11.3533
19.....	81,474.147	3,696,066.8	44,879.319	44.3649	74.....	33,932.733	400,143.57	29,970.808	10.7923
20.....	80,623.106	3,614,592.7	44,834.952	43.8332	75.....	32,579.791	366,210.83	28,953.834	10.2404
21.....	79,780.155	3,533,969.6	44,790.250	43.2963	76.....	31,187.892	333,631.04	27,884.507	9.6975
22.....	78,945.228	3,454,189.4	44,745.226	42.7543	77.....	29,756.028	302,443.15	26,761.434	9.1641
23.....	78,119.039	3,375,244.2	44,700.672	42.2064	78.....	28,278.538	272,687.12	25,578.558	8.6429
24.....	77,300.723	3,297,125.2	44,655.812	41.6532	79.....	26,747.857	244,408.58	24,327.863	8.1375
25.....	76,490.978	3,219,824.4	44,611.421	41.0942	80.....	25,160.200	217,660.73	23,005.036	7.6510
26.....	75,689.716	3,143,333.5	44,567.496	40.5292	81.....	23,518.808	192,500.53	21,612.755	7.1850
27.....	74,896.848	3,067,643.7	44,524.030	39.9582	82.....	21,833.138	168,981.72	20,159.945	6.7397
28.....	74,111.543	2,992,746.9	44,480.279	39.3817	83.....	20,114.805	147,148.58	18,657.782	6.3154
29.....	73,333.739	2,918,635.3	44,436.252	38.7994	84.....	18,379.555	127,033.77	17,121.688	5.9117
30.....	72,561.920	2,845,301.6	44,390.509	38.2120	85.....	16,643.688	108,654.22	15,567.796	5.5283
31.....	71,796.787	2,772,739.7	44,343.811	37.6193	86.....	14,919.501	92,010.532	14,008.398	5.1671
32.....	71,037.589	2,700,942.9	44,295.473	37.0213	87.....	13,222.075	77,091.031	12,458.690	4.8305
33.....	70,283.606	2,629,905.3	44,244.832	36.4185	88.....	11,581.229	63,868.956	10,948.756	4.5149
34.....	69,534.146	2,559,621.7	44,191.249	35.8110	89.....	10,026.477	52,287.727	9,508.6699	4.2150
35.....	68,788.547	2,490,087.6	44,134.108	35.1992	90.....	8,575.4178	42,261.250	8,156.8824	3.9282
36.....	68,046.176	2,421,299.0	44,072.811	34.5832	91.....	7,231.2847	33,685.832	6,897.6544	3.6583
37.....	67,305.752	2,353,252.8	44,006.112	33.9636	92.....	5,997.5989	26,454.547	5,735.5655	3.4109
38.....	66,566.722	2,285,947.1	43,933.475	33.3407	93.....	4,886.6179	20,456.949	4,683.9667	3.1863
39.....	65,829.215	2,219,380.4	43,855.045	32.7142	94.....	3,909.3911	15,570.331	3,755.1222	2.9828
40.....	65,092.710	2,153,551.2	43,770.314	32.0844	95.....	3,069.8397	11,660.939	2,954.2776	2.7985
41.....	64,356.067	2,088,458.4	43,678.153	31.4516	96.....	2,363.8374	8,591.0998	2,278.6697	2.6344
42.....	63,618.202	2,024,102.4	43,577.478	30.8164	97.....	1,785.0717	6,227.2624	1,723.3084	2.4885
43.....	62,878.720	1,960,484.2	43,467.878	30.1788	98.....	1,322.4907	4,442.1908	1,278.4014	2.3590
44.....	62,136.626	1,897,605.5	43,348.346	29.5392	99.....	961.73879	3,119.7001	930.74345	2.2438
45.....	61,391.602	1,835,468.8	43,218.536	28.8977	100....	686.93859	2,157.9613	665.46542	2.1414
46.....	60,643.354	1,774,077.2	43,078.125	28.2543	101....	482.25810	1,471.0227	467.58629	2.0503
47.....	59,890.415	1,713,433.9	42,925.616	27.6095	102....	333.02070	988.76462	323.12373	1.9691
48.....	59,131.408	1,653,543.5	42,759.584	26.9639	103....	226.38154	655.74391	219.78180	1.8966
49.....	58,364.456	1,594,412.0	42,578.091	26.3182	104....	151.61960	429.36237	147.26126	1.8318
50.....	57,588.382	1,536,047.6	42,379.883	25.6729	105....	100.13348	277.74278	97.276334	1.7737
51.....	56,803.812	1,478,459.2	42,165.495	25.0275	106....	65.267203	177.60930	63.401474	1.7213
52.....	56,010.808	1,421,655.4	41,934.905	24.3818	107....	42.021093	112.34209	40.801574	1.6735
53.....	55,208.356	1,365,644.6	41,687.016	23.7362	108....	26.745802	70.321000	25.942333	1.6292
54.....	54,394.990	1,310,436.2	41,420.266	23.0911	109....	16.842705	43.575198	16.304047	1.5872

TABLE 6B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,594,356.2	32,103.051	44.9436	55.....	40,828.568	894,129.31	27,614.774	20.8996
1.....	97,571.429	4,494,356.2	31,152.312	45.0622	56.....	39,992.286	853,300.74	27,381.871	20.3366
2.....	96,055.467	4,396,784.8	31,078.292	44.7734	57.....	39,153.827	813,308.46	27,134.431	19.7721
3.....	94,587.663	4,300,729.3	31,030.028	44.4682	58.....	38,312.502	774,154.63	26,871.734	19.2063
4.....	93,155.336	4,206,141.7	30,995.547	44.1519	59.....	37,466.230	735,842.13	26,591.656	18.6401
5.....	91,751.122	4,112,986.3	30,968.014	43.8276	60.....	36,613.181	698,375.90	26,292.295	18.0744
6.....	90,369.884	4,021,235.2	30,942.703	43.4975	61.....	35,751.418	661,762.72	25,971.614	17.5101
7.....	89,011.219	3,930,865.3	30,919.554	43.1615	62.....	34,879.647	626,011.30	25,628.189	16.9478
8.....	87,675.613	3,841,854.1	30,899.384	42.8190	63.....	33,997.519	591,131.65	25,261.523	16.3875
9.....	86,361.774	3,754,178.5	30,881.244	42.4704	64.....	33,105.879	557,134.13	24,872.310	15.8289
10.....	85,070.176	3,667,816.7	30,865.929	42.1152	65.....	32,205.987	524,028.25	24,461.667	15.2711
11.....	83,798.733	3,582,746.5	30,851.681	41.7542	66.....	31,298.825	491,822.27	24,030.456	14.7138
12.....	82,547.119	3,498,947.8	30,838.471	41.3873	67.....	30,382.987	460,523.44	23,577.163	14.1573
13.....	81,311.759	3,416,400.7	30,823.019	41.0161	68.....	29,456.531	430,140.45	23,099.716	13.6025
14.....	80,090.079	3,335,088.9	30,802.991	40.6417	69.....	28,516.243	400,683.92	22,594.747	13.0511
15.....	78,881.232	3,254,998.8	30,777.741	40.2646	70.....	27,559.053	372,167.68	22,058.978	12.5044
16.....	77,684.413	3,176,117.6	30,746.655	39.8849	71.....	26,583.761	344,608.63	21,490.963	11.9631
17.....	76,500.396	3,098,433.2	30,710.683	39.5022	72.....	25,590.078	318,024.87	20,890.144	11.4277
18.....	75,330.656	3,021,932.8	30,671.491	39.1156	73.....	24,577.316	292,434.79	20,255.560	10.8986
19.....	74,177.317	2,946,602.1	30,631.413	38.7238	74.....	23,545.796	267,857.47	19,587.251	10.3760
20.....	73,040.906	2,872,424.8	30,591.219	38.3262	75.....	22,495.630	244,311.68	18,885.053	9.8604
21.....	71,921.186	2,799,383.9	30,550.920	37.9229	76.....	21,428.473	221,816.05	18,150.343	9.3515
22.....	70,817.922	2,727,462.7	30,510.531	37.5137	77.....	20,343.960	200,387.57	17,382.507	8.8500
23.....	69,731.582	2,656,644.8	30,470.761	37.0982	78.....	19,238.571	180,043.61	16,577.769	8.3585
24.....	68,661.219	2,586,913.2	30,430.915	36.6765	79.....	18,107.571	160,805.04	15,731.082	7.8805
25.....	67,607.286	2,518,252.0	30,391.680	36.2482	80.....	16,948.864	142,697.47	14,839.975	7.4193
26.....	66,569.531	2,450,644.7	30,353.047	35.8133	81.....	15,765.116	125,748.61	13,906.702	6.9764
27.....	65,547.705	2,384,075.2	30,315.007	35.3716	82.....	14,563.084	109,983.49	12,937.653	6.5522
28.....	64,540.918	2,318,527.5	30,276.906	34.9234	83.....	13,350.833	95,420.407	11,940.619	6.1472
29.....	63,548.959	2,253,986.6	30,238.753	34.4685	84.....	12,138.998	82,069.574	10,926.088	5.7608
30.....	62,570.368	2,190,437.6	30,199.309	34.0076	85.....	10,938.373	69,930.576	9,904.8570	5.3931
31.....	61,605.613	2,127,867.2	30,159.240	33.5402	86.....	9,756.9213	58,992.203	8,885.0557	5.0462
32.....	60,653.913	2,066,261.6	30,117.967	33.0664	87.....	8,604.2588	49,235.282	7,876.5842	4.7222
33.....	59,714.524	2,005,607.7	30,074.941	32.5866	88.....	7,499.3533	40,631.023	6,898.8352	4.4179
34.....	58,786.743	1,945,893.2	30,029.641	32.1009	89.....	6,460.6005	33,131.670	5,970.9103	4.1283
35.....	57,869.901	1,887,106.5	29,981.569	31.6095	90.....	5,498.3847	26,671.069	5,104.1714	3.8507
36.....	56,963.368	1,829,236.6	29,930.256	31.1125	91.....	4,613.7136	21,172.685	4,300.7572	3.5891
37.....	56,065.984	1,772,273.2	29,874.695	30.6105	92.....	3,807.7456	16,558.971	3,562.9721	3.3488
38.....	55,177.214	1,716,207.2	29,814.486	30.1035	93.....	3,087.1250	12,751.225	2,898.6237	3.1305
39.....	54,297.097	1,661,030.0	29,749.796	29.5915	94.....	2,457.5948	9,664.1003	2,314.7160	2.9323
40.....	53,425.133	1,606,732.9	29,680.253	29.0745	95.....	1,920.3138	7,206.5055	1,813.7541	2.7528
41.....	52,560.331	1,553,307.8	29,604.984	28.5529	96.....	1,471.3955	5,286.1917	1,393.2148	2.5926
42.....	51,701.759	1,500,747.4	29,523.166	28.0270	97.....	1,105.6631	3,814.7962	1,049.2272	2.4502
43.....	50,849.062	1,449,045.7	29,434.534	27.4970	98.....	815.10791	2,709.1331	775.01189	2.3236
44.....	50,001.411	1,398,196.6	29,338.347	26.9631	99.....	589.84100	1,894.0252	561.79090	2.2111
45.....	49,158.530	1,348,195.2	29,234.403	26.4255	100....	419.22876	1,304.1842	399.89553	2.1109
46.....	48,320.171	1,299,036.7	29,122.525	25.8839	101....	292.86536	884.95547	279.72763	2.0217
47.....	47,485.160	1,250,716.5	29,001.606	25.3391	102....	201.24034	592.09010	192.43067	1.9422
48.....	46,652.416	1,203,231.3	28,870.612	24.7914	103....	136.12571	390.84976	130.29003	1.8712
49.....	45,820.486	1,156,578.9	28,728.127	24.2415	104....	90.721414	254.72405	86.897445	1.8078
50.....	44,988.494	1,110,758.4	28,573.285	23.6898	105....	59.619611	164.00264	57.136352	1.7508
51.....	44,156.983	1,065,769.9	28,406.628	23.1359	106....	38.668751	104.38303	37.066570	1.6994
52.....	43,326.048	1,021,613.0	28,228.260	22.5796	107....	24.773526	65.714274	23.742804	1.6526
53.....	42,494.956	978,286.91	28,037.455	22.0212	108....	15.690306	40.940749	15.025696	1.6093
54.....	41,662.641	935,791.95	27,833.144	21.4612	109....	9.8320252	25.250442	9.3992911	1.5682

TABLE 6C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,952,053.9	22,508.715	38.5205	55.....	31,159.252	639,084.94	18,628.141	19.5103
1.....	97,093.137	3,852,053.9	21,562.636	38.6738	56.....	30,371.412	607,925.69	18,451.267	19.0164
2.....	95,116.054	3,754,960.7	21,489.340	38.4777	57.....	29,588.901	577,554.28	18,264.274	18.5193
3.....	93,203.476	3,659,844.7	21,441.782	38.2673	58.....	28,811.177	547,965.38	18,066.725	18.0192
4.....	91,342.148	3,566,641.2	21,407.973	38.0470	59.....	28,036.665	519,154.20	17,857.138	17.5170
5.....	89,524.260	3,475,299.0	21,381.108	37.8196	60.....	27,264.007	491,117.54	17,634.219	17.0134
6.....	87,744.307	3,385,774.8	21,356.533	37.5868	61.....	26,491.794	463,853.53	17,396.594	16.5093
7.....	86,001.464	3,298,030.5	21,334.166	37.3485	62.....	25,719.117	437,361.73	17,143.364	16.0053
8.....	84,295.768	3,212,029.0	21,314.774	37.1043	63.....	24,945.779	411,642.62	16,874.321	15.5015
9.....	82,625.555	3,127,733.2	21,297.419	36.8543	64.....	24,172.459	386,696.84	16,590.135	14.9974
10.....	80,990.865	3,045,107.7	21,282.838	36.5982	65.....	23,400.126	362,524.38	16,291.771	14.4924
11.....	79,389.310	2,964,116.8	21,269.339	36.3365	66.....	22,629.527	339,124.25	15,979.999	13.9859
12.....	77,820.204	2,884,727.5	21,256.886	36.0691	67.....	21,859.680	316,494.73	15,653.868	13.4785
13.....	76,279.822	2,806,907.3	21,242.390	35.7975	68.....	21,089.233	294,635.05	15,312.042	12.9709
14.....	74,765.443	2,730,627.5	21,223.694	35.5226	69.....	20,315.961	273,545.81	14,952.285	12.4646
15.....	73,275.998	2,655,862.0	21,200.238	35.2446	70.....	19,537.780	253,229.85	14,572.456	11.9610
16.....	71,810.478	2,582,586.1	21,171.503	34.9639	71.....	18,753.971	233,692.07	14,171.740	11.4609
17.....	70,369.340	2,510,775.6	21,138.414	34.6800	72.....	17,964.465	214,938.10	13,749.959	10.9646
18.....	68,953.675	2,440,406.2	21,102.539	34.3920	73.....	17,168.921	196,973.64	13,306.660	10.4727
19.....	67,565.137	2,371,452.6	21,066.034	34.0988	74.....	16,367.705	179,804.71	12,842.089	9.9853
20.....	66,203.898	2,303,887.4	21,029.602	33.7999	75.....	15,561.034	163,437.01	12,356.353	9.5030
21.....	64,869.435	2,237,683.5	20,993.255	33.4952	76.....	14,750.182	147,875.98	11,850.620	9.0254
22.....	63,561.235	2,172,814.1	20,957.004	33.1846	77.....	13,935.017	133,125.79	11,324.674	8.5533
23.....	62,279.417	2,109,252.9	20,921.485	32.8676	78.....	13,113.261	119,190.78	10,776.154	8.0893
24.....	61,022.838	2,046,973.4	20,886.071	32.5444	79.....	12,281.855	106,077.52	10,201.870	7.6369
25.....	59,791.613	1,985,950.6	20,851.372	32.2145	80.....	11,439.584	93,795.661	9,600.4206	7.1992
26.....	58,585.229	1,926,159.0	20,817.372	31.8779	81.....	10,588.457	82,356.077	8,973.5986	6.7779
27.....	57,403.186	1,867,573.8	20,784.059	31.5343	82.....	9,733.1795	71,767.620	8,325.9380	6.3735
28.....	56,244.429	1,810,170.6	20,750.856	31.1840	83.....	8,879.2361	62,034.441	7,662.8413	5.9865
29.....	55,108.512	1,753,926.1	20,717.771	30.8268	84.....	8,033.7065	53,155.205	6,991.4144	5.6165
30.....	53,993.916	1,698,817.6	20,683.733	30.4631	85.....	7,203.6356	45,121.498	6,318.8671	5.2637
31.....	52,900.804	1,644,823.7	20,649.325	30.0926	86.....	6,394.0741	37,917.862	5,650.5534	4.9302
32.....	51,828.266	1,591,922.9	20,614.058	29.7153	87.....	5,611.0507	31,523.788	4,992.9040	4.6182
33.....	50,775.441	1,540,094.6	20,577.473	29.3315	88.....	4,866.5413	25,912.738	4,358.4152	4.3247
34.....	49,741.513	1,489,319.2	20,539.143	28.9412	89.....	4,171.9141	21,046.196	3,759.2104	4.0447
35.....	48,725.713	1,439,577.7	20,498.667	28.5445	90.....	3,533.1613	16,874.282	3,202.2599	3.7760
36.....	47,727.314	1,390,852.0	20,455.674	28.1416	91.....	2,950.1551	13,341.121	2,688.5313	3.5222
37.....	46,745.161	1,343,124.7	20,409.350	27.7329	92.....	2,422.8582	10,390.966	2,219.0806	3.2887
38.....	45,778.636	1,296,379.5	20,359.397	27.3184	93.....	1,954.7003	7,968.1075	1,798.4297	3.0764
39.....	44,827.607	1,250,600.9	20,305.988	26.8980	94.....	1,548.4676	6,013.4072	1,430.5244	2.8835
40.....	43,891.501	1,205,773.3	20,248.855	26.4717	95.....	1,204.0094	4,464.9397	1,116.4284	2.7084
41.....	42,969.349	1,161,881.8	20,187.321	26.0398	96.....	918.02178	3,260.9303	854.04878	2.5521
42.....	42,060.253	1,118,912.4	20,120.761	25.6026	97.....	686.45529	2,342.9085	640.48271	2.4131
43.....	41,163.792	1,076,852.2	20,049.011	25.1602	98.....	503.58225	1,656.4532	471.06958	2.2893
44.....	40,279.174	1,035,688.4	19,971.526	24.7128	99.....	362.62366	1,152.8709	339.98515	2.1792
45.....	39,406.064	995,409.19	19,888.203	24.2603	100....	256.47091	790.24727	240.94267	2.0812
46.....	38,544.153	956,003.12	19,798.960	23.8028	101....	178.28751	533.77636	167.78811	1.9939
47.....	37,692.403	917,458.97	19,702.978	23.3407	102....	121.90846	355.48885	114.90489	1.9160
48.....	36,849.866	879,766.57	19,599.508	22.8743	103....	82.058734	233.58039	77.445529	1.8465
49.....	36,015.325	842,916.70	19,487.514	22.4044	104....	54.420226	151.52165	51.416016	1.7843
50.....	35,188.032	806,901.38	19,366.403	21.9311	105....	35.588160	97.101428	33.651013	1.7285
51.....	34,368.358	771,713.34	19,236.691	21.4542	106....	22.969017	61.513267	21.729678	1.6781
52.....	33,556.321	737,344.99	19,098.543	20.9734	107....	14.643199	38.544250	13.854232	1.6322
53.....	32,751.299	703,788.67	18,951.488	20.4889	108....	9.2288043	23.901051	8.7269590	1.5898
54.....	31,952.424	671,037.37	18,794.795	20.0011	109....	5.7547024	14.672247	5.4338140	1.5496

**TABLE 6D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,035,151.9	11,597.506	29.3515	55.....	18,220.031	330,327.99	8,598.8168	17.1299
1.....	96,150.485	2,935,151.9	10,660.613	29.5266	56.....	17,586.929	312,107.96	8,496.3955	16.7466
2.....	93,278.106	2,839,001.4	10,588.733	29.4359	57.....	16,967.459	294,521.03	8,389.1664	16.3580
3.....	90,515.082	2,745,723.3	10,542.547	29.3344	58.....	16,361.079	277,553.57	8,276.9835	15.9643
4.....	87,846.205	2,655,208.3	10,510.032	29.2256	59.....	15,766.679	261,192.50	8,159.1202	15.5661
5.....	85,261.992	2,567,362.1	10,484.446	29.1114	60.....	15,183.312	245,425.82	8,034.9768	15.1642
6.....	82,755.455	2,482,100.1	10,461.268	28.9932	61.....	14,610.031	230,242.50	7,903.9286	14.7592
7.....	80,324.212	2,399,344.6	10,440.378	28.8708	62.....	14,046.198	215,632.47	7,765.6297	14.3517
8.....	77,966.735	2,319,020.4	10,422.442	28.7437	63.....	13,491.577	201,586.28	7,620.1220	13.9416
9.....	75,679.963	2,241,053.7	10,406.545	28.6122	64.....	12,946.413	188,094.70	7,467.9161	13.5287
10.....	73,462.467	2,165,373.7	10,393.320	28.4759	65.....	12,411.085	175,148.29	7,309.6682	13.1122
11.....	71,310.659	2,091,911.2	10,381.195	28.3352	66.....	11,885.843	162,737.20	7,145.9141	12.6917
12.....	69,222.572	2,020,600.6	10,370.118	28.1899	67.....	11,370.021	150,851.36	6,976.2812	12.2675
13.....	67,193.611	1,951,378.0	10,357.348	28.0411	68.....	10,862.785	139,481.34	6,800.2115	11.8403
14.....	65,220.207	1,884,184.4	10,341.039	27.8896	69.....	10,362.886	128,618.55	6,616.7043	11.4115
15.....	63,300.326	1,818,964.2	10,320.777	27.7355	70.....	9,869.1901	118,255.67	6,424.8400	10.9823
16.....	61,432.045	1,755,663.9	10,296.194	27.5790	71.....	9,381.2880	108,386.48	6,224.3900	10.5535
17.....	59,614.730	1,694,231.8	10,268.162	27.4197	72.....	8,899.1080	99,005.188	6,015.4514	10.1253
18.....	57,848.282	1,634,617.1	10,238.065	27.2570	73.....	8,422.4442	90,106.080	5,797.9849	9.6983
19.....	56,133.052	1,576,768.8	10,207.737	27.0898	74.....	7,951.4415	81,683.636	5,572.2961	9.2728
20.....	54,468.135	1,520,635.7	10,177.763	26.9179	75.....	7,486.1663	73,732.194	5,338.6163	8.8491
21.....	52,852.071	1,466,167.6	10,148.149	26.7410	76.....	7,027.1844	66,246.028	5,097.6780	8.4271
22.....	51,283.442	1,413,315.5	10,118.901	26.5589	77.....	6,574.3745	59,218.843	4,849.5434	8.0075
23.....	49,761.369	1,362,032.1	10,090.521	26.3713	78.....	6,126.6149	52,644.469	4,593.2704	7.5927
24.....	48,283.988	1,312,270.7	10,062.500	26.1782	79.....	5,682.4651	46,517.854	4,327.5657	7.1862
25.....	46,850.469	1,263,986.7	10,035.311	25.9792	80.....	5,241.3844	40,835.389	4,051.9937	6.7910
26.....	45,459.510	1,217,136.3	10,008.929	25.7741	81.....	4,804.3140	35,594.005	3,767.5850	6.4088
27.....	44,109.848	1,171,676.8	9,983.3305	25.5627	82.....	4,373.3717	30,789.691	3,476.5742	6.0403
28.....	42,799.829	1,127,566.9	9,958.0637	25.3451	83.....	3,950.9380	26,416.319	3,181.5202	5.6861
29.....	41,528.300	1,084,767.1	9,933.1317	25.1212	84.....	3,540.0021	22,465.381	2,885.6602	5.3461
30.....	40,293.337	1,043,238.8	9,907.7309	24.8911	85.....	3,143.4187	18,925.379	2,592.1837	5.0206
31.....	39,094.317	1,002,945.4	9,882.3031	24.6545	86.....	2,763.0651	15,781.960	2,303.3859	4.7118
32.....	37,929.838	963,851.13	9,856.4932	24.4114	87.....	2,401.1572	13,018.895	2,021.9557	4.4219
33.....	36,798.571	925,921.29	9,829.9792	24.1619	88.....	2,062.3376	10,617.738	1,753.0727	4.1484
34.....	35,699.258	889,122.72	9,802.4696	23.9059	89.....	1,750.8045	8,555.4003	1,501.6077	3.8866
35.....	34,630.707	853,423.46	9,773.7022	23.6435	90.....	1,468.3470	6,804.5959	1,270.1445	3.6342
36.....	33,591.785	818,792.76	9,743.4424	23.3748	91.....	1,214.1519	5,336.2488	1,058.7168	3.3950
37.....	32,581.097	785,200.97	9,711.1551	23.0999	92.....	987.45914	4,122.0969	867.38767	3.1744
38.....	31,597.654	752,619.87	9,676.6761	22.8189	93.....	788.92233	3,134.6378	697.61181	2.9733
39.....	30,640.828	721,022.22	9,640.1701	22.5314	94.....	618.89808	2,345.7155	550.56587	2.7901
40.....	29,709.703	690,381.39	9,601.4972	22.2376	95.....	476.55152	1,726.8174	426.24547	2.6236
41.....	28,803.125	660,671.69	9,560.2497	21.9375	96.....	359.82879	1,250.2659	323.40288	2.4746
42.....	27,920.015	631,868.56	9,516.0663	21.6314	97.....	266.45147	890.43707	240.50601	2.3418
43.....	27,059.645	603,948.55	9,468.9004	21.3192	98.....	193.57053	623.98560	175.38579	2.2236
44.....	26,221.059	576,888.90	9,418.4592	21.0010	99.....	138.03458	430.41507	125.48782	2.1182
45.....	25,403.624	550,667.85	9,364.7442	20.6767	100....	96.679150	292.38050	88.152817	2.0242
46.....	24,606.739	525,264.22	9,307.7710	20.3464	101....	66.554678	195.70135	60.844242	1.9405
47.....	23,829.357	500,657.48	9,247.0903	20.0101	102....	45.066563	129.14667	41.294613	1.8657
48.....	23,070.520	476,828.12	9,182.3115	19.6683	103....	30.040583	84.080104	27.581252	1.7989
49.....	22,329.127	453,757.60	9,112.8759	19.3213	104....	19.729080	54.039521	18.144717	1.7391
50.....	21,604.406	431,428.48	9,038.5178	18.9695	105....	12.776591	34.310441	11.766861	1.6854
51.....	20,896.285	409,824.07	8,959.6512	18.6123	106....	8.1661020	21.533850	7.5285059	1.6370
52.....	20,204.476	388,927.79	8,876.4718	18.2496	107....	5.1555060	13.367748	4.7557575	1.5929
53.....	19,528.313	368,723.31	8,788.7883	17.8815	108....	3.2176864	8.2122424	2.9680983	1.5522
54.....	18,867.004	349,195.00	8,696.2658	17.5082	109....	1.9869370	4.9945559	1.8310679	1.5137

TABLE 6E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,431,923.1	6,464.4936	23.3192	55.....	10,709.342	173,277.47	4,044.8210	15.1800
1.....	95,225.962	2,331,923.1	5,536.6090	23.4883	56.....	10,237.822	162,568.13	3,985.1988	14.8792
2.....	91,492.921	2,236,697.1	5,466.1052	23.4467	57.....	9,782.2394	152,330.31	3,923.3781	14.5721
3.....	87,929.096	2,145,204.2	5,421.2384	23.3970	58.....	9,341.9445	142,548.07	3,859.3232	14.2589
4.....	84,515.925	2,057,275.1	5,389.9560	23.3419	59.....	8,915.9878	133,206.12	3,792.6721	13.9401
5.....	81,240.933	1,972,759.2	5,365.5764	23.2828	60.....	8,503.5376	124,290.14	3,723.1445	13.6163
6.....	78,094.409	1,891,518.2	5,343.7038	23.2209	61.....	8,103.7896	115,786.60	3,650.4556	13.2880
7.....	75,071.254	1,813,423.8	5,324.1802	23.1560	62.....	7,716.1324	107,682.81	3,574.4826	12.9555
8.....	72,167.296	1,738,352.6	5,307.5779	23.0878	63.....	7,340.1935	99,966.676	3,495.3180	12.6191
9.....	69,377.058	1,666,185.3	5,293.0057	23.0164	64.....	6,975.8658	92,626.483	3,413.3055	12.2781
10.....	66,696.702	1,596,808.2	5,280.9981	22.9413	65.....	6,623.1151	85,650.617	3,328.8573	11.9321
11.....	64,120.542	1,530,111.5	5,270.0958	22.8630	66.....	6,281.8336	79,027.502	3,242.3110	11.5803
12.....	61,644.503	1,465,991.0	5,260.2311	22.7814	67.....	5,951.4333	72,745.668	3,153.5197	11.2232
13.....	59,262.299	1,404,346.5	5,248.9691	22.6971	68.....	5,631.2576	66,794.235	3,062.2453	10.8613
14.....	56,968.734	1,345,084.2	5,234.7233	22.6109	69.....	5,320.4555	61,162.977	2,968.0300	10.4958
15.....	54,760.100	1,288,115.4	5,217.1945	22.5229	70.....	5,018.2639	55,842.522	2,870.4713	10.1279
16.....	52,632.880	1,233,355.3	5,196.1329	22.4332	71.....	4,724.3094	50,824.258	2,769.5270	9.7580
17.....	50,584.753	1,180,722.5	5,172.3469	22.3415	72.....	4,438.3979	46,099.949	2,665.3196	9.3866
18.....	48,613.893	1,130,137.7	5,147.0545	22.2472	73.....	4,160.2725	41,661.551	2,557.9018	9.0141
19.....	46,718.886	1,081,523.8	5,121.8127	22.1496	74.....	3,889.8548	37,501.278	2,447.4946	8.6408
20.....	44,897.299	1,034,804.9	5,097.1056	22.0483	75.....	3,627.0278	33,611.423	2,334.2774	8.2669
21.....	43,146.304	989,907.64	5,072.9301	21.9430	76.....	3,371.9152	29,984.396	2,218.6659	7.8924
22.....	41,463.183	946,761.33	5,049.2826	21.8338	77.....	3,124.3064	26,612.481	2,100.7461	7.5179
23.....	39,845.721	905,298.15	5,026.5576	21.7201	78.....	2,883.5245	23,488.174	1,980.1299	7.1456
24.....	38,290.971	865,452.43	5,004.3360	21.6020	79.....	2,648.7668	20,604.650	1,856.2770	6.7790
25.....	36,796.887	827,161.46	4,982.9814	21.4791	80.....	2,419.6739	17,955.883	1,729.0597	6.4208
26.....	35,361.101	790,364.57	4,962.4601	21.3512	81.....	2,196.5753	15,536.209	1,599.0255	6.0729
27.....	33,981.338	755,003.47	4,942.7394	21.2182	82.....	1,980.3183	13,339.634	1,467.2521	5.7361
28.....	32,655.085	721,022.13	4,923.4616	21.0799	83.....	1,771.8326	11,359.315	1,334.9326	5.4111
29.....	31,380.281	688,367.05	4,904.6221	20.9363	84.....	1,572.2800	9,587.4827	1,203.5274	5.0978
30.....	30,154.338	656,986.77	4,885.6129	20.7875	85.....	1,382.7144	8,015.2028	1,074.4341	4.7967
31.....	28,975.709	626,832.43	4,866.7664	20.6330	86.....	1,203.7194	6,632.4883	948.62039	4.5100
32.....	27,842.313	597,856.72	4,847.8208	20.4730	87.....	1,035.9973	5,428.7689	827.19519	4.2401
33.....	26,752.180	570,014.41	4,828.5453	20.3072	88.....	881.25516	4,392.7716	712.29911	3.9847
34.....	25,703.443	543,262.23	4,808.7384	20.1358	89.....	740.94069	3,511.5165	605.87908	3.7393
35.....	24,694.335	517,558.78	4,788.2251	19.9586	90.....	615.42962	2,770.5758	508.86572	3.5019
36.....	23,723.183	492,864.45	4,766.8550	19.7756	91.....	503.99543	2,155.1462	421.10190	3.2761
37.....	22,788.170	469,141.26	4,744.2724	19.5871	92.....	405.95378	1,651.1507	342.44469	3.0673
38.....	21,887.819	446,353.09	4,720.3886	19.3928	93.....	321.21483	1,245.1970	273.31935	2.8765
39.....	21,020.935	424,465.28	4,695.3439	19.1925	94.....	249.56539	923.98213	214.02433	2.7024
40.....	20,186.161	403,444.34	4,669.0677	18.9862	95.....	190.31761	674.41674	164.37521	2.5436
41.....	19,382.014	383,258.18	4,641.3117	18.7739	96.....	142.32097	484.09913	123.69848	2.4015
42.....	18,607.106	363,876.17	4,611.8660	18.5558	97.....	104.37464	341.77816	91.226037	2.2745
43.....	17,860.317	345,269.06	4,580.7349	18.3316	98.....	75.096552	237.40351	65.962355	2.1613
44.....	17,140.409	327,408.74	4,547.7620	18.1016	99.....	53.036218	162.30696	46.790350	2.0603
45.....	16,446.387	310,268.33	4,512.9867	17.8654	100....	36.789286	109.27074	32.583273	1.9702
46.....	15,777.304	293,821.95	4,476.4568	17.6231	101....	25.082511	72.481458	22.291470	1.8897
47.....	15,131.952	278,044.64	4,437.9237	17.3747	102....	16.820959	47.398947	14.994630	1.8179
48.....	14,509.214	262,912.69	4,397.1839	17.1204	103....	11.104744	30.577988	9.9253750	1.7536
49.....	13,907.918	248,403.48	4,353.9352	16.8606	104....	7.2228886	19.473244	6.4706250	1.6960
50.....	13,327.129	234,495.56	4,308.0659	16.5954	105....	4.6325802	12.250355	4.1581200	1.6444
51.....	12,766.364	221,168.43	4,259.8832	16.3243	106....	2.9324233	7.6177747	2.6361392	1.5978
52.....	12,225.022	208,402.06	4,209.5542	16.0472	107....	1.8335258	4.6853514	1.6500273	1.5554
53.....	11,702.284	196,177.04	4,157.0101	15.7640	108....	1.1333482	2.8518256	1.0203698	1.5163
54.....	11,197.286	184,474.76	4,102.0994	15.4750	109....	.6931187	1.7184774	.6237307	1.4793

TABLE 6F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,016,626.9	3,970.1445	19.1663	55.....	6,326.8133	92,160.269	1,938.2280	13.5666
1.....	94,319.048	1,916,626.9	3,051.0968	19.3207	56.....	5,990.6486	85,833.455	1,903.3402	13.3279
2.....	89,758.497	1,822,307.9	2,981.9295	19.3023	57.....	5,669.5499	79,842.807	1,867.5104	13.0827
3.....	85,440.686	1,732,549.4	2,938.3325	19.2778	58.....	5,362.8002	74,173.257	1,830.7393	12.8311
4.....	81,341.974	1,647,108.7	2,908.2249	19.2492	59.....	5,069.5317	68,810.457	1,792.8422	12.5733
5.....	77,445.306	1,565,766.7	2,884.9843	19.2177	60.....	4,788.9693	63,740.925	1,753.6861	12.3099
6.....	73,736.782	1,488,321.4	2,864.3322	19.1842	61.....	4,520.3765	58,951.956	1,713.1395	12.0414
7.....	70,207.248	1,414,584.7	2,846.0736	19.1487	62.....	4,263.1456	54,431.579	1,671.1646	11.7679
8.....	66,848.667	1,344,377.4	2,830.6949	19.1108	63.....	4,016.8170	50,168.434	1,627.8429	11.4896
9.....	63,652.028	1,277,528.7	2,817.3251	19.0705	64.....	3,781.0872	46,151.617	1,583.3901	11.2059
10.....	60,610.067	1,213,876.7	2,806.4134	19.0276	65.....	3,555.6984	42,370.529	1,538.0531	10.9162
11.....	57,714.060	1,153,266.6	2,796.6003	18.9824	66.....	3,340.3585	38,814.831	1,492.0322	10.6200
12.....	54,956.977	1,095,552.6	2,787.8058	18.9347	67.....	3,134.5288	35,474.473	1,445.2672	10.3173
13.....	52,330.034	1,040,595.6	2,777.8612	18.8852	68.....	2,937.6505	32,339.944	1,397.6522	10.0088
14.....	49,825.668	988,265.57	2,765.4017	18.8345	69.....	2,749.0814	29,402.293	1,348.9711	9.6953
15.....	47,437.832	938,439.90	2,750.2167	18.7825	70.....	2,568.2442	26,653.212	1,299.0425	9.3780
16.....	45,160.816	891,002.07	2,732.1451	18.7295	71.....	2,394.7776	24,084.968	1,247.8733	9.0573
17.....	42,990.086	845,841.25	2,711.9303	18.6753	72.....	2,228.4204	21,690.190	1,195.5532	8.7334
18.....	40,921.649	802,851.17	2,690.6400	18.6192	73.....	2,068.8867	19,461.770	1,142.1347	8.4069
19.....	38,951.954	761,929.52	2,669.5945	18.5608	74.....	1,915.9861	17,392.883	1,087.7526	8.0778
20.....	37,076.695	722,977.56	2,649.1911	18.4995	75.....	1,769.5136	15,476.897	1,032.5174	7.7464
21.....	35,291.364	685,900.87	2,629.4169	18.4354	76.....	1,629.3849	13,707.383	976.65135	7.4126
22.....	33,591.665	650,609.50	2,610.2587	18.3682	77.....	1,495.3564	12,077.998	920.21256	7.0770
23.....	31,973.826	617,017.84	2,592.0233	18.2976	78.....	1,366.9694	10,582.642	863.03298	6.7417
24.....	30,433.601	585,044.01	2,574.3615	18.2236	79.....	1,243.7208	9,215.6726	804.87820	6.4098
25.....	28,967.571	554,610.41	2,557.5506	18.1459	80.....	1,125.3304	7,971.9518	745.71262	6.0841
26.....	27,572.162	525,642.84	2,541.5494	18.0643	81.....	1,011.8435	6,846.6213	685.81289	5.7665
27.....	26,243.972	498,070.68	2,526.3191	17.9785	82.....	903.53773	5,834.7778	625.69011	5.4577
28.....	24,979.512	471,826.71	2,511.5725	17.8885	83.....	800.71514	4,931.2401	565.89312	5.1585
29.....	23,775.737	446,847.20	2,497.2985	17.7943	84.....	703.76760	4,130.5249	507.07488	4.8692
30.....	22,629.294	423,071.46	2,483.0330	17.6957	85.....	613.02179	3,426.7573	449.84182	4.5899
31.....	21,537.700	400,442.16	2,469.0244	17.5926	86.....	528.58242	2,813.7356	394.59396	4.3232
32.....	20,498.147	378,904.46	2,455.0762	17.4848	87.....	450.59889	2,285.1531	341.78102	4.0714
33.....	19,507.989	358,406.32	2,441.0203	17.3723	88.....	379.64459	1,834.5542	292.28381	3.8323
34.....	18,564.731	338,898.33	2,426.7145	17.2550	89.....	316.15717	1,454.9097	246.87470	3.6019
35.....	17,666.021	320,333.60	2,412.0395	17.1328	90.....	260.10099	1,138.7525	205.87363	3.3781
36.....	16,809.640	302,667.58	2,396.8972	17.0056	91.....	210.97659	878.65150	169.13498	3.1647
37.....	15,993.332	285,857.94	2,381.0481	16.8736	92.....	168.31712	667.67491	136.52202	2.9668
38.....	15,215.142	269,864.60	2,364.4455	16.7366	93.....	131.91413	499.35779	108.13414	2.7855
39.....	14,473.368	254,649.46	2,347.2017	16.5943	94.....	101.51358	367.44365	84.015209	2.6197
40.....	13,766.240	240,176.09	2,329.2823	16.4467	95.....	76.676591	265.93007	64.012200	2.4682
41.....	13,091.957	226,409.85	2,310.5340	16.2938	96.....	56.793256	189.25348	47.780131	2.3323
42.....	12,448.830	213,317.90	2,290.8337	16.1356	97.....	41.254080	132.46023	34.945396	2.2108
43.....	11,835.399	200,869.07	2,270.2042	15.9719	98.....	29.399229	91.206147	25.055025	2.1023
44.....	11,250.167	189,033.67	2,248.5623	15.8027	99.....	20.565181	61.806918	17.620940	2.0054
45.....	10,691.837	177,783.50	2,225.9548	15.6280	100....	14.129454	41.241738	12.164508	1.9188
46.....	10,159.180	167,091.67	2,202.4328	15.4474	101....	9.5415531	27.112283	8.2494376	1.8415
47.....	9,650.8338	156,932.49	2,177.8573	15.2610	102....	6.3378631	17.570730	5.5001073	1.7723
48.....	9,165.5347	147,281.65	2,152.1217	15.0691	103....	4.1442381	11.232867	3.6082853	1.7105
49.....	8,702.0206	138,116.12	2,125.0616	14.8717	104....	2.6698761	7.0886290	2.3312679	1.6550
50.....	8,259.2120	129,414.10	2,096.6350	14.6691	105....	1.6960833	4.4187529	1.4846121	1.6053
51.....	7,836.3404	121,154.88	2,067.0591	14.4606	106....	1.0633957	2.7226697	.9326904	1.5604
52.....	7,432.5823	113,318.54	2,036.4601	14.2462	107....	.6585661	1.6592739	.5784986	1.5195
53.....	7,047.0082	105,885.96	2,004.8185	14.0257	108....	.4031992	1.0007079	.3544921	1.4819
54.....	6,678.6846	98,838.953	1,972.0667	13.7992	109....	.2442351	.5975086	.2147279	1.4464

TABLE 6G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,718,749.9	2,712.2720	16.1875	55.....	3,756.4177	49,655.443	945.73191	12.2188
1.....	93,429.245	1,618,749.9	1,801.8946	16.3259	56.....	3,523.2717	45,899.025	925.21336	12.0274
2.....	88,072.929	1,525,320.6	1,734.0262	16.3188	57.....	3,302.9675	42,375.754	904.33964	11.8296
3.....	83,045.294	1,437,247.7	1,691.6515	16.3068	58.....	3,094.7871	39,072.786	883.11963	11.6254
4.....	78,315.630	1,354,202.4	1,662.6640	16.2916	59.....	2,897.9470	35,977.999	861.45612	11.4150
5.....	73,860.505	1,275,886.8	1,640.4992	16.2743	60.....	2,711.7402	33,080.052	839.28409	11.1988
6.....	69,660.211	1,202,026.3	1,620.9889	16.2556	61.....	2,535.5027	30,368.312	816.54129	10.9772
7.....	65,700.094	1,132,366.0	1,603.9024	16.2354	62.....	2,368.6618	27,832.809	793.21945	10.7504
8.....	61,966.965	1,066,665.9	1,589.6467	16.2135	63.....	2,210.7436	25,464.147	769.37641	10.5184
9.....	58,447.124	1,004,699.0	1,577.3703	16.1899	64.....	2,061.3724	23,253.404	745.14165	10.2805
10.....	55,128.872	946,251.86	1,567.4453	16.1644	65.....	1,920.2073	21,192.031	720.65799	10.0363
11.....	51,999.528	891,122.99	1,558.6039	16.1371	66.....	1,786.8978	19,271.824	696.03949	9.7851
12.....	49,048.309	839,123.46	1,550.7549	16.1081	67.....	1,660.9721	17,484.926	671.25892	9.5269
13.....	46,263.198	790,075.15	1,541.9632	16.0778	68.....	1,541.9619	15,823.954	646.26599	9.2622
14.....	43,633.616	743,811.95	1,531.0521	16.0468	69.....	1,429.3695	14,281.992	620.95455	8.9918
15.....	41,150.616	700,178.34	1,517.8796	16.0150	70.....	1,322.7467	12,852.623	595.23938	8.7166
16.....	38,805.807	659,027.72	1,502.3511	15.9827	71.....	1,221.7687	11,529.876	569.13385	8.4370
17.....	36,592.046	620,221.91	1,485.1448	15.9496	72.....	1,126.1711	10,308.107	542.69293	8.1532
18.....	34,502.847	583,629.87	1,467.1939	15.9154	73.....	1,035.6843	9,181.9364	515.95168	7.8656
19.....	32,532.279	549,127.02	1,449.6170	15.8795	74.....	950.09376	8,146.2521	488.98481	7.5742
20.....	30,673.949	516,594.74	1,432.7371	15.8415	75.....	869.18342	7,196.1584	461.85336	7.2792
21.....	28,921.483	485,920.79	1,416.5320	15.8014	76.....	792.80187	6,326.9749	434.67087	6.9805
22.....	27,268.866	456,999.31	1,400.9798	15.7590	77.....	720.72422	5,534.1731	407.46880	6.6786
23.....	25,710.681	429,730.44	1,386.3164	15.7141	78.....	652.62938	4,813.4489	380.16967	6.3755
24.....	24,241.292	404,019.76	1,372.2483	15.6666	79.....	588.18530	4,160.8195	352.66688	6.0740
25.....	22,855.879	379,778.47	1,358.9842	15.6162	80.....	527.17495	3,572.6342	324.95003	5.7769
26.....	21,549.644	356,922.59	1,346.4781	15.5628	81.....	469.53881	3,045.4592	297.15399	5.4861
27.....	20,318.062	335,372.95	1,334.6868	15.5061	82.....	415.32480	2,575.9204	269.51764	5.2022
28.....	19,156.673	315,054.89	1,323.3777	15.4462	83.....	364.58857	2,160.5956	242.29036	4.9261
29.....	18,061.490	295,898.21	1,312.5343	15.3828	84.....	317.42250	1,796.0070	215.76138	4.6581
30.....	17,028.407	277,836.72	1,301.7997	15.3161	85.....	273.88471	1,478.5845	190.19090	4.3986
31.....	16,054.093	260,808.31	1,291.3577	15.2456	86.....	233.93113	1,204.6998	165.74023	4.1498
32.....	15,135.072	244,754.22	1,281.0589	15.1713	87.....	197.53719	970.76870	142.58767	3.9144
33.....	14,268.089	229,619.15	1,270.7784	15.0932	88.....	164.86155	773.23152	121.09339	3.6902
34.....	13,450.097	215,351.06	1,260.4139	15.0111	89.....	135.99678	608.36996	101.56041	3.4734
35.....	12,678.239	201,900.96	1,249.8822	14.9250	90.....	110.82840	472.37318	84.089952	3.2622
36.....	11,949.838	189,222.73	1,239.1177	14.8348	91.....	89.048527	361.54478	68.583386	3.0601
37.....	11,262.272	177,272.89	1,227.9570	14.7404	92.....	70.372698	272.49626	54.948041	2.8722
38.....	10,613.204	166,010.62	1,216.3759	14.6419	93.....	54.632450	202.12356	43.191153	2.6997
39.....	10,000.541	155,397.41	1,204.4611	14.5389	94.....	41.645389	147.49111	33.296494	2.5416
40.....	9,422.2082	145,396.87	1,192.1963	14.4313	95.....	31.159394	105.84572	25.167786	2.3969
41.....	8,876.1645	135,974.66	1,179.4852	14.3191	96.....	22.861589	74.686325	18.633720	2.2669
42.....	8,360.5096	127,098.50	1,166.2547	14.2022	97.....	16.449776	51.824737	13.515959	2.1505
43.....	7,873.5494	118,737.99	1,152.5308	14.0806	98.....	11.612145	35.374961	9.6094475	2.0464
44.....	7,413.6152	110,864.44	1,138.2693	13.9542	99.....	8.0462306	23.762816	6.7008243	1.9533
45.....	6,979.2194	103,450.82	1,123.5120	13.8227	100....	5.4760672	15.716585	4.5861079	1.8700
46.....	6,568.9598	96,471.604	1,108.3026	13.6860	101....	3.6630756	10.240518	3.0830824	1.7956
47.....	6,181.3911	89,902.644	1,092.5619	13.5441	102....	2.4102001	6.5774423	2.0375508	1.7290
48.....	5,815.1729	83,721.253	1,076.2337	13.3970	103....	1.5611275	4.1672422	1.3249046	1.6694
49.....	5,469.0055	77,906.080	1,059.2270	13.2450	104....	.9962497	2.6061147	.8483925	1.6159
50.....	5,141.7423	72,437.075	1,041.5302	13.0880	105....	.6269136	1.6098649	.5354479	1.5679
51.....	4,832.4616	67,295.332	1,023.2915	12.9257	106....	.3893489	.9829513	.3333688	1.5246
52.....	4,540.2345	62,462.871	1,004.5999	12.7576	107....	.2388508	.5936024	.2049094	1.4852
53.....	4,264.0940	57,922.636	985.45385	12.5838	108....	.1448540	.3547516	.1244324	1.4490
54.....	4,003.0993	53,658.542	965.82293	12.4042	109....	.0869165	.2098976	.0746942	1.4149

TABLE 6H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,497,232.5	2,050.2114	13.9723	55.....	2,241.2417	27,080.243	469.63688	11.0827
1.....	92,556.075	1,397,232.5	1,148.3422	14.0961	56.....	2,082.4906	24,839.002	457.50904	10.9275
2.....	86,434.399	1,304,676.4	1,081.7364	14.0944	57.....	1,934.0304	22,756.511	445.28657	10.7664
3.....	80,738.614	1,218,242.0	1,040.5387	14.0887	58.....	1,795.1959	20,822.481	432.97746	10.5990
4.....	75,428.730	1,137,503.4	1,012.6198	14.0805	59.....	1,665.3043	19,027.285	420.52854	10.4257
5.....	70,472.992	1,062,074.7	991.47152	14.0707	60.....	1,543.7371	17,361.981	407.90646	10.2467
6.....	65,844.168	991,601.67	973.02999	14.0598	61.....	1,429.9189	15,818.243	395.08046	10.0623
7.....	61,520.606	925,757.51	957.03047	14.0479	62.....	1,323.3432	14,388.325	382.05083	9.8727
8.....	57,482.669	864,236.90	943.80642	14.0347	63.....	1,223.5730	13,064.981	368.85450	9.6777
9.....	53,710.839	806,754.23	932.52477	14.0203	64.....	1,130.2384	11,841.408	355.56672	9.4769
10.....	50,188.010	753,043.39	923.48931	14.0044	65.....	1,042.9988	10,711.170	342.26794	9.2696
11.....	46,896.709	702,855.38	915.51551	13.9873	66.....	961.51816	9,668.1711	329.02088	9.0551
12.....	43,821.687	655,958.67	908.50292	13.9688	67.....	885.40546	8,706.6530	315.81123	8.8335
13.....	40,947.066	612,136.98	900.72150	13.9495	68.....	814.28341	7,821.2475	302.61290	8.6051
14.....	38,258.719	571,189.92	891.15442	13.9297	69.....	747.77091	7,006.9641	289.37128	8.3705
15.....	35,744.371	532,931.20	879.71256	13.9095	70.....	685.52423	6,259.1932	276.04419	8.1305
16.....	33,392.591	497,186.83	866.35018	13.8891	71.....	627.27389	5,573.6689	262.64123	7.8855
17.....	31,193.362	463,794.24	851.68241	13.8684	72.....	572.78899	4,946.3951	249.19295	7.6356
18.....	29,137.515	432,600.88	836.52302	13.8469	73.....	521.84289	4,373.6061	235.71902	7.3811
19.....	27,216.618	403,463.36	821.81810	13.8242	74.....	474.24302	3,851.7632	222.25840	7.1219
20.....	25,422.101	376,246.74	807.82825	13.8000	75.....	429.80157	3,377.5201	208.84220	6.8583
21.....	23,745.668	350,824.64	794.52323	13.7743	76.....	388.36790	2,947.7186	195.52638	6.5900
22.....	22,179.564	327,078.97	781.87367	13.7469	77.....	349.75977	2,559.3507	182.32550	6.3175
23.....	20,716.749	304,899.41	770.05839	13.7175	78.....	313.75413	2,209.5909	169.20134	6.0424
24.....	19,350.218	284,182.66	758.82875	13.6863	79.....	280.12966	1,895.8368	156.10284	5.7677
25.....	18,073.827	264,832.44	748.33984	13.6528	80.....	248.72634	1,615.7071	143.02576	5.4959
26.....	16,881.630	246,758.62	738.54282	13.6170	81.....	219.46264	1,366.9808	130.03388	5.2288
27.....	15,768.073	229,876.99	729.39203	13.5786	82.....	192.30875	1,147.5181	117.23736	4.9671
28.....	14,727.823	214,108.91	720.69748	13.5377	83.....	167.23852	955.20940	104.74807	4.7117
29.....	13,756.062	199,381.09	712.43889	13.4941	84.....	144.24244	787.97088	92.692833	4.4628
30.....	12,848.033	185,625.03	704.33952	13.4477	85.....	123.29493	643.72844	81.181747	4.2210
31.....	11,999.703	172,777.00	696.53464	13.3984	86.....	104.32480	520.43350	70.277635	3.9886
32.....	11,207.049	160,777.29	688.90867	13.3461	87.....	87.271106	416.10870	60.048930	3.7680
33.....	10,466.337	149,570.24	681.36747	13.2906	88.....	72.154446	328.83760	50.641594	3.5574
34.....	9,774.0913	139,103.91	673.83562	13.2319	89.....	58.965018	256.68315	42.172550	3.3531
35.....	9,127.0830	129,329.82	666.25385	13.1699	90.....	47.603506	197.71814	34.668563	3.1534
36.....	8,522.3071	120,202.73	658.57687	13.1045	91.....	37.891056	150.11463	28.070361	2.9617
37.....	7,956.8879	111,680.43	650.69174	13.0357	92.....	29.664447	112.22357	22.322606	2.7831
38.....	7,428.2382	103,723.54	642.58613	12.9634	93.....	22.814178	82.559126	17.413002	2.6188
39.....	6,934.0174	96,295.299	634.32481	12.8874	94.....	17.228329	59.744949	13.319669	2.4678
40.....	6,471.9656	89,361.282	625.90031	12.8074	95.....	12.769895	42.516620	9.9883223	2.3294
41.....	6,039.9165	82,889.316	617.25086	12.7236	96.....	9.2816848	29.746725	7.3355258	2.2049
42.....	5,635.8630	76,849.400	608.33210	12.6358	97.....	6.6161064	20.465040	5.2771603	2.0932
43.....	5,257.9968	71,213.537	599.16724	12.5439	98.....	4.6267607	13.848933	3.7206440	1.9932
44.....	4,904.5808	65,955.540	589.73233	12.4477	99.....	3.1759901	9.2221728	2.5725588	1.9037
45.....	4,574.0488	61,050.959	580.06068	12.3472	100....	2.1413000	6.0461826	1.7456437	1.8236
46.....	4,264.9371	56,476.910	570.18587	12.2421	101....	1.4189815	3.9048826	1.1634102	1.7519
47.....	3,975.7983	52,211.973	560.06162	12.1325	102....	.9249240	2.4859011	.7621833	1.6877
48.....	3,705.2954	48,236.175	549.65766	12.0182	103....	.5934900	1.5609771	.4912584	1.6302
49.....	3,452.1579	44,530.879	538.92270	11.8994	104....	.3752022	.9674871	.3117970	1.5786
50.....	3,215.2495	41,078.721	527.85643	11.7762	105....	.2338982	.5922850	.1950390	1.5322
51.....	2,993.6077	37,863.472	516.55799	11.6481	106....	.1439064	.3583867	.1203489	1.4904
52.....	2,786.2933	34,869.864	505.08715	11.5148	107....	.0874561	.2144803	.0733130	1.4524
53.....	2,592.3725	32,083.571	493.44722	11.3761	108....	.0525431	.1270242	.0441215	1.4175
54.....	2,410.9549	29,491.198	481.62406	11.2322	109....	.0312327	.0744811	.0262485	1.3847



**TABLE 6I.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,327,264.4	1,684.1183	12.2726	55.....	1,343.6616	14,937.153	237.20581	10.1168
1.....	91,699.074	1,227,264.4	790.59975	12.3836	56.....	1,236.9276	13,593.492	230.00229	9.9897
2.....	84,841.172	1,135,565.3	725.22171	12.3846	57.....	1,138.1108	12,356.564	222.80978	9.8571
3.....	78,516.577	1,050,724.2	685.15782	12.3822	58.....	1,046.6299	11,218.453	215.63336	9.7186
4.....	72,673.635	972,207.58	658.25862	12.3777	59.....	961.91104	10,171.823	208.44263	9.5746
5.....	67,270.216	899,533.94	638.07150	12.3719	60.....	883.43513	9,209.9121	201.21939	9.4251
6.....	62,269.796	832,263.73	620.63107	12.3654	61.....	810.72351	8,326.4769	193.94741	9.2704
7.....	57,642.228	769,993.93	605.64020	12.3582	62.....	743.35089	7,515.7534	186.62838	9.1106
8.....	53,360.158	712,351.71	593.36454	12.3499	63.....	680.94383	6,772.4025	179.28434	8.9456
9.....	49,397.178	658,991.55	582.98895	12.3407	64.....	623.17709	6,091.4587	171.95789	8.7748
10.....	45,729.895	609,594.37	574.75609	12.3303	65.....	569.75120	5,468.2816	164.69326	8.5977
11.....	42,335.297	563,864.48	567.55786	12.3190	66.....	520.37804	4,898.5304	157.52389	8.4134
12.....	39,193.077	521,529.18	561.28597	12.3067	67.....	474.74859	4,378.1524	150.44097	8.2220
13.....	36,282.991	482,336.10	554.39089	12.2937	68.....	432.57070	3,903.4038	143.42964	8.0237
14.....	33,586.963	446,053.11	545.99205	12.2805	69.....	393.55923	3,470.8331	136.46044	7.8191
15.....	31,089.088	412,466.15	536.04036	12.2672	70.....	357.45746	3,077.2739	129.51121	7.6088
16.....	28,774.678	381,377.06	524.52588	12.2539	71.....	324.05504	2,719.8164	122.58712	7.3931
17.....	26,630.698	352,602.38	512.00357	12.2404	72.....	293.16780	2,395.7614	115.70396	7.1720
18.....	24,645.232	325,971.68	499.18138	12.2266	73.....	264.61923	2,102.5936	108.87152	6.9457
19.....	22,807.337	301,326.45	486.85876	12.2118	74.....	238.25531	1,837.9743	102.10903	6.7143
20.....	21,106.289	278,519.11	475.24391	12.1960	75.....	213.92900	1,599.7190	95.431259	6.4778
21.....	19,531.917	257,412.82	464.29991	12.1791	76.....	191.51598	1,385.7900	88.864827	6.2359
22.....	18,074.799	237,880.91	453.99140	12.1609	77.....	170.88013	1,194.2740	82.415349	5.9890
23.....	16,726.386	219,806.11	444.45192	12.1413	78.....	151.86972	1,023.3939	76.062722	5.7386
24.....	15,478.412	203,079.72	435.46924	12.1202	79.....	134.33861	871.52420	69.781222	5.4875
25.....	14,323.550	187,601.31	427.15676	12.0974	80.....	118.17444	737.18559	63.568062	5.2381
26.....	13,254.854	173,277.76	419.46448	12.0728	81.....	103.30525	619.01115	57.452534	4.9921
27.....	12,265.895	160,022.91	412.34613	12.0462	82.....	89.685217	515.70591	51.484743	4.7502
28.....	11,350.609	147,757.01	405.64532	12.0175	83.....	77.271289	426.02069	45.714164	4.5133
29.....	10,503.517	136,406.40	399.33942	11.9867	84.....	66.029032	348.74940	40.195706	4.2818
30.....	9,719.3520	125,902.88	393.21237	11.9538	85.....	55.917419	282.72037	34.975133	4.0560
31.....	8,993.5504	116,183.53	387.36276	11.9185	86.....	46.875883	226.80295	30.075628	3.8384
32.....	8,321.6989	107,189.98	381.70016	11.8808	87.....	38.850124	179.92707	25.522157	3.6313
33.....	7,699.7290	98,868.284	376.15236	11.8405	88.....	31.823288	141.07694	21.373107	3.4331
34.....	7,123.8890	91,168.555	370.66274	11.7976	89.....	25.765371	109.25365	17.672471	3.2403
35.....	6,590.7187	84,044.666	365.18789	11.7520	90.....	20.608241	83.488282	14.423887	3.0512
36.....	6,097.0251	77,453.947	359.69563	11.7036	91.....	16.251697	62.880041	11.593880	2.8691
37.....	5,639.8046	71,356.922	354.10669	11.6524	92.....	12.605449	46.628343	9.1514603	2.6991
38.....	5,216.3493	65,717.117	348.41466	11.5983	93.....	9.6047682	34.022895	7.0845169	2.5423
39.....	4,824.2054	60,500.768	342.66702	11.5411	94.....	7.1859674	24.418126	5.3771804	2.3980
40.....	4,461.0500	55,676.562	336.86011	11.4806	95.....	5.2770285	17.232159	4.0005353	2.2655
41.....	4,124.6950	51,215.512	330.95335	11.4168	96.....	3.8000468	11.955131	2.9144447	2.1460
42.....	3,813.1278	47,090.817	324.91907	11.3497	97.....	2.6836423	8.1550838	2.0795251	2.0388
43.....	3,524.5305	43,277.690	318.77570	11.2790	98.....	1.8593417	5.4714414	1.4540128	1.9427
44.....	3,257.1884	39,753.159	312.50986	11.2047	99.....	1.2645073	3.6120997	.9969075	1.8565
45.....	3,009.5516	36,495.971	306.14628	11.1267	100....	.8446558	2.3475924	.6707231	1.7793
46.....	2,780.1847	33,486.419	299.70919	11.0447	101....	.5545478	1.5029367	.4431822	1.7102
47.....	2,567.7065	30,706.234	293.17060	10.9586	102....	.3581198	.9483889	.2878318	1.6482
48.....	2,370.8490	28,138.528	286.51359	10.8685	103....	.2276647	.5902691	.1839042	1.5927
49.....	2,188.4254	25,767.679	279.70837	10.7745	104....	.1425961	.3626044	.1156996	1.5429
50.....	2,019.3695	23,579.254	272.75810	10.6765	105....	.0880703	.2200083	.0717364	1.4981
51.....	1,862.7562	21,559.884	265.72770	10.5742	106....	.0536837	.1319381	.0438736	1.4577
52.....	1,717.7027	19,697.128	258.65612	10.4671	107....	.0323231	.0782544	.0264895	1.4210
53.....	1,583.3561	17,979.425	251.54674	10.3553	108....	.0192397	.0459313	.0158005	1.3873
54.....	1,458.9160	16,396.069	244.39232	10.2385	109....	.0113306	.0266916	.0093165	1.3557

**TABLE 6J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,085,294.0	1,336.9081	9.8529	55.....	489.77745	4,689.0590	63.499350	8.5739
1.....	90,031.818	985,294.01	459.63535	9.9438	56.....	442.67422	4,199.2816	60.921340	8.4862
2.....	81,784.085	895,262.19	396.61307	9.9467	57.....	399.90384	3,756.6074	58.394072	8.3938
3.....	74,311.250	813,478.11	358.69500	9.9469	58.....	361.07318	3,356.7035	55.918304	8.2965
4.....	67,530.686	739,166.86	333.69940	9.9456	59.....	325.81274	2,995.6304	53.482701	8.1943
5.....	61,373.116	671,636.17	315.28194	9.9435	60.....	293.79127	2,669.8176	51.080573	8.0875
6.....	55,778.119	610,263.06	299.65969	9.9409	61.....	264.70861	2,376.0264	48.706205	7.9760
7.....	50,694.197	554,484.94	286.47577	9.9378	62.....	238.29791	2,111.3177	46.359924	7.8600
8.....	46,075.034	503,790.74	275.87607	9.9341	63.....	214.32297	1,873.0198	44.048435	7.7392
9.....	41,877.599	457,715.70	267.07993	9.9298	64.....	192.57503	1,658.6969	41.784405	7.6132
10.....	38,063.691	415,838.11	260.22723	9.9248	65.....	172.86410	1,466.1218	39.580296	7.4814
11.....	34,597.473	377,774.41	254.34466	9.9191	66.....	155.01353	1,293.2577	37.444639	7.3429
12.....	31,447.216	343,176.94	249.31230	9.9128	67.....	138.84984	1,138.2442	35.373094	7.1977
13.....	28,582.946	311,729.73	243.88051	9.9061	68.....	124.21381	999.39436	33.359771	7.0458
14.....	25,978.001	283,146.78	237.38439	9.8995	69.....	110.95681	875.18055	31.394935	6.8876
15.....	23,608.807	257,168.78	229.82715	9.8929	70.....	98.946237	764.22375	29.471347	6.7236
16.....	21,453.967	233,559.97	221.24213	9.8866	71.....	88.069347	665.27751	27.589570	6.5540
17.....	19,494.439	212,106.00	212.07543	9.8803	72.....	78.226397	577.20816	25.752923	6.3787
18.....	17,713.002	192,611.57	202.85988	9.8740	73.....	69.324944	498.98177	23.962961	6.1977
19.....	16,094.034	174,898.56	194.16441	9.8673	74.....	61.283251	429.65682	22.223535	6.0110
20.....	14,622.893	158,804.53	186.11739	9.8600	75.....	54.025642	368.37357	20.537132	5.8185
21.....	13,286.094	144,181.64	178.67301	9.8521	76.....	47.486084	314.34793	18.908995	5.6198
22.....	12,071.383	130,895.54	171.78840	9.8435	77.....	41.599105	266.86184	17.338933	5.4151
23.....	10,967.729	118,824.16	165.53322	9.8340	78.....	36.299000	225.26274	15.820565	5.2058
24.....	9,964.8802	107,856.43	159.75024	9.8237	79.....	31.525022	188.96374	14.346496	4.9941
25.....	9,053.7278	97,891.549	154.49603	9.8123	80.....	27.227588	157.43872	12.914973	4.7823
26.....	8,225.8878	88,837.821	149.72225	9.7998	81.....	23.368944	130.21113	11.531564	4.5720
27.....	7,473.7426	80,611.933	145.38496	9.7860	82.....	19.919051	106.84218	10.206120	4.3638
28.....	6,790.3028	73,138.191	141.37632	9.7710	83.....	16.849887	86.923134	8.9477797	4.1587
29.....	6,169.2987	66,347.888	137.67251	9.7545	84.....	14.136596	70.073248	7.7662963	3.9569
30.....	5,604.9201	60,178.589	134.13919	9.7367	85.....	11.754065	55.936652	6.6689109	3.7589
31.....	5,092.0699	54,573.669	130.82719	9.7174	86.....	9.6743437	44.182587	5.6577407	3.5670
32.....	4,626.0066	49,481.600	127.67937	9.6964	87.....	7.8721893	34.508243	4.7350722	3.3836
33.....	4,202.4326	44,855.593	124.65143	9.6737	88.....	6.3311009	26.636054	3.9096373	3.2072
34.....	3,817.4516	40,653.160	121.70973	9.6493	89.....	5.0327072	20.304953	3.1867983	3.0346
35.....	3,467.5301	36,835.709	118.82929	9.6230	90.....	3.9521850	15.272245	2.5637949	2.8643
36.....	3,149.4630	33,368.179	115.99222	9.5949	91.....	3.0600331	11.320061	2.0309326	2.6993
37.....	2,860.3137	30,218.716	113.15770	9.5648	92.....	2.3303265	8.2600274	1.5794108	2.5446
38.....	2,597.4508	27,358.402	110.32339	9.5328	93.....	1.7433172	5.9297009	1.2042494	2.4014
39.....	2,358.5090	24,760.951	107.51342	9.4986	94.....	1.2805775	4.1863836	.8999930	2.2691
40.....	2,141.3117	22,402.442	104.72609	9.4620	95.....	.9232963	2.9058062	.6591280	2.1472
41.....	1,943.8633	20,261.130	101.94239	9.4231	96.....	.6527873	1.9825098	.4725550	2.0370
42.....	1,764.3564	18,317.267	99.150295	9.3818	97.....	.4526249	1.3297225	.3317369	1.9378
43.....	1,601.1695	16,552.911	96.359404	9.3380	98.....	.3078960	.8770976	.2281557	1.8487
44.....	1,452.8138	14,951.741	93.564635	9.2916	99.....	.2055878	.5692016	.1538380	1.7687
45.....	1,317.9531	13,498.927	90.777874	9.2423	100....	.1348301	.3636138	.1017701	1.6968
46.....	1,195.3715	12,180.974	88.010172	9.1901	101....	.0869115	.2287837	.0661088	1.6324
47.....	1,083.9411	10,985.603	85.249951	9.1349	102....	.0551058	.1418723	.0422042	1.5745
48.....	982.64189	9,901.6617	82.490828	9.0766	103....	.0343950	.0867664	.0265030	1.5226
49.....	890.54155	8,919.0198	79.721565	9.0153	104....	.0211514	.0523714	.0163862	1.4760
50.....	806.80636	8,028.4782	76.944694	8.9509	105....	.0128260	.0312200	.0099837	1.4341
51.....	730.70251	7,221.6719	74.186883	8.8832	106....	.0076760	.0183940	.0059997	1.3963
52.....	661.55148	6,490.9694	71.463356	8.8117	107....	.0045377	.0107180	.0035592	1.3620
53.....	598.72213	5,829.4179	68.775051	8.7364	108....	.0026519	.0061802	.0020859	1.3305
54.....	541.63670	5,230.6957	66.118902	8.6572	109....	.0015333	.0035284	.0012084	1.3011

**TABLE 6K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
WHITE FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	922,260.30	1,186.3962	8.2226	55.....	181.80475	1,528.5077	18.036062	7.4074
1.....	88,424.107	822,260.30	324.78906	8.2991	56.....	161.38580	1,346.7030	17.096196	7.3446
2.....	78,889.304	733,836.19	263.99748	8.3021	57.....	143.18955	1,185.3172	16.191283	7.2780
3.....	70,400.956	654,946.89	228.07467	8.3031	58.....	126.97717	1,042.1276	15.320639	7.2072
4.....	62,834.739	584,545.94	204.81722	8.3029	59.....	112.53125	915.15046	14.479415	7.1324
5.....	56,085.615	521,711.20	187.98648	8.3020	60.....	99.659484	802.61921	13.664568	7.0536
6.....	50,062.420	465,625.58	173.96508	8.3009	61.....	88.190635	702.95973	12.873521	6.9709
7.....	44,686.968	415,563.16	162.34345	8.2994	62.....	77.973908	614.76909	12.105790	6.8843
8.....	39,889.902	370,876.19	153.16666	8.2975	63.....	68.876720	536.79518	11.362950	6.7936
9.....	35,608.504	330,986.29	145.68730	8.2951	64.....	60.782475	467.91846	10.648354	6.6982
10.....	31,787.585	295,377.79	139.96451	8.2922	65.....	53.586807	407.13599	9.9650935	6.5977
11.....	28,376.947	263,590.20	135.13960	8.2889	66.....	47.195145	353.54918	9.3148750	6.4912
12.....	25,332.506	235,213.26	131.08575	8.2850	67.....	41.519086	306.35404	8.6954387	6.3786
13.....	22,614.011	209,880.75	126.78828	8.2810	68.....	36.479336	264.83495	8.1041625	6.2599
14.....	20,186.034	187,266.74	121.74051	8.2770	69.....	32.004103	228.35561	7.5374299	6.1352
15.....	18,017.477	167,080.70	115.97307	8.2733	70.....	28.030165	196.35151	6.9925029	6.0050
16.....	16,080.598	149,063.23	109.53825	8.2698	71.....	24.503370	168.32135	6.4689395	5.8693
17.....	14,350.929	132,982.63	102.79015	8.2665	72.....	21.376127	143.81798	5.9670580	5.7280
18.....	12,806.667	118,631.70	96.127215	8.2633	73.....	18.605438	122.44185	5.4866677	5.5810
19.....	11,428.349	105,825.03	89.952572	8.2599	74.....	16.153507	103.83641	5.0281765	5.4281
20.....	10,198.271	94,396.685	84.340436	8.2561	75.....	13.986197	87.682904	4.5915992	5.2692
21.....	9,100.4999	84,198.414	79.241301	8.2521	76.....	12.073709	73.696707	4.1776327	5.1039
22.....	8,120.8148	75,097.914	74.609796	8.2476	77.....	10.388025	61.622998	3.7855606	4.9321
23.....	7,246.5946	66,977.099	70.476882	8.2426	78.....	8.9026303	51.234973	3.4131684	4.7550
24.....	6,466.4211	59,730.504	66.724181	8.2370	79.....	7.5937052	42.332343	3.0580966	4.5747
25.....	5,770.2416	53,264.083	63.375499	8.2308	80.....	6.4414283	34.738638	2.7194309	4.3930
26.....	5,149.0132	47,493.842	60.387338	8.2239	81.....	5.4298365	28.297209	2.3979921	4.2114
27.....	4,594.6668	42,344.828	57.720884	8.2161	82.....	4.5455973	22.867373	2.0955211	4.0307
28.....	4,099.9607	37,750.162	55.300480	8.2074	83.....	3.7765390	18.321776	1.8134912	3.8515
29.....	3,658.4827	33,650.201	53.104072	8.1979	84.....	3.1118345	14.545237	1.5534158	3.6742
30.....	3,264.4446	29,991.718	51.046176	8.1874	85.....	2.5411740	11.433402	1.3161662	3.4993
31.....	2,912.7881	26,727.274	49.151632	8.1758	86.....	2.0541989	8.8922282	1.1014596	3.3288
32.....	2,598.9352	23,814.486	47.383153	8.1632	87.....	1.6416901	6.8380293	.9090436	3.1652
33.....	2,318.8071	21,215.550	45.712409	8.1493	88.....	1.2967299	5.1963392	.7399788	3.0073
34.....	2,068.7693	18,896.743	44.118229	8.1343	89.....	1.0123872	3.8996093	.5945714	2.8519
35.....	1,845.5823	16,827.974	42.585124	8.1180	90.....	.7808307	2.8872222	.4714850	2.6976
36.....	1,646.3583	14,982.392	41.102066	8.1003	91.....	.5937730	2.1063914	.3680877	2.5475
37.....	1,468.5075	13,336.033	39.646803	8.0814	92.....	.4441051	1.5126185	.2820383	2.4060
38.....	1,309.7383	11,867.526	38.217631	8.0610	93.....	.3263022	1.0685134	.2118182	2.2746
39.....	1,168.0176	10,557.788	36.826034	8.0391	94.....	.2354096	.7422112	.1558865	2.1529
40.....	1,041.5171	9,389.7700	35.470299	8.0155	95.....	.1666994	.5068016	.1123987	2.0402
41.....	928.59618	8,348.2529	34.140505	7.9902	96.....	.1157549	.3401022	.0793149	1.9381
42.....	827.79374	7,419.6567	32.830521	7.9632	97.....	.0788280	.2243473	.0547903	1.8460
43.....	737.81552	6,591.8630	31.544484	7.9343	98.....	.0526649	.1455193	.0370730	1.7631
44.....	657.49903	5,854.0475	30.279658	7.9035	99.....	.0345373	.0928544	.0245882	1.6885
45.....	585.81403	5,196.5484	29.040977	7.8706	100....	.0222461	.0583171	.0159973	1.6215
46.....	521.84000	4,610.7344	27.832735	7.8355	101....	.0140837	.0360710	.0102185	1.5612
47.....	464.74511	4,088.8944	26.649277	7.7981	102....	.0087703	.0219873	.0064140	1.5070
48.....	413.78913	3,624.1493	25.487414	7.7584	103....	.0053763	.0132170	.0039597	1.4584
49.....	368.30927	3,210.3602	24.342105	7.7165	104....	.0032472	.0078407	.0024066	1.4146
50.....	327.71961	2,842.0509	23.214158	7.6722	105....	.0019339	.0045935	.0014412	1.3753
51.....	291.50660	2,514.3313	22.113956	7.6253	106....	.0011367	.0026596	.0008513	1.3398
52.....	259.20662	2,222.8247	21.046834	7.5755	107....	.0006600	.0015229	.0004963	1.3076
53.....	230.39997	1,963.6181	20.012321	7.5226	108....	.0003788	.0008629	.0002859	1.2781
54.....	204.71038	1,733.2181	19.008436	7.4667	109....	.0002151	.0004841	.0001628	1.2506

**TABLE 7A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,973,712.0	50,755.087	48.7371	55.....	47,284.134	940,541.53	37,971.601	18.8913
1.....	97,125.743	4,873,712.0	48,870.929	49.1794	56.....	46,155.400	893,257.39	37,311.028	18.3533
2.....	96,040.050	4,776,586.2	48,746.877	48.7354	57.....	45,005.628	847,101.99	36,618.240	17.8221
3.....	95,002.627	4,680,546.2	48,660.346	48.2675	58.....	43,836.819	802,096.36	35,895.031	17.2973
4.....	93,993.342	4,585,543.6	48,591.681	47.7858	59.....	42,651.054	758,259.54	35,143.294	16.7782
5.....	93,010.600	4,491,550.2	48,539.566	47.2907	60.....	41,448.801	715,608.49	34,363.329	16.2649
6.....	92,043.658	4,398,539.6	48,493.521	46.7875	61.....	40,229.140	674,159.69	33,554.051	15.7580
7.....	91,093.147	4,306,496.0	48,454.334	46.2757	62.....	38,990.799	633,930.55	32,714.019	15.2585
8.....	90,157.864	4,215,402.8	48,420.963	45.7558	63.....	37,734.214	594,939.75	31,843.482	14.7666
9.....	89,235.755	4,125,244.9	48,391.505	45.2286	64.....	36,463.580	557,205.54	30,946.454	14.2812
10.....	88,326.610	4,036,009.2	48,365.883	44.6941	65.....	35,184.106	520,741.96	30,028.005	13.8005
11.....	87,428.477	3,947,682.6	48,342.271	44.1533	66.....	33,901.105	485,557.85	29,093.362	13.3228
12.....	86,539.477	3,860,254.1	48,318.899	43.6069	67.....	32,617.227	451,656.74	28,145.138	12.8472
13.....	85,654.375	3,773,714.6	48,290.624	43.0575	68.....	31,330.299	419,039.52	27,181.153	12.3749
14.....	84,769.845	3,688,060.2	48,254.157	42.5067	69.....	30,033.349	387,709.22	26,194.404	11.9093
15.....	83,883.539	3,603,290.4	48,207.156	41.9559	70.....	28,720.208	357,675.87	25,178.623	11.4538
16.....	82,994.871	3,519,406.9	48,149.019	41.4051	71.....	27,386.851	328,955.66	24,129.624	11.0114
17.....	82,104.115	3,436,412.0	48,079.994	40.8543	72.....	26,036.760	301,568.81	23,050.691	10.5824
18.....	81,211.537	3,354,307.9	48,000.328	40.3033	73.....	24,676.662	275,532.05	21,948.382	10.1657
19.....	80,318.210	3,273,096.3	47,911.076	39.7516	74.....	23,320.667	250,855.39	20,836.711	9.7568
20.....	79,423.577	3,192,778.1	47,811.672	39.1994	75.....	21,981.230	227,534.72	19,728.171	9.3513
21.....	78,527.113	3,113,354.6	47,701.580	38.6469	76.....	20,664.532	205,553.49	18,629.109	8.9472
22.....	77,628.327	3,034,827.4	47,580.291	38.0943	77.....	19,370.441	184,888.96	17,539.618	8.5449
23.....	76,729.837	2,957,199.1	47,450.398	37.5404	78.....	18,097.362	165,518.52	16,458.325	8.1460
24.....	75,833.389	2,880,469.3	47,313.652	36.9842	79.....	16,839.148	147,421.16	15,379.292	7.7547
25.....	74,941.408	2,804,635.9	47,172.496	36.4244	80.....	15,589.383	130,582.01	14,296.252	7.3763
26.....	74,053.983	2,729,694.5	47,027.066	35.8609	81.....	14,340.843	114,992.63	13,202.062	7.0185
27.....	73,170.468	2,655,640.5	46,876.758	35.2939	82.....	13,094.894	100,651.78	12,098.101	6.6863
28.....	72,291.698	2,582,470.0	46,722.448	34.7229	83.....	11,864.751	87,556.889	10,997.612	6.3796
29.....	71,417.756	2,510,178.3	46,564.265	34.1478	84.....	10,678.511	75,692.138	9,928.8443	6.0883
30.....	70,548.722	2,438,760.6	46,402.338	33.5685	85.....	9,562.5540	65,013.627	8,918.6148	5.7988
31.....	69,684.675	2,368,211.9	46,236.793	32.9847	86.....	8,518.7207	55,451.073	7,969.4604	5.5093
32.....	68,825.690	2,298,527.2	46,067.756	32.3964	87.....	7,539.4052	46,932.352	7,074.4886	5.2249
33.....	67,970.480	2,229,701.5	45,893.988	31.8040	88.....	6,623.4795	39,392.947	6,233.2104	4.9475
34.....	67,117.148	2,161,731.0	45,713.630	31.2083	89.....	5,768.2637	32,769.467	5,443.5736	4.6810
35.....	66,264.561	2,094,613.9	45,525.570	30.6099	90.....	4,973.3284	27,001.203	4,705.7499	4.4292
36.....	65,410.994	2,028,349.3	45,328.088	30.0093	91.....	4,242.5446	22,027.875	4,024.2069	4.1921
37.....	64,554.175	1,962,938.3	45,118.902	29.4076	92.....	3,578.5653	17,785.330	3,402.2331	3.9700
38.....	63,693.240	1,898,384.1	44,897.117	28.8051	93.....	2,980.2363	14,206.765	2,839.3354	3.7670
39.....	62,827.390	1,834,690.9	44,661.894	28.2021	94.....	2,446.5379	11,226.529	2,335.1443	3.5887
40.....	61,956.515	1,771,863.5	44,413.072	27.5985	95.....	1,977.6747	8,779.9909	1,890.5042	3.4396
41.....	61,079.309	1,709,907.0	44,149.297	26.9949	96.....	1,573.7983	6,802.3162	1,506.2087	3.3222
42.....	60,193.961	1,648,827.7	43,868.695	26.3919	97.....	1,239.7946	5,228.5179	1,187.7873	3.2172
43.....	59,298.204	1,588,633.7	43,568.917	25.7906	98.....	967.37126	3,988.7233	927.63908	3.1233
44.....	58,390.530	1,529,335.5	43,248.355	25.1915	99.....	748.02701	3,021.3520	717.87277	3.0391
45.....	57,469.001	1,470,945.0	42,904.949	24.5955	100....	573.54415	2,273.3250	550.79612	2.9636
46.....	56,532.427	1,413,476.0	42,537.375	24.0029	101....	436.29106	1,699.7809	419.22168	2.8960
47.....	55,579.771	1,356,943.6	42,144.447	23.4143	102....	329.44727	1,263.4898	316.69760	2.8352
48.....	54,609.602	1,301,363.8	41,724.572	22.8303	103....	247.07241	934.04253	237.58459	2.7804
49.....	53,619.600	1,246,754.2	41,275.259	22.2518	104....	184.12521	686.97013	177.08366	2.7310
50.....	52,609.852	1,193,134.6	40,796.399	21.6789	105....	136.41490	502.84492	131.19637	2.6861
51.....	51,582.137	1,140,524.7	40,289.573	21.1108	106....	100.52428	366.43002	96.656390	2.6452
52.....	50,537.216	1,088,942.6	39,755.366	20.5473	107....	73.710171	265.90574	70.837576	2.6074
53.....	49,473.933	1,038,405.4	39,192.452	19.9889	108....	53.803316	192.19557	51.660524	2.5722
54.....	48,389.915	988,931.44	38,598.275	19.4367	109....	39.109684	138.39226	37.499598	2.5386

TABLE 7B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,268,218.9	36,922.743	41.6822	55.....	36,037.833	673,618.04	26,082.757	17.6920
1.....	96,647.291	4,168,218.9	35,047.867	42.1282	56.....	35,004.275	637,580.21	25,581.777	17.2144
2.....	95,096.173	4,071,571.6	34,925.034	41.8153	57.....	33,964.148	602,575.93	25,058.955	16.7415
3.....	93,605.552	3,976,475.4	34,839.775	41.4812	58.....	32,919.123	568,611.78	24,515.863	16.2730
4.....	92,154.897	3,882,869.9	34,772.453	41.1342	59.....	31,870.900	535,692.66	23,954.130	15.8082
5.....	90,742.158	3,790,715.0	34,721.609	40.7746	60.....	30,819.946	503,821.76	23,374.174	15.3473
6.....	89,356.440	3,699,972.8	34,676.909	40.4069	61.....	29,765.691	473,001.81	22,775.386	14.8908
7.....	87,998.046	3,610,616.4	34,639.053	40.0306	62.....	28,707.323	443,236.12	22,156.905	14.4398
8.....	86,665.504	3,522,618.3	34,606.975	39.6461	63.....	27,645.293	414,528.80	21,519.122	13.9946
9.....	85,356.556	3,435,952.8	34,578.798	39.2541	64.....	26,582.788	386,883.51	20,865.168	13.5539
10.....	84,070.742	3,350,596.3	34,554.410	38.8545	65.....	25,523.667	360,300.72	20,198.896	13.1163
11.....	82,805.953	3,266,525.5	34,532.047	38.4480	66.....	24,471.790	334,777.05	19,524.216	12.6801
12.....	81,560.193	3,183,719.6	34,510.020	38.0352	67.....	23,429.026	310,305.26	18,843.104	12.2445
13.....	80,328.353	3,102,159.4	34,483.503	37.6185	68.....	22,393.764	286,876.24	18,154.083	11.8105
14.....	79,107.203	3,021,831.0	34,449.472	37.1992	69.....	21,361.003	264,482.47	17,452.265	11.3816
15.....	77,894.486	2,942,723.8	34,405.826	36.7783	70.....	20,326.415	243,121.47	16,733.357	10.9609
16.....	76,689.616	2,864,829.3	34,352.106	36.3562	71.....	19,287.264	222,795.06	15,994.597	10.5514
17.....	75,492.804	2,788,139.7	34,288.639	35.9325	72.....	18,246.132	203,507.79	15,238.498	10.1535
18.....	74,304.258	2,712,646.9	34,215.749	35.5073	73.....	17,207.810	185,261.66	14,469.823	9.7661
19.....	73,124.906	2,638,342.7	34,134.490	35.0799	74.....	16,182.123	168,053.85	13,698.439	9.3852
20.....	71,954.187	2,565,217.8	34,044.435	34.6507	75.....	15,177.556	151,871.73	12,933.016	9.0063
21.....	70,791.578	2,493,263.6	33,945.188	34.2198	76.....	14,198.118	136,694.17	12,177.877	8.6276
22.....	69,636.594	2,422,472.0	33,836.385	33.7873	77.....	13,243.417	122,496.05	11,433.000	8.2496
23.....	68,491.535	2,352,835.4	33,720.438	33.3522	78.....	12,312.072	109,252.63	10,697.371	7.8736
24.....	67,357.882	2,284,343.9	33,598.976	32.9135	79.....	11,399.644	96,940.563	9,966.8950	7.5038
25.....	66,237.684	2,216,986.0	33,474.214	32.4702	80.....	10,501.599	85,540.918	9,237.3178	7.1455
26.....	65,130.895	2,150,748.3	33,346.307	32.0219	81.....	9,612.9468	75,039.319	8,503.8613	6.8061
27.....	64,036.824	2,085,617.4	33,214.762	31.5690	82.....	8,734.5223	65,426.372	7,767.5001	6.4905
28.....	62,956.084	2,021,580.6	33,080.379	31.1110	83.....	7,875.0109	56,691.850	7,037.0703	6.1990
29.....	61,888.622	1,958,624.5	32,943.302	30.6476	84.....	7,052.7511	48,816.839	6,331.1900	5.9217
30.....	60,834.381	1,896,735.9	32,803.672	30.1787	85.....	6,284.5919	41,764.088	5,667.2586	5.6455
31.....	59,793.304	1,835,901.5	32,661.625	29.7041	86.....	5,570.9966	35,479.496	5,046.5390	5.3686
32.....	58,765.331	1,776,108.2	32,517.296	29.2237	87.....	4,906.2642	29,908.500	4,464.1366	5.0960
33.....	57,749.241	1,717,342.9	32,369.659	28.7379	88.....	4,288.9933	25,002.235	3,919.3721	4.8294
34.....	56,743.323	1,659,593.6	32,217.179	28.2474	89.....	3,716.8036	20,713.242	3,410.5665	4.5729
35.....	55,746.541	1,602,850.3	32,058.968	27.7525	90.....	3,188.7978	16,996.438	2,937.4888	4.3300
36.....	54,757.383	1,547,103.8	31,893.651	27.2538	91.....	2,706.8338	13,807.641	2,502.6499	4.1010
37.....	53,773.908	1,492,346.4	31,719.398	26.7522	92.....	2,271.9536	11,100.807	2,107.7722	3.8860
38.....	52,795.382	1,438,572.5	31,535.560	26.2481	93.....	1,882.7668	8,828.8534	1,752.1611	3.6893
39.....	51,821.138	1,385,777.1	31,341.544	25.7415	94.....	1,537.9886	6,946.0866	1,435.2071	3.5163
40.....	50,851.087	1,333,955.9	31,137.323	25.2326	95.....	1,237.1186	5,408.0980	1,157.0660	3.3715
41.....	49,884.165	1,283,104.9	30,921.894	24.7217	96.....	979.62733	4,170.9793	917.85721	3.2577
42.....	48,918.919	1,233,220.7	30,693.852	24.2095	97.....	767.92166	3,191.3520	720.62879	3.1558
43.....	47,953.553	1,184,301.8	30,451.427	23.6969	98.....	596.23253	2,423.4304	560.28827	3.0646
44.....	46,986.923	1,136,348.2	30,193.470	23.1844	99.....	458.77010	1,827.1978	431.63715	2.9828
45.....	46,017.557	1,089,361.3	29,918.492	22.6727	100....	350.02576	1,368.4277	329.67267	2.9095
46.....	45,044.615	1,043,343.7	29,625.612	22.1625	101....	264.95054	1,018.4020	249.77023	2.8437
47.....	44,067.391	998,299.13	29,314.072	21.6539	102....	199.08096	753.45143	187.81619	2.7846
48.....	43,084.883	954,231.74	28,982.806	21.1477	103....	148.56735	554.37047	140.24466	2.7314
49.....	42,095.417	911,146.85	28,630.062	20.6448	104....	110.17111	405.80311	104.04399	2.6834
50.....	41,099.228	869,051.44	28,255.973	20.1452	105....	81.221615	295.63200	76.722644	2.6398
51.....	40,097.864	827,952.21	27,861.987	19.6483	106....	59.557450	214.41039	56.258798	2.6001
52.....	39,092.060	787,854.34	27,448.762	19.1538	107....	43.455815	154.85294	41.037322	2.5635
53.....	38,081.058	748,762.29	27,015.476	18.6623	108....	31.563478	111.39712	29.787189	2.5293
54.....	37,063.187	710,681.23	26,560.379	18.1749	109....	22.830501	79.833644	21.520668	2.4968

TABLE 7C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,708,343.9	27,287.303	36.0834	55.....	27,503.094	484,322.37	18,006.506	16.6097
1.....	96,173.529	3,608,343.9	25,421.617	36.5191	56.....	26,583.358	456,819.27	17,626.046	16.1844
2.....	94,166.143	3,512,170.4	25,299.986	36.2976	57.....	25,667.014	430,235.91	17,230.945	15.7622
3.....	92,235.737	3,418,004.2	25,215.975	36.0573	58.....	24,755.332	404,568.90	16,822.537	15.3427
4.....	90,361.181	3,325,768.5	25,149.963	35.8053	59.....	23,849.578	379,813.57	16,402.182	14.9254
5.....	88,539.783	3,235,407.3	25,100.353	35.5418	60.....	22,950.074	355,963.99	15,970.318	14.5104
6.....	86,760.307	3,146,867.5	25,056.951	35.2708	61.....	22,056.372	333,013.92	15,526.616	14.0983
7.....	85,022.549	3,060,107.2	25,020.376	34.9917	62.....	21,167.846	310,957.55	15,070.568	13.6901
8.....	83,324.599	2,975,084.7	24,989.534	34.7048	63.....	20,284.815	289,789.70	14,602.593	13.2860
9.....	81,663.825	2,891,760.1	24,962.576	34.4105	64.....	19,409.584	269,504.89	14,125.104	12.8851
10.....	80,039.356	2,810,096.3	24,939.358	34.1089	65.....	18,544.906	250,095.30	13,641.006	12.4859
11.....	78,448.770	2,730,056.9	24,918.171	33.8005	66.....	17,693.477	231,550.39	13,153.203	12.0868
12.....	76,889.793	2,651,608.1	24,897.405	33.4858	67.....	16,856.506	213,856.92	12,663.163	11.6869
13.....	75,357.273	2,574,718.3	24,872.529	33.1668	68.....	16,032.686	197,000.41	12,169.862	11.2874
14.....	73,847.912	2,499,361.1	24,840.761	32.8447	69.....	15,218.320	180,967.73	11,669.862	10.8914
15.....	72,359.369	2,425,513.2	24,800.217	32.5204	70.....	14,410.257	165,749.41	11,160.198	10.5022
16.....	70,890.900	2,353,153.8	24,750.559	32.1940	71.....	13,606.532	151,339.15	10,639.027	10.1225
17.....	69,442.501	2,282,262.9	24,692.178	31.8655	72.....	12,808.949	137,732.62	10,108.239	9.7528
18.....	68,014.165	2,212,820.4	24,625.459	31.5347	73.....	12,020.822	124,923.67	9,571.2674	9.3923
19.....	66,606.538	2,144,806.2	24,551.443	31.2011	74.....	11,248.896	112,902.85	9,035.0445	9.0368
20.....	65,218.902	2,078,199.7	24,469.818	30.8650	75.....	10,498.860	101,653.95	8,505.5743	8.6824
21.....	63,850.584	2,012,980.8	24,380.302	30.5264	76.....	9,773.2033	91,155.090	7,985.7779	8.3270
22.....	62,500.958	1,949,130.2	24,282.648	30.1856	77.....	9,071.3531	81,381.887	7,475.5592	7.9713
23.....	61,171.893	1,886,629.2	24,179.092	29.8414	78.....	8,392.0689	72,310.534	6,974.1446	7.6165
24.....	59,864.494	1,825,457.4	24,071.142	29.4932	79.....	7,732.0573	63,918.465	6,478.6834	7.2667
25.....	58,580.342	1,765,592.9	23,960.803	29.1397	80.....	7,088.0224	56,186.408	5,986.2575	6.9270
26.....	57,319.141	1,707,012.5	23,848.237	28.7808	81.....	6,456.4240	49,098.385	5,493.6399	6.6046
27.....	56,080.037	1,649,693.4	23,733.037	28.4168	82.....	5,837.6834	42,641.961	5,001.4958	6.3046
28.....	54,863.320	1,593,613.3	23,615.929	28.0470	83.....	5,237.4322	36,804.278	4,515.7090	6.0272
29.....	53,668.698	1,538,750.0	23,497.058	27.6713	84.....	4,667.5790	31,566.846	4,048.5506	5.7630
30.....	52,495.879	1,485,081.3	23,376.567	27.2895	85.....	4,138.8155	26,899.267	3,611.3083	5.4993
31.....	51,344.572	1,432,585.4	23,254.591	26.9014	86.....	3,650.8817	22,760.451	3,204.5276	5.2342
32.....	50,214.488	1,381,240.9	23,131.263	26.5068	87.....	3,199.4967	19,109.569	2,824.7285	4.9727
33.....	49,104.354	1,331,026.4	23,005.727	26.1061	88.....	2,783.2484	15,910.073	2,471.2155	4.7164
34.....	48,012.504	1,281,922.0	22,876.708	25.6998	89.....	2,400.1152	13,126.824	2,142.6558	4.4692
35.....	46,937.872	1,233,909.5	22,743.497	25.2881	90.....	2,049.0630	10,726.709	1,838.6647	4.2349
36.....	45,879.008	1,186,971.7	22,604.984	24.8718	91.....	1,730.8355	8,677.6460	1,560.6149	4.0136
37.....	44,834.137	1,141,092.6	22,459.700	24.4514	92.....	1,445.6379	6,946.8105	1,309.3553	3.8054
38.....	43,802.512	1,096,258.5	22,307.176	24.0273	93.....	1,192.1269	5,501.1726	1,084.1901	3.6146
39.....	42,783.459	1,052,456.0	22,146.997	23.5996	94.....	969.04723	4,309.0457	884.48544	3.4467
40.....	41,776.790	1,009,672.5	21,979.218	23.1683	95.....	775.65581	3,339.9985	710.09494	3.3060
41.....	40,781.519	967,895.74	21,803.100	22.7337	96.....	611.20157	2,564.3427	560.84964	3.1956
42.....	39,796.366	927,114.23	21,617.585	22.2965	97.....	476.76718	1,953.1411	438.39960	3.0966
43.....	38,819.794	887,317.86	21,421.334	21.8574	98.....	368.35874	1,476.3739	339.33953	3.0080
44.....	37,850.821	848,498.07	21,213.534	21.4169	99.....	282.04362	1,108.0152	260.24714	2.9285
45.....	36,888.223	810,647.24	20,993.108	20.9758	100....	214.13471	825.97155	197.86849	2.8573
46.....	35,931.299	773,759.02	20,759.483	20.5344	101....	161.29382	611.83685	149.22632	2.7933
47.....	34,979.472	737,827.72	20,512.191	20.0932	102....	120.60034	450.54303	111.69546	2.7358
48.....	34,031.940	702,848.25	20,250.531	19.6526	103....	89.558756	329.94269	83.018595	2.6841
49.....	33,087.387	668,816.31	19,973.271	19.2136	104....	66.087337	240.38394	61.303231	2.6374
50.....	32,146.018	635,728.92	19,680.674	18.7763	105....	48.482837	174.29660	44.994560	2.5950
51.....	31,209.056	603,582.91	19,374.027	18.3400	106....	35.376785	125.81376	32.839152	2.5564
52.....	30,277.068	572,273.85	19,053.981	17.9045	107....	25.685974	90.436978	23.842003	2.5209
53.....	29,349.462	542,096.78	18,720.043	17.4704	108....	18.565167	64.751004	17.224843	2.4878
54.....	28,424.954	512,747.32	18,371.014	17.0386	109....	13.362734	46.185836	12.386433	2.4563

TABLE 7D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	2,893,675.5	15,718.167	27.9368	55	16,082.132	253,163.02	8,708.4312	14.7419
1	95,239.806	2,793,675.5	13,870.595	28.3331	56	15,393.411	237,080.89	8,488.1216	14.4015
2	92,346.550	2,698,435.7	13,751.314	28.2208	57	14,718.492	221,687.47	8,261.5545	14.0618
3	89,575.257	2,606,089.2	13,669.726	28.0939	58	14,057.875	206,968.98	8,029.6311	13.7226
4	86,902.783	2,516,513.9	13,606.241	27.9578	59	13,412.032	192,911.11	7,793.2404	13.3834
5	84,324.386	2,429,611.1	13,558.992	27.8127	60	12,780.885	179,499.08	7,552.7354	13.0443
6	81,827.402	2,345,286.7	13,518.058	27.6614	61	12,163.928	166,718.19	7,308.0372	12.7060
7	79,409.919	2,263,459.3	13,483.897	27.5035	62	11,560.574	154,554.26	7,058.9720	12.3691
8	77,068.483	2,184,049.4	13,455.371	27.3391	63	10,970.760	142,993.69	6,805.8740	12.0341
9	74,799.078	2,106,980.9	13,430.680	27.1685	64	10,395.487	132,022.93	6,550.1381	11.7000
10	72,599.404	2,032,181.9	13,409.620	26.9917	65	9,835.9476	121,627.44	6,293.3797	11.3656
11	70,465.827	1,959,582.5	13,390.589	26.8090	66	9,293.2516	111,791.49	6,037.1676	11.0293
12	68,394.953	1,889,116.6	13,372.117	26.6207	67	8,767.6866	102,498.24	5,782.2798	10.6905
13	66,380.954	1,820,721.7	13,350.204	26.4284	68	8,258.2244	93,730.556	5,528.1872	10.3500
14	64,419.816	1,754,340.7	13,322.492	26.2329	69	7,762.6508	85,472.332	5,273.1443	10.0107
15	62,508.486	1,689,920.9	13,287.467	26.0351	70	7,279.1055	77,709.681	5,015.6956	9.6757
16	60,645.369	1,627,412.4	13,244.986	25.8349	71	6,806.3876	70,430.575	4,754.9906	9.3477
17	58,829.541	1,566,767.1	13,195.528	25.6323	72	6,345.2053	63,624.188	4,492.0526	9.0271
18	57,060.085	1,507,937.5	13,139.554	25.4272	73	5,896.9751	57,278.982	4,228.6341	8.7133
19	55,336.649	1,450,877.4	13,078.062	25.2191	74	5,464.7211	51,382.007	3,968.1367	8.4025
20	53,657.746	1,395,540.8	13,010.906	25.0082	75	5,050.8348	45,917.286	3,713.4170	8.0910
21	52,021.966	1,341,883.0	12,937.973	24.7945	76	4,656.0851	40,866.451	3,465.7790	7.7770
22	50,427.972	1,289,861.1	12,859.182	24.5783	77	4,279.7559	36,210.366	3,225.0639	7.4608
23	48,876.456	1,239,433.1	12,776.441	24.3585	78	3,920.8381	31,930.610	2,990.7992	7.1438
24	47,367.454	1,190,556.6	12,691.026	24.1345	79	3,577.4031	28,009.772	2,761.5634	6.8296
25	45,901.363	1,143,189.2	12,604.569	23.9053	80	3,247.5874	24,432.369	2,535.9439	6.5232
26	44,477.083	1,097,287.8	12,517.223	23.6709	81	2,929.4815	21,184.782	2,312.4279	6.2316
27	43,093.112	1,052,810.7	12,428.700	23.4311	82	2,623.0236	18,255.300	2,091.2947	5.9596
28	41,748.858	1,009,717.6	12,339.585	23.1855	83	2,330.4673	15,632.277	1,875.1372	5.7078
29	40,443.294	967,968.77	12,250.008	22.9340	84	2,056.7392	13,301.809	1,669.2868	5.4674
30	39,175.417	927,525.48	12,160.090	22.6762	85	1,806.0367	11,245.070	1,478.4893	5.2264
31	37,944.243	888,350.06	12,069.949	22.4120	86	1,577.6520	9,439.0333	1,302.7076	4.9830
32	36,748.816	850,405.82	11,979.693	22.1410	87	1,369.1721	7,861.3814	1,140.1788	4.7417
33	35,587.482	813,657.00	11,888.713	21.8636	88	1,179.4820	6,492.2092	990.36743	4.5043
34	34,458.357	778,069.52	11,796.116	21.5800	89	1,007.2433	5,312.7273	852.48255	4.2745
35	33,360.038	743,611.16	11,701.440	21.2905	90	851.57039	4,305.4840	726.14686	4.0559
36	32,290.898	710,251.13	11,603.950	20.9954	91	712.33450	3,453.9136	611.71399	3.8487
37	31,249.124	677,960.23	11,502.689	20.6953	92	589.18362	2,741.5791	509.31072	3.6532
38	30,233.679	646,711.10	11,397.413	20.3904	93	481.14565	2,152.3955	418.43343	3.4735
39	29,243.600	616,477.42	11,287.926	20.0808	94	387.31291	1,671.2498	338.61464	3.3150
40	28,278.277	587,233.82	11,174.358	19.7663	95	307.00752	1,283.9369	269.59022	3.1821
41	27,336.583	558,955.55	11,056.303	19.4472	96	239.56721	976.92939	211.09187	3.0779
42	26,417.225	531,618.96	10,933.156	19.1240	97	185.05986	737.36218	163.56220	2.9845
43	25,518.782	505,201.74	10,804.148	18.7973	98	141.59235	552.30232	125.48479	2.9007
44	24,640.243	479,682.96	10,668.873	18.4675	99	107.36137	410.70997	95.377855	2.8255
45	23,780.466	455,042.72	10,526.773	18.1351	100	80.720114	303.34861	71.863631	2.7580
46	22,938.683	431,262.25	10,377.626	17.8007	101	60.210935	222.62849	53.705524	2.6975
47	22,114.227	408,323.57	10,221.286	17.4643	102	44.582983	162.41756	39.831288	2.6430
48	21,306.306	386,209.34	10,057.469	17.1265	103	32.786239	117.83457	29.333077	2.5940
49	20,513.836	364,903.03	9,885.5709	16.7881	104	23.958783	85.048335	21.460560	2.5498
50	19,736.700	344,389.20	9,705.9255	16.4492	105	17.405939	61.089553	15.605546	2.5097
51	18,975.400	324,652.50	9,519.4807	16.1091	106	12.577397	43.683613	11.283972	2.4732
52	18,230.017	305,677.10	9,326.7791	15.7678	107	9.0433923	31.106217	8.1162996	2.4397
53	17,499.931	287,447.08	9,127.6648	15.4256	108	6.4728739	22.062824	5.8091810	2.4085
54	16,784.133	269,947.15	8,921.5734	15.0835	109	4.6137765	15.589950	4.1386139	2.3790

**TABLE 7E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,345,083.7	9,804.4653	22.4508	55.....	9,452.7317	134,193.68	4,291.4298	13.1963
1.....	94,324.038	2,245,083.7	7,974.6576	22.8018	56.....	8,960.9170	124,740.95	4,163.1817	12.9206
2.....	90,579.193	2,150,759.7	7,857.6595	22.7445	57.....	8,485.6437	115,780.04	4,032.5591	12.6442
3.....	87,016.121	2,060,180.5	7,778.4027	22.6758	58.....	8,026.8478	107,294.39	3,900.1341	12.3669
4.....	83,608.268	1,973,164.4	7,717.3241	22.6001	59.....	7,584.4450	99,267.544	3,766.4562	12.0883
5.....	80,347.546	1,889,556.1	7,672.3043	22.5173	60.....	7,158.0388	91,683.099	3,631.7594	11.8084
6.....	77,218.627	1,809,208.6	7,633.6757	22.4297	61.....	6,747.0022	84,525.060	3,496.0319	11.5278
7.....	74,216.753	1,731,989.9	7,601.7487	22.3369	62.....	6,350.6807	77,778.058	3,359.2105	11.2472
8.....	71,335.858	1,657,773.2	7,575.3447	22.2390	63.....	5,968.7238	71,427.377	3,221.5107	10.9669
9.....	68,569.536	1,586,437.3	7,552.7093	22.1362	64.....	5,601.3604	65,458.653	3,083.7135	10.6862
10.....	65,913.126	1,517,867.8	7,533.5889	22.0283	65.....	5,248.9055	59,857.293	2,946.6956	10.4038
11.....	63,360.894	1,451,954.7	7,516.4769	21.9156	66.....	4,911.6129	54,608.387	2,811.2839	10.1182
12.....	60,907.487	1,388,593.8	7,500.0274	21.7984	67.....	4,589.2883	49,696.775	2,677.8675	9.8289
13.....	58,545.565	1,327,686.3	7,480.7010	21.6778	68.....	4,281.0558	45,107.486	2,546.1461	9.5365
14.....	56,269.606	1,269,140.7	7,456.4946	21.5546	69.....	3,985.4571	40,826.430	2,415.2034	9.2439
15.....	54,075.091	1,212,871.1	7,426.1956	21.4294	70.....	3,701.2634	36,840.973	2,284.2965	8.9536
16.....	51,958.883	1,158,796.0	7,389.7989	21.3022	71.....	3,427.6190	33,139.710	2,153.0084	8.6684
17.....	49,918.498	1,106,837.1	7,347.8321	21.1729	72.....	3,164.6481	29,712.091	2,021.8690	8.3888
18.....	47,951.517	1,056,918.6	7,300.7936	21.0414	73.....	2,912.8152	26,547.443	1,891.7533	8.1140
19.....	46,056.049	1,008,967.1	7,249.6145	20.9074	74.....	2,673.3482	23,634.628	1,764.3177	7.8408
20.....	44,229.307	962,911.08	7,194.2587	20.7709	75.....	2,447.1161	20,961.279	1,640.9066	7.5657
21.....	42,468.640	918,681.77	7,134.7193	20.6320	76.....	2,234.1699	18,514.163	1,522.0803	7.2868
22.....	40,771.528	876,213.13	7,071.0163	20.4908	77.....	2,033.8465	16,279.993	1,407.6865	7.0045
23.....	39,137.138	835,441.61	7,004.7626	20.3465	78.....	1,845.3637	14,246.147	1,297.4286	6.7200
24.....	37,564.126	796,304.47	6,937.0252	20.1985	79.....	1,667.5345	12,400.783	1,190.5749	6.4366
25.....	36,051.448	758,740.34	6,869.1208	20.0460	80.....	1,499.2418	10,733.249	1,086.4182	6.1591
26.....	34,596.911	722,688.89	6,801.1777	19.8888	81.....	1,339.3851	9,234.0070	984.22466	5.8942
27.....	33,198.064	688,091.98	6,732.9819	19.7269	82.....	1,187.7384	7,894.6219	884.09274	5.6468
28.....	31,853.224	654,893.92	6,664.9897	19.5597	83.....	1,045.1184	6,706.8834	787.15501	5.4173
29.....	30,560.412	623,040.69	6,597.3016	19.3872	84.....	913.49381	5,661.7650	695.72725	5.1979
30.....	29,317.719	592,480.28	6,530.0099	19.2089	85.....	794.43219	4,748.2712	611.80001	4.9769
31.....	28,123.304	563,162.56	6,463.1993	19.0248	86.....	687.29842	3,953.8390	535.22133	4.7527
32.....	26,975.387	535,039.26	6,396.9473	18.8343	87.....	590.73960	3,266.5406	465.09706	4.5296
33.....	25,871.730	508,063.87	6,330.8057	18.6378	88.....	504.00312	2,675.8010	401.08134	4.3091
34.....	24,809.994	482,192.14	6,264.1363	18.4354	89.....	426.26549	2,171.7979	342.72844	4.0949
35.....	23,788.252	457,382.15	6,196.6245	18.2272	90.....	356.91947	1,745.5324	289.77725	3.8905
36.....	22,804.470	433,593.90	6,127.7758	18.0135	91.....	295.69062	1,388.6129	242.27607	3.6962
37.....	21,856.550	410,789.43	6,056.9504	17.7948	92.....	242.21895	1,092.9223	200.17712	3.5121
38.....	20,942.988	388,932.88	5,984.0251	17.5710	93.....	195.90157	850.70334	163.17584	3.3425
39.....	20,062.376	367,989.89	5,908.9123	17.3423	94.....	156.18064	654.80177	130.98959	3.1926
40.....	19,213.583	347,927.51	5,831.7493	17.1084	95.....	122.60781	498.62113	103.42371	3.0668
41.....	18,395.158	328,713.93	5,752.3086	16.8696	96.....	94.754616	376.01332	80.286201	2.9683
42.....	17,605.582	310,318.77	5,670.2378	16.6262	97.....	72.491837	281.25871	61.667831	2.8799
43.....	16,843.294	292,713.19	5,585.0878	16.3786	98.....	54.931386	208.76687	46.895528	2.8005
44.....	16,107.047	275,869.89	5,496.6605	16.1273	99.....	41.250830	153.83549	35.327717	2.7293
45.....	15,395.550	259,762.85	5,404.6645	15.8726	100....	30.716399	112.58466	26.379857	2.6653
46.....	14,707.783	244,367.30	5,309.0344	15.6148	101....	22.691740	81.868256	19.536598	2.6078
47.....	14,042.821	229,659.51	5,209.7569	15.3542	102....	16.640464	59.176516	14.358081	2.5562
48.....	13,399.687	215,616.69	5,106.7312	15.0912	103....	12.119698	42.536052	10.477333	2.5097
49.....	12,777.246	202,217.01	4,999.6625	14.8263	104....	8.7713983	30.416354	7.5951752	2.4677
50.....	12,174.995	189,439.76	4,888.8445	14.5597	105....	6.3111054	21.644956	5.4722438	2.4297
51.....	11,592.820	177,264.76	4,774.9380	14.2909	106....	4.5165062	15.333850	3.9203794	2.3951
52.....	11,030.345	165,671.94	4,658.3410	14.0197	107....	3.2162301	10.817344	2.7938151	2.3634
53.....	10,486.783	154,641.60	4,539.0224	13.7463	108....	2.2799051	7.6011139	1.9811912	2.3340
54.....	9,961.1326	144,154.82	4,416.7102	13.4717	109....	1.6094596	5.3212088	1.3984343	2.3062



**TABLE 7F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,960,097.7	6,662.0117	18.6010	55.....	5,584.4389	72,064.085	2,152.8139	11.9044
1.....	93,425.714	1,860,097.7	4,849.6307	18.9099	56.....	5,243.4690	66,479.646	2,077.7696	11.6786
2.....	88,862.091	1,766,672.0	4,734.8506	18.8811	57.....	4,918.0743	61,236.177	2,002.0639	11.4513
3.....	84,553.549	1,677,809.9	4,657.8368	18.8432	58.....	4,607.8609	56,318.103	1,926.0446	11.2222
4.....	80,468.404	1,593,256.4	4,599.0519	18.7998	59.....	4,312.4312	51,710.242	1,850.0368	10.9910
5.....	76,593.659	1,512,788.0	4,556.1354	18.7508	60.....	4,031.2196	47,397.811	1,774.1791	10.7577
6.....	72,909.869	1,436,194.3	4,519.6623	18.6982	61.....	3,763.5466	43,366.591	1,698.4689	10.5228
7.....	69,408.112	1,363,284.4	4,489.8039	18.6416	62.....	3,508.7366	39,603.044	1,622.8754	10.2870
8.....	66,078.506	1,293,876.3	4,465.3458	18.5809	63.....	3,266.2996	36,094.308	1,547.5211	10.0505
9.....	62,911.143	1,227,797.8	4,444.5783	18.5164	64.....	3,036.0722	32,828.008	1,472.8317	9.8127
10.....	59,897.998	1,164,886.7	4,427.2029	18.4478	65.....	2,817.9376	29,791.936	1,399.2720	9.5722
11.....	57,030.310	1,104,988.7	4,411.8005	18.3755	66.....	2,611.7451	26,973.998	1,327.2670	9.3280
12.....	54,299.916	1,047,958.4	4,397.1356	18.2994	67.....	2,417.1079	24,362.253	1,256.9987	9.0791
13.....	51,697.140	993,658.44	4,380.0699	18.2208	68.....	2,233.2926	21,945.145	1,188.2837	8.8264
14.....	49,214.201	941,961.30	4,358.8987	18.1400	69.....	2,059.2872	19,711.853	1,120.6256	8.5722
15.....	46,844.420	892,747.10	4,332.6511	18.0577	70.....	1,894.2304	17,652.566	1,053.6301	8.3191
16.....	44,582.503	845,902.68	4,301.4215	17.9739	71.....	1,737.4783	15,758.335	987.07949	8.0697
17.....	42,423.861	801,320.18	4,265.7555	17.8884	72.....	1,588.8991	14,020.857	921.23734	7.8243
18.....	40,364.082	758,896.32	4,226.1599	17.8013	73.....	1,448.5312	12,431.958	856.53131	7.5825
19.....	38,399.312	718,532.23	4,183.4893	17.7121	74.....	1,316.7839	10,983.426	793.76162	7.3411
20.....	36,525.060	680,132.92	4,137.7758	17.6210	75.....	1,193.8715	9,666.6425	733.55325	7.0969
21.....	34,737.071	643,607.86	4,089.0757	17.5280	76.....	1,079.6009	8,472.7710	676.13371	6.8481
22.....	33,031.316	608,870.79	4,037.4664	17.4331	77.....	973.44019	7,393.1701	621.38252	6.5949
23.....	31,405.231	575,839.48	3,984.3017	17.3358	78.....	874.81679	6,419.7299	569.11342	6.3384
24.....	29,855.906	544,434.25	3,930.4642	17.2354	79.....	782.98602	5,544.9131	518.94060	6.0818
25.....	28,380.740	514,578.34	3,877.0079	17.1313	80.....	697.26024	4,761.9271	470.49986	5.8295
26.....	26,976.299	486,197.60	3,824.0305	17.0231	81.....	616.98234	4,064.6669	423.42483	5.5880
27.....	25,639.045	459,221.30	3,771.3625	16.9110	82.....	541.91616	3,447.6845	377.73876	5.3620
28.....	24,366.128	433,582.25	3,719.3518	16.7945	83.....	472.30316	2,905.7684	333.93129	5.1523
29.....	23,154.551	409,216.13	3,668.0669	16.6732	84.....	408.88858	2,433.4652	293.00735	4.9514
30.....	22,001.454	386,061.58	3,617.5680	16.5471	85.....	352.20884	2,024.5766	255.79849	4.7482
31.....	20,904.106	364,060.12	3,567.9075	16.4157	86.....	301.80943	1,672.3678	222.17093	4.5411
32.....	19,859.896	343,156.02	3,519.1313	16.2788	87.....	256.93755	1,370.5584	191.67093	4.3342
33.....	18,865.955	323,296.12	3,470.9001	16.1365	88.....	217.12447	1,113.6208	164.09296	4.1290
34.....	17,919.423	304,430.16	3,422.7470	15.9888	89.....	181.88620	896.49633	139.19396	3.9289
35.....	17,017.820	286,510.74	3,374.4499	15.8359	90.....	150.84602	714.61013	116.81503	3.7373
36.....	16,158.664	269,492.92	3,325.6655	15.6779	91.....	123.77850	563.76411	96.930647	3.5546
37.....	15,339.496	253,334.26	3,275.9583	15.5152	92.....	100.42916	439.98561	79.475520	3.3811
38.....	14,558.351	237,994.76	3,225.2650	15.3476	93.....	80.451408	339.55645	64.280111	3.2206
39.....	13,813.379	223,436.41	3,173.5482	15.1754	94.....	63.528263	259.10505	51.187985	3.0786
40.....	13,102.977	209,623.03	3,120.9258	14.9981	95.....	49.397157	195.57678	40.082034	2.9593
41.....	12,425.366	196,520.05	3,067.2660	14.8160	96.....	37.811877	146.17963	30.849000	2.8660
42.....	11,778.773	184,094.69	3,012.3577	14.6294	97.....	28.652400	108.36775	23.490088	2.7822
43.....	11,161.453	172,315.91	2,955.9317	14.4385	98.....	21.504854	79.715349	17.706943	2.7069
44.....	10,571.916	161,154.46	2,897.8922	14.2436	99.....	15.995311	58.210495	13.221440	2.6392
45.....	10,008.685	150,582.55	2,838.0853	14.0452	100....	11.797075	42.215185	9.7848854	2.5784
46.....	9,470.5034	140,573.86	2,776.5081	13.8433	101....	8.6320881	30.418110	7.1816642	2.5238
47.....	8,956.2100	131,103.36	2,713.1910	13.6383	102....	6.2698555	21.786022	5.2304835	2.4747
48.....	8,464.6420	122,147.15	2,648.1092	13.4303	103....	4.5230141	15.516166	3.7822066	2.4305
49.....	7,994.5722	113,682.51	2,581.1176	13.2200	104....	3.2422688	10.993152	2.7168429	2.3906
50.....	7,545.2011	105,687.93	2,512.4404	13.0073	105....	2.3106260	7.7508836	1.9395939	2.3545
51.....	7,115.9869	98,142.732	2,442.5216	12.7919	106....	1.6378377	5.4402576	1.3768354	2.3216
52.....	6,706.2416	91,026.745	2,371.6328	12.5734	107....	1.1552059	3.8024199	.9721959	2.2916
53.....	6,315.0442	84,320.503	2,299.7802	12.3523	108....	.8110976	2.6472139	.6830974	2.2637
54.....	5,941.3740	78,005.459	2,226.8264	12.1292	109....	.5671272	1.8361163	.4777506	2.2376

**TABLE 7G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,679,721.5	4,921.4242	15.7972	55.....	3,315.6479	39,172.604	1,098.3301	10.8145
1.....	92,544.340	1,579,721.5	3,126.1412	16.0699	56.....	3,083.8341	35,856.957	1,054.1944	10.6274
2.....	87,193.356	1,487,177.2	3,013.5165	16.0561	57.....	2,865.1728	32,773.123	1,010.0898	10.4384
3.....	82,183.028	1,399,983.8	2,938.6618	16.0350	58.....	2,659.1236	29,907.950	966.22018	10.2473
4.....	77,474.561	1,317,800.8	2,882.0641	16.0095	59.....	2,465.1581	27,248.826	922.77110	10.0536
5.....	73,048.279	1,240,326.2	2,841.1341	15.9795	60.....	2,282.6666	24,783.668	879.81688	9.8573
6.....	68,879.014	1,167,277.9	2,806.6774	15.9468	61.....	2,110.9929	22,501.001	837.35067	9.6590
7.....	64,952.260	1,098,398.9	2,778.7359	15.9109	62.....	1,949.5019	20,390.009	795.34988	9.4591
8.....	61,253.045	1,033,446.7	2,756.0639	15.8718	63.....	1,797.6798	18,440.507	753.87698	9.2579
9.....	57,766.822	972,193.61	2,736.9945	15.8296	64.....	1,655.2052	16,642.827	713.15784	9.0548
10.....	54,481.198	914,426.79	2,721.1904	15.7843	65.....	1,521.7895	14,987.622	673.43291	8.8487
11.....	51,383.479	859,945.59	2,707.3131	15.7358	66.....	1,397.1319	13,465.832	634.91441	8.6382
12.....	48,461.892	808,562.11	2,694.2249	15.6845	67.....	1,280.8141	12,068.700	597.67953	8.4227
13.....	45,703.679	760,100.22	2,679.1377	15.6311	68.....	1,172.2470	10,787.886	561.61132	8.2027
14.....	43,098.138	714,396.54	2,660.5975	15.5760	69.....	1,070.7149	9,615.6391	526.43285	7.9806
15.....	40,635.852	671,298.40	2,637.8287	15.5199	70.....	975.60310	8,544.9242	491.92755	7.7586
16.....	38,308.875	630,662.55	2,610.9937	15.4626	71.....	886.42746	7,569.3211	457.97472	7.5391
17.....	36,110.090	592,353.68	2,580.6357	15.4041	72.....	802.97784	6,682.8937	424.70024	7.3226
18.....	34,032.738	556,243.59	2,547.2509	15.3444	73.....	725.13444	5,879.9158	392.30842	7.1087
19.....	32,070.718	522,210.85	2,511.6129	15.2831	74.....	652.96304	5,154.7814	361.18236	6.8944
20.....	30,217.575	490,140.13	2,473.7936	15.2204	75.....	586.42857	4,501.8183	331.60806	6.6767
21.....	28,467.236	459,922.56	2,433.8836	15.1562	76.....	525.29616	3,915.3898	303.66972	6.4537
22.....	26,813.988	431,455.32	2,391.9884	15.0907	77.....	469.17372	3,390.0936	277.28102	6.2257
23.....	25,253.465	404,641.33	2,349.2378	15.0232	78.....	417.66198	2,920.9199	252.32629	5.9935
24.....	23,781.140	379,387.87	2,306.3546	14.9533	79.....	370.29281	2,503.2579	228.59837	5.7602
25.....	22,392.860	355,606.73	2,264.1767	14.8804	80.....	326.64018	2,132.9651	205.90570	5.5300
26.....	21,083.934	333,213.87	2,222.7710	14.8042	81.....	286.30628	1,806.3249	184.06087	5.3091
27.....	19,849.728	312,129.93	2,181.9955	14.7246	82.....	249.09997	1,520.0187	163.06058	5.1020
28.....	18,686.272	292,280.20	2,142.1088	14.6414	83.....	215.05317	1,270.9187	143.11378	4.9098
29.....	17,589.599	273,593.93	2,103.1497	14.5543	84.....	184.42230	1,055.8655	124.65572	4.7253
30.....	16,555.961	256,004.33	2,065.1495	14.4630	85.....	157.35919	871.44322	108.03162	4.5379
31.....	15,581.815	239,448.37	2,028.1329	14.3672	86.....	133.56975	714.08402	93.149300	4.3462
32.....	14,663.811	223,866.56	1,992.1183	14.2666	87.....	112.63836	580.51427	79.778464	4.1538
33.....	13,798.508	209,202.75	1,956.8422	14.1613	88.....	94.286810	467.87591	67.802668	3.9623
34.....	12,982.573	195,404.24	1,921.9554	14.0513	89.....	78.239373	373.58910	57.092221	3.7750
35.....	12,213.050	182,421.67	1,887.2943	13.9366	90.....	64.275121	295.34973	47.556612	3.5951
36.....	11,487.064	170,208.62	1,852.6139	13.8174	91.....	52.244152	231.07461	39.163858	3.4230
37.....	10,801.850	158,721.55	1,817.6109	13.6939	92.....	41.989020	178.83045	31.865941	3.2590
38.....	10,155.064	147,919.70	1,782.2501	13.5661	93.....	33.319079	136.84143	25.572738	3.1070
39.....	9,544.5147	137,764.64	1,746.5158	13.4339	94.....	26.062121	103.52235	20.201765	2.9721
40.....	8,968.2421	128,220.12	1,710.4987	13.2971	95.....	20.073734	77.460234	15.688593	2.8588
41.....	8,424.2251	119,251.88	1,674.1181	13.1558	96.....	15.220814	57.386500	11.971922	2.7703
42.....	7,910.5064	110,827.66	1,637.2423	13.0102	97.....	11.424944	42.165686	9.0376075	2.6907
43.....	7,425.2043	102,917.15	1,599.7047	12.8605	98.....	8.4940148	30.740742	6.7533732	2.6191
44.....	6,966.6629	95,491.945	1,561.4579	12.7070	99.....	6.2582459	22.246727	4.9983976	2.5548
45.....	6,533.2839	88,525.282	1,522.4183	12.5499	100....	4.5721209	15.988481	3.6665129	2.4970
46.....	6,123.6593	81,991.998	1,482.6022	12.3894	101....	3.3139250	11.416360	2.6671163	2.4450
47.....	5,736.4823	75,868.338	1,442.0474	12.2256	102....	2.3843378	8.1024349	1.9251098	2.3982
48.....	5,370.4839	70,131.856	1,400.7556	12.0588	103....	1.7038118	5.7180971	1.3795463	2.3561
49.....	5,024.3917	64,761.372	1,358.6530	11.8894	104....	1.2098350	4.0142853	.9820116	2.3180
50.....	4,697.2374	59,736.981	1,315.8983	11.7175	105....	.8540636	2.8044504	.6947215	2.2837
51.....	4,388.2389	55,039.743	1,272.7812	11.5426	106....	.5996735	1.9503868	.4886746	2.2524
52.....	4,096.5452	50,651.504	1,229.4784	11.3644	107....	.4189738	1.3507133	.3419187	2.2239
53.....	3,821.1878	46,554.959	1,186.0009	11.1834	108....	.2913963	.9317395	.2380566	2.1975
54.....	3,561.1668	42,733.771	1,142.2735	10.9999	109....	.2018249	.6403433	.1649794	2.1728

TABLE 7H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,468,744.7	3,913.9012	13.6874	55.....	1,978.2593	21,536.595	569.32298	9.8866
1.....	91,679.439	1,368,744.7	2,135.3965	13.9297	56.....	1,822.7533	19,558.336	543.23584	9.7301
2.....	85,571.190	1,277,065.2	2,024.8671	13.9240	57.....	1,677.6826	17,735.583	517.41066	9.5715
3.....	79,900.299	1,191,494.0	1,952.0916	13.9123	58.....	1,542.4802	16,057.900	491.96320	9.4104
4.....	74,618.665	1,111,593.7	1,897.5801	13.8970	59.....	1,416.6023	14,515.420	466.99520	9.2466
5.....	69,698.017	1,036,975.1	1,858.5274	13.8781	60.....	1,299.4744	13,098.818	442.54226	9.0801
6.....	65,105.765	967,277.04	1,825.9582	13.8570	61.....	1,190.5129	11,799.343	418.59307	8.9111
7.....	60,820.345	902,171.28	1,799.7942	13.8334	62.....	1,089.1635	10,608.830	395.12773	8.7403
8.....	56,820.413	841,350.93	1,778.7629	13.8072	63.....	994.95598	9,519.6668	372.17386	8.5679
9.....	53,085.665	784,530.52	1,761.2388	13.7786	64.....	907.53934	8,524.7108	349.84779	8.3932
10.....	49,598.384	731,444.85	1,746.8511	13.7474	65.....	826.59022	7,617.1714	328.27041	8.2152
11.....	46,341.114	681,846.47	1,734.3357	13.7136	66.....	751.78767	6,790.5812	307.54385	8.0326
12.....	43,297.759	635,505.35	1,722.6421	13.6776	67.....	682.75670	6,038.7936	287.69525	7.8447
13.....	40,451.842	592,207.60	1,709.2886	13.6398	68.....	619.04337	5,356.0369	268.64825	7.6521
14.....	37,789.203	551,755.75	1,693.0322	13.6009	69.....	560.14169	4,736.9935	250.24473	7.4568
15.....	35,297.235	513,966.55	1,673.2547	13.5611	70.....	505.61425	4,176.8518	232.36207	7.2609
16.....	32,964.978	478,669.32	1,650.1631	13.5205	71.....	455.10480	3,671.2375	214.93020	7.0668
17.....	30,782.512	445,704.34	1,624.2840	13.4791	72.....	408.40765	3,216.1327	198.00625	6.8748
18.....	28,740.509	414,921.83	1,596.0907	13.4368	73.....	365.36835	2,807.7251	181.68521	6.6846
19.....	26,830.474	386,181.32	1,566.2758	13.3934	74.....	325.92906	2,442.3567	166.14852	6.4935
20.....	25,043.866	359,350.84	1,534.9318	13.3489	75.....	289.98243	2,116.4277	151.52436	6.2985
21.....	23,372.714	334,306.98	1,502.1641	13.3033	76.....	257.32553	1,826.4453	137.83827	6.0978
22.....	21,809.582	310,934.26	1,468.0880	13.2568	77.....	227.68500	1,569.1197	125.03212	5.8916
23.....	20,348.340	289,124.68	1,433.6411	13.2088	78.....	200.79263	1,341.4347	113.03503	5.6807
24.....	18,982.909	268,776.34	1,399.4102	13.1589	79.....	176.35598	1,140.6421	101.73435	5.4678
25.....	17,707.684	249,793.43	1,366.0571	13.1065	80.....	154.11205	964.28611	91.027729	5.2570
26.....	16,516.800	232,085.75	1,333.6206	13.0515	81.....	133.81967	810.17405	80.817446	5.0542
27.....	15,404.618	215,568.95	1,301.9762	12.9938	82.....	115.34130	676.35438	71.093633	4.8639
28.....	14,366.174	200,164.33	1,271.3110	12.9330	83.....	98.645919	561.01308	61.943941	4.6871
29.....	13,396.658	185,798.16	1,241.6388	12.8690	84.....	83.804779	462.36716	53.556273	4.5172
30.....	12,491.570	172,401.50	1,212.9674	12.8014	85.....	70.838535	378.56238	46.072584	4.3440
31.....	11,646.696	159,909.93	1,185.2992	12.7301	86.....	59.567263	307.72385	39.435609	4.1660
32.....	10,858.095	148,263.23	1,158.6315	12.6546	87.....	49.763160	248.15658	33.528430	3.9868
33.....	10,121.876	137,405.14	1,132.7547	12.5751	88.....	41.266216	198.39342	28.287020	3.8076
34.....	9,434.3451	127,283.26	1,107.4027	12.4915	89.....	33.922758	157.12721	23.643221	3.6319
35.....	8,792.1924	117,848.91	1,082.4502	12.4038	90.....	27.607736	123.20445	19.547444	3.4627
36.....	8,192.2691	109,056.72	1,057.7170	12.3122	91.....	22.230420	95.596713	15.976242	3.3003
37.....	7,631.5963	100,864.45	1,032.9871	12.2167	92.....	17.699777	73.366293	12.899926	3.1450
38.....	7,107.5838	93,232.856	1,008.2379	12.1174	93.....	13.913844	55.666516	10.271922	3.0008
39.....	6,617.8248	86,125.272	983.46101	12.0141	94.....	10.781669	41.752672	8.0499985	2.8726
40.....	6,160.1435	79,507.448	958.72147	11.9068	95.....	8.2267156	30.971003	6.2003881	2.7647
41.....	5,732.3877	73,347.304	933.96576	11.7952	96.....	6.1795705	22.744288	4.6914393	2.6806
42.....	5,332.5135	67,614.916	909.10755	11.6797	97.....	4.5951171	16.564717	3.5112568	2.6049
43.....	4,958.5897	62,282.403	884.03976	11.5605	98.....	3.3843681	11.969600	2.6011230	2.5367
44.....	4,608.8932	57,323.813	858.73705	11.4377	99.....	2.4702408	8.5852319	1.9084030	2.4755
45.....	4,281.7910	52,714.920	833.15123	11.3114	100....	1.7878310	6.1149910	1.3875977	2.4203
46.....	3,975.8231	48,433.129	807.30041	11.1819	101....	1.2837295	4.3271600	1.0004571	2.3708
47.....	3,689.6381	44,457.306	781.21604	11.0492	102....	.9149992	3.0434305	.7157091	2.3262
48.....	3,421.9497	40,767.668	754.90582	10.9136	103....	.6477339	2.1284313	.5083036	2.2860
49.....	3,171.5077	37,345.718	728.32974	10.7754	104....	.4556415	1.4806974	.3585862	2.2497
50.....	2,937.2904	34,174.210	701.59423	10.6346	105....	.3186467	1.0250559	.2513998	2.2169
51.....	2,718.4211	31,236.920	674.88410	10.4908	106....	.2216441	.7064092	.1752432	2.1871
52.....	2,514.0060	28,518.499	648.30963	10.3438	107....	.1534088	.4847652	.1215080	2.1600
53.....	2,323.1060	26,004.493	621.87732	10.1938	108....	.1056986	.3313564	.0838340	2.1349
54.....	2,144.7913	23,681.387	595.54155	10.0413	109....	.0725241	.2256577	.0575743	2.1115

**TABLE 7L.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,305,407.6	3,303.1383	12.0541	55.....	1,185.9993	11,967.079	299.54898	9.0903
1.....	90,830.556	1,205,407.6	1,541.1012	12.2709	56.....	1,082.6527	10,781.080	284.05412	8.9580
2.....	83,993.874	1,114,577.1	1,432.6092	12.2697	57.....	987.25893	9,698.4269	268.85688	8.8236
3.....	77,701.333	1,030,583.2	1,361.8366	12.2634	58.....	899.29233	8,711.1680	254.02057	8.6867
4.....	71,893.158	952,881.87	1,309.3162	12.2541	59.....	818.25610	7,811.8756	239.59859	8.5470
5.....	66,530.461	880,988.71	1,272.0383	12.2419	60.....	743.65084	6,993.6195	225.60489	8.4044
6.....	61,571.478	814,458.25	1,241.2371	12.2278	61.....	674.98708	6,249.9687	212.02638	8.2594
7.....	56,986.113	752,806.77	1,216.7226	12.2118	62.....	611.80704	5,574.9816	198.84538	8.1123
8.....	52,745.397	695,900.66	1,197.1996	12.1936	63.....	553.71370	4,963.1746	186.07108	7.9634
9.....	48,822.213	643,155.26	1,181.0829	12.1734	64.....	500.38799	4,409.4609	173.76120	7.8121
10.....	45,192.644	594,333.05	1,167.9732	12.1511	65.....	451.53530	3,909.0729	161.97428	7.6573
11.....	41,833.742	549,140.41	1,156.6751	12.1267	66.....	406.87093	3,457.5376	150.75698	7.4979
12.....	38,724.488	507,306.66	1,146.2166	12.1004	67.....	366.08965	3,050.6666	140.11429	7.3331
13.....	35,844.175	468,582.17	1,134.3842	12.0728	68.....	328.85359	2,684.5770	129.99598	7.1634
14.....	33,174.780	432,738.00	1,120.1129	12.0442	69.....	294.80811	2,355.7234	120.31002	6.9907
15.....	30,700.187	399,563.22	1,102.9111	12.0150	70.....	263.64580	2,060.9153	110.98535	6.8170
16.....	28,406.201	368,863.03	1,083.0129	11.9853	71.....	235.11102	1,797.2695	101.97989	6.6443
17.....	26,279.944	340,456.83	1,060.9192	11.9550	72.....	209.03329	1,562.1585	93.317793	6.4733
18.....	24,309.435	314,176.89	1,037.0725	11.9241	73.....	185.27318	1,353.1252	85.041623	6.3034
19.....	22,483.751	289,867.45	1,012.0878	11.8923	74.....	163.74375	1,167.8520	77.236132	6.1322
20.....	20,792.265	267,383.70	986.06498	11.8598	75.....	144.33556	1,004.1082	69.957116	5.9568
21.....	19,225.145	246,591.44	959.11204	11.8265	76.....	126.89502	859.77268	63.208092	5.7755
22.....	17,773.290	227,366.29	931.34239	11.7926	77.....	111.23876	732.87767	56.951463	5.5883
23.....	16,428.938	209,593.00	903.53048	11.7576	78.....	97.191774	621.63891	51.144388	5.3960
24.....	15,184.598	193,164.07	876.14892	11.7211	79.....	84.573042	524.44714	45.725047	5.2011
25.....	14,033.381	177,979.47	849.71647	11.6826	80.....	73.221460	439.87410	40.638135	5.0074
26.....	12,968.403	163,946.09	824.24848	11.6420	81.....	62.991473	366.65264	35.831960	4.8207
27.....	11,983.165	150,977.68	799.63253	11.5991	82.....	53.790635	303.66116	31.297157	4.6452
28.....	11,071.889	138,994.52	775.99907	11.5538	83.....	45.578598	249.87053	27.069611	4.4822
29.....	10,229.093	127,922.63	753.34270	11.5058	84.....	38.362831	204.29193	23.230036	4.3253
30.....	9,449.6930	117,693.54	731.65324	11.4547	85.....	32.127095	165.92910	19.835991	4.1648
31.....	8,728.9789	108,243.84	710.91641	11.4005	86.....	26.765142	133.80200	16.853824	3.9991
32.....	8,062.5860	99,514.864	691.11456	11.3428	87.....	22.152864	107.03686	14.224148	3.8317
33.....	7,446.3208	91,452.278	672.07790	11.2815	88.....	18.200219	84.883997	11.912456	3.6639
34.....	6,876.2635	84,005.957	653.59999	11.2168	89.....	14.822898	66.683778	9.8833002	3.4987
35.....	6,348.8923	77,129.694	635.58163	11.1485	90.....	11.951785	51.860880	8.1101796	3.3392
36.....	5,860.9094	70,780.801	617.88704	11.0768	91.....	9.5347581	39.909095	6.5784698	3.1856
37.....	5,409.2395	64,919.892	600.35858	11.0017	92.....	7.5212467	30.374337	5.2712368	3.0385
38.....	4,991.1754	59,510.652	582.97889	10.9232	93.....	5.8577280	22.853090	4.1648475	2.9014
39.....	4,604.2207	54,519.477	565.74085	10.8412	94.....	4.4970537	16.995362	3.2380790	2.7792
40.....	4,246.1146	49,915.256	548.68818	10.7555	95.....	3.3996061	12.498308	2.4737464	2.6764
41.....	3,914.6818	45,669.142	531.78235	10.6661	96.....	2.5299994	9.0987022	1.8559624	2.5963
42.....	3,607.8867	41,754.460	514.96372	10.5731	97.....	1.8638834	6.5687027	1.3772537	2.5242
43.....	3,323.8325	38,146.573	498.16032	10.4767	98.....	1.3600653	4.7048194	1.0115011	2.4593
44.....	3,060.8188	34,822.741	481.35650	10.3769	99.....	.9835161	3.3447540	.7356975	2.4008
45.....	2,817.2570	31,761.922	464.52200	10.2741	100....	.7052266	2.3612379	.5302610	2.3482
46.....	2,591.7199	28,944.665	447.67063	10.1681	101....	.5016904	1.6560113	.3789638	2.3009
47.....	2,382.8945	26,352.945	430.82445	10.0592	102....	.3542770	1.1543209	.2687127	2.2582
48.....	2,189.5491	23,970.050	413.98974	9.9475	103....	.2484728	.8000439	.1891513	2.2198
49.....	2,010.5129	21,780.501	397.14238	9.8333	104....	.1731672	.5515711	.1322510	2.1852
50.....	1,844.7945	19,769.988	380.35087	9.7166	105....	.1199808	.3784039	.0918918	2.1539
51.....	1,691.5228	17,925.194	363.73064	9.5971	106....	.0826834	.2584231	.0634819	2.1255
52.....	1,549.8421	16,233.671	347.34793	9.4744	107....	.0566986	.1757397	.0436218	2.0995
53.....	1,418.8948	14,683.829	331.20374	9.3488	108....	.0387036	.1190410	.0298267	2.0757
54.....	1,297.8552	13,264.934	315.26745	9.2207	109....	.0263102	.0803374	.0203003	2.0535

**TABLE 7J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,070,784.2	2,655.9780	9.7078	55.....	432.30804	3,804.9269	86.405581	7.8014
1.....	89,179.091	970,784.24	925.97804	9.8858	56.....	387.46197	3,372.6189	80.860248	7.7044
2.....	80,967.318	881,605.15	821.39529	9.8884	57.....	346.89823	2,985.1569	75.520318	7.6053
3.....	73,539.671	800,637.83	754.41324	9.8872	58.....	310.24370	2,638.2587	70.401992	7.5038
4.....	66,805.443	727,098.16	705.60964	9.8838	59.....	277.15480	2,328.0150	65.517064	7.3997
5.....	60,698.210	660,292.72	671.59959	9.8783	60.....	247.30523	2,050.8602	60.863383	7.2928
6.....	55,152.601	599,594.51	644.00950	9.8716	61.....	220.38942	1,803.5550	56.429875	7.1835
7.....	50,117.169	544,441.91	622.44984	9.8634	62.....	196.12856	1,583.1656	52.204408	7.0721
8.....	45,544.205	494,324.74	605.59225	9.8537	63.....	174.27805	1,387.0370	48.183773	6.9588
9.....	41,390.159	448,780.53	591.92899	9.8427	64.....	154.63058	1,212.7590	44.379758	6.8429
10.....	37,616.506	407,390.37	581.01704	9.8301	65.....	136.99707	1,058.1284	40.803575	6.7237
11.....	34,187.590	369,773.87	571.78390	9.8160	66.....	121.20131	921.13130	37.462092	6.6000
12.....	31,071.236	335,586.28	563.39240	9.8005	67.....	107.07034	799.93000	34.349422	6.4711
13.....	28,237.257	304,515.04	554.07103	9.7842	68.....	94.431170	692.85966	31.443922	6.3372
14.....	25,659.195	276,277.79	543.03282	9.7672	69.....	83.115740	598.42849	28.713144	6.1999
15.....	23,313.478	250,618.59	529.96996	9.7499	70.....	72.978643	515.31275	26.132023	6.0611
16.....	21,179.235	227,305.11	515.13411	9.7325	71.....	63.896782	442.33411	23.684585	5.9226
17.....	19,237.677	206,125.88	498.96088	9.7147	72.....	55.776663	378.43733	21.373264	5.7849
18.....	17,471.658	186,888.20	481.82186	9.6966	73.....	48.537866	322.66066	19.205073	5.6476
19.....	15,865.695	169,416.54	464.19136	9.6782	74.....	42.117630	274.12280	17.197370	5.5085
20.....	14,405.330	153,550.85	446.16217	9.6593	75.....	36.450512	232.00517	15.359127	5.3649
21.....	13,077.421	139,145.52	427.82811	9.6401	76.....	31.463419	195.55465	13.685717	5.2153
22.....	11,870.018	126,068.10	409.28195	9.6207	77.....	27.079993	164.09124	12.162602	5.0595
23.....	10,772.689	114,198.08	391.04529	9.6007	78.....	23.230202	137.01124	10.774629	4.8980
24.....	9,775.7254	103,425.39	373.41725	9.5798	79.....	19.846618	113.78104	9.5028808	4.7330
25.....	8,870.3155	93,649.664	356.70965	9.5576	80.....	16.870347	93.934423	8.3308478	4.5680
26.....	8,048.1179	84,779.349	340.90436	9.5341	81.....	14.249462	77.064076	7.2436306	4.4082
27.....	7,301.4720	76,731.231	325.90559	9.5090	82.....	11.946878	62.814614	6.2364528	4.2578
28.....	6,623.5635	69,429.759	311.76729	9.4822	83.....	9.9389339	50.867736	5.3145882	4.1180
29.....	6,008.1141	62,806.195	298.45994	9.4536	84.....	8.2133543	40.928802	4.4925480	3.9832
30.....	5,449.4141	56,798.081	285.95214	9.4228	85.....	6.7532439	32.715448	3.7791062	3.8444
31.....	4,942.2718	51,348.667	274.21113	9.3897	86.....	5.5238465	25.962204	3.1636401	3.7000
32.....	4,481.9666	46,406.395	263.20335	9.3540	87.....	4.4888283	20.438357	2.6307898	3.5532
33.....	4,064.1250	41,924.429	252.81333	9.3157	88.....	3.6208522	15.949529	2.1708889	3.4049
34.....	3,684.7574	37,860.304	242.91165	9.2748	89.....	2.8953321	12.328677	1.7745373	3.2581
35.....	3,340.2996	34,175.546	233.43177	9.2313	90.....	2.2920765	9.4333446	1.4344937	3.1156
36.....	3,027.4957	30,835.247	224.29150	9.1851	91.....	1.7953002	7.1412681	1.1460879	2.9778
37.....	2,743.3790	27,807.751	215.40167	9.1363	92.....	1.3904274	5.3459679	.9044242	2.8448
38.....	2,485.3268	25,064.372	206.74755	9.0849	93.....	1.0632092	3.9555405	.7036086	2.7204
39.....	2,250.9605	22,579.045	198.32004	9.0308	94.....	.8013988	2.8923313	.5384535	2.6091
40.....	2,038.1424	20,328.085	190.13473	8.9738	95.....	.5948128	2.0909325	.4047219	2.5153
41.....	1,844.8895	18,289.942	182.16744	8.9138	96.....	.4346135	1.4961197	.2985965	2.4424
42.....	1,669.3902	16,445.053	174.38536	8.8509	97.....	.3143638	1.0615063	.2178572	2.3767
43.....	1,509.9937	14,775.663	166.75170	8.7852	98.....	.2252188	.7471425	.1572907	2.3174
44.....	1,365.2265	13,265.669	159.25664	8.7168	99.....	.1599033	.5219237	.1124496	2.2640
45.....	1,233.7428	11,900.442	151.88441	8.6458	100....	.1125734	.3620203	.0796564	2.2159
46.....	1,114.3389	10,666.699	144.63898	8.5722	101....	.0786274	.2494470	.0559443	2.1725
47.....	1,005.9239	9,552.3605	137.52747	8.4961	102....	.0545145	.1708196	.0389794	2.1335
48.....	907.49880	8,546.4366	130.55002	8.4176	103....	.0375387	.1163051	.0269594	2.0983
49.....	818.14317	7,638.9378	123.69428	8.3369	104....	.0256860	.0787664	.0185194	2.0665
50.....	737.05775	6,820.7946	116.98550	8.2541	105....	.0174733	.0530803	.0126417	2.0378
51.....	663.53289	6,083.7369	110.46589	8.1687	106....	.0118226	.0356071	.0085795	2.0118
52.....	596.90212	5,420.2040	104.15630	8.0806	107....	.0079597	.0237845	.0057914	1.9881
53.....	536.53361	4,823.3019	98.051615	7.9897	108....	.0053347	.0158248	.0038900	1.9664
54.....	481.84132	4,286.7683	92.135112	7.8966	109....	.0035605	.0104901	.0026008	1.9462

**TABLE 7K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
POPULATION OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	911,465.17	2,343.0176	8.1147	55.....	160.47218	1,253.3937	26.179997	6.8107
1.....	87,586.607	811,465.17	643.91045	8.2647	56.....	141.25707	1,092.9215	24.158334	6.7371
2.....	78,101.447	723,878.56	543.02945	8.2684	57.....	124.21037	951.66444	22.246319	6.6617
3.....	69,669.977	645,777.12	479.57202	8.2691	58.....	109.10217	827.45407	20.446377	6.5842
4.....	62,159.927	576,107.14	434.16213	8.2681	59.....	95.725466	718.35190	18.759190	6.5043
5.....	55,468.855	513,947.21	403.08216	8.2655	60.....	83.890550	622.62643	17.180575	6.4219
6.....	49,501.000	458,478.36	378.31928	8.2620	61.....	73.425204	538.73588	15.703502	6.3372
7.....	44,178.317	408,977.36	359.31443	8.2574	62.....	64.175595	465.31068	14.320879	6.2506
8.....	39,430.331	364,799.04	344.71981	8.2517	63.....	56.007532	401.13508	13.028772	6.1622
9.....	35,194.035	325,368.71	333.10194	8.2450	64.....	48.806063	345.12755	11.828111	6.0714
10.....	31,414.133	290,174.67	323.98920	8.2371	65.....	42.468247	296.32149	10.719516	5.9775
11.....	28,040.760	258,760.54	316.41615	8.2280	66.....	36.900736	253.85324	9.7021737	5.8794
12.....	25,029.633	230,719.78	309.65633	8.2179	67.....	32.016331	216.95211	8.7714185	5.7763
13.....	22,340.512	205,690.15	302.28152	8.2070	68.....	27.732717	184.93618	7.9181261	5.6685
14.....	19,938.308	183,349.64	293.70436	8.1958	69.....	23.973696	157.20346	7.1304674	5.5573
15.....	17,792.092	163,411.33	283.73521	8.1845	70.....	20.673888	133.22976	6.3992697	5.4443
16.....	15,874.676	145,619.24	272.61515	8.1731	71.....	17.777882	112.55587	5.7183235	5.3312
17.....	14,161.912	129,744.56	260.70915	8.1615	72.....	15.241518	94.777993	5.0867325	5.2184
18.....	12,632.173	115,582.65	248.31747	8.1499	73.....	13.026599	79.536475	4.5048331	5.1057
19.....	11,266.206	102,950.48	235.79809	8.1380	74.....	11.101686	66.509876	3.9756276	4.9910
20.....	10,046.539	91,684.269	223.22420	8.1260	75.....	9.4363342	55.408189	3.4997419	4.8718
21.....	8,957.5657	81,637.730	210.66602	8.1138	76.....	7.9998209	45.971855	3.0742643	4.7466
22.....	7,985.3499	72,680.165	198.18941	8.1017	77.....	6.7623486	37.972034	2.6939157	4.6152
23.....	7,117.7274	64,694.815	186.14009	8.0893	78.....	5.6973994	31.209686	2.3535039	4.4779
24.....	6,343.6745	57,577.087	174.70089	8.0763	79.....	4.7806268	25.512286	2.0471669	4.3366
25.....	5,653.3468	51,233.413	164.05258	8.0625	80.....	3.9911404	20.731659	1.7698906	4.1944
26.....	5,037.7377	45,580.066	154.15922	8.0477	81.....	3.3109004	16.740519	1.5172728	4.0562
27.....	4,488.7593	40,542.328	144.93836	8.0320	82.....	2.7263196	13.429619	1.2874312	3.9259
28.....	3,999.2841	36,053.569	136.40170	8.0150	83.....	2.2275978	10.703299	1.0808152	3.8049
29.....	3,562.8979	32,054.285	128.51026	7.9967	84.....	1.8079741	8.4757011	.8998626	3.6880
30.....	3,173.8740	28,491.387	121.22540	7.9768	85.....	1.4600198	6.6677270	.7456198	3.5669
31.....	2,827.0999	25,317.513	114.50926	7.9553	86.....	1.1729043	5.2077072	.6149350	3.4400
32.....	2,518.0121	22,490.413	108.32498	7.9318	87.....	.9361138	4.0348030	.5038128	3.3102
33.....	2,242.4921	19,972.401	102.59200	7.9063	88.....	.7416194	3.0986892	.4096164	3.1783
34.....	1,996.8591	17,729.909	97.226040	7.8789	89.....	.5824295	2.3570698	.3298856	3.0470
35.....	1,777.8643	15,733.050	92.180405	7.8494	90.....	.4528441	1.7746403	.2627034	2.9189
36.....	1,582.6008	13,955.185	87.402394	7.8179	91.....	.3483625	1.3217962	.2067408	2.7943
37.....	1,408.4724	12,372.585	82.838287	7.7844	92.....	.2649825	.9734337	.1606854	2.6736
38.....	1,253.2009	10,964.112	78.474537	7.7489	93.....	.1990043	.7084511	.1230981	2.5600
39.....	1,114.7557	9,710.9114	74.300931	7.7112	94.....	.1473218	.5094469	.0927375	2.4581
40.....	991.33634	8,596.1557	70.319661	7.6713	95.....	.1073923	.3621251	.0685925	2.3720
41.....	881.31571	7,604.8193	66.513637	7.6289	96.....	.0770674	.2547328	.0497740	2.3053
42.....	783.23786	6,723.5036	62.862472	7.5842	97.....	.0547488	.1776654	.0357126	2.2451
43.....	695.80194	5,940.2658	59.344895	7.5373	98.....	.0385231	.1229166	.0253529	2.1907
44.....	617.85970	5,244.4638	55.952860	7.4881	99.....	.0268627	.0843934	.0178199	2.1417
45.....	548.38358	4,626.6041	52.675997	7.4368	100....	.0185739	.0575308	.0124092	2.0974
46.....	486.46520	4,078.2205	49.512999	7.3834	101....	.0127413	.0389569	.0085667	2.0575
47.....	431.29483	3,591.7553	46.463905	7.3278	102....	.0086762	.0262156	.0058667	2.0216
48.....	382.14648	3,160.4605	43.525709	7.2703	103....	.0058677	.0175394	.0039878	1.9891
49.....	338.36682	2,778.3140	40.690318	7.2110	104....	.0039433	.0116717	.0026921	1.9599
50.....	299.38817	2,439.9472	37.965257	7.1498	105....	.0026346	.0077284	.0018059	1.9334
51.....	264.70993	2,140.5590	35.364322	7.0864	106....	.0017508	.0050938	.0012043	1.9095
52.....	233.87595	1,875.8491	32.892121	7.0207	107....	.0011577	.0033430	.0007988	1.8877
53.....	206.46862	1,641.9731	30.542920	6.9527	108....	.0007620	.0021854	.0005272	1.8678
54.....	182.11085	1,435.5045	28.306791	6.8826	109....	.0004995	.0014233	.0003464	1.8494

**TABLE 8A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,755,125.1	52,919.447	46.5513	55.....	43,978.496	782,251.43	36,233.326	16.7871
1.....	96,969.307	4,655,125.1	50,878.853	47.0062	56.....	42,713.570	738,272.94	35,403.831	16.2843
2.....	95,875.762	4,558,155.8	50,745.400	46.5423	57.....	41,428.357	695,559.37	34,541.524	15.7895
3.....	94,830.621	4,462,280.0	50,649.525	46.0553	58.....	40,126.440	654,131.01	33,649.789	15.3017
4.....	93,814.713	4,367,449.4	50,572.533	45.5540	59.....	38,810.611	614,004.57	32,731.251	14.8205
5.....	92,824.550	4,273,634.7	50,511.229	45.0399	60.....	37,481.443	575,193.96	31,786.347	14.3461
6.....	91,852.190	4,180,810.1	50,457.924	44.5167	61.....	36,138.420	537,712.51	30,814.427	13.8792
7.....	90,896.381	4,088,958.0	50,411.543	43.9848	62.....	34,780.904	501,574.09	29,814.717	13.4210
8.....	89,955.919	3,998,061.6	50,371.044	43.4447	63.....	33,409.985	466,793.19	28,788.164	12.9717
9.....	89,030.531	3,908,105.7	50,336.309	42.8962	64.....	32,029.921	433,383.21	27,738.892	12.5306
10.....	88,119.069	3,819,075.1	50,306.338	42.3399	65.....	30,646.926	401,353.29	26,673.025	12.0960
11.....	87,220.429	3,730,956.1	50,280.164	41.7762	66.....	29,267.814	370,706.36	25,597.348	11.6660
12.....	86,330.090	3,643,735.6	50,253.394	41.2070	67.....	27,896.284	341,438.54	24,515.598	11.2396
13.....	85,442.001	3,557,405.5	50,220.058	40.6353	68.....	26,532.957	313,542.26	23,428.472	10.8171
14.....	84,549.513	3,471,963.5	50,173.530	40.0643	69.....	25,174.522	287,009.30	22,332.739	10.4008
15.....	83,648.768	3,387,414.0	50,109.909	39.4957	70.....	23,817.341	261,834.78	21,224.811	9.9935
16.....	82,739.398	3,303,765.3	50,028.745	38.9298	71.....	22,460.460	238,017.44	20,103.745	9.5972
17.....	81,822.711	3,221,025.9	49,931.260	38.3659	72.....	21,107.495	215,556.98	18,973.161	9.2123
18.....	80,899.168	3,139,203.1	49,817.842	37.8039	73.....	19,765.602	194,449.49	17,840.253	8.8378
19.....	79,968.427	3,058,304.0	49,688.083	37.2439	74.....	18,446.199	174,683.88	16,716.549	8.4699
20.....	79,029.392	2,978,335.6	49,540.815	36.6864	75.....	17,159.348	156,237.68	15,612.334	8.1051
21.....	78,081.039	2,899,306.2	49,374.931	36.1320	76.....	15,909.604	139,078.34	14,532.485	7.7418
22.....	77,123.193	2,821,225.1	49,190.165	35.5808	77.....	14,696.851	123,168.73	13,477.253	7.3806
23.....	76,159.535	2,744,101.9	48,990.103	35.0310	78.....	13,520.667	108,471.88	12,446.581	7.0227
24.....	75,195.099	2,667,942.4	48,779.722	34.4803	79.....	12,377.702	94,951.214	11,437.484	6.6712
25.....	74,233.942	2,592,747.3	48,563.070	33.9267	80.....	11,263.954	82,573.513	10,446.288	6.3308
26.....	73,276.986	2,518,513.4	48,341.104	33.3698	81.....	10,174.138	71,309.559	9,467.9968	6.0089
27.....	72,323.659	2,445,236.4	48,113.292	32.8096	82.....	9,108.5736	61,135.421	8,503.1661	5.7119
28.....	71,374.859	2,372,912.7	47,880.567	32.2458	83.....	8,077.5011	52,026.847	7,562.2775	5.4410
29.....	70,431.439	2,301,537.8	47,643.829	31.6777	84.....	7,102.6027	43,949.346	6,667.3544	5.1878
30.....	69,492.818	2,231,106.4	47,402.549	31.1056	85.....	6,203.8070	36,846.743	5,838.8815	4.9394
31.....	68,559.825	2,161,613.6	47,157.604	30.5289	86.....	5,380.3591	30,642.936	5,076.8574	4.6953
32.....	67,631.891	2,093,053.8	46,908.481	29.9477	87.....	4,626.3631	25,262.577	4,376.1323	4.4606
33.....	66,708.482	2,025,421.9	46,654.694	29.3623	88.....	3,941.7987	20,636.214	3,737.3735	4.2352
34.....	65,787.112	1,958,713.4	46,393.804	28.7735	89.....	3,324.9658	16,694.415	3,159.5683	4.0209
35.....	64,866.744	1,892,926.3	46,124.793	28.1818	90.....	2,774.2395	13,369.449	2,641.7625	3.8191
36.....	63,944.480	1,828,059.5	45,844.774	27.5882	91.....	2,290.2309	10,595.210	2,185.2215	3.6263
37.....	63,019.501	1,764,115.1	45,552.909	26.9932	92.....	1,870.1209	8,304.9791	1,787.7871	3.4409
38.....	62,089.183	1,701,095.6	45,246.547	26.3976	93.....	1,507.2248	6,434.8583	1,443.4071	3.2693
39.....	61,152.928	1,639,006.4	44,925.036	25.8018	94.....	1,195.8412	4,927.6334	1,146.9464	3.1206
40.....	60,210.204	1,577,853.4	44,587.786	25.2057	95.....	932.64954	3,731.7923	895.59483	3.0013
41.....	59,259.360	1,517,643.2	44,233.083	24.6102	96.....	715.14828	2,799.1427	687.32772	2.9141
42.....	58,298.302	1,458,383.9	43,858.751	24.0159	97.....	543.27195	2,083.9944	522.53207	2.8360
43.....	57,324.547	1,400,085.6	43,462.207	23.4238	98.....	409.09991	1,540.7225	393.73897	2.7661
44.....	56,335.273	1,342,761.0	43,040.503	22.8352	99.....	305.55713	1,131.6226	294.24668	2.7035
45.....	55,327.374	1,286,425.8	42,590.379	22.2512	100....	226.49044	826.06544	218.20531	2.6472
46.....	54,299.161	1,231,098.4	42,109.962	21.6725	101....	166.70145	599.57500	160.65879	2.5967
47.....	53,249.736	1,176,799.2	41,598.152	21.0996	102....	121.89672	432.87355	117.50458	2.5512
48.....	52,176.305	1,123,549.5	41,051.947	20.5337	103....	88.598399	310.97683	85.413151	2.5100
49.....	51,076.987	1,071,373.2	40,469.225	19.9757	104....	64.039976	222.37843	61.731939	2.4725
50.....	49,951.776	1,020,296.2	39,849.727	19.4256	105....	46.053619	158.33845	44.379642	2.4381
51.....	48,802.885	970,344.42	39,195.408	18.8829	106....	32.964360	112.28483	31.746359	2.4062
52.....	47,631.616	921,541.54	38,507.336	18.3473	107....	23.494776	79.320473	22.603156	2.3761
53.....	46,437.996	873,909.92	37,785.316	17.8189	108....	16.680128	55.825697	16.021129	2.3468
54.....	45,220.493	827,471.92	37,027.595	17.2986	109....	11.799952	39.145569	11.306103	2.3174

**TABLE 8B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,108,331.4	39,285.685	40.0833	55.....	33,518.425	563,347.66	25,193.032	15.8071
1.....	96,491.626	4,008,331.4	37,255.143	40.5407	56.....	32,393.990	529,829.23	24,563.943	15.3558
2.....	94,933.500	3,911,839.8	37,123.002	40.2061	57.....	31,264.508	497,435.24	23,913.191	14.9105
3.....	93,436.076	3,816,906.3	37,028.536	39.8505	58.....	30,132.826	466,170.73	23,243.545	14.4705
4.....	91,979.762	3,723,470.2	36,953.051	39.4814	59.....	29,001.138	436,037.91	22,557.170	14.0352
5.....	90,560.645	3,631,490.4	36,893.241	39.1001	60.....	27,869.950	407,036.77	21,854.571	13.6049
6.....	89,170.562	3,540,929.8	36,841.492	38.7096	61.....	26,738.952	379,166.82	21,135.443	13.1803
7.....	87,807.965	3,451,759.2	36,796.687	38.3103	62.....	25,607.750	352,427.87	20,399.398	12.7625
8.....	86,471.381	3,363,951.2	36,757.758	37.9025	63.....	24,477.224	326,820.12	19,647.312	12.3520
9.....	85,160.253	3,277,479.9	36,724.532	37.4860	64.....	23,350.548	302,342.89	18,882.369	11.9480
10.....	83,873.201	3,192,319.6	36,696.006	37.0613	65.....	22,232.253	278,992.34	18,109.155	11.5490
11.....	82,608.905	3,108,446.4	36,671.216	36.6285	66.....	21,127.211	256,760.09	17,332.669	11.1531
12.....	81,362.854	3,025,837.5	36,645.985	36.1894	67.....	20,037.963	235,632.88	16,555.645	10.7593
13.....	80,129.185	2,944,474.7	36,614.723	35.7466	68.....	18,964.797	215,594.92	15,778.607	10.3682
14.....	78,901.590	2,864,345.5	36,571.303	35.3028	69.....	17,905.197	196,630.12	14,999.275	9.9817
15.....	77,676.477	2,785,443.9	36,512.224	34.8596	70.....	16,856.464	178,724.92	14,215.151	9.6028
16.....	76,453.551	2,707,767.4	36,437.226	34.4172	71.....	15,817.840	161,868.46	13,425.637	9.2333
17.....	75,234.060	2,631,313.8	36,347.591	33.9750	72.....	14,791.785	146,050.62	12,633.343	8.8738
18.....	74,018.456	2,556,079.8	36,243.820	33.5330	73.....	13,783.174	131,258.83	11,843.330	8.5231
19.....	72,806.449	2,482,061.3	36,125.682	33.0912	74.....	12,799.748	117,475.66	11,063.596	8.1780
20.....	71,597.073	2,409,254.9	35,992.263	32.6502	75.....	11,848.153	104,675.91	10,301.160	7.8348
21.....	70,389.446	2,337,657.8	35,842.720	32.2103	76.....	10,931.118	92,827.758	9,559.2207	7.4921
22.....	69,183.463	2,267,268.4	35,676.976	31.7718	77.....	10,048.120	81,896.641	8,837.7670	7.1504
23.....	67,982.465	2,198,084.9	35,498.394	31.3331	78.....	9,198.4354	71,848.520	8,136.5765	6.8110
24.....	66,790.930	2,130,102.4	35,311.526	30.8921	79.....	8,379.3669	62,650.085	7,453.4454	6.4767
25.....	65,612.383	2,063,311.5	35,120.037	30.4470	80.....	7,587.8263	54,270.718	6,785.7378	6.1523
26.....	64,447.521	1,997,699.1	34,924.815	29.9973	81.....	6,819.9233	46,682.892	6,129.9702	5.8451
27.....	63,295.720	1,933,251.6	34,725.441	29.5432	82.....	6,075.5774	39,862.968	5,486.4113	5.5612
28.....	62,157.644	1,869,955.9	34,522.770	29.0841	83.....	5,361.2930	33,787.391	4,861.9138	5.3021
29.....	61,033.907	1,807,798.2	34,317.619	28.6196	84.....	4,690.9993	28,426.098	4,270.8510	5.0597
30.....	59,923.872	1,746,764.3	34,109.563	28.1497	85.....	4,077.1948	23,735.099	3,726.3716	4.8214
31.....	58,828.121	1,686,840.5	33,899.386	27.6740	86.....	3,518.5990	19,657.904	3,228.0299	4.5869
32.....	57,746.031	1,628,012.3	33,686.678	27.1926	87.....	3,010.6034	16,139.305	2,772.0334	4.3608
33.....	56,677.019	1,570,266.3	33,471.054	26.7055	88.....	2,552.4875	13,128.701	2,358.4091	4.1435
34.....	55,618.862	1,513,589.3	33,250.489	26.2136	89.....	2,142.4549	10,576.214	1,986.0980	3.9365
35.....	54,570.597	1,457,970.4	33,024.178	25.7171	90.....	1,778.7864	8,433.7591	1,654.0913	3.7413
36.....	53,529.723	1,403,399.8	32,789.766	25.2172	91.....	1,461.2160	6,654.9727	1,362.8085	3.5544
37.....	52,495.518	1,349,870.1	32,546.641	24.7140	92.....	1,187.2992	5,193.7567	1,110.4860	3.3744
38.....	51,465.779	1,297,374.6	32,292.697	24.2085	93.....	952.19057	4,006.4575	892.92367	3.2076
39.....	50,440.012	1,245,908.8	32,027.509	23.7008	94.....	751.75211	3,054.2669	706.55699	3.0629
40.....	49,417.795	1,195,468.8	31,750.710	23.1911	95.....	583.41149	2,302.5148	549.32600	2.9466
41.....	48,397.792	1,146,051.0	31,461.019	22.6798	96.....	445.15159	1,719.1033	419.68794	2.8618
42.....	47,378.339	1,097,653.2	31,156.805	22.1678	97.....	336.49951	1,273.9517	317.61446	2.7859
43.....	46,357.487	1,050,274.9	30,836.126	21.6560	98.....	252.14588	937.45221	238.23373	2.7179
44.....	45,333.055	1,003,917.4	30,496.780	21.1454	99.....	187.40028	685.30633	177.21443	2.6569
45.....	44,302.677	958,584.33	30,136.348	20.6372	100....	138.22386	497.90605	130.80747	2.6022
46.....	43,265.165	914,281.65	29,753.556	20.1321	101....	101.23434	359.68218	95.860663	2.5530
47.....	42,219.981	871,016.49	29,347.758	19.6304	102....	73.660700	258.44784	69.783096	2.5086
48.....	41,165.106	828,796.50	28,916.823	19.1335	103....	53.275192	184.78714	50.486170	2.4685
49.....	40,099.274	787,631.40	28,459.343	18.6420	104....	38.318247	131.51195	36.316543	2.4321
50.....	39,022.717	747,532.12	27,975.386	18.1563	105....	27.420387	93.193700	25.984962	2.3987
51.....	37,937.386	708,509.41	27,466.746	17.6758	106....	19.530339	65.773314	18.500142	2.3678
52.....	36,844.490	670,572.02	26,934.501	17.2001	107....	13.851340	46.242974	13.109768	2.3385
53.....	35,744.238	633,727.53	26,378.748	16.7295	108....	9.7853235	32.391634	9.2484513	2.3102
54.....	34,635.638	597,983.29	25,798.388	16.2650	109....	6.8882893	22.606311	6.4960278	2.2818



**TABLE 8C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,590,151.9	29,604.834	34.9015	55.....	25,580.350	407,144.85	17,597.086	14.9163
1.....	96,018.627	3,490,151.9	27,584.245	35.3487	56.....	24,601.024	381,564.50	17,119.335	14.5101
2.....	94,005.060	3,394,133.2	27,453.397	35.1059	57.....	23,626.872	356,963.48	16,627.556	14.1084
3.....	92,068.740	3,300,128.2	27,360.313	34.8442	58.....	22,660.023	333,336.61	16,123.979	13.7103
4.....	90,189.455	3,208,059.4	27,286.297	34.5702	59.....	21,702.082	310,676.58	15,610.352	13.3155
5.....	88,362.676	3,117,870.0	27,227.939	34.2849	60.....	20,753.360	288,974.50	15,087.162	12.9242
6.....	86,579.829	3,029,507.3	27,177.694	33.9909	61.....	19,813.559	268,221.14	14,554.289	12.5373
7.....	84,838.896	2,942,927.5	27,134.404	33.6884	62.....	18,882.321	248,407.58	14,011.553	12.1556
8.....	83,137.959	2,858,088.6	27,096.975	33.3777	63.....	17,960.235	229,525.26	13,459.707	11.7796
9.....	81,476.015	2,774,950.6	27,065.187	33.0585	64.....	17,049.545	211,565.03	12,901.179	11.4088
10.....	79,851.287	2,693,474.6	27,038.028	32.7311	65.....	16,153.441	194,515.48	12,339.380	11.0417
11.....	78,262.090	2,613,623.3	27,014.543	32.3958	66.....	15,275.296	178,362.04	11,777.969	10.6765
12.....	76,703.754	2,535,361.2	26,990.757	32.0539	67.....	14,416.734	163,086.74	11,218.923	10.3123
13.....	75,170.431	2,458,657.5	26,961.429	31.7078	68.....	13,577.737	148,670.01	10,662.607	9.9495
14.....	73,655.968	2,383,487.0	26,920.896	31.3597	69.....	12,756.284	135,092.27	10,107.384	9.5903
15.....	72,156.852	2,309,831.1	26,866.015	31.0113	70.....	11,950.262	122,335.99	9,551.4849	9.2371
16.....	70,672.685	2,237,674.2	26,796.688	30.6625	71.....	11,158.967	110,385.73	8,994.5089	8.8921
17.....	69,204.494	2,167,001.5	26,714.236	30.3130	72.....	10,383.966	99,226.761	8,438.3110	8.5558
18.....	67,752.557	2,097,797.0	26,619.250	29.9626	73.....	9,628.4813	88,842.795	7,886.4338	8.2271
19.....	66,316.468	2,030,044.5	26,511.643	29.6115	74.....	8,897.6607	79,214.314	7,344.4069	7.9028
20.....	64,895.215	1,963,728.0	26,390.713	29.2600	75.....	8,195.7923	70,316.653	6,817.0024	7.5796
21.....	63,487.880	1,898,832.8	26,255.833	28.9086	76.....	7,524.3801	62,120.861	6,306.2921	7.2559
22.....	62,094.259	1,835,344.9	26,107.072	28.5574	77.....	6,882.6685	54,596.481	5,812.1174	6.9325
23.....	60,717.227	1,773,250.7	25,947.575	28.2051	78.....	6,269.7737	47,713.812	5,334.1768	6.6101
24.....	59,360.614	1,712,533.4	25,781.495	27.8497	79.....	5,683.4884	41,444.039	4,870.8282	6.2920
25.....	58,027.328	1,653,172.8	25,612.143	27.4896	80.....	5,121.3802	35,760.550	4,420.1610	5.9826
26.....	56,717.731	1,595,145.5	25,440.337	27.1243	81.....	4,580.5223	30,639.170	3,979.7223	5.6890
27.....	55,431.017	1,538,427.8	25,265.735	26.7539	82.....	4,060.5881	26,058.648	3,549.6023	5.4175
28.....	54,167.516	1,482,996.7	25,089.116	26.3780	83.....	3,565.6343	21,998.060	3,134.2678	5.1695
29.....	52,927.504	1,428,829.2	24,911.213	25.9960	84.....	3,104.5488	18,432.425	2,743.0968	4.9372
30.....	51,710.172	1,375,901.7	24,731.675	25.6080	85.....	2,685.0999	15,327.876	2,384.5214	4.7085
31.....	50,515.768	1,324,191.5	24,551.196	25.2134	86.....	2,305.8690	12,642.777	2,057.9395	4.4829
32.....	49,343.505	1,273,675.8	24,369.439	24.8124	87.....	1,963.2892	10,336.908	1,760.5728	4.2651
33.....	48,192.641	1,224,332.3	24,186.094	24.4050	88.....	1,656.3809	8,373.6183	1,492.1604	4.0554
34.....	47,061.059	1,176,139.6	23,999.465	23.9918	89.....	1,383.4841	6,717.2374	1,251.7416	3.8553
35.....	45,947.742	1,129,078.6	23,808.914	23.5731	90.....	1,143.0155	5,333.7533	1,038.4002	3.6664
36.....	44,850.401	1,083,130.8	23,612.510	23.1499	91.....	934.34797	4,190.7378	852.14469	3.4852
37.....	43,768.275	1,038,280.4	23,409.804	22.7222	92.....	755.47529	3,256.3898	691.59257	3.3104
38.....	42,699.386	994,512.15	23,199.115	22.2910	93.....	602.90632	2,500.9145	553.83683	3.1481
39.....	41,643.204	951,812.77	22,980.176	21.8564	94.....	473.65975	1,898.0082	436.41196	3.0071
40.....	40,599.266	910,169.56	22,752.772	21.4184	95.....	365.79071	1,424.3484	337.83036	2.8939
41.....	39,566.373	869,570.30	22,515.943	20.9775	96.....	277.73556	1,058.5577	256.94758	2.8114
42.....	38,543.078	830,003.92	22,268.459	20.5344	97.....	208.91705	780.82216	193.57486	2.7375
43.....	37,527.732	791,460.85	22,008.860	20.0900	98.....	155.77838	571.90512	144.53261	2.6713
44.....	36,518.530	753,933.11	21,735.496	19.6452	99.....	115.21033	416.12674	107.01904	2.6119
45.....	35,513.555	717,414.58	21,446.570	19.2011	100....	84.560994	300.91641	78.628728	2.5586
46.....	34,511.864	681,901.03	21,141.223	18.7585	101....	61.628384	216.35541	57.354177	2.5106
47.....	33,513.050	647,389.17	20,819.113	18.3175	102....	44.622575	154.72703	41.556768	2.4675
48.....	32,515.544	613,876.12	20,478.725	17.8795	103....	32.115130	110.10445	29.924275	2.4284
49.....	31,518.400	581,360.57	20,119.141	17.4451	104....	22.985617	77.989322	21.424470	2.3930
50.....	30,521.863	549,842.17	19,740.612	17.0147	105....	16.367788	55.003704	15.257339	2.3605
51.....	29,527.508	519,320.31	19,344.725	16.5877	106....	11.600910	38.635917	10.811399	2.3304
52.....	28,536.310	489,792.80	18,932.498	16.1638	107....	8.1872855	27.035007	7.6252428	2.3021
53.....	27,548.450	461,256.49	18,504.174	15.7435	108....	5.7555814	18.847721	5.3540738	2.2747
54.....	26,563.188	433,708.04	18,059.077	15.3274	109....	4.0317283	13.092140	3.7430753	2.2473

**TABLE 8D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	2,826,928.9	17,662.255	27.2693	55	14,957.829	214,842.21	8,700.2795	13.3632
1	95,086.408	2,726,928.9	15,661.284	27.6784	56	14,245.517	199,884.38	8,423.6323	13.0314
2	92,188.580	2,631,842.5	15,532.964	27.5485	57	13,548.593	185,638.86	8,141.6263	12.7017
3	89,413.077	2,539,653.9	15,442.565	27.4036	58	12,868.007	172,090.27	7,855.6589	12.3735
4	86,737.630	2,450,240.8	15,371.382	27.2489	59	12,204.367	159,222.26	7,566.8159	12.0463
5	84,155.712	2,363,503.2	15,315.803	27.0849	60	11,557.536	147,017.90	7,275.4515	11.7205
6	81,657.186	2,279,347.5	15,268.414	26.9136	61	10,927.033	135,460.36	6,981.5759	11.3968
7	79,238.389	2,197,690.3	15,227.982	26.7352	62	10,312.361	124,533.33	6,685.1668	11.0761
8	76,895.856	2,118,451.9	15,193.363	26.5496	63	9,713.5431	114,220.97	6,386.7091	10.7589
9	74,627.055	2,041,556.1	15,164.247	26.3568	64	9,131.4850	104,507.42	6,087.5697	10.4447
10	72,428.817	1,966,929.0	15,139.613	26.1567	65	8,567.5493	95,375.939	5,789.5996	10.1322
11	70,298.144	1,894,500.2	15,118.517	25.9495	66	8,023.1356	86,808.390	5,494.7262	9.8198
12	68,229.468	1,824,202.1	15,097.359	25.7363	67	7,498.6718	78,785.255	5,203.9459	9.5066
13	66,216.367	1,755,972.6	15,071.525	25.5187	68	6,993.7127	71,286.583	4,917.3947	9.1930
14	64,252.377	1,689,756.2	15,036.167	25.2987	69	6,506.8009	64,292.870	4,634.1833	8.8809
15	62,333.539	1,625,503.8	14,988.757	25.0775	70	6,036.4792	57,786.069	4,353.3801	8.5728
16	60,458.691	1,563,170.3	14,929.450	24.8552	71	5,582.0437	51,749.590	4,074.7644	8.2707
17	58,627.908	1,502,711.6	14,859.599	24.6313	72	5,143.9346	46,167.546	3,799.2390	7.9751
18	56,840.611	1,444,083.7	14,779.911	24.4058	73	4,723.3804	41,023.612	3,528.5083	7.6852
19	55,095.659	1,387,243.1	14,690.511	24.1788	74	4,322.4893	36,300.231	3,265.1913	7.3980
20	53,391.438	1,332,147.4	14,591.018	23.9506	75	3,942.8656	31,977.742	3,011.4653	7.1103
21	51,726.455	1,278,756.0	14,481.125	23.7215	76	3,584.7156	28,034.876	2,768.1561	6.8207
22	50,099.834	1,227,029.5	14,361.099	23.4917	77	3,247.1607	24,450.161	2,535.0103	6.5297
23	48,513.177	1,176,929.7	14,233.661	23.2600	78	2,929.2857	21,203.000	2,311.7129	6.2383
24	46,968.762	1,128,416.5	14,102.251	23.0248	79	2,629.5885	18,273.714	2,097.3347	5.9493
25	45,468.042	1,081,447.8	13,969.553	22.7848	80	2,346.5120	15,644.126	1,890.8481	5.6670
26	44,010.416	1,035,979.7	13,836.239	22.5394	81	2,078.3262	13,297.614	1,691.0073	5.3982
27	42,594.391	991,969.31	13,702.072	22.2887	82	1,824.5283	11,219.288	1,497.7432	5.1491
28	41,219.378	949,374.92	13,567.672	22.0322	83	1,586.5779	9,394.7595	1,312.9344	4.9214
29	39,884.751	908,155.54	13,433.609	21.7695	84	1,367.9998	7,808.1816	1,140.5674	4.7077
30	38,589.077	868,270.79	13,299.627	21.5004	85	1,171.6852	6,440.1818	984.09739	4.4965
31	37,331.748	829,681.71	13,166.251	21.2246	86	996.43296	5,268.4966	842.97189	4.2874
32	36,111.398	792,349.97	13,033.234	20.9418	87	840.15745	4,272.0636	715.71869	4.0848
33	34,926.734	756,238.57	12,900.358	20.6521	88	701.93931	3,431.9061	601.97116	3.8892
34	33,775.508	721,311.83	12,766.416	20.3561	89	580.59922	2,729.9668	501.07591	3.7020
35	32,656.326	687,536.33	12,630.986	20.0537	90	475.02599	2,149.3676	412.41333	3.5247
36	31,566.936	654,880.00	12,492.751	19.7458	91	384.53584	1,674.3416	335.75890	3.3542
37	30,506.226	623,313.06	12,351.466	19.4323	92	307.90121	1,289.8058	270.32433	3.1890
38	29,472.272	592,806.84	12,206.043	19.1141	93	243.33462	981.90458	214.72575	3.0352
39	28,464.206	563,334.57	12,056.393	18.7910	94	189.31434	738.56996	167.79288	2.9013
40	27,481.223	534,870.36	11,902.465	18.4631	95	144.78136	549.25562	128.77390	2.7937
41	26,522.049	507,389.14	11,743.714	18.1308	96	108.86152	404.47426	97.071004	2.7155
42	25,585.280	480,867.09	11,579.432	17.7947	97	81.092323	295.61274	72.472528	2.6454
43	24,669.426	455,281.81	11,408.781	17.4553	98	59.879201	214.52042	53.621318	2.5826
44	23,772.944	430,612.38	11,230.826	17.1135	99	43.855411	154.64121	39.341582	2.5262
45	22,894.268	406,839.44	11,044.566	16.7704	100	31.876071	110.78580	28.639584	2.4755
46	22,032.510	383,945.17	10,849.631	16.4263	101	23.005858	78.909733	20.697800	2.4300
47	21,187.146	361,912.66	10,645.991	16.0817	102	16.495870	55.903875	14.857886	2.3890
48	20,356.939	340,725.52	10,432.885	15.7376	103	11.756911	39.408004	10.599389	2.3519
49	19,541.080	320,368.58	10,209.947	15.3946	104	8.3330246	27.651093	7.5179372	2.3183
50	18,739.517	300,827.50	9,977.5410	15.0531	105	5.8762386	19.318069	5.3038607	2.2875
51	17,953.003	282,087.98	9,736.8383	14.7126	106	4.1244349	13.441830	3.7232095	2.2591
52	17,181.895	264,134.98	9,488.6337	14.3729	107	2.8825395	9.3173954	2.6014433	2.2324
53	16,426.059	246,953.08	9,233.2407	14.0342	108	2.0067233	6.4348559	1.8095845	2.2066
54	15,684.813	230,527.02	8,970.4237	13.6975	109	1.3920425	4.4281327	1.2533520	2.1810

**TABLE 8E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	2,305,628.5	11,321.978	22.0563	55	8,791.8905	114,834.84	4,375.1631	12.0614
1	94,172.115	2,205,628.5	9,340.2476	22.4212	56	8,292.6971	106,042.94	4,214.1193	11.7875
2	90,424.246	2,111,456.4	9,214.3829	22.3506	57	7,811.1625	97,750.248	4,051.5346	11.5142
3	86,858.575	2,021,032.1	9,126.5671	22.2681	58	7,347.4498	89,939.085	3,888.2513	11.2409
4	83,449.376	1,934,173.5	9,058.0824	22.1778	59	6,901.5162	82,591.635	3,724.9118	10.9672
5	80,186.826	1,850,724.2	9,005.1242	22.0802	60	6,472.8922	75,690.119	3,561.7308	10.6934
6	77,057.998	1,770,537.3	8,960.4046	21.9767	61	6,060.9299	69,217.227	3,398.7259	10.4202
7	74,056.441	1,693,479.3	8,922.6165	21.8674	62	5,664.9880	63,156.297	3,235.8967	10.1485
8	71,176.072	1,619,422.9	8,890.5729	21.7523	63	5,284.7257	57,491.309	3,073.5185	9.8788
9	68,411.840	1,548,246.8	8,863.8818	21.6313	64	4,920.2829	52,206.583	2,912.3344	9.6105
10	65,758.250	1,479,835.0	8,841.5164	21.5042	65	4,572.0310	47,286.300	2,753.3241	9.3425
11	63,210.118	1,414,076.7	8,822.5477	21.3711	66	4,240.3389	42,714.269	2,597.4794	9.0733
12	60,760.118	1,350,866.6	8,803.7062	21.2328	67	3,925.0452	38,473.930	2,445.2757	8.8022
13	58,400.405	1,290,106.5	8,780.9212	21.0907	68	3,625.5341	34,548.885	2,296.7278	8.5293
14	56,123.351	1,231,706.1	8,750.0364	20.9464	69	3,340.6856	30,923.351	2,151.3230	8.2566
15	53,923.747	1,175,582.8	8,709.0231	20.8008	70	3,069.4155	27,582.665	2,008.5408	7.9863
16	51,798.944	1,121,659.0	8,658.2104	20.6541	71	2,811.0534	24,513.250	1,868.2331	7.7203
17	49,747.407	1,069,860.1	8,598.9404	20.5058	72	2,565.5187	21,702.196	1,730.8158	7.4592
18	47,767.078	1,020,112.7	8,531.9728	20.3560	73	2,333.1172	19,136.678	1,597.0882	7.2022
19	45,855.476	972,345.58	8,457.5664	20.2046	74	2,114.5670	16,803.561	1,468.2732	6.9466
20	44,009.793	926,490.10	8,375.5556	20.0519	75	1,910.3079	14,688.994	1,345.3436	6.6893
21	42,227.397	882,480.31	8,285.8433	19.8983	76	1,720.0853	12,778.686	1,228.5944	6.4291
22	40,506.224	840,252.91	8,188.8015	19.7438	77	1,543.1316	11,058.600	1,117.7978	6.1663
23	38,846.248	799,746.69	8,086.7570	19.5875	78	1,378.6842	9,515.4687	1,012.7016	5.9018
24	37,247.949	760,900.44	7,982.5445	19.4280	79	1,225.7298	8,136.7846	912.77354	5.6383
25	35,711.113	723,652.49	7,878.3218	19.2641	80	1,083.2623	6,911.0548	817.44948	5.3799
26	34,233.909	687,941.38	7,774.6223	19.0953	81	950.22933	5,827.7925	726.08047	5.1330
27	32,813.860	653,707.47	7,671.2622	18.9217	82	826.16958	4,877.5632	638.56801	4.9038
28	31,449.245	620,893.61	7,568.7189	18.7427	83	711.51472	4,051.3936	555.68890	4.6940
29	30,138.356	589,444.36	7,467.4160	18.5579	84	607.59252	3,339.8789	479.13265	4.4969
30	28,878.921	559,306.01	7,367.1480	18.3673	85	515.39620	2,732.2864	410.30527	4.3013
31	27,669.338	530,427.09	7,268.2933	18.1702	86	434.09245	2,216.8902	348.82445	4.1070
32	26,507.492	502,757.75	7,170.6524	17.9666	87	362.49224	1,782.7977	293.92011	3.9182
33	25,391.374	476,250.26	7,074.0530	17.7564	88	299.94490	1,420.3055	245.31478	3.7352
34	24,318.344	450,858.88	6,977.6146	17.5399	89	245.70967	1,120.3606	202.61589	3.5597
35	23,286.451	426,540.54	6,881.0427	17.3171	90	199.09807	874.65091	165.45466	3.3931
36	22,293.194	403,254.09	6,783.4188	17.0887	91	159.62114	675.55284	133.63535	3.2322
37	21,336.945	380,960.89	6,684.5999	16.8545	92	126.58110	515.93170	106.73458	3.0759
38	20,415.558	359,623.95	6,583.8649	16.6152	93	99.075267	389.35060	84.097255	2.9298
39	19,527.678	339,208.39	6,481.1982	16.3706	94	76.339399	290.27534	65.171974	2.8024
40	18,672.027	319,680.71	6,376.6125	16.1208	95	57.820488	213.93594	49.589194	2.7000
41	17,847.047	301,008.68	6,269.7869	15.8660	96	43.057361	156.11545	37.049931	2.6258
42	17,051.137	283,161.64	6,160.3022	15.6066	97	31.765568	113.05809	27.414191	2.5591
43	16,282.689	266,110.50	6,047.6663	15.3432	98	23.230404	81.292521	20.100780	2.4994
44	15,540.104	249,827.81	5,931.3390	15.0763	99	16.850308	58.062116	14.614160	2.4458
45	14,821.822	234,287.71	5,810.7538	14.8069	100	12.129791	41.211809	10.541733	2.3976
46	14,126.764	219,465.89	5,685.7659	14.5355	101	8.6702348	29.082017	7.5487065	2.3542
47	13,454.113	205,339.12	5,556.4517	14.2622	102	6.1570339	20.411783	5.3689762	2.3152
48	12,802.624	191,885.01	5,422.4280	13.9879	103	4.3460371	14.254749	3.7947884	2.2799
49	12,171.356	179,082.38	5,283.5688	13.7134	104	3.0507509	9.9087115	2.6666574	2.2480
50	11,559.862	166,911.03	5,140.2042	13.4388	105	2.1306268	6.8579607	1.8638699	2.2188
51	10,968.197	155,351.17	4,993.1495	13.1638	106	1.4810725	4.7273339	1.2962628	2.1918
52	10,396.164	144,382.97	4,842.9695	12.8881	107	1.0251585	3.2462614	.8973131	2.1666
53	9,843.2677	133,986.81	4,689.9260	12.6120	108	.7068172	2.2211029	.6184010	2.1424
54	9,308.7025	124,143.54	4,533.9481	12.3363	109	.4855970	1.5142857	.4243661	2.1184

**TABLE 8F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	1,935,649.0	7,826.2364	18.3565	55	5,194.0304	62,123.400	2,235.7723	10.9605
1	93,275.238	1,835,649.0	5,863.3792	18.6799	56	4,852.4610	56,929.369	2,141.5377	10.7321
2	88,710.081	1,742,373.8	5,739.9006	18.6412	57	4,527.1613	52,076.908	2,047.3076	10.5032
3	84,400.461	1,653,663.7	5,654.5699	18.5931	58	4,217.8484	47,549.747	1,953.5738	10.2735
4	80,315.479	1,569,263.2	5,588.6572	18.5387	59	3,924.1254	43,331.899	1,860.7008	10.0424
5	76,440.448	1,488,947.8	5,538.1732	18.4785	60	3,645.3631	39,407.773	1,768.8015	9.8104
6	72,758.203	1,412,507.3	5,495.9489	18.4137	61	3,380.8486	35,762.410	1,677.8757	9.5779
7	69,258.187	1,339,749.1	5,460.6092	18.3443	62	3,129.8930	32,381.562	1,587.9130	9.3459
8	65,930.496	1,270,490.9	5,430.9272	18.2702	63	2,891.9913	29,251.669	1,499.0538	9.1147
9	62,766.460	1,204,560.4	5,406.4387	18.1911	64	2,666.9118	26,359.677	1,411.6881	8.8840
10	59,757.256	1,141,794.0	5,386.1143	18.1072	65	2,454.5494	23,692.765	1,326.3215	8.6526
11	56,894.599	1,082,036.7	5,369.0408	18.0183	66	2,254.7958	21,238.216	1,243.4513	8.4191
12	54,168.535	1,025,142.1	5,352.2434	17.9250	67	2,067.2612	18,983.420	1,163.2879	8.1829
13	51,568.961	970,973.57	5,332.1236	17.8286	68	1,891.3275	16,916.159	1,085.7952	7.9441
14	49,086.284	919,404.61	5,305.1113	17.7304	69	1,726.1335	15,024.831	1,010.6644	7.7043
15	46,713.313	870,318.33	5,269.5822	17.6311	70	1,570.8637	13,298.698	937.59144	7.4659
16	44,445.270	823,605.01	5,225.9831	17.5308	71	1,424.9379	11,727.834	866.46872	7.2304
17	42,278.458	779,159.74	5,175.6118	17.4292	72	1,288.0896	10,302.896	797.47458	6.9986
18	40,208.827	736,881.29	5,119.2405	17.3264	73	1,160.2498	9,014.8067	730.97235	6.7697
19	38,232.084	696,672.46	5,057.2040	17.2222	74	1,041.5507	7,854.5569	667.52326	6.5412
20	36,343.783	658,440.38	4,989.4786	17.1170	75	931.97958	6,813.0062	607.54978	6.3103
21	34,539.747	622,096.59	4,916.0988	17.0110	76	831.18377	5,881.0266	551.13395	6.0755
22	32,816.378	587,556.85	4,837.4798	16.9044	77	738.57406	5,049.8428	498.10443	5.8373
23	31,171.809	554,740.47	4,755.5951	16.7962	78	653.58177	4,311.2688	448.28233	5.5964
24	29,604.609	523,568.66	4,672.7671	16.6854	79	575.53789	3,657.6870	401.36138	5.3552
25	28,112.819	493,964.05	4,590.7201	16.5708	80	503.79846	3,082.1491	357.02852	5.1178
26	26,693.255	465,851.23	4,509.8622	16.4520	81	437.71929	2,578.3506	314.93976	4.8904
27	25,342.322	439,157.98	4,430.0367	16.3290	82	376.94718	2,140.6314	275.01142	4.6789
28	24,057.104	413,815.65	4,351.5962	16.2014	83	321.54312	1,763.6842	237.55723	4.4851
29	22,834.774	389,758.55	4,274.8426	16.0686	84	271.96424	1,442.1410	203.28992	4.3027
30	21,672.158	366,923.78	4,199.5965	15.9307	85	228.49917	1,170.1768	172.77554	4.1211
31	20,566.672	345,251.62	4,126.1176	15.7869	86	190.62054	941.67764	145.77782	3.9401
32	19,515.421	324,684.95	4,054.2322	15.6374	87	157.66315	751.05710	121.89760	3.7637
33	18,515.674	305,169.52	3,983.7908	15.4817	88	129.21622	593.39395	100.95843	3.5923
34	17,564.321	286,653.85	3,914.1366	15.3202	89	104.84358	464.17773	82.738945	3.4273
35	16,658.838	269,089.53	3,845.0503	15.1530	90	84.145458	359.33415	67.033377	3.2704
36	15,796.386	252,430.69	3,775.8764	14.9803	91	66.818706	275.18870	53.713552	3.1184
37	14,974.824	236,634.30	3,706.5228	14.8021	92	52.483230	208.36999	42.559919	2.9702
38	14,191.712	221,659.48	3,636.4977	14.6189	93	40.687499	155.88676	33.263390	2.8313
39	13,445.228	207,467.77	3,565.8094	14.4306	94	31.051924	115.19926	25.565315	2.7099
40	12,733.655	194,022.54	3,494.4857	14.2370	95	23.295154	84.147339	19.287207	2.6122
41	12,055.133	181,288.89	3,422.3283	14.0383	96	17.182062	60.852185	14.283408	2.5416
42	11,407.830	169,233.75	3,349.0790	13.8349	97	12.555341	43.670124	10.474882	2.4782
43	10,789.960	157,825.92	3,274.4392	13.6271	98	9.0943719	31.114782	7.6117855	2.4213
44	10,199.801	147,035.96	3,198.0874	13.4156	99	6.5338298	22.020410	5.4843088	2.3702
45	9,635.7033	136,836.16	3,119.6946	13.2010	100	4.6586207	15.486580	3.9202344	2.3243
46	9,096.3792	127,200.46	3,039.2136	12.9836	101	3.2982147	10.827960	2.7816675	2.2830
47	8,580.7444	118,104.08	2,956.7397	12.7638	102	2.3198700	7.5297450	1.9603806	2.2458
48	8,087.4742	109,523.33	2,872.0764	12.5423	103	1.6219205	5.2098750	1.3729012	2.2122
49	7,615.4738	101,435.86	2,785.1938	12.3197	104	1.1276827	3.5879545	.9558977	2.1817
50	7,163.9850	93,820.386	2,696.3466	12.0961	105	.7800665	2.4602718	.6619806	2.1539
51	6,732.5766	86,656.401	2,606.0804	11.8712	106	.5370869	1.6802053	.4561470	2.1284
52	6,320.6712	79,923.825	2,514.7739	11.6448	107	.3682166	1.1431184	.3128523	2.1045
53	5,927.5254	73,603.153	2,422.6124	11.4172	108	.2514568	.7749019	.2136267	2.0816
54	5,552.2284	67,675.628	2,329.5785	11.1889	109	.1711104	.5234450	.1452544	2.0591

TABLE 8G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,663,833.7	5,820.7318	15.6383	55.....	3,083.8507	33,988.906	1,159.9501	10.0216
1.....	92,395.283	1,563,833.7	3,876.3922	15.9255	56.....	2,853.8711	30,905.055	1,104.5280	9.8292
2.....	87,044.201	1,471,438.4	3,755.2323	15.9045	57.....	2,637.4346	28,051.184	1,049.6314	9.6358
3.....	82,034.233	1,384,394.2	3,672.2940	15.8758	58.....	2,434.0535	25,413.749	995.53912	9.4409
4.....	77,327.325	1,302,360.0	3,608.8336	15.8422	59.....	2,243.1870	22,979.696	942.44920	9.2442
5.....	72,902.160	1,225,032.7	3,560.6864	15.8038	60.....	2,064.1764	20,736.509	890.41150	9.0459
6.....	68,735.732	1,152,130.5	3,520.7965	15.7617	61.....	1,896.3355	18,672.332	839.41076	8.8465
7.....	64,811.960	1,083,394.8	3,487.7255	15.7160	62.....	1,739.0112	16,775.997	789.42622	8.6469
8.....	61,115.844	1,018,582.8	3,460.2110	15.6664	63.....	1,591.6710	15,036.986	740.52063	8.4473
9.....	57,633.970	957,466.99	3,437.7250	15.6129	64.....	1,453.9465	13,445.314	692.89062	8.2475
10.....	54,353.184	899,833.02	3,419.2386	15.5553	65.....	1,325.5465	11,991.368	646.78955	8.0464
11.....	51,261.205	845,479.84	3,403.8557	15.4936	66.....	1,206.1848	10,665.822	602.45877	7.8426
12.....	48,344.636	794,218.64	3,388.8642	15.4283	67.....	1,095.4320	9,459.6367	559.98058	7.6355
13.....	45,590.360	745,874.00	3,371.0770	15.3603	68.....	992.75076	8,364.2047	519.30492	7.4253
14.....	42,986.118	700,283.64	3,347.4216	15.2909	69.....	897.49352	7,371.4539	480.24111	7.2134
15.....	40,522.122	657,297.52	3,316.6014	15.2207	70.....	809.05654	6,473.9604	442.60565	7.0019
16.....	38,190.953	616,775.40	3,279.1375	15.1498	71.....	726.97546	5,664.9039	406.32023	6.7924
17.....	35,986.326	578,584.45	3,236.2628	15.0779	72.....	650.95852	4,937.9284	371.45284	6.5856
18.....	33,901.835	542,598.12	3,188.7337	15.0050	73.....	580.82081	4,286.9699	338.16184	6.3809
19.....	31,931.051	508,696.28	3,136.9214	14.9311	74.....	516.48120	3,706.1491	306.69889	6.1758
20.....	30,067.603	476,765.23	3,080.8915	14.8564	75.....	457.78750	3,189.6679	277.23997	5.9676
21.....	28,305.528	446,697.63	3,020.7563	14.7813	76.....	404.42503	2,731.8804	249.78999	5.7550
22.....	26,639.507	418,392.10	2,956.9353	14.7057	77.....	355.97414	2,327.4554	224.23110	5.5383
23.....	25,065.766	391,752.59	2,891.0905	14.6290	78.....	312.03820	1,971.4812	200.44463	5.3181
24.....	23,580.974	366,686.83	2,825.1155	14.5501	79.....	272.18563	1,659.4430	178.25460	5.0967
25.....	22,181.465	343,105.85	2,760.3791	14.4681	80.....	236.01062	1,387.2574	157.48632	4.8779
26.....	20,862.715	320,924.39	2,697.1828	14.3827	81.....	203.12053	1,151.2468	137.95533	4.6678
27.....	19,620.005	300,061.67	2,635.3819	14.2937	82.....	173.26948	948.12624	119.60166	4.4720
28.....	18,449.283	280,441.67	2,575.2263	14.2007	83.....	146.40781	774.85676	102.54770	4.2925
29.....	17,346.678	261,992.39	2,516.9196	14.1033	84.....	122.66488	628.44896	87.092005	4.1233
30.....	16,308.168	244,645.71	2,460.2974	14.0014	85.....	102.08842	505.78408	73.458845	3.9544
31.....	15,330.293	228,337.54	2,405.5266	13.8945	86.....	84.361637	403.69565	61.510647	3.7853
32.....	14,409.463	213,007.25	2,352.4490	13.7825	87.....	69.117648	319.33401	51.041845	3.6202
33.....	13,542.313	198,597.78	2,300.9284	13.6650	88.....	56.5112445	250.21637	41.948962	3.4592
34.....	12,725.302	185,055.47	2,250.4641	13.5423	89.....	45.099054	194.10392	34.111747	3.3039
35.....	11,955.422	172,330.17	2,200.8835	13.4144	90.....	35.854174	149.00487	27.419643	3.1559
36.....	11,229.525	160,374.75	2,151.7083	13.2815	91.....	28.202690	113.15069	21.797641	3.0121
37.....	10,545.053	149,145.22	2,102.8705	13.1436	92.....	21.943023	84.948002	17.134353	2.8713
38.....	9,899.3179	138,600.17	2,054.0250	13.0010	93.....	16.850793	63.004979	13.284181	2.7390
39.....	9,290.1363	128,700.85	2,005.1822	12.8535	94.....	12.738881	46.154186	10.126088	2.6231
40.....	8,715.4625	119,410.72	1,956.3651	12.7010	95.....	9.4665512	33.415305	7.5748262	2.5298
41.....	8,173.2127	110,695.25	1,907.4434	12.5437	96.....	6.9164767	23.948754	5.5605942	2.4626
42.....	7,661.3846	102,522.04	1,858.2499	12.3817	97.....	5.0063546	17.032277	4.0419708	2.4021
43.....	7,178.0668	94,860.656	1,808.5955	12.2153	98.....	3.5921067	12.025923	2.9111014	2.3479
44.....	6,721.4470	87,682.589	1,758.2813	12.0452	99.....	2.5563939	8.4338159	2.0787154	2.2991
45.....	6,289.8160	80,961.142	1,707.1095	11.8718	100....	1.8055135	5.8774220	1.4725366	2.2553
46.....	5,881.7493	74,671.326	1,655.0702	11.6954	101....	1.2662100	4.0719085	1.0354320	2.2158
47.....	5,495.9953	68,789.576	1,602.2454	11.5163	102....	.8822139	2.8056986	.7231082	2.1803
48.....	5,131.1857	63,293.581	1,548.5299	11.3351	103....	.6109747	1.9234847	.5018056	2.1482
49.....	4,786.1377	58,162.395	1,493.9263	11.1523	104....	.4207887	1.3125099	.3462030	2.1192
50.....	4,459.9127	53,376.258	1,438.6148	10.9680	105....	.2883315	.8917212	.2375641	2.0927
51.....	4,151.8001	48,916.345	1,382.9500	10.7820	106....	.1966476	.6033897	.1622008	2.0684
52.....	3,861.0174	44,764.545	1,327.1749	10.5940	107....	.1335460	.4067421	.1102302	2.0457
53.....	3,586.7030	40,903.528	1,271.4087	10.4042	108....	.0903388	.2731962	.0745822	2.0241
54.....	3,327.9190	37,316.825	1,215.6456	10.2133	109....	.0608935	.1828574	.0502504	2.0029

TABLE 8H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,457,926.4	4,621.6368	13.5793	55.....	1,839.9591	18,794.045	610.44201	9.2144
1.....	91,531.776	1,357,926.4	2,695.4686	13.8356	56.....	1,686.8298	16,954.086	577.68386	9.0509
2.....	85,424.810	1,266,394.6	2,576.5628	13.8247	57.....	1,544.3321	15,267.256	545.53951	8.8860
3.....	79,755.636	1,180,969.8	2,495.9282	13.8074	58.....	1,411.9236	13,722.924	514.16215	8.7193
4.....	74,476.857	1,101,214.2	2,434.8070	13.7860	59.....	1,289.0467	12,311.000	483.65404	8.5505
5.....	69,558.600	1,026,737.3	2,388.8680	13.7608	60.....	1,175.0925	11,021.954	454.03006	8.3796
6.....	64,970.333	957,178.73	2,351.1634	13.7326	61.....	1,069.4550	9,846.8611	425.26775	8.2074
7.....	60,688.970	892,208.40	2,320.1962	13.7013	62.....	971.56490	8,777.4061	397.34198	8.0343
8.....	56,693.140	831,519.43	2,294.6728	13.6670	63.....	880.93697	7,805.8412	370.27436	7.8608
9.....	52,963.579	774,826.29	2,274.0089	13.6294	64.....	797.19032	6,924.9043	344.15911	7.6866
10.....	49,481.843	721,862.71	2,257.1794	13.5884	65.....	719.99697	6,127.7139	319.11839	7.5107
11.....	46,230.839	672,380.86	2,243.3060	13.5440	66.....	649.04026	5,407.7170	295.26429	7.3319
12.....	43,192.998	626,150.03	2,229.9120	13.4966	67.....	583.93606	4,758.6767	272.62067	7.1493
13.....	40,351.544	582,957.03	2,214.1688	13.4470	68.....	524.25452	4,174.7406	251.14055	6.9632
14.....	37,690.982	542,605.48	2,193.4273	13.3962	69.....	469.52137	3,650.4861	230.70443	6.7749
15.....	35,198.446	504,914.50	2,166.6561	13.3448	70.....	419.30013	3,180.9648	211.19954	6.5864
16.....	32,863.506	469,716.05	2,134.4183	13.2929	71.....	373.23982	2,761.6646	192.57008	6.3992
17.....	30,677.008	436,852.55	2,097.8692	13.2404	72.....	331.08814	2,388.4248	174.83595	6.2139
18.....	28,629.963	406,175.54	2,057.7310	13.1871	73.....	292.65406	2,057.3367	158.06185	6.0299
19.....	26,713.628	377,545.58	2,014.3847	13.1331	74.....	257.80361	1,764.6826	142.35700	5.8451
20.....	24,919.571	350,831.95	1,967.9480	13.0786	75.....	226.37085	1,506.8790	127.78989	5.6567
21.....	23,239.945	325,912.38	1,918.5746	13.0238	76.....	198.11469	1,280.5081	114.34304	5.4635
22.....	21,667.665	302,672.43	1,866.6648	12.9689	77.....	172.75045	1,082.3935	101.93958	5.2656
23.....	20,197.099	281,004.77	1,813.6094	12.9131	78.....	150.01359	909.64300	90.504141	5.0637
24.....	18,823.130	260,807.67	1,760.9460	12.8557	79.....	129.63137	759.62941	79.935894	4.8599
25.....	17,540.518	241,984.54	1,709.7541	12.7957	80.....	111.35213	629.99804	70.137216	4.6577
26.....	16,343.501	224,444.02	1,660.2472	12.7329	81.....	94.938621	518.64590	61.008422	4.4630
27.....	15,226.339	208,100.52	1,612.2859	12.6671	82.....	80.229346	423.70728	52.510085	4.2812
28.....	14,183.975	192,874.18	1,566.0377	12.5980	83.....	67.157961	343.47794	44.687349	4.1145
29.....	13,211.643	178,690.21	1,521.6299	12.5252	84.....	55.741108	276.31998	37.664007	3.9572
30.....	12,304.609	165,478.56	1,478.9081	12.4485	85.....	45.957241	220.57887	31.526755	3.7997
31.....	11,458.696	153,173.95	1,437.9694	12.3675	86.....	37.622230	174.62163	26.198292	3.6414
32.....	10,669.759	141,715.26	1,398.6672	12.2820	87.....	30.535889	136.99940	21.573219	3.4865
33.....	9,933.9445	131,045.50	1,360.8743	12.1917	88.....	24.558560	106.46351	17.593565	3.3351
34.....	9,247.3882	121,111.56	1,324.2023	12.0968	89.....	19.553893	81.904948	14.195532	3.1887
35.....	8,606.7257	111,864.17	1,288.5091	11.9973	90.....	15.400244	62.351055	11.321110	3.0487
36.....	8,008.5985	103,257.44	1,253.4387	11.8933	91.....	12.000532	46.950811	8.9288907	2.9124
37.....	7,450.1671	95,248.843	1,218.9343	11.7848	92.....	9.2497186	34.950279	6.9631587	2.7785
38.....	6,928.5858	87,798.676	1,184.7471	11.6719	93.....	7.0367883	25.700560	5.3553501	2.6523
39.....	6,441.4480	80,870.090	1,150.8812	11.5546	94.....	5.2699625	18.663772	4.0488750	2.5415
40.....	5,986.5132	74,428.642	1,117.3496	11.4327	95.....	3.8796282	13.393810	3.0033046	2.4523
41.....	5,561.5826	68,442.129	1,084.0601	11.3062	96.....	2.8080531	9.5141814	2.1855370	2.3882
42.....	5,164.5792	62,880.546	1,050.8985	11.1753	97.....	2.0135578	6.7061282	1.5747461	2.3305
43.....	4,793.5500	57,715.967	1,017.7390	11.0403	98.....	1.4312444	4.6925704	1.1241608	2.2787
44.....	4,446.6672	52,922.417	984.45296	10.9016	99.....	1.0090541	3.2613260	.7956032	2.2321
45.....	4,122.2268	48,475.750	950.91595	10.7596	100....	.7060078	2.2522719	.585698	2.1902
46.....	3,818.7615	44,353.523	917.12910	10.6146	101....	.4904973	1.5462641	.3892467	2.1524
47.....	3,534.9597	40,534.761	883.15283	10.4668	102....	.3385531	1.0557669	.2693912	2.1185
48.....	3,269.4744	36,999.802	848.92649	10.3167	103....	.2322728	.7172138	.1852592	2.0878
49.....	3,021.1165	33,730.327	814.45951	10.1649	104....	.1584751	.4849410	.1266570	2.0600
50.....	2,788.8858	30,709.211	779.87196	10.0113	105....	.1075750	.3264659	.0861244	2.0348
51.....	2,571.9522	27,920.325	745.38882	9.8557	106....	.0726825	.2188909	.0582695	2.0116
52.....	2,369.4651	25,348.373	711.16022	9.6979	107....	.0488983	.1462084	.0392402	1.9900
53.....	2,180.5501	22,978.908	677.25694	9.5381	108....	.0327687	.0973100	.0263096	1.9696
54.....	2,004.3127	20,798.358	643.67239	9.3768	109....	.0218816	.0645413	.0175662	1.9496

TABLE 81.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,297,705.4	3,873.6704	11.9771	55.....	1,103.0860	10,496.187	325.59068	8.5153
1.....	90,684.259	1,197,705.4	1,965.3371	12.2074	56.....	1,001.9187	9,393.1007	306.13346	8.3751
2.....	83,850.193	1,107,021.2	1,848.6231	12.2024	57.....	908.78668	8,391.1820	287.21761	8.2334
3.....	77,560.652	1,023,171.0	1,770.2077	12.1919	58.....	823.17560	7,482.3953	268.92407	8.0897
4.....	71,756.530	945,610.34	1,711.3190	12.1780	59.....	744.57758	6,659.2197	251.30201	7.9436
5.....	66,397.380	873,853.81	1,667.4678	12.1610	60.....	672.47076	5,914.6421	234.34909	7.7954
6.....	61,443.398	807,456.43	1,631.8099	12.1415	61.....	606.35069	5,242.1714	218.04167	7.6454
7.....	56,863.020	746,013.04	1,602.7950	12.1195	62.....	545.74931	4,635.8207	202.35515	7.4944
8.....	52,627.252	689,150.02	1,579.1021	12.0949	63.....	490.25974	4,090.0714	187.29146	7.3427
9.....	48,709.932	636,522.77	1,560.0978	12.0676	64.....	439.54510	3,599.8116	172.89235	7.1899
10.....	45,086.455	587,812.83	1,544.7632	12.0375	65.....	393.30739	3,160.2665	159.21355	7.0351
11.....	41,734.193	542,726.38	1,532.2392	12.0044	66.....	351.26356	2,766.9592	146.30359	6.8772
12.....	38,630.792	500,992.19	1,520.2599	11.9687	67.....	313.10268	2,415.6956	134.16223	6.7153
13.....	35,755.302	462,361.39	1,506.3099	11.9313	68.....	278.49903	2,102.5929	122.75138	6.5497
14.....	33,088.552	426,606.09	1,488.1012	11.8929	69.....	247.11374	1,824.0939	111.99565	6.3816
15.....	30,614.264	393,517.54	1,464.8167	11.8541	70.....	218.63846	1,576.9801	101.82508	6.2127
16.....	28,318.761	362,903.27	1,437.0370	11.8149	71.....	192.81888	1,358.3417	92.200943	6.0447
17.....	26,189.872	334,584.51	1,405.8340	11.7753	72.....	169.45923	1,165.5228	83.124173	5.8779
18.....	24,215.932	308,394.64	1,371.8841	11.7352	73.....	148.40078	996.06358	74.618262	5.7120
19.....	22,385.835	284,178.71	1,335.5602	11.6946	74.....	129.51815	847.66280	66.728287	5.5447
20.....	20,689.072	261,792.87	1,297.0068	11.6537	75.....	112.67360	718.14465	59.477669	5.3737
21.....	19,115.936	241,103.80	1,256.3950	11.6127	76.....	97.696356	605.47105	52.846619	5.1975
22.....	17,657.638	221,987.87	1,214.0921	11.5718	77.....	84.399701	507.77469	46.786731	5.0163
23.....	16,306.829	204,330.23	1,171.2560	11.5303	78.....	72.612658	423.37499	41.251517	4.8306
24.....	15,056.789	188,023.40	1,129.1300	11.4876	79.....	62.165848	350.76233	36.183423	4.6424
25.....	13,900.902	172,966.61	1,088.5603	11.4428	80.....	52.905439	288.59649	31.527891	4.4549
26.....	12,832.334	159,065.71	1,049.6893	11.3957	81.....	44.689420	235.69105	27.230794	4.2740
27.....	11,844.482	146,233.38	1,012.3805	11.3461	82.....	37.415803	191.00163	23.267505	4.1048
28.....	10,931.470	134,388.89	976.73735	11.2938	83.....	31.029826	153.58582	19.653069	3.9496
29.....	10,087.824	123,457.42	942.82955	11.2383	84.....	25.516286	122.55600	16.438034	3.8030
30.....	9,308.2592	113,369.60	910.51115	11.1795	85.....	20.842789	97.039711	13.654632	3.6558
31.....	8,588.0758	104,061.34	879.82837	11.1170	86.....	16.904660	76.196922	11.260414	3.5075
32.....	7,922.7385	95,473.264	850.64481	11.0505	87.....	13.593538	59.292262	9.2014886	3.3618
33.....	7,308.0660	87,550.525	822.84187	10.9800	88.....	10.831407	45.698724	7.4462859	3.2191
34.....	6,739.9992	80,242.459	796.11329	10.9054	89.....	8.5442748	34.867318	5.9614806	3.0808
35.....	6,214.9657	73,502.460	770.33904	10.8267	90.....	6.6669869	26.323043	4.7171019	2.9483
36.....	5,729.5079	67,287.494	745.24899	10.7440	91.....	5.1470990	19.656056	3.6910650	2.8189
37.....	5,280.6434	61,557.986	720.79248	10.6573	92.....	3.9305250	14.508957	2.8557575	2.6914
38.....	4,865.4772	56,277.343	696.78511	10.5667	93.....	2.9624876	10.578432	2.1788702	2.5708
39.....	4,481.5100	51,411.866	673.22359	10.4720	94.....	2.1981110	7.6159443	1.6339370	2.4648
40.....	4,126.4333	46,930.356	650.11061	10.3731	95.....	1.6032167	5.4178333	1.2018658	2.3794
41.....	3,798.0380	42,803.923	627.37702	10.2700	96.....	1.1496548	3.8146167	.8670607	2.3181
42.....	3,494.2653	39,005.885	604.94047	10.1628	97.....	.8167446	2.6649619	.6193101	2.2629
43.....	3,213.2034	35,511.619	582.71306	10.0518	98.....	.5751697	1.8482173	.4382348	2.2133
44.....	2,953.0827	32,298.416	560.60741	9.9372	99.....	.4017507	1.2730476	.3074210	2.1688
45.....	2,712.2697	29,345.333	538.54132	9.8195	100....	.2784913	.8712969	.2139209	2.1286
46.....	2,489.3362	26,633.063	516.51668	9.6989	101....	.1916897	.5928056	.1477483	2.0925
47.....	2,282.9979	24,143.727	494.57364	9.5754	102....	.1310838	.4011159	.1013416	2.0600
48.....	2,091.9871	21,860.729	472.67378	9.4497	103....	.0891006	.2700320	.0690683	2.0306
49.....	1,915.1754	19,768.742	450.82413	9.3222	104....	.0602287	.1809314	.0467964	2.0041
50.....	1,751.5875	17,853.567	429.10108	9.1928	105....	.0405055	.1207028	.0315346	1.9799
51.....	1,600.3834	16,101.979	407.64413	9.0613	106....	.0271139	.0801973	.0211435	1.9578
52.....	1,460.7351	14,501.596	386.54278	8.9276	107....	.0180724	.0530834	.0141104	1.9373
53.....	1,331.8252	13,040.861	365.83551	8.7917	108....	.0119989	.0350109	.0093756	1.9178
54.....	1,212.8488	11,709.036	345.51284	8.6542	109....	.0079382	.0230120	.0062037	1.8989

**TABLE 8J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,066,381.6	3,056.2197	9.6638	55.....	402.08535	3,365.6456	96.117559	7.3705
1.....	89,035.455	966,381.58	1,182.5833	9.8539	56.....	358.56875	2,963.5603	89.154172	7.2650
2.....	80,828.814	877,346.13	1,070.0749	9.8544	57.....	319.32503	2,604.9916	82.507611	7.1578
3.....	73,406.524	796,517.32	995.85931	9.8508	58.....	283.98446	2,285.6665	76.196588	7.0486
4.....	66,678.483	723,110.79	941.13808	9.8447	59.....	252.19885	2,001.6821	70.227751	6.9369
5.....	60,576.795	656,432.31	901.13099	9.8364	60.....	223.63389	1,749.4832	64.589960	6.8230
6.....	55,037.873	595,855.51	869.19050	9.8263	61.....	197.97902	1,525.8493	59.265440	6.7071
7.....	50,008.913	540,817.64	843.67294	9.8144	62.....	174.95226	1,327.8703	54.236773	6.5899
8.....	45,442.190	490,808.73	823.21475	9.8007	63.....	154.30630	1,152.9180	49.495567	6.4716
9.....	41,294.970	445,366.54	807.10343	9.7850	64.....	135.82882	998.61175	45.045935	6.3520
10.....	37,528.118	404,071.57	794.33953	9.7672	65.....	119.33056	862.78292	40.895747	6.2302
11.....	34,106.236	366,543.45	784.10459	9.7471	66.....	104.63663	743.45236	37.050048	6.1051
12.....	30,996.058	332,437.21	774.49283	9.7251	67.....	91.573222	638.81573	33.499061	5.9760
13.....	28,167.245	301,441.15	763.50332	9.7018	68.....	79.971727	547.24251	30.222405	5.8429
14.....	25,592.502	273,273.91	749.41970	9.6779	69.....	69.669188	467.27078	27.190022	5.7070
15.....	23,248.229	247,681.41	731.73760	9.6538	70.....	60.520357	397.60159	24.374754	5.5697
16.....	21,114.042	224,433.18	711.02555	9.6296	71.....	52.402926	337.08124	21.759174	5.4325
17.....	19,171.742	203,319.14	688.18399	9.6051	72.....	45.217056	284.67831	19.337206	5.2958
18.....	17,404.456	184,147.39	663.78359	9.5805	73.....	38.878036	239.46126	17.108827	5.1593
19.....	15,796.601	166,742.94	638.15158	9.5556	74.....	33.314235	200.58322	15.079394	5.0209
20.....	14,333.835	150,946.34	611.44096	9.5308	75.....	28.454597	167.26898	13.248322	4.8785
21.....	13,003.134	136,612.50	583.81575	9.5061	76.....	24.223657	138.81439	11.604164	4.7305
22.....	11,792.779	123,609.37	555.56349	9.4818	77.....	20.546286	114.59073	10.128943	4.5772
23.....	10,692.620	111,816.59	527.47523	9.4574	78.....	17.355448	94.044445	8.8059494	4.4187
24.....	9,693.4430	101,123.97	500.35486	9.4322	79.....	14.588358	76.688997	7.6166279	4.2569
25.....	8,786.5774	91,430.527	474.71130	9.4057	80.....	12.189502	62.100639	6.5439857	4.0946
26.....	7,963.6745	82,643.950	450.58815	9.3776	81.....	10.109308	49.911138	5.5719284	3.9371
27.....	7,216.9714	74,680.275	427.85548	9.3479	82.....	8.3100347	39.801830	4.6916834	3.7896
28.....	6,539.5602	67,463.304	406.53261	9.3162	83.....	6.7664080	31.491795	3.9035144	3.6541
29.....	5,925.1388	60,923.743	386.61667	9.2822	84.....	5.4629518	24.725387	3.2151861	3.5260
30.....	5,367.8526	54,998.605	367.97942	9.2459	85.....	4.3812377	19.262435	2.6301040	3.3966
31.....	4,862.4937	49,630.752	350.60710	9.2069	86.....	3.4888194	14.881198	2.1359800	3.2654
32.....	4,404.2257	44,768.258	334.38405	9.1648	87.....	2.7544546	11.392378	1.7187807	3.1360
33.....	3,988.6670	40,364.033	319.20949	9.1197	88.....	2.1548599	8.6379236	1.3695910	3.0086
34.....	3,611.7380	36,375.366	304.88655	9.0714	89.....	1.6689390	6.4830637	1.0795664	2.8845
35.....	3,269.8377	32,763.628	291.32611	9.0200	90.....	1.2785742	4.8141247	.8409233	2.7652
36.....	2,959.6193	29,493.790	278.36567	8.9654	91.....	.9691476	3.5355505	.6477307	2.6481
37.....	2,678.1595	26,534.171	265.96217	8.9076	92.....	.7266228	2.5664029	.4933103	2.5320
38.....	2,422.7361	23,856.011	254.00784	8.8467	93.....	.5377075	1.8397801	.3704516	2.4215
39.....	2,190.9684	21,433.275	242.48883	8.7826	94.....	.3917150	1.3020726	.2733416	2.3240
40.....	1,980.6952	19,242.307	231.39456	8.7149	95.....	.2805071	.9103576	.1977442	2.2454
41.....	1,789.9182	17,261.611	220.68080	8.6438	96.....	.1974923	.6298505	.1402300	2.1892
42.....	1,616.8169	15,471.693	210.29928	8.5692	97.....	.1377527	.4323581	.0984442	2.1387
43.....	1,459.7357	13,854.876	200.20152	8.4914	98.....	.0952447	.2946054	.0684592	2.0931
44.....	1,317.1726	12,395.141	190.34167	8.4104	99.....	.0653180	.1993607	.0471911	2.0522
45.....	1,187.7664	11,077.968	180.67841	8.3267	100....	.0444548	.1340428	.0322659	2.0153
46.....	1,070.3179	9,890.2016	171.20868	8.2404	101....	.0300426	.0895880	.0218950	1.9820
47.....	963.75317	8,819.8837	161.94556	8.1516	102....	.0201706	.0595454	.0147542	1.9521
48.....	867.06245	7,856.1305	152.86876	8.0606	103....	.0134611	.0393748	.0098784	1.9251
49.....	779.34726	6,989.0681	143.97743	7.9678	104....	.0089338	.0259137	.0065748	1.9006
50.....	699.81841	6,209.7208	135.29833	7.8733	105....	.0058990	.0169800	.0043521	1.8785
51.....	627.78165	5,509.9024	126.88143	7.7768	106....	.0038769	.0110810	.0028664	1.8582
52.....	562.58367	4,882.1208	118.75451	7.6780	107....	.0025371	.0072041	.0018790	1.8395
53.....	503.60956	4,319.5371	110.92436	7.5772	108....	.0016539	.0046670	.0012264	1.8219
54.....	450.28188	3,815.9275	103.37938	7.4745	109....	.0010743	.0030131	.0007971	1.8048



TABLE 8K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
MALES OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	908,592.32	2,650.8232	8.0859	55.....	149.25356	1,116.1487	29.666191	6.4782
1.....	87,445.536	808,592.32	810.64467	8.2468	56.....	130.72346	966.89518	27.127548	6.3965
2.....	77,967.845	721,146.78	702.11852	8.2493	57.....	114.33751	836.17172	24.747680	6.3132
3.....	69,543.837	643,178.94	631.80823	8.2485	58.....	99.867688	721.83421	22.528308	6.2279
4.....	62,041.796	573,635.10	580.89220	8.2459	59.....	87.106024	621.96652	20.466753	6.1403
5.....	55,357.900	511,593.30	544.33186	8.2416	60.....	75.860792	534.86050	18.554309	6.0506
6.....	49,398.029	456,235.40	515.66437	8.2359	61.....	65.958926	458.99971	16.780386	5.9589
7.....	44,082.889	406,837.37	493.17063	8.2289	62.....	57.246459	393.04078	15.134946	5.8658
8.....	39,342.011	362,754.48	475.45875	8.2205	63.....	49.589234	335.79432	13.611271	5.7715
9.....	35,113.096	323,412.47	461.75930	8.2106	64.....	42.871664	286.20509	12.206833	5.6759
10.....	31,340.319	288,299.38	451.09997	8.1990	65.....	36.991739	243.33342	10.920300	5.5780
11.....	27,974.033	256,959.06	442.70524	8.1856	66.....	31.857483	206.34169	9.7494454	5.4770
12.....	24,969.072	228,985.03	434.96243	8.1707	67.....	27.382360	174.48420	8.6876241	5.3721
13.....	22,285.120	204,015.95	426.26784	8.1548	68.....	23.486242	147.10184	7.7253297	5.2633
14.....	19,886.485	181,730.83	415.32426	8.1384	69.....	20.095206	123.61560	6.8506769	5.1515
15.....	17,742.296	161,844.35	401.82986	8.1220	70.....	17.144620	103.52039	6.0531484	5.0381
16.....	15,825.811	144,102.05	386.30535	8.1055	71.....	14.579968	86.375774	5.3254206	4.9243
17.....	14,113.373	128,276.24	369.49042	8.0890	72.....	12.356002	71.795806	4.6635941	4.8106
18.....	12,583.585	114,162.87	351.84871	8.0724	73.....	10.434092	59.439804	4.0655416	4.6967
19.....	11,217.142	101,579.28	333.64745	8.0557	74.....	8.7812203	49.005712	3.5306080	4.5807
20.....	9,996.6770	90,362.142	315.01898	8.0392	75.....	7.3663462	40.224491	3.0565789	4.4606
21.....	8,906.6822	80,365.465	296.09670	8.0231	76.....	6.1590547	32.858145	2.6385388	4.3349
22.....	7,933.3886	71,458.782	277.09048	8.0073	77.....	5.1307675	26.699090	2.2701503	4.2037
23.....	7,064.8242	63,525.394	258.53201	7.9918	78.....	4.2565672	21.568323	1.9456751	4.0671
24.....	6,290.2798	56,460.570	240.93303	7.9758	79.....	3.5140242	17.311756	1.6591929	3.9265
25.....	5,599.9777	50,170.290	224.58954	7.9590	80.....	2.8837589	13.797732	1.4054302	3.7846
26.....	4,984.8802	44,570.312	209.48960	7.9411	81.....	2.3489246	10.913973	1.1795700	3.6464
27.....	4,436.8104	39,585.432	195.51413	7.9220	82.....	1.8963791	8.5650480	.9786950	3.5165
28.....	3,948.5632	35,148.622	182.63946	7.9016	83.....	1.5165445	6.6686689	.8020439	3.3973
29.....	3,513.6924	31,200.058	170.82902	7.8796	84.....	1.2025386	5.1521244	.6505249	3.2844
30.....	3,126.3706	27,686.366	159.97422	7.8558	85.....	.9472031	3.9495858	.5240329	3.1697
31.....	2,781.4649	24,559.995	150.03683	7.8299	86.....	.7407974	3.0023827	.4191132	3.0529
32.....	2,474.3365	21,778.530	140.92257	7.8018	87.....	.5744223	2.2615853	.3321092	2.9371
33.....	2,200.8561	19,304.194	132.54959	7.7712	88.....	.4413563	1.6871630	.2605885	2.8227
34.....	1,957.2881	17,103.338	124.78764	7.7383	89.....	.3357263	1.2458067	.2022467	2.7108
35.....	1,740.3612	15,146.050	117.57014	7.7028	90.....	.2526071	.9100803	.1550981	2.6028
36.....	1,547.1189	13,405.689	110.79516	7.6649	91.....	.1880547	.6574732	.1176108	2.4962
37.....	1,374.9881	11,858.570	104.42711	7.6245	92.....	.1384771	.4694185	.0881819	2.3899
38.....	1,221.6401	10,483.581	98.399261	7.5816	93.....	.1006444	.3309414	.0651861	2.2882
39.....	1,085.0455	9,261.9413	92.694638	7.5360	94.....	.0720093	.2302970	.0473343	2.1982
40.....	963.39446	8,176.8958	87.298474	7.4876	95.....	.0506450	.1582877	.0336853	2.1254
41.....	855.05559	7,213.5014	82.180441	7.4363	96.....	.0350201	.1076427	.0234866	2.0737
42.....	758.57173	6,358.4458	77.309678	7.3821	97.....	.0239907	.0726226	.0162093	2.0271
43.....	672.64316	5,599.8741	72.656653	7.3252	98.....	.0162914	.0486319	.0110805	1.9851
44.....	596.11198	4,927.2309	68.194386	7.2656	99.....	.0109730	.0323405	.0075076	1.9473
45.....	527.94764	4,331.1189	63.899187	7.2037	100....	.0073347	.0213675	.0050450	1.9132
46.....	467.24780	3,803.1713	59.765168	7.1395	101....	.0048683	.0140328	.0033644	1.8825
47.....	413.21393	3,335.9235	55.793562	7.0731	102....	.0032102	.0091645	.0022279	1.8548
48.....	365.11878	2,922.7095	51.971333	7.0048	103....	.0021041	.0059543	.0014658	1.8298
49.....	322.32165	2,557.5908	48.294065	6.9349	104....	.0013715	.0038502	.0009586	1.8072
50.....	284.26179	2,235.2691	44.768672	6.8634	105....	.0008894	.0024786	.0006235	1.7868
51.....	250.44733	1,951.0073	41.410830	6.7901	106....	.0005741	.0015892	.0004035	1.7681
52.....	220.42943	1,700.5600	38.226571	6.7148	107....	.0003690	.0010151	.0002599	1.7509
53.....	193.79880	1,480.1306	35.213379	6.6375	108....	.0002362	.0006461	.0001667	1.7348
54.....	170.18303	1,286.3318	32.361768	6.5585	109....	.0001507	.0004098	.0001064	1.7194

**TABLE 9A.—ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	5,187,592.9	48,637.250	50.8759	55	50,302.467	1,098,016.2	39,430.576	20.8283
1	97,288.119	5,087,592.9	46,915.468	51.2941	56	49,305.881	1,047,713.7	38,932.034	20.2493
2	96,209.280	4,990,304.8	46,799.878	50.8693	57	48,290.961	998,407.82	38,405.291	19.6748
3	95,180.508	4,894,095.5	46,723.673	50.4191	58	47,257.726	950,116.86	37,850.184	19.1050
4	94,178.756	4,798,915.0	46,664.303	49.9554	59	46,206.358	902,859.13	37,266.715	18.5397
5	93,203.400	4,704,736.2	46,621.409	49.4782	60	45,135.835	856,652.77	36,653.680	17.9794
6	92,242.759	4,611,532.8	46,583.574	48.9934	61	44,044.977	811,516.94	36,009.712	17.4247
7	91,298.413	4,519,290.1	46,552.522	48.5002	62	42,932.079	767,471.96	35,332.902	16.8764
8	90,368.254	4,427,991.7	46,526.308	47.9994	63	41,797.992	724,539.88	34,623.886	16.3343
9	89,450.255	4,337,623.4	46,503.045	47.4920	64	40,645.443	682,741.89	33,885.179	15.7975
10	88,543.354	4,248,173.2	46,481.789	46.9785	65	39,479.201	642,096.45	33,121.366	15.2642
11	87,646.523	4,159,629.8	46,461.626	46.4592	66	38,303.815	602,617.25	32,336.864	14.7326
12	86,757.909	4,071,983.3	46,440.799	45.9350	67	37,120.568	564,313.43	31,532.863	14.2022
13	85,876.586	3,985,225.4	46,418.465	45.4064	68	35,924.992	527,192.86	30,704.817	13.6748
14	84,999.965	3,899,348.8	46,392.107	44.8747	69	34,707.811	491,267.87	29,843.328	13.1544
15	84,128.084	3,814,348.8	46,361.810	44.3398	70	33,460.048	456,560.06	28,939.207	12.6449
16	83,259.316	3,730,220.7	46,325.993	43.8024	71	32,176.308	423,100.01	27,986.755	12.1494
17	82,394.573	3,646,961.4	46,285.600	43.2622	72	30,858.035	390,923.71	26,987.060	11.6685
18	81,533.917	3,564,566.8	46,240.732	42.7188	73	29,511.281	360,065.67	25,945.830	11.2010
19	80,678.214	3,483,032.9	46,192.296	42.1719	74	28,149.963	330,554.39	24,876.704	10.7426
20	79,826.700	3,402,354.7	46,139.575	41.6218	75	26,787.616	302,404.43	23,793.069	10.2890
21	78,979.430	3,322,528.0	46,082.669	41.0683	76	25,431.261	275,616.81	22,701.938	9.8377
22	78,136.462	3,243,548.6	46,021.675	40.5113	77	24,080.886	250,185.55	21,603.358	9.3894
23	77,297.849	3,165,412.1	45,956.691	39.9508	78	22,734.264	226,104.66	20,495.160	8.9455
24	76,463.644	3,088,114.3	45,887.811	39.3867	79	21,383.489	203,370.40	19,369.477	8.5106
25	75,633.900	3,011,650.6	45,815.133	38.8188	80	20,019.603	181,986.91	18,217.309	8.0904
26	74,808.667	2,936,016.7	45,738.750	38.2470	81	18,633.692	161,967.31	17,029.611	7.6922
27	73,987.253	2,861,208.1	45,658.016	37.6716	82	17,226.756	143,333.61	15,807.167	7.3204
28	73,170.463	2,787,220.8	45,573.773	37.0922	83	15,814.674	126,106.86	14,565.647	6.9740
29	72,358.343	2,714,050.4	45,486.114	36.5085	84	14,431.438	110,292.18	13,338.992	6.6425
30	71,550.939	2,641,692.0	45,395.128	35.9204	85	13,109.604	95,860.747	12,160.044	6.3123
31	70,748.293	2,570,141.1	45,300.908	35.3280	86	11,852.509	82,751.143	11,032.747	5.9817
32	69,949.748	2,499,392.8	45,202.841	34.7313	87	10,651.064	70,898.634	9,948.6535	5.6565
33	69,154.675	2,429,443.0	45,100.340	34.1306	88	9,503.5964	60,247.570	8,906.6420	5.3394
34	68,361.108	2,360,288.4	44,991.473	33.5268	89	8,407.2013	50,743.974	7,904.3419	5.0358
35	67,567.849	2,291,927.2	44,875.056	32.9204	90	7,362.7938	42,336.772	6,943.1740	4.7501
36	66,773.759	2,224,359.4	44,749.955	32.3119	91	6,377.6374	34,973.978	6,030.9166	4.4838
37	65,977.102	2,157,585.6	44,614.424	31.7020	92	5,460.2048	28,596.341	5,176.6289	4.2372
38	65,177.538	2,091,608.5	44,468.099	31.0909	93	4,615.5490	23,136.136	4,386.0345	4.0127
39	64,374.112	2,026,431.0	44,309.995	30.4790	94	3,848.2254	18,520.587	3,664.4094	3.8128
40	63,567.205	1,962,056.9	44,140.455	29.8659	95	3,161.7934	14,672.362	3,016.0787	3.6405
41	62,755.307	1,898,489.7	43,957.935	29.2523	96	2,558.2665	11,510.568	2,443.8567	3.4994
42	61,937.624	1,835,734.4	43,761.592	28.6384	97	2,047.3731	8,952.3018	1,958.2926	3.3726
43	61,112.811	1,773,796.8	43,550.023	28.0250	98	1,621.2357	6,904.9287	1,552.4262	3.2591
44	60,279.014	1,712,683.9	43,321.304	27.4126	99	1,270.9043	5,283.6930	1,218.1467	3.1574
45	59,435.705	1,652,404.9	43,074.816	26.8016	100	986.81317	4,012.7886	946.63874	3.0664
46	58,581.832	1,592,969.2	42,809.415	26.1922	101	759.36739	3,025.9755	728.96339	2.9849
47	57,716.445	1,534,387.4	42,524.046	25.5849	102	579.44995	2,266.6081	556.56443	2.9117
48	56,838.126	1,476,670.9	42,217.178	24.9803	103	438.69525	1,687.1581	421.54686	2.8459
49	55,946.161	1,419,832.8	41,887.967	24.3786	104	329.71205	1,248.4629	316.90718	2.7865
50	55,039.944	1,363,886.7	41,535.672	23.7799	105	246.12515	918.75081	236.58476	2.7329
51	54,120.069	1,308,846.7	41,160.747	23.1841	106	182.57856	672.62566	175.47505	2.6840
52	53,187.703	1,254,726.6	40,764.223	22.5905	107	134.65621	490.04710	129.36040	2.6392
53	52,241.910	1,201,538.9	40,345.041	21.9995	108	98.782995	355.39089	94.820420	2.5977
54	51,280.866	1,149,297.0	39,901.243	21.4118	109	72.112564	256.60789	69.128039	2.5584

**TABLE 9B.—ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,424,078.4	34,619.290	43.2408	55.....	38,338.271	782,963.61	26,767.140	19.4225
1.....	96,808.867	4,324,078.4	32,905.990	43.6661	56.....	37,393.601	744,625.34	26,389.045	18.9132
2.....	95,263.740	4,227,269.5	32,791.536	43.3744	57.....	36,443.472	707,231.73	25,991.531	18.4063
3.....	93,780.817	4,132,005.8	32,716.451	43.0602	58.....	35,488.043	670,788.26	25,574.675	17.9018
4.....	92,336.685	4,038,225.0	32,658.242	42.7337	59.....	34,527.593	635,300.22	25,138.679	17.3998
5.....	90,930.256	3,945,888.3	32,616.395	42.3947	60.....	33,561.500	600,772.63	24,682.847	16.9006
6.....	89,549.729	3,854,958.0	32,579.665	42.0482	61.....	32,589.044	567,211.13	24,206.373	16.4050
7.....	88,196.337	3,765,408.3	32,549.668	41.6935	62.....	31,609.125	534,622.08	23,708.065	15.9135
8.....	86,867.744	3,677,212.0	32,524.469	41.3312	63.....	30,622.546	503,012.96	23,188.617	15.4262
9.....	85,561.732	3,590,344.2	32,502.217	40.9620	64.....	29,631.462	472,390.41	22,650.082	14.9422
10.....	84,277.042	3,504,782.5	32,481.986	40.5864	65.....	28,639.465	442,758.95	22,095.989	14.4597
11.....	83,012.471	3,420,505.5	32,462.888	40.2047	66.....	27,649.922	414,119.48	21,529.689	13.9772
12.....	81,766.057	3,337,493.0	32,443.260	39.8176	67.....	26,663.787	386,469.56	20,952.173	13.4942
13.....	80,536.747	3,255,726.9	32,422.315	39.4254	68.....	25,677.883	359,805.78	20,360.316	13.0123
14.....	79,321.951	3,175,190.2	32,397.717	39.0291	69.....	24,685.680	334,127.89	19,747.589	12.5353
15.....	78,121.572	3,095,868.2	32,369.584	38.6289	70.....	23,680.985	309,442.21	19,107.707	12.0671
16.....	76,933.970	3,017,746.7	32,336.488	38.2252	71.....	22,660.253	285,761.23	18,436.940	11.6107
17.....	75,759.874	2,940,812.7	32,299.347	37.8175	72.....	21,624.802	263,100.97	17,736.370	11.1666
18.....	74,599.218	2,865,052.8	32,258.295	37.4059	73.....	20,579.142	241,476.17	17,010.288	10.7340
19.....	73,452.668	2,790,453.6	32,214.197	36.9898	74.....	19,533.154	220,897.03	16,268.425	10.3088
20.....	72,319.398	2,717,000.9	32,166.435	36.5695	75.....	18,496.261	201,363.88	15,520.199	9.8867
21.....	71,199.338	2,644,681.5	32,115.134	36.1447	76.....	17,473.226	182,867.62	14,770.508	9.4656
22.....	70,092.417	2,573,482.2	32,060.419	35.7156	77.....	16,463.911	165,394.39	14,019.418	9.0459
23.....	68,998.561	2,503,389.8	32,002.412	35.2818	78.....	15,466.668	148,930.48	13,265.484	8.6291
24.....	67,917.697	2,434,391.2	31,941.231	34.8433	79.....	14,476.039	133,463.81	12,503.427	8.2196
25.....	66,849.749	2,366,473.5	31,876.993	34.3999	80.....	13,485.964	118,987.77	11,727.283	7.8231
26.....	65,794.643	2,299,623.8	31,809.814	33.9515	81.....	12,490.527	105,501.81	10,931.146	7.4465
27.....	64,751.652	2,233,829.1	31,739.158	33.4984	82.....	11,490.546	93,011.282	10,115.755	7.0946
28.....	63,721.367	2,169,077.5	31,665.794	33.0400	83.....	10,496.699	81,520.736	9,291.7186	6.7663
29.....	62,703.709	2,105,356.1	31,589.831	32.5763	84.....	9,531.4164	71,024.037	8,481.5595	6.4516
30.....	61,698.596	2,042,652.4	31,511.374	32.1070	85.....	8,615.7431	61,492.620	7,706.7446	6.1372
31.....	60,705.948	1,980,953.8	31,430.527	33.9515	86.....	7,751.1979	52,876.877	6,969.5256	5.8218
32.....	59,725.083	1,920,247.9	31,346.795	31.1514	87.....	6,931.1746	45,125.679	6,264.0520	5.5105
33.....	58,755.359	1,860,522.8	31,259.708	30.6656	88.....	6,153.9953	38,194.505	5,589.3039	5.2065
34.....	57,795.013	1,801,767.4	31,167.668	30.1751	89.....	5,417.2135	32,040.509	4,943.4679	4.9146
35.....	56,842.961	1,743,972.4	31,069.730	29.6805	90.....	4,720.8748	26,623.296	4,327.1864	4.6395
36.....	55,898.192	1,687,129.4	30,965.004	29.1822	91.....	4,069.0685	21,902.421	3,745.1468	4.3827
37.....	54,959.213	1,631,231.3	30,852.106	28.6808	92.....	3,466.5657	17,833.353	3,202.7780	4.1444
38.....	54,025.718	1,576,272.0	30,730.817	28.1763	93.....	2,915.8770	14,366.787	2,703.3193	3.9271
39.....	53,096.902	1,522,246.3	30,600.410	27.6692	94.....	2,419.1437	11,450.910	2,249.6778	3.7335
40.....	52,173.068	1,469,149.4	30,461.260	27.1592	95.....	1,977.8347	9,031.7661	1,844.1197	3.5665
41.....	51,252.972	1,416,976.4	30,312.194	26.6467	96.....	1,592.4200	7,053.9315	1,487.9341	3.4297
42.....	50,335.973	1,365,723.4	30,152.628	26.1322	97.....	1,268.1311	5,461.5115	1,187.1785	3.3067
43.....	49,420.998	1,315,387.4	29,981.535	25.6160	98.....	999.23733	4,193.3804	937.02559	3.1966
44.....	48,506.588	1,265,966.4	29,797.484	25.0989	99.....	779.45434	3,194.1431	732.00966	3.0979
45.....	47,592.370	1,217,459.8	29,600.113	24.5810	100....	602.23791	2,414.6887	566.31225	3.0095
46.....	46,677.565	1,169,867.5	29,388.643	24.0627	101....	461.14811	1,812.4508	434.12252	2.9303
47.....	45,761.489	1,123,189.9	29,162.384	23.5444	102....	350.15453	1,351.3027	329.94393	2.8592
48.....	44,843.104	1,077,428.4	28,920.276	23.0266	103....	263.79228	1,001.1482	248.75638	2.7952
49.....	43,921.942	1,032,585.3	28,661.821	22.5096	104....	197.28284	737.35589	186.14535	2.7376
50.....	42,997.634	988,663.35	28,386.605	21.9934	105....	146.54325	540.07305	138.32127	2.6854
51.....	42,070.749	945,665.72	28,095.153	21.4780	106....	108.17202	393.52980	102.11570	2.6380
52.....	41,142.291	903,594.97	27,788.431	20.9627	107....	79.386537	285.35779	74.928824	2.5945
53.....	40,211.624	862,452.68	27,465.778	20.4478	108....	57.950608	205.97125	54.666095	2.5543
54.....	39,277.447	822,241.05	27,125.861	19.9342	109....	42.096121	148.02064	39.668021	2.5163

**TABLE 9C.—ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,823,169.3	25,035.764	37.2317	55.....	29,258.725	560,611.03	18,266.221	18.1605
1.....	96,334.314	3,723,169.3	23,330.863	37.6484	56.....	28,397.888	531,352.31	17,979.084	17.7110
2.....	94,332.071	3,626,835.0	23,217.528	37.4475	57.....	27,540.661	502,954.42	17,678.679	17.2622
3.....	92,408.437	3,532,503.0	23,143.542	37.2271	58.....	26,687.171	475,413.76	17,365.201	16.8143
4.....	90,539.431	3,440,094.5	23,086.466	36.9955	59.....	25,837.629	448,726.59	17,038.938	16.3672
5.....	88,723.316	3,349,555.1	23,045.635	36.7528	60.....	24,991.573	422,888.96	16,699.502	15.9213
6.....	86,947.980	3,260,831.8	23,009.972	36.5032	61.....	24,148.475	397,897.39	16,346.435	15.4771
7.....	85,214.135	3,173,883.8	22,980.989	36.2460	62.....	23,307.540	373,748.91	15,978.999	15.0355
8.....	83,519.042	3,088,669.7	22,956.761	35.9816	63.....	22,469.383	350,441.37	15,597.853	14.5964
9.....	81,860.125	3,005,150.6	22,935.472	35.7108	64.....	21,635.592	327,971.99	15,204.638	14.1589
10.....	80,235.763	2,923,290.5	22,916.211	35.4338	65.....	20,808.773	306,336.39	14,802.047	13.7215
11.....	78,644.420	2,843,054.7	22,898.119	35.1507	66.....	19,991.315	285,527.62	14,392.603	13.2826
12.....	77,083.868	2,764,410.3	22,879.614	34.8624	67.....	19,183.823	265,536.31	13,977.098	12.8417
13.....	75,552.771	2,687,326.4	22,859.965	34.5689	68.....	18,383.933	246,352.48	13,553.361	12.4004
14.....	74,048.382	2,611,773.7	22,837.003	34.2712	69.....	17,586.935	227,968.55	13,116.833	11.9624
15.....	72,570.318	2,537,725.3	22,810.868	33.9692	70.....	16,788.454	210,381.62	12,663.193	11.5313
16.....	71,116.778	2,465,155.0	22,780.275	33.6635	71.....	15,986.064	193,593.16	12,189.989	11.1101
17.....	69,688.167	2,394,038.2	22,746.111	33.3536	72.....	15,180.805	177,607.10	11,698.183	10.6995
18.....	68,284.155	2,324,350.0	22,708.534	33.0394	73.....	14,375.925	162,426.29	11,190.965	10.2985
19.....	66,905.083	2,256,065.9	22,668.367	32.7204	74.....	13,578.343	148,050.37	10,675.264	9.9034
20.....	65,549.927	2,189,160.8	22,625.075	32.3968	75.....	12,794.527	134,472.02	10,157.689	9.5101
21.....	64,218.364	2,123,610.9	22,578.805	32.0686	76.....	12,027.608	121,677.50	9,641.6436	9.1165
22.....	62,910.072	2,059,392.5	22,529.697	31.7355	77.....	11,277.297	109,649.89	9,127.1685	8.7231
23.....	61,624.733	1,996,482.4	22,477.888	31.3974	78.....	10,542.283	98,372.593	8,613.2776	8.3312
24.....	60,362.030	1,934,857.7	22,423.514	31.0542	79.....	9,818.6894	87,830.310	8,096.3957	7.9452
25.....	59,121.650	1,874,495.7	22,366.702	30.7057	80.....	9,102.3101	78,011.620	7,572.5397	7.5705
26.....	57,903.280	1,815,374.0	22,307.581	30.3518	81.....	8,389.1174	68,909.310	7,037.8236	7.2141
27.....	56,706.045	1,757,470.7	22,245.704	29.9927	82.....	7,679.6612	60,520.193	6,492.8600	6.8806
28.....	55,530.228	1,700,764.7	22,181.770	29.6277	83.....	6,981.0379	52,840.532	5,944.8183	6.5692
29.....	54,375.526	1,645,234.5	22,115.896	29.2569	84.....	6,307.9838	45,859.494	5,408.6472	6.2701
30.....	53,241.636	1,590,858.9	22,048.193	28.8800	85.....	5,674.0314	39,551.510	4,898.3808	5.9706
31.....	52,128.260	1,537,617.3	21,978.770	28.4968	86.....	5,079.6488	33,877.479	4,415.2537	5.6693
32.....	51,034.589	1,485,489.0	21,907.222	28.1075	87.....	4,519.9910	28,797.830	3,955.1969	5.3712
33.....	49,959.860	1,434,454.4	21,833.172	27.7121	88.....	3,993.5007	24,277.839	3,517.3338	5.0793
34.....	48,902.376	1,384,494.6	21,755.293	27.3114	89.....	3,498.1500	20,284.338	3,100.2871	4.7986
35.....	47,861.043	1,335,592.2	21,672.830	26.9056	90.....	3,033.5477	16,786.188	2,704.2759	4.5335
36.....	46,834.846	1,287,731.2	21,585.085	26.4952	91.....	2,601.8917	13,752.640	2,332.1012	4.2856
37.....	45,822.387	1,240,896.3	21,490.956	26.0806	92.....	2,205.7664	11,150.749	1,986.9935	4.0553
38.....	44,823.279	1,195,073.9	21,390.327	25.6619	93.....	1,846.2697	8,944.9824	1,670.7471	3.8449
39.....	43,836.728	1,150,250.6	21,282.663	25.2394	94.....	1,524.2405	7,098.7126	1,384.9192	3.6572
40.....	42,862.865	1,106,413.9	21,168.344	24.8129	95.....	1,240.0742	5,574.4721	1,130.6400	3.4953
41.....	41,900.552	1,063,551.1	21,046.479	24.3827	96.....	993.53046	4,334.3979	908.41144	3.3626
42.....	40,949.163	1,021,650.5	20,916.669	23.9492	97.....	787.32418	3,340.8675	721.68616	3.2433
43.....	40,007.733	980,701.34	20,778.164	23.5128	98.....	617.33935	2,553.5433	567.13905	3.1364
44.....	39,075.004	940,693.61	20,629.900	23.0740	99.....	479.19454	1,936.2039	441.09894	3.0405
45.....	38,150.612	901,618.60	20,471.685	22.6331	100....	368.43013	1,457.0094	339.73050	2.9546
46.....	37,233.875	863,467.99	20,302.999	22.1904	101....	280.73292	1,088.5793	259.25741	2.8776
47.....	36,324.201	826,234.11	20,123.401	21.7461	102....	212.11849	807.84633	196.14755	2.8085
48.....	35,420.725	789,909.91	19,932.165	21.3008	103....	159.01816	595.72784	147.20641	2.7463
49.....	34,523.053	754,489.19	19,729.016	20.8546	104....	118.34225	436.70967	109.64850	2.6902
50.....	33,630.869	719,966.14	19,513.755	20.4079	105....	87.474649	318.36742	81.101333	2.6395
51.....	32,744.596	686,335.27	19,286.911	19.9603	106....	64.253560	230.89277	59.595433	2.5935
52.....	31,864.987	653,590.67	19,049.353	19.5112	107....	46.923997	166.63921	43.525743	2.5513
53.....	30,991.511	621,725.68	18,800.681	19.0612	108....	34.085683	119.71521	31.607508	2.5122
54.....	30,123.141	590,734.17	18,539.987	18.6106	109....	24.638936	85.629529	22.829108	2.4754

**TABLE 9D.—ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,958,170.1	13,839.665	28.5817	55.....	17,108.719	290,814.93	8,638.3419	15.9981
1.....	95,399.029	2,858,170.1	12,151.316	28.9602	56.....	16,444.136	273,706.22	8,472.0717	15.6446
2.....	92,509.272	2,762,771.1	12,040.171	28.8648	57.....	15,792.917	257,262.08	8,299.8074	15.2897
3.....	89,742.975	2,670,261.8	11,968.320	28.7545	58.....	15,154.914	241,469.16	8,121.7921	14.9334
4.....	87,074.211	2,580,518.9	11,913.428	28.6359	59.....	14,530.031	226,314.25	7,938.3146	14.5756
5.....	84,499.181	2,493,444.7	11,874.541	28.5085	60.....	13,917.795	211,784.22	7,749.2832	14.2168
6.....	82,004.405	2,408,945.5	11,840.905	28.3758	61.....	13,317.708	197,866.42	7,554.5692	13.8574
7.....	79,588.857	2,326,941.1	11,813.836	28.2370	62.....	12,729.143	184,548.72	7,353.8985	13.4981
8.....	77,248.327	2,247,352.2	11,791.427	28.0926	63.....	12,152.253	171,819.57	7,147.7605	13.1389
9.....	74,978.876	2,170,103.9	11,771.928	27.9429	64.....	11,587.704	159,667.32	6,937.1608	12.7790
10.....	72,777.554	2,095,125.0	11,754.457	27.7881	65.....	11,036.670	148,079.62	6,723.6320	12.4171
11.....	70,641.569	2,022,347.5	11,738.206	27.6283	66.....	10,500.159	137,042.95	6,508.5777	12.0515
12.....	68,567.587	1,951,705.9	11,721.745	27.4640	67.....	9,978.2092	126,542.79	6,292.4579	11.6819
13.....	66,553.164	1,883,138.3	11,704.437	27.2952	68.....	9,469.3205	116,564.58	6,074.1967	11.3097
14.....	64,594.692	1,816,585.1	11,684.407	27.1228	69.....	8,970.8481	107,095.26	5,851.5298	10.9381
15.....	62,690.717	1,751,990.4	11,661.830	26.9466	70.....	8,480.4127	98,124.409	5,622.3812	10.5707
16.....	60,838.602	1,689,299.7	11,635.658	26.7669	71.....	7,996.6999	89,643.997	5,385.6707	10.2101
17.....	59,037.661	1,628,461.1	11,606.715	26.5834	72.....	7,520.1587	81,647.297	5,142.0430	9.8571
18.....	57,286.592	1,569,423.5	11,575.190	26.3960	73.....	7,052.3026	74,127.138	4,893.2207	9.5111
19.....	55,584.680	1,512,136.9	11,541.819	26.2042	74.....	6,596.3678	67,074.835	4,642.6928	9.1684
20.....	53,930.091	1,456,552.2	11,506.202	26.0082	75.....	6,155.2437	60,478.468	4,393.6959	8.8255
21.....	52,321.613	1,402,622.1	11,468.503	25.8077	76.....	5,730.1136	54,323.224	4,147.8447	8.4803
22.....	50,758.061	1,350,300.5	11,428.881	25.6027	77.....	5,320.4939	48,593.110	3,905.1216	8.1332
23.....	49,238.276	1,299,542.4	11,387.486	25.3929	78.....	4,925.4343	43,272.616	3,665.0278	7.7855
24.....	47,761.127	1,250,304.2	11,344.463	25.1783	79.....	4,542.8285	38,347.182	3,425.8813	7.4413
25.....	46,325.511	1,202,543.0	11,299.947	24.9585	80.....	4,170.4930	33,804.354	3,185.8611	7.1056
26.....	44,930.349	1,156,217.5	11,254.072	24.7336	81.....	3,806.4049	29,633.861	2,943.2437	6.7853
27.....	43,574.150	1,111,287.2	11,206.524	24.5034	82.....	3,450.6723	25,827.456	2,698.3773	6.4848
28.....	42,256.349	1,067,713.0	11,157.873	24.2675	83.....	3,106.3086	22,376.783	2,454.5186	6.2037
29.....	40,975.941	1,025,456.7	11,108.232	24.0258	84.....	2,779.5732	19,270.475	2,218.2582	5.9329
30.....	39,731.943	984,480.72	11,057.708	23.7781	85.....	2,475.9521	16,490.902	1,995.5955	5.6604
31.....	38,523.398	944,748.78	11,006.404	23.5240	86.....	2,195.0637	14,014.950	1,786.8223	5.3848
32.....	37,348.995	906,225.38	10,954.042	23.2637	87.....	1,934.2561	11,819.886	1,589.9485	5.1108
33.....	36,207.494	868,876.39	10,900.376	22.9971	88.....	1,692.3614	9,885.6298	1,404.3914	4.8413
34.....	35,097.014	832,668.89	10,844.483	22.7248	89.....	1,468.0496	8,193.2684	1,229.3716	4.5811
35.....	34,016.162	797,571.88	10,785.874	22.4469	90.....	1,260.7125	6,725.2189	1,064.7933	4.3345
36.....	32,963.642	763,555.72	10,724.116	22.1636	91.....	1,070.8223	5,464.5064	911.62287	4.1031
37.....	31,937.929	730,592.08	10,658.509	21.8754	92.....	898.98128	4,393.6841	770.97088	3.8874
38.....	30,938.241	698,654.15	10,589.052	21.5822	93.....	745.15948	3,494.7028	643.33300	3.6899
39.....	29,963.536	667,715.91	10,515.461	21.2843	94.....	609.21490	2,749.5433	529.09209	3.5133
40.....	29,013.430	637,752.37	10,438.079	20.9813	95.....	490.82611	2,140.3284	428.44742	3.3607
41.....	28,086.691	608,738.94	10,356.391	20.6736	96.....	389.42525	1,649.5023	341.34247	3.2357
42.....	27,182.463	580,652.25	10,270.222	20.3613	97.....	305.60430	1,260.0771	268.86400	3.1232
43.....	26,299.692	553,469.79	10,179.174	20.0447	98.....	237.29729	954.47280	209.45809	3.0223
44.....	25,437.165	527,170.09	10,082.657	19.7244	99.....	182.40789	717.17551	161.48026	2.9317
45.....	24,594.281	501,732.93	9,980.6613	19.4004	100.....	138.88324	534.76762	123.26847	2.8505
46.....	23,770.253	477,138.65	9,872.9718	19.0729	101.....	104.79752	395.88438	93.227887	2.7776
47.....	22,964.372	453,368.39	9,759.4284	18.7423	102.....	78.414998	291.08686	69.897721	2.7121
48.....	22,175.780	430,404.02	9,639.7015	18.4087	103.....	58.214381	212.67186	51.981036	2.6533
49.....	21,403.934	408,228.24	9,513.7517	18.0726	104.....	42.902868	154.45748	38.365088	2.6002
50.....	20,648.354	386,824.31	9,381.5876	17.7339	105.....	31.404483	111.55461	28.116301	2.5522
51.....	19,909.023	366,175.95	9,243.6646	17.3925	106.....	22.843865	80.150131	20.470376	2.5086
52.....	19,186.113	346,266.93	9,100.6289	17.0478	107.....	16.520772	57.306266	14.812639	2.4687
53.....	18,479.021	327,080.82	8,952.3557	16.7001	108.....	11.884209	40.785494	10.657263	2.4319
54.....	17,786.865	308,601.80	8,798.4237	16.3500	109.....	8.5071323	28.901285	7.6263286	2.3973

**TABLE 9E.—ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,383,082.4	8,342.9725	22.8308	55.....	10,056.137	153,108.08	4,167.3529	14.2253
1.....	94,481.731	2,283,082.4	6,670.8571	23.1643	56.....	9,572.5723	143,051.95	4,070.5626	13.9439
2.....	90,738.801	2,188,600.7	6,561.8398	23.1198	57.....	9,105.0810	133,479.37	3,971.2472	13.6599
3.....	87,179.048	2,097,861.9	6,492.0407	23.0638	58.....	8,653.2413	124,374.29	3,869.6029	13.3731
4.....	83,773.197	2,010,682.8	6,439.2303	23.0015	59.....	8,216.6687	115,721.05	3,765.8473	13.0837
5.....	80,514.097	1,926,909.6	6,402.1768	22.9326	60.....	7,794.7743	107,504.38	3,659.9786	12.7919
6.....	77,385.660	1,846,395.5	6,370.4356	22.8597	61.....	7,386.9727	99,709.607	3,551.9760	12.4980
7.....	74,383.990	1,769,009.9	6,345.1365	22.7821	62.....	6,992.6220	92,322.635	3,441.7397	12.2029
8.....	71,502.325	1,694,625.9	6,324.3948	22.7003	63.....	6,611.5241	85,330.013	3,329.5888	11.9063
9.....	68,734.360	1,623,123.6	6,306.5192	22.6144	64.....	6,243.7581	78,718.489	3,216.1121	11.6075
10.....	66,074.869	1,554,389.2	6,290.6574	22.5247	65.....	5,889.6650	72,474.731	3,102.1636	11.3054
11.....	63,518.915	1,488,314.3	6,276.0447	22.4310	66.....	5,549.4802	66,585.066	2,988.5044	10.9984
12.....	61,061.222	1,424,795.4	6,261.3865	22.3339	67.....	5,222.9146	61,035.585	2,875.3803	10.6861
13.....	58,697.448	1,363,734.2	6,246.1212	22.2333	68.....	4,908.8869	55,812.671	2,762.2339	10.3697
14.....	56,422.358	1,305,036.7	6,228.6248	22.1298	69.....	4,605.7631	50,903.784	2,647.9135	10.0522
15.....	54,232.736	1,248,614.4	6,209.0940	22.0233	70.....	4,312.1014	46,298.021	2,531.3966	9.7368
16.....	52,124.438	1,194,381.7	6,186.6709	21.9140	71.....	4,027.0466	41,985.919	2,412.1918	9.4260
17.....	50,095.094	1,142,257.2	6,162.1123	21.8018	72.....	3,750.6519	37,958.873	2,290.6834	9.1206
18.....	48,141.867	1,092,162.1	6,135.6197	21.6863	73.....	3,483.4900	34,208.221	2,167.7775	8.8201
19.....	46,262.482	1,044,020.3	6,107.8455	21.5673	74.....	3,226.9511	30,724.731	2,045.2189	8.5213
20.....	44,453.797	997,757.77	6,078.4866	21.4448	75.....	2,982.1993	27,497.780	1,924.5806	8.2206
21.....	42,713.260	953,303.97	6,047.7109	21.3187	76.....	2,749.5304	24,515.580	1,806.6117	7.9163
22.....	41,038.407	910,590.71	6,015.6760	21.1887	77.....	2,528.4311	21,766.050	1,691.2636	7.6085
23.....	39,426.861	869,552.31	5,982.5296	21.0548	78.....	2,318.1823	19,237.619	1,578.2621	7.2986
24.....	37,876.324	830,125.44	5,948.4102	20.9167	79.....	2,117.5481	16,919.437	1,466.7888	6.9901
25.....	36,384.579	792,249.12	5,913.4474	20.7743	80.....	1,925.2992	14,801.888	1,355.9840	6.6881
26.....	34,949.487	755,864.54	5,877.7625	20.6273	81.....	1,740.3224	12,876.589	1,245.0572	6.3990
27.....	33,568.647	720,915.05	5,841.1328	20.4758	82.....	1,562.5083	11,136.267	1,134.1785	6.1272
28.....	32,240.426	687,346.41	5,804.0136	20.3194	83.....	1,393.0512	9,573.7587	1,024.8180	5.8725
29.....	30,962.899	655,105.98	5,766.5031	20.1578	84.....	1,234.5381	8,180.7074	919.88372	5.6265
30.....	29,734.208	624,143.08	5,728.6926	19.9907	85.....	1,089.1119	6,946.1693	821.93974	5.3778
31.....	28,552.559	594,408.88	5,690.6672	19.8181	86.....	956.27164	5,857.0574	730.98843	5.1249
32.....	27,415.947	565,856.32	5,652.2310	19.6397	87.....	834.54930	4,900.7858	646.04576	4.8724
33.....	26,322.473	538,440.37	5,613.2160	19.4555	88.....	723.16104	4,066.2365	566.75555	4.6229
34.....	25,269.827	512,117.90	5,572.9730	19.2660	89.....	621.27877	3,343.0755	492.68717	4.3810
35.....	24,256.118	486,848.07	5,531.1806	19.0711	90.....	528.40357	2,721.7967	423.70731	4.1510
36.....	23,279.576	462,591.95	5,487.5662	18.8712	91.....	444.49918	2,193.3931	360.12613	3.9345
37.....	22,338.320	439,312.38	5,441.6786	18.6663	92.....	369.57970	1,748.8939	302.30277	3.7321
38.....	21,431.041	416,974.06	5,393.5653	18.4565	93.....	303.39650	1,379.3142	250.33418	3.5462
39.....	20,556.283	395,543.01	5,343.0787	18.2420	94.....	245.66073	1,075.9177	204.26751	3.3797
40.....	19,713.080	374,986.73	5,290.5021	18.0222	95.....	196.01837	830.25701	164.07363	3.2356
41.....	18,899.916	355,273.65	5,235.5329	17.7976	96.....	154.02709	634.23864	129.62152	3.1177
42.....	18,115.569	336,373.73	5,178.1062	17.5682	97.....	119.71163	480.21156	101.23018	3.0114
43.....	17,358.722	318,258.17	5,118.0113	17.3342	98.....	92.060545	360.49993	78.183388	2.9159
44.....	16,627.986	300,899.44	5,054.9190	17.0960	99.....	70.085516	268.43938	59.749149	2.8302
45.....	15,922.416	284,271.46	4,988.8868	16.8535	100....	52.849196	198.35387	45.208426	2.7532
46.....	15,240.967	268,349.04	4,919.8386	16.6071	101....	39.495119	145.50467	33.887011	2.6841
47.....	14,582.675	253,108.07	4,847.7371	16.3568	102....	29.268162	106.00955	25.179097	2.6220
48.....	13,946.506	238,525.40	4,772.4400	16.1029	103....	21.519416	76.741389	18.556049	2.5661
49.....	13,331.652	224,578.89	4,693.9909	15.8455	104....	15.706898	55.221973	13.571201	2.5158
50.....	12,737.368	211,247.24	4,612.4627	15.5848	105....	11.386746	39.515075	9.8551602	2.4703
51.....	12,163.207	198,509.87	4,528.2001	15.3205	106....	8.2031648	28.128330	7.1095311	2.4290
52.....	11,608.845	186,346.67	4,441.6542	15.0521	107....	5.8755168	19.925165	5.0973895	2.3912
53.....	11,073.499	174,737.82	4,352.8019	14.7798	108....	4.1859102	14.049648	3.6337643	2.3564
54.....	10,556.239	163,664.32	4,261.4456	14.5040	109....	2.9676091	9.8637378	2.5764597	2.3238

TABLE 9F.—ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,983,622.7	5,541.7739	18.8362	55.....	5,940.9158	81,726.136	2,049.1914	12.7565
1.....	93,581.905	1,883,622.7	3,885.5834	19.1281	56.....	5,601.3783	75,785.220	1,992.5547	12.5297
2.....	89,018.673	1,790,040.8	3,778.6327	19.1086	57.....	5,277.0852	70,183.842	1,934.9939	12.2997
3.....	84,711.865	1,701,022.1	3,710.8089	19.0801	58.....	4,967.4459	64,906.757	1,876.6444	12.0664
4.....	80,627.139	1,616,310.2	3,659.9818	19.0467	59.....	4,671.9066	59,939.311	1,817.6501	11.8297
5.....	76,752.429	1,535,683.1	3,624.6594	19.0083	60.....	4,389.8124	55,267.404	1,758.0276	11.5899
6.....	73,067.582	1,458,930.7	3,594.6894	18.9669	61.....	4,120.5288	50,877.592	1,697.7827	11.3473
7.....	69,564.513	1,385,863.1	3,571.0295	18.9220	62.....	3,863.4078	46,757.063	1,636.8774	11.1025
8.....	66,232.704	1,316,298.6	3,551.8164	18.8738	63.....	3,618.0630	42,893.655	1,575.5044	10.8554
9.....	63,062.365	1,250,065.9	3,535.4159	18.8227	64.....	3,384.2672	39,275.592	1,513.9973	10.6053
10.....	60,044.981	1,187,003.5	3,521.0017	18.7686	65.....	3,161.9370	35,891.325	1,452.8226	10.3511
11.....	57,172.544	1,126,958.5	3,507.8490	18.7115	66.....	2,950.9304	32,729.388	1,392.3845	10.0912
12.....	54,436.974	1,069,786.0	3,494.7809	18.6518	67.....	2,750.8292	29,778.458	1,332.8038	9.8253
13.....	51,831.257	1,015,349.0	3,481.3013	18.5895	68.....	2,560.8124	27,027.629	1,273.7788	9.5543
14.....	49,347.800	963,517.74	3,465.9988	18.5250	69.....	2,379.7995	24,466.816	1,214.7094	9.2810
15.....	46,980.985	914,169.94	3,449.0795	18.4583	70.....	2,206.8448	22,087.017	1,155.0785	9.0084
16.....	44,724.556	867,188.96	3,429.8397	18.3895	71.....	2,041.3314	19,880.172	1,094.6529	8.7388
17.....	42,573.943	822,464.40	3,408.9682	18.3185	72.....	1,883.1185	17,838.841	1,033.6463	8.4730
18.....	40,524.312	779,890.46	3,386.6676	18.2450	73.....	1,732.3255	15,955.722	972.52565	8.2106
19.....	38,571.426	739,366.15	3,363.5108	18.1688	74.....	1,589.4664	14,223.397	912.15823	7.9485
20.....	36,710.447	700,794.72	3,339.2659	18.0898	75.....	1,454.9219	12,633.930	853.30256	7.6836
21.....	34,937.157	664,084.27	3,314.0931	18.0080	76.....	1,328.6347	11,179.008	796.29734	7.4139
22.....	33,247.530	629,147.12	3,288.1397	17.9231	77.....	1,210.1584	9,850.3737	741.08940	7.1397
23.....	31,637.716	595,899.59	3,261.5417	17.8351	78.....	1,098.9621	8,640.2153	687.51972	6.8622
24.....	30,104.040	564,261.87	3,234.4237	17.7437	79.....	994.28861	7,541.2531	635.17773	6.5846
25.....	28,642.991	534,157.83	3,206.9000	17.6488	80.....	895.40898	6,546.9645	583.64517	6.3117
26.....	27,251.214	505,514.84	3,179.0754	17.5502	81.....	801.67245	5,651.5555	532.54716	6.0497
27.....	25,925.248	478,263.63	3,150.7860	17.4478	82.....	712.90822	4,849.8831	481.95782	5.8030
28.....	24,662.318	452,338.38	3,122.3917	17.3413	83.....	629.53870	4,136.9748	432.53630	5.5714
29.....	23,459.502	427,676.06	3,093.9713	17.2304	84.....	552.59108	3,507.4362	385.56672	5.3473
30.....	22,314.008	404,216.56	3,065.5965	17.1149	85.....	482.85409	2,954.8451	342.14359	5.1195
31.....	21,223.171	381,902.55	3,037.3321	16.9946	86.....	419.92211	2,471.9910	302.20465	4.8868
32.....	20,184.247	360,679.38	3,009.0345	16.8694	87.....	362.98067	2,052.0689	265.25951	4.6534
33.....	19,194.642	340,495.13	2,980.5843	16.7391	88.....	311.53766	1,689.0882	231.10130	4.4218
34.....	18,251.545	321,300.49	2,951.5182	16.6040	89.....	265.09778	1,377.5505	199.49654	4.1964
35.....	17,352.526	303,048.95	2,921.6204	16.4643	90.....	223.32090	1,112.4528	170.34336	3.9814
36.....	16,495.311	285,696.42	2,890.7164	16.3199	91.....	186.07097	889.13186	143.72777	3.7785
37.....	15,677.615	269,201.11	2,858.5112	16.1710	92.....	153.23565	703.06089	119.75296	3.5881
38.....	14,897.617	253,523.49	2,825.0657	16.0177	93.....	124.59663	549.82524	98.410886	3.4128
39.....	14,153.445	238,625.88	2,790.3045	15.8599	94.....	99.925314	425.22861	79.672739	3.2555
40.....	13,443.616	224,472.43	2,754.4492	15.6973	95.....	78.973355	325.30329	63.479128	3.1192
41.....	12,766.314	211,028.81	2,717.3192	15.5301	96.....	61.464586	246.32994	49.730995	3.0077
42.....	12,119.974	198,262.50	2,678.8986	15.3583	97.....	47.316024	184.86535	38.509318	2.9070
43.....	11,503.009	186,142.53	2,639.0759	15.1821	98.....	36.040390	137.54933	29.486828	2.8165
44.....	10,913.836	174,639.52	2,597.6650	15.0017	99.....	27.176170	101.50894	22.338817	2.7352
45.....	10,351.202	163,725.68	2,554.7373	14.8171	100....	20.297493	74.332766	16.754244	2.6622
46.....	9,813.8267	153,374.48	2,510.2764	14.6284	101....	15.024205	54.035273	12.447502	2.5965
47.....	9,300.5168	143,560.65	2,464.2916	14.4358	102....	11.027766	39.011068	9.1665020	2.5375
48.....	8,810.0695	134,260.14	2,416.7261	14.2394	103....	8.0309445	27.983302	6.6948120	2.4844
49.....	8,341.4577	125,450.07	2,367.6414	14.0393	104....	5.8059140	19.952357	4.8522074	2.4366
50.....	7,893.7201	117,108.61	2,317.1160	13.8357	105....	4.1689227	14.146443	3.4916882	2.3933
51.....	7,466.1060	109,214.89	2,265.3934	13.6281	106....	2.9747447	9.9775207	2.4960304	2.3541
52.....	7,057.9588	101,748.78	2,212.7751	13.4162	107....	2.1103689	7.0027759	1.7733091	2.3183
53.....	6,668.3595	94,690.824	2,159.2691	13.2000	108....	1.4891768	4.8924071	1.2526107	2.2853
54.....	6,296.3286	88,022.465	2,104.7790	12.9800	109....	1.0456999	3.4032303	.8800470	2.2545

**TABLE 9G.—ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,695,032.2	4,054.7788	15.9503	55.....	3,527.2989	44,186.907	1,026.1521	11.5271
1.....	92,699.057	1,595,032.2	2,414.2128	16.2066	56.....	3,294.3307	40,659.608	992.84241	11.3423
2.....	87,346.998	1,502,333.2	2,309.2705	16.1996	57.....	3,074.3254	37,365.277	959.30861	11.1540
3.....	82,336.906	1,414,986.2	2,243.3482	16.1853	58.....	2,866.6344	34,290.952	925.63604	10.9621
4.....	77,627.390	1,332,649.3	2,194.4121	16.1673	59.....	2,670.6486	31,424.317	891.91252	10.7665
5.....	73,199.700	1,255,021.9	2,160.7248	16.1452	60.....	2,485.7188	28,753.669	858.15150	10.5675
6.....	69,028.007	1,181,822.2	2,132.4117	16.1209	61.....	2,311.2260	26,267.950	824.35979	10.3654
7.....	65,098.621	1,112,794.2	2,110.2706	16.0940	62.....	2,146.5620	23,956.724	790.51995	10.1605
8.....	61,395.983	1,047,695.5	2,092.4606	16.0646	63.....	1,991.2805	21,810.162	756.74198	9.9528
9.....	57,905.679	986,299.56	2,077.4012	16.0329	64.....	1,845.0341	19,818.881	723.20956	9.7417
10.....	54,614.889	928,393.88	2,064.2905	15.9989	65.....	1,707.5617	17,973.847	690.17301	9.5260
11.....	51,511.629	873,778.99	2,052.4401	15.9628	66.....	1,578.5763	16,266.285	657.84210	9.3044
12.....	48,584.214	822,267.36	2,040.7771	15.9246	67.....	1,457.6514	14,687.709	626.27057	9.0763
13.....	45,822.247	773,683.15	2,028.8602	15.8844	68.....	1,344.1609	13,230.058	595.28861	8.8426
14.....	43,215.134	727,860.90	2,015.4594	15.8427	69.....	1,237.3635	11,885.897	564.57580	8.6058
15.....	40,754.318	684,645.77	2,000.7825	15.7993	70.....	1,136.6118	10,648.533	533.86350	8.3687
16.....	38,430.937	643,891.45	1,984.2501	15.7545	71.....	1,041.4473	9,511.9214	503.03559	8.1334
17.....	36,237.836	605,460.51	1,966.4849	15.7080	72.....	951.66672	8,470.4741	472.20482	7.9007
18.....	34,167.835	569,222.68	1,947.6822	15.6596	73.....	867.20181	7,518.8074	441.60783	7.6702
19.....	32,214.466	535,054.84	1,928.3419	15.6091	74.....	788.18009	6,651.6056	411.67301	7.4392
20.....	30,370.948	502,840.38	1,908.2839	15.5566	75.....	714.65627	5,863.4255	382.76316	7.2045
21.....	28,631.208	472,469.43	1,887.6546	15.5019	76.....	646.46728	5,148.7692	355.02640	6.9645
22.....	26,989.506	443,838.22	1,866.5863	15.4448	77.....	583.26595	4,502.3019	328.41757	6.7191
23.....	25,440.410	416,848.71	1,845.1984	15.3853	78.....	524.67524	3,919.0360	302.84190	6.4695
24.....	23,978.786	391,408.30	1,823.5980	15.3231	79.....	470.22286	3,394.3607	278.08812	6.2186
25.....	22,599.780	367,429.52	1,801.8814	15.2581	80.....	419.46541	2,924.1379	253.94706	5.9711
26.....	21,298.800	344,829.74	1,780.1345	15.1901	81.....	372.01041	2,504.6725	230.23539	5.7328
27.....	20,071.306	323,530.94	1,758.2329	15.1191	82.....	327.69906	2,132.6620	206.98123	5.5080
28.....	18,913.419	303,459.63	1,736.4574	15.0447	83.....	286.64702	1,804.9630	184.47820	5.2968
29.....	17,821.258	284,546.21	1,714.8675	14.9667	84.....	249.23688	1,518.3160	163.29336	5.0919
30.....	16,791.156	266,724.96	1,693.5157	14.8848	85.....	215.72863	1,269.0791	143.89286	4.8828
31.....	15,819.645	249,933.80	1,672.4475	14.7990	86.....	185.84207	1,053.3505	126.21735	4.6680
32.....	14,903.299	234,114.16	1,651.5536	14.7089	87.....	159.12640	867.50838	110.02104	4.4517
33.....	14,038.908	219,210.86	1,630.7453	14.6145	88.....	135.28596	708.38198	95.187760	4.2362
34.....	13,223.194	205,171.95	1,609.6869	14.5161	89.....	114.03330	573.09601	81.592797	4.0257
35.....	12,453.255	191,948.75	1,588.2304	14.4135	90.....	95.156489	459.06271	69.170697	3.8243
36.....	11,726.385	179,495.50	1,566.2610	14.3070	91.....	78.536420	363.90622	57.936845	3.6336
37.....	11,039.949	167,769.11	1,543.5826	14.1965	92.....	64.067196	285.36980	47.913079	3.4542
38.....	10,391.716	156,729.16	1,520.2529	14.0821	93.....	51.601896	221.30261	39.074224	3.2887
39.....	9,779.4872	146,337.45	1,496.2343	13.9637	94.....	40.993812	169.70071	31.387001	3.1397
40.....	9,201.3903	136,557.96	1,471.6933	13.8410	95.....	32.092740	128.70690	24.806335	3.0105
41.....	8,655.3833	127,356.57	1,446.5197	13.7141	96.....	24.741989	96.614158	19.272153	2.9049
42.....	8,139.6531	118,701.19	1,420.7169	13.5831	97.....	18.866934	71.872169	14.797588	2.8094
43.....	7,652.4258	110,561.53	1,394.2246	13.4479	98.....	14.235279	53.005236	11.233873	2.7235
44.....	7,191.9808	102,909.11	1,366.9357	13.3089	99.....	10.632814	38.769956	8.4371782	2.6463
45.....	6,756.8659	95,717.128	1,338.9142	13.1659	100....	7.8665768	28.137143	6.2727988	2.5768
46.....	6,345.6533	88,960.262	1,310.1656	13.0191	101....	5.7679077	20.270566	4.6194076	2.5144
47.....	5,957.0119	82,614.609	1,280.7122	12.8685	102....	4.1937042	14.502658	3.3716895	2.4582
48.....	5,589.6441	76,657.597	1,250.5338	12.7142	103....	3.0252433	10.308954	2.4406080	2.4076
49.....	5,242.4007	71,067.953	1,219.6852	12.5564	104....	2.1664452	7.2837106	1.7530501	2.3621
50.....	4,914.2066	65,825.552	1,188.2308	12.3950	105....	1.5409353	5.1172654	1.2501691	2.3209
51.....	4,604.1480	60,911.346	1,156.3349	12.2297	106....	1.0891650	3.5763302	.8856216	2.2836
52.....	4,311.3937	56,307.198	1,124.1927	12.0601	107....	.7653953	2.4871651	.6235028	2.2495
53.....	4,034.9764	51,995.804	1,091.8166	11.8863	108....	.5350041	1.7217698	.4364358	2.2182
54.....	3,773.9210	47,960.828	1,059.1561	11.7085	109....	.3721357	1.1867657	.3038507	2.1891



**TABLE 9H.—ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,479,208.5	3,229.3499	13.7921	55.....	2,104.5395	24,177.884	522.80841	10.4884
1.....	91,832.710	1,379,208.5	1,604.1162	14.0187	56.....	1,947.1711	22,073.344	503.12015	10.3361
2.....	85,721.973	1,287,375.8	1,501.1263	14.0180	57.....	1,800.1505	20,126.173	483.48466	10.1803
3.....	80,049.902	1,201,653.8	1,437.0351	14.0113	58.....	1,662.8512	18,326.023	463.95218	10.0208
4.....	74,765.861	1,121,603.9	1,389.9029	14.0016	59.....	1,534.6873	16,663.171	444.57297	9.8577
5.....	69,842.494	1,046,838.1	1,357.7606	13.9886	60.....	1,415.0678	15,128.484	425.35352	9.6910
6.....	65,246.596	976,995.56	1,330.9985	13.9739	61.....	1,303.4361	13,713.416	406.29640	9.5210
7.....	60,957.395	911,748.97	1,310.2659	13.9572	62.....	1,199.2587	12,409.980	387.39048	9.3480
8.....	56,953.007	850,791.57	1,293.7448	13.9385	63.....	1,102.1075	11,210.721	368.69550	9.1721
9.....	53,213.270	793,838.57	1,279.9057	13.9181	64.....	1,011.6214	10,108.614	350.30987	8.9925
10.....	49,720.093	740,625.30	1,267.9700	13.8959	65.....	927.49611	9,096.9925	332.36541	8.8081
11.....	46,456.689	690,905.20	1,257.2825	13.8720	66.....	849.42174	8,169.4964	314.96836	8.6177
12.....	43,407.046	644,448.51	1,246.8623	13.8466	67.....	777.02243	7,320.0747	298.13869	8.4207
13.....	40,556.785	601,041.47	1,236.3148	13.8198	68.....	709.82814	6,543.0523	281.77765	8.2178
14.....	37,891.787	560,484.68	1,224.5647	13.7917	69.....	647.32346	5,833.2241	265.71032	8.0113
15.....	35,400.137	522,592.90	1,211.8161	13.7625	70.....	589.05830	5,185.9007	249.79343	7.8037
16.....	33,070.014	487,192.76	1,197.5899	13.7322	71.....	534.69428	4,596.8424	233.96593	7.5971
17.....	30,891.411	454,122.75	1,182.4457	13.7006	72.....	484.03324	4,062.1481	218.28489	7.3923
18.....	28,854.599	423,231.34	1,166.5669	13.6677	73.....	436.95083	3,578.1148	202.86821	7.1888
19.....	26,950.734	394,376.74	1,150.3867	13.6332	74.....	393.42318	3,141.1640	187.92612	6.9842
20.....	25,170.978	367,426.00	1,133.7629	13.5972	75.....	353.38961	2,747.7408	173.63052	6.7754
21.....	23,507.341	342,255.02	1,116.8254	13.5595	76.....	316.68333	2,394.3512	160.04319	6.5607
22.....	21,952.342	318,747.68	1,099.6893	13.5200	77.....	283.05274	2,077.6679	147.13020	6.3402
23.....	20,498.974	296,795.34	1,082.4556	13.4785	78.....	252.23968	1,794.6151	134.83460	6.1147
24.....	19,140.677	276,296.37	1,065.2135	13.4350	79.....	223.94876	1,542.3755	123.04534	5.8872
25.....	17,871.310	257,155.69	1,048.0406	13.3893	80.....	197.90791	1,318.4267	111.65535	5.6618
26.....	16,685.123	239,284.38	1,031.0044	13.3412	81.....	173.87782	1,120.5188	100.57251	5.4443
27.....	15,576.576	222,599.26	1,014.0074	13.2906	82.....	151.73521	946.64097	89.805083	5.2388
28.....	14,540.806	207,022.68	997.26619	13.2374	83.....	131.48636	794.90576	79.482834	5.0455
29.....	13,573.095	192,481.87	980.82285	13.1811	84.....	113.25768	663.41940	69.856067	4.8576
30.....	12,669.026	178,908.78	964.71272	13.1217	85.....	97.114758	550.16172	61.122523	4.6651
31.....	11,824.463	166,239.75	948.96524	13.0590	86.....	82.878823	453.04696	53.239891	4.4664
32.....	11,035.429	154,415.29	933.49398	12.9927	87.....	70.301381	370.16814	46.084428	4.2654
33.....	10,298.221	143,379.86	918.23003	12.9228	88.....	59.210188	299.86676	39.592391	4.0644
34.....	9,609.2029	133,081.64	902.92706	12.8494	89.....	49.442167	240.65657	33.697933	3.8674
35.....	8,965.1169	123,472.44	887.48049	12.7725	90.....	40.872038	191.21440	28.362338	3.6784
36.....	8,362.9459	114,507.32	871.81248	12.6922	91.....	33.418048	150.34236	23.582220	3.4988
37.....	7,799.8148	106,144.37	855.79002	12.6086	92.....	27.006467	116.92431	19.356867	3.3295
38.....	7,273.2180	98,344.559	839.46143	12.5215	93.....	21.548637	89.917848	15.665814	3.1728
39.....	6,780.7463	91,071.341	822.80780	12.4309	94.....	16.958777	68.369211	12.485679	3.0315
40.....	6,320.2893	84,290.595	805.95099	12.3365	95.....	13.152403	51.410434	9.7887577	2.9088
41.....	5,889.6827	77,970.305	788.82124	12.2385	96.....	10.045117	38.258030	7.5419093	2.8086
42.....	5,486.9825	72,080.623	771.42741	12.1367	97.....	7.5882882	28.212913	5.7422373	2.7180
43.....	5,110.3294	66,593.640	753.73574	12.0312	98.....	5.6719263	20.624625	4.3223054	2.6363
44.....	4,757.9554	61,483.311	735.68242	11.9222	99.....	4.1969604	14.952698	3.2184002	2.5627
45.....	4,428.3225	56,725.355	717.31760	11.8097	100....	3.0760582	10.755738	2.3720655	2.4966
46.....	4,119.9540	52,297.033	698.65243	11.6936	101....	2.2343394	7.6796797	1.7315841	2.4371
47.....	3,831.4802	48,177.079	679.70835	11.5740	102....	1.6093508	5.4453403	1.2527673	2.3836
48.....	3,561.5936	44,345.599	660.47933	11.4511	103....	1.1500993	3.8359894	.8988003	2.3354
49.....	3,309.1199	40,784.005	641.00706	11.3247	104....	.8159148	2.6858902	.6398560	2.2919
50.....	3,072.9662	37,474.885	621.33790	11.1950	105....	.5749149	1.8699754	.4522338	2.2526
51.....	2,852.1722	34,401.919	601.57902	11.0617	106....	.4025640	1.2950604	.3174941	2.2170
52.....	2,645.8562	31,549.747	581.85371	10.9242	107....	.2802523	.8924964	.2215183	2.1846
53.....	2,453.0796	28,903.891	562.17052	10.7827	108....	.1940629	.6122441	.1536632	2.1549
54.....	2,272.9273	26,450.811	542.50003	10.6373	109....	.1337239	.4181812	.1060199	2.1272

**TABLE 9I.—ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,312,897.7	2,748.3191	12.1290	55.....	1,261.7064	13,377.983	270.74455	9.6031
1.....	90,982.407	1,212,897.7	1,138.1339	12.3311	56.....	1,156.5525	12,116.277	259.05040	9.4762
2.....	84,141.878	1,121,915.3	1,037.0423	12.3336	57.....	1,059.3271	10,959.724	247.49558	9.3459
3.....	77,846.819	1,037,773.4	974.71501	12.3310	58.....	969.47068	9,900.3972	236.10781	9.2122
4.....	72,034.978	959,926.59	929.30436	12.3258	59.....	886.46424	8,930.9265	224.91402	9.0748
5.....	66,668.372	887,891.61	898.62280	12.3180	60.....	809.80150	8,044.4622	213.91530	8.9339
6.....	61,704.665	821,223.24	873.31351	12.3089	61.....	739.01135	7,234.6607	203.11044	8.7896
7.....	57,114.523	759,518.57	853.88797	12.2982	62.....	673.64990	6,495.6494	192.49058	8.6425
8.....	52,868.481	702,404.05	838.55166	12.2859	63.....	613.34576	5,821.9995	182.08643	8.4922
9.....	48,939.570	649,535.57	825.82406	12.2722	64.....	557.77550	5,208.6537	171.94919	8.3383
10.....	45,303.541	600,596.00	814.94860	12.2572	65.....	506.65641	4,650.8782	162.14680	8.1796
11.....	41,938.075	555,292.46	805.30063	12.2408	66.....	459.71094	4,144.2218	152.73143	8.0148
12.....	38,822.232	513,354.38	795.98106	12.2232	67.....	416.63432	3,684.5109	143.70748	7.8435
13.....	35,937.165	474,532.15	786.63496	12.2045	68.....	377.08106	3,267.8766	135.01602	7.6662
14.....	33,264.837	438,594.99	776.31967	12.1849	69.....	340.69274	2,890.7955	126.55963	7.4851
15.....	30,789.687	405,330.15	765.23139	12.1645	70.....	307.15659	2,550.1028	118.25998	7.3023
16.....	28,496.711	374,540.46	752.97253	12.1433	71.....	276.22763	2,242.9462	110.08336	7.1199
17.....	26,372.914	346,043.75	740.04347	12.1212	72.....	247.74037	1,966.7185	102.05741	6.9386
18.....	24,405.934	319,670.84	726.61282	12.0981	73.....	221.57165	1,718.9782	94.239823	6.7581
19.....	22,584.528	295,264.90	713.05396	12.0738	74.....	197.65217	1,497.4065	86.733058	6.5760
20.....	20,897.799	272,680.37	699.25231	12.0483	75.....	175.89579	1,299.7544	79.617580	6.3893
21.....	19,335.882	251,782.58	685.32044	12.0215	76.....	156.16615	1,123.8586	72.917253	6.1966
22.....	17,889.629	232,446.69	671.35564	11.9934	77.....	138.28946	967.69242	66.608430	5.9976
23.....	16,550.557	214,557.06	657.44148	11.9637	78.....	122.09423	829.40296	60.656861	5.7931
24.....	15,310.798	198,006.51	643.64935	11.9325	79.....	107.39657	707.30874	55.003220	5.5860
25.....	14,163.055	182,695.71	630.03975	11.8995	80.....	94.029674	599.91217	49.591627	5.3800
26.....	13,100.564	168,532.65	616.66353	11.8645	81.....	81.847608	505.88249	44.374721	5.1808
27.....	12,116.930	155,432.09	603.44167	11.8277	82.....	70.763320	424.03489	39.353219	4.9923
28.....	11,206.477	143,315.16	590.53938	11.7886	83.....	60.752275	353.27157	34.583902	4.8150
29.....	10,363.812	132,108.68	577.98398	11.7471	84.....	51.845317	292.51929	30.177112	4.6422
30.....	9,583.9355	121,744.87	565.79690	11.7030	85.....	44.044037	240.67397	26.216226	4.4644
31.....	8,862.2119	112,160.93	553.99446	11.6561	86.....	37.239641	196.62994	22.674351	4.2801
32.....	8,194.2637	103,298.72	542.50641	11.6062	87.....	31.295780	159.39030	19.488983	4.0930
33.....	7,576.0521	95,104.459	531.27723	11.5533	88.....	26.114300	128.09451	16.625709	3.9051
34.....	7,003.7094	87,528.407	520.12360	11.4974	89.....	21.604264	101.98021	14.050065	3.7204
35.....	6,473.7621	80,524.697	508.96955	11.4386	90.....	17.694092	80.375951	11.740209	3.5425
36.....	5,983.0149	74,050.935	497.76035	11.3769	91.....	14.333198	62.681858	9.6899878	3.3732
37.....	5,528.4720	68,067.920	486.40370	11.3122	92.....	11.475981	48.348661	7.8944894	3.2130
38.....	5,107.4891	62,539.448	474.93724	11.2447	93.....	9.0719754	36.872680	6.3405566	3.0645
39.....	4,717.5701	57,431.959	463.35080	11.1741	94.....	7.0735368	27.800704	5.0141161	2.9302
40.....	4,356.5013	52,714.389	451.73160	11.1002	95.....	5.4350961	20.727167	3.8996411	2.8136
41.....	4,022.0995	48,357.888	440.03359	11.0230	96.....	4.1126064	15.292071	2.9797511	2.7183
42.....	3,712.3978	44,335.788	428.26523	10.9426	97.....	3.0779813	11.179465	2.2497635	2.6321
43.....	3,425.5463	40,623.391	416.40618	10.8590	98.....	2.2793591	8.1014836	1.6791399	2.5543
44.....	3,159.8127	37,197.844	404.41676	10.7722	99.....	1.6710024	5.8221245	1.2396246	2.4842
45.....	2,913.6692	34,038.032	392.33341	10.6822	100....	1.2133798	4.1511221	.9057800	2.4211
46.....	2,685.6746	31,124.362	380.16614	10.5890	101....	.8731953	2.9377423	.6554755	2.3644
47.....	2,474.5010	28,438.688	367.93140	10.4927	102....	.6231219	2.0645470	.4700832	2.3132
48.....	2,278.9008	25,964.187	355.62763	10.3933	103....	.4411818	1.4414251	.3343003	2.2672
49.....	2,097.7493	23,685.286	343.28359	10.2908	104....	.3100895	1.0002433	.2358882	2.2257
50.....	1,930.0071	21,587.537	330.93017	10.1852	105....	.2164741	.6901538	.1652423	2.1882
51.....	1,774.7487	19,657.530	318.63531	10.0762	106....	.1501749	.4736797	.1149782	2.1542
52.....	1,631.1255	17,882.781	306.47500	9.9635	107....	.1035790	.3235048	.0795064	2.1233
53.....	1,498.2794	16,251.655	294.45300	9.8469	108....	.0710600	.2199258	.0546599	2.0949
54.....	1,375.3928	14,753.376	282.55000	9.7267	109....	.0485122	.1488659	.0373759	2.0686

**TABLE 9J.—ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,075,123.6	2,261.4940	9.7512	55.....	459.90397	4,223.3614	75.962020	8.1831
1.....	89,328.182	975,123.57	680.58490	9.9162	56.....	413.90940	3,763.4574	71.776894	8.0925
2.....	81,109.989	885,795.38	583.13598	9.9209	57.....	372.22119	3,349.5480	67.716819	7.9988
3.....	73,677.365	804,685.40	524.14689	9.9217	58.....	334.45428	2,977.3268	63.788194	7.9020
4.....	66,937.225	731,008.03	481.94986	9.9208	59.....	300.25785	2,642.8725	59.996698	7.8020
5.....	60,824.031	664,070.81	453.95793	9.9179	60.....	269.30399	2,342.6147	56.339012	7.6988
6.....	55,271.903	603,246.77	431.28715	9.9142	61.....	241.29393	2,073.3107	52.811130	7.5925
7.....	50,230.100	547,974.87	414.20311	9.9093	62.....	215.95368	1,832.0168	49.406692	7.4834
8.....	45,650.485	497,744.77	400.96063	9.9034	63.....	193.04688	1,616.0631	46.132049	7.3714
9.....	41,489.651	452,094.29	390.17051	9.8966	64.....	172.36454	1,423.0162	42.999424	7.2559
10.....	37,708.812	410,604.63	381.11823	9.8888	65.....	153.72097	1,250.6516	40.025352	7.1359
11.....	34,272.854	372,895.82	373.23366	9.8802	66.....	136.94163	1,096.9307	37.220643	7.0102
12.....	31,149.662	338,622.97	365.75594	9.8708	67.....	121.85315	959.98905	34.581405	6.8782
13.....	28,310.512	307,473.31	358.39329	9.8607	68.....	108.27982	838.13591	32.085631	6.7405
14.....	25,728.851	279,162.79	350.41488	9.8502	69.....	96.052071	729.85609	29.701506	6.5985
15.....	23,381.444	253,433.94	341.99453	9.8391	70.....	85.022674	633.80402	27.404115	6.4545
16.....	21,246.718	230,052.50	332.85451	9.8277	71.....	75.071156	548.78135	25.181932	6.3101
17.....	19,305.734	208,805.78	323.39006	9.8157	72.....	66.104930	473.71019	23.040356	6.1660
18.....	17,541.014	189,500.05	313.73719	9.8033	73.....	58.047340	407.60526	20.992305	6.0219
19.....	15,936.809	171,959.03	304.16937	9.7901	74.....	50.839444	349.55792	19.061440	5.8757
20.....	14,478.446	156,022.22	294.60728	9.7762	75.....	44.420733	298.71848	17.264496	5.7248
21.....	13,152.747	141,543.78	285.13048	9.7615	76.....	38.721149	254.29774	15.603161	5.5674
22.....	11,947.716	128,391.03	275.80399	9.7461	77.....	33.665223	215.57659	14.067339	5.4035
23.....	10,852.436	116,443.32	266.68028	9.7297	78.....	29.182239	181.91137	12.644831	5.2336
24.....	9,856.9719	105,590.88	257.80101	9.7123	79.....	25.202578	152.72913	11.318100	5.0601
25.....	8,952.2811	95,733.908	249.19856	9.6938	80.....	21.664594	127.52655	10.071260	4.8864
26.....	8,130.1361	86,781.627	240.89736	9.6741	81.....	18.514956	105.86196	8.8911303	4.7176
27.....	7,382.9766	78,651.490	232.84113	9.6531	82.....	15.716505	87.347004	7.7758566	4.5577
28.....	6,704.0784	71,268.514	225.12257	9.6306	83.....	13.247728	71.630500	6.7358527	4.4070
29.....	6,087.2422	64,564.435	217.74808	9.6065	84.....	11.099910	58.382772	5.7923736	4.2598
30.....	5,526.8286	58,477.193	210.72008	9.5806	85.....	9.2582328	47.282863	4.9597795	4.1071
31.....	5,017.7072	52,950.365	204.03764	9.5527	86.....	7.6855957	38.024630	4.2287999	3.9475
32.....	4,555.1658	47,932.657	197.65147	9.5227	87.....	6.3414549	30.339034	3.5833496	3.7842
33.....	4,134.9310	43,377.492	191.52270	9.4905	88.....	5.1953234	23.997579	3.0137140	3.6191
34.....	3,753.0514	39,242.561	185.54585	9.4562	89.....	4.2199250	18.802256	2.5106178	3.4556
35.....	3,405.9965	35,489.509	179.67744	9.4197	90.....	3.3933184	14.582331	2.0676408	3.2974
36.....	3,090.5702	32,083.513	173.88725	9.3811	91.....	2.6987987	11.189012	1.6816045	3.1459
37.....	2,803.8496	28,992.943	168.12755	9.3404	92.....	2.1215257	8.4902137	1.3496768	3.0019
38.....	2,543.2445	26,189.093	162.41789	9.2975	93.....	1.6466125	6.3686880	1.0676296	2.8678
39.....	2,306.3760	23,645.848	156.75339	9.2524	94.....	1.2605417	4.7220755	.8312509	2.7461
40.....	2,091.1282	21,339.472	151.17615	9.2048	95.....	.9509527	3.4615338	.6362566	2.6401
41.....	1,895.5127	19,248.344	145.66318	9.1547	96.....	.7064800	2.5105811	.4782342	2.5536
42.....	1,717.7480	17,352.832	140.21789	9.1021	97.....	.5191344	1.8041011	.3551140	2.4752
43.....	1,556.2016	15,635.084	134.83041	9.0470	98.....	.3774485	1.2849667	.2606221	2.4044
44.....	1,409.3811	14,078.882	129.48273	8.9894	99.....	.2716771	.9075182	.1891642	2.3404
45.....	1,275.9640	12,669.501	124.19115	8.9294	100....	.1936885	.6358411	.1358735	2.2828
46.....	1,154.7358	11,393.537	118.95969	8.8668	101....	.1368515	.4421527	.0966446	2.2309
47.....	1,044.5950	10,238.801	113.79488	8.8017	102....	.0958831	.3053012	.0681172	2.1841
48.....	944.53228	9,194.2061	108.69535	8.7341	103....	.0666527	.2094180	.0476035	2.1419
49.....	853.64251	8,249.6738	103.67216	8.6641	104....	.0459958	.1427653	.0330059	2.1039
50.....	771.10304	7,396.0313	98.736552	8.5915	105....	.0315260	.0967695	.0227175	2.0695
51.....	696.17987	6,624.9282	93.913653	8.5161	106....	.0214729	.0652435	.0155304	2.0384
52.....	628.20740	5,928.7484	89.230261	8.4376	107....	.0145411	.0437706	.0105507	2.0101
53.....	566.55170	5,300.5410	84.684324	8.3558	108....	.0097945	.0292296	.0071260	1.9843
54.....	510.62789	4,733.9893	80.265221	8.2709	109....	.0065650	.0194351	.0047870	1.9604

**TABLE 9K.—ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
FEMALES OTHER THAN WHITE**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	914,335.26	2,035.5080	8.1434	55.....	170.71575	1,383.3764	22.496858	7.1034
1.....	87,733.036	814,335.26	482.82939	8.2820	56.....	150.89901	1,212.6606	20.971086	7.0362
2.....	78,239.068	726,602.22	388.82971	8.2869	57.....	133.27751	1,061.7616	19.517335	6.9665
3.....	69,800.426	648,363.16	332.94466	8.2888	58.....	117.61621	928.48408	18.135771	6.8942
4.....	62,282.546	578,562.73	293.68192	8.2893	59.....	103.70494	810.86787	16.826241	6.8190
5.....	55,583.836	516,280.18	268.10159	8.2883	60.....	91.352943	707.16293	15.585485	6.7410
6.....	49,608.077	460,696.35	247.75394	8.2867	61.....	80.389774	615.80999	14.410132	6.6603
7.....	44,277.866	411,088.27	232.69434	8.2843	62.....	70.662612	535.42021	13.296159	6.5771
8.....	39,522.344	366,810.41	221.22954	8.2811	63.....	62.039249	464.75760	12.243791	6.4913
9.....	35,278.633	327,288.06	212.05471	8.2772	64.....	54.403436	402.71835	11.255040	6.4024
10.....	31,491.219	292,009.43	204.49500	8.2727	65.....	47.652553	348.31492	10.333096	6.3095
11.....	28,110.693	260,518.21	198.02805	8.2676	66.....	41.693005	300.66236	9.4791796	6.2113
12.....	25,092.810	232,407.52	192.00433	8.2619	67.....	36.436709	258.96936	8.689906	6.1074
13.....	22,398.469	207,314.71	186.17922	8.2558	68.....	31.799812	222.53265	7.9570272	5.9979
14.....	19,992.434	184,916.24	179.97964	8.2493	69.....	27.705019	190.73284	7.2693562	5.8844
15.....	17,843.961	164,923.80	173.55350	8.2426	70.....	24.085803	163.02782	6.6185356	5.7686
16.....	15,925.257	147,079.84	166.70270	8.2356	71.....	20.886907	138.94202	6.0002617	5.6521
17.....	14,212.012	131,154.58	159.73540	8.2284	72.....	18.063818	118.05511	5.4150553	5.5354
18.....	12,682.318	116,942.57	152.75628	8.2209	73.....	15.578753	99.991290	4.8653991	5.4184
19.....	11,316.704	104,260.25	145.96218	8.2130	74.....	13.400648	84.412537	4.3564468	5.2991
20.....	10,097.531	92,943.551	139.29341	8.2046	75.....	11.499671	71.011889	3.8912529	5.1751
21.....	9,009.1614	82,846.020	132.80214	8.1958	76.....	9.8451556	59.512218	3.4688453	5.0448
22.....	8,037.6199	73,836.859	126.52791	8.1864	77.....	8.4067959	49.667062	3.0853238	4.9080
23.....	7,170.4181	65,799.239	120.49969	8.1765	78.....	7.1571858	41.260266	2.7364418	4.7649
24.....	6,396.3971	58,628.821	114.73775	8.1659	79.....	6.0707633	34.103081	2.4168606	4.6176
25.....	5,705.5862	52,232.424	109.25512	8.1546	80.....	5.1253503	28.032317	2.1218866	4.4693
26.....	5,089.0772	46,526.837	104.05896	8.1425	81.....	4.3019994	22.906967	1.8476803	4.3247
27.....	4,538.8662	41,437.760	99.106200	8.1295	82.....	3.5865616	18.604968	1.5931710	4.1874
28.....	4,047.8987	36,898.894	94.445757	8.1156	83.....	2.9691926	15.018406	1.3600765	4.0581
29.....	3,609.8221	32,850.995	90.072580	8.1004	84.....	2.4433804	12.049213	1.1523921	3.9314
30.....	3,218.9621	29,241.173	85.979300	8.0840	85.....	2.0015867	9.6058329	.9723891	3.7991
31.....	2,870.2508	26,022.211	82.156782	8.0662	86.....	1.6319187	7.6042462	.8171768	3.6597
32.....	2,559.1361	23,151.960	78.568969	8.0468	87.....	1.3224661	5.9723276	.6825726	3.5161
33.....	2,281.5613	20,592.824	75.187253	8.0258	88.....	1.0641011	4.6498615	.5659004	3.3698
34.....	2,033.8693	18,311.263	71.948251	8.0032	89.....	.8488866	3.5857604	.4646968	3.2241
35.....	1,812.8313	16,277.394	68.824809	7.9790	90.....	.6704158	2.7368738	.3771781	3.0824
36.....	1,615.5726	14,464.562	65.798028	7.9532	91.....	.5236785	2.0664580	.3022711	2.9460
37.....	1,439.5184	12,848.990	62.840954	7.9259	92.....	.4043126	1.5427794	.2390136	2.8158
38.....	1,282.4053	11,409.471	59.961917	7.8969	93.....	.3082017	1.1384669	.1862219	2.6939
39.....	1,142.1994	10,127.066	57.156655	7.8663	94.....	.2317264	.8302652	.1427682	2.5830
40.....	1,017.1082	8,984.8666	54.443932	7.8337	95.....	.1716927	.5985388	.1075624	2.4861
41.....	905.49874	7,967.7584	51.810348	7.7993	96.....	.1252759	.4268461	.0795412	2.4072
42.....	805.92622	7,062.2596	49.255548	7.7629	97.....	.0904112	.3015702	.0580989	2.3355
43.....	717.09444	6,256.3334	46.773007	7.7246	98.....	.0645616	.2111590	.0419363	2.2707
44.....	637.84270	5,539.2389	44.352813	7.6843	99.....	.0456399	.1465974	.0299318	2.2120
45.....	567.15037	4,901.3962	42.000768	7.6421	100....	.0319573	.1009575	.0211392	2.1591
46.....	504.10046	4,334.2459	39.716975	7.5980	101....	.0221764	.0690002	.0147823	2.1114
47.....	447.87526	3,830.1454	37.502534	7.5518	102....	.0152601	.0468238	.0102421	2.0684
48.....	397.74122	3,382.2702	35.355132	7.5037	103....	.0104186	.0315637	.0070355	2.0296
49.....	353.04860	2,984.5289	33.277645	7.4536	104....	.0070613	.0211451	.0047945	1.9945
50.....	313.21716	2,631.4803	31.272833	7.4015	105....	.0047534	.0140838	.0032433	1.9629
51.....	277.73413	2,318.2632	29.348785	7.3471	106....	.0031798	.0093304	.0021789	1.9342
52.....	246.14187	2,040.5291	27.513756	7.2901	107....	.0021149	.0061506	.0014547	1.9082
53.....	218.02016	1,794.3872	25.764390	7.2304	108....	.0013991	.0040357	.0009655	1.8845
54.....	192.99067	1,576.3670	24.094200	7.1681	109....	.0009210	.0026366	.0006373	1.8627

**TABLE 10A. ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,903,088.5	51,454.359	48.0309	55.....	46,175.254	892,310.59	37,340.286	18.3244
1.....	96,915.842	4,803,088.5	49,360.300	48.5594	56.....	45,003.957	846,135.34	36,626.169	17.8014
2.....	95,823.859	4,706,172.7	49,227.880	48.1127	57.....	43,812.021	801,131.38	35,879.817	17.2857
3.....	94,781.182	4,610,348.8	49,133.954	47.6420	58.....	42,601.768	757,319.36	35,103.346	16.7767
4.....	93,771.434	4,515,567.6	49,062.633	47.1550	59.....	41,375.596	714,717.59	34,298.974	16.2739
5.....	92,788.226	4,421,796.2	49,007.856	46.6547	60.....	40,134.738	673,342.00	33,467.775	15.7770
6.....	91,820.840	4,329,008.0	48,959.165	46.1462	61.....	38,879.037	633,207.26	32,609.448	15.2866
7.....	90,869.903	4,237,187.1	48,917.346	45.6292	62.....	37,607.192	594,328.22	31,722.544	14.8036
8.....	89,934.213	4,146,317.2	48,881.357	45.1039	63.....	36,321.101	556,721.03	30,808.801	14.3278
9.....	89,012.610	4,056,383.0	48,850.192	44.5709	64.....	35,024.689	520,399.93	29,872.004	13.8581
10.....	88,103.977	3,967,370.4	48,822.871	44.0305	65.....	33,723.574	485,375.24	28,917.668	13.3928
11.....	87,207.235	3,879,266.4	48,798.447	43.4833	66.....	32,424.048	451,651.67	27,952.039	12.9295
12.....	86,318.757	3,792,059.2	48,773.407	42.9309	67.....	31,128.370	419,227.62	26,977.391	12.4677
13.....	85,435.059	3,705,740.4	48,744.349	42.3749	68.....	29,833.615	388,099.25	25,990.838	12.0088
14.....	84,551.948	3,620,305.4	48,707.130	41.8175	69.....	28,531.865	358,265.63	24,984.470	11.5567
15.....	83,667.082	3,535,753.4	48,659.412	41.2598	70.....	27,216.292	329,733.77	23,951.391	11.1153
16.....	82,779.880	3,452,086.3	48,600.597	40.7020	71.....	25,882.963	302,517.48	22,887.530	10.6879
17.....	81,890.611	3,369,306.4	48,530.931	40.1440	72.....	24,535.255	276,634.51	21,796.089	10.2750
18.....	80,999.544	3,287,415.8	48,450.662	39.5856	73.....	23,181.686	252,099.26	20,685.444	9.8749
19.....	80,106.945	3,206,416.3	48,360.038	39.0267	74.....	21,837.607	228,917.57	19,570.886	9.4827
20.....	79,211.492	3,126,309.3	48,257.724	38.4679	75.....	20,516.756	207,079.97	18,466.249	9.0932
21.....	78,313.500	3,047,097.9	48,144.004	37.9090	76.....	19,225.623	186,563.21	17,378.252	8.7039
22.....	77,411.732	2,968,784.4	48,017.617	37.3506	77.....	17,963.204	167,337.59	16,306.186	8.3156
23.....	76,508.084	2,891,372.6	47,880.422	36.7917	78.....	16,727.300	149,374.38	15,248.135	7.9300
24.....	75,605.137	2,814,864.5	47,734.981	36.2311	79.....	15,510.347	132,647.08	14,196.799	7.5522
25.....	74,705.361	2,739,259.4	47,583.771	35.6675	80.....	14,305.147	117,136.74	13,145.167	7.1884
26.....	73,808.157	2,664,554.0	47,426.224	35.1011	81.....	13,104.365	102,831.59	12,086.020	6.8471
27.....	72,912.959	2,590,745.9	47,261.799	34.5320	82.....	11,909.792	89,727.224	11,021.193	6.5339
28.....	72,020.678	2,517,832.9	47,091.429	33.9599	83.....	10,735.085	77,817.432	9,964.4052	6.2489
29.....	71,131.472	2,445,812.2	46,915.299	33.3844	84.....	9,609.0704	67,082.347	8,944.6784	5.9811
30.....	70,245.498	2,374,680.8	46,733.597	32.8055	85.....	8,557.9713	57,473.277	7,988.7186	5.7158
31.....	69,362.908	2,304,435.3	46,546.507	32.2229	86.....	7,587.3618	48,915.306	7,102.8415	5.4469
32.....	68,483.167	2,235,072.4	46,353.527	31.6368	87.....	6,687.5457	41,327.944	6,278.1478	5.1798
33.....	67,605.769	2,166,589.2	46,154.180	31.0474	88.....	5,855.1118	34,640.398	5,511.9272	4.9163
34.....	66,729.571	2,098,983.4	45,947.347	30.4551	89.....	5,085.1356	28,785.286	4,799.9225	4.6607
35.....	65,852.837	2,032,253.9	45,731.301	29.8605	90.....	4,374.9788	23,700.151	4,140.1135	4.4172
36.....	64,974.582	1,966,401.0	45,505.055	29.2642	91.....	3,726.4423	19,325.172	3,534.8937	4.1860
37.....	64,092.600	1,901,426.4	45,266.386	28.6669	92.....	3,140.3578	15,598.730	2,985.7046	3.9672
38.....	63,205.457	1,837,333.8	45,013.823	28.0692	93.....	2,614.0525	12,458.372	2,490.4920	3.7659
39.....	62,313.071	1,774,128.4	44,747.233	27.4712	94.....	2,145.4642	9,844.3192	2,047.7854	3.5884
40.....	61,414.159	1,711,815.3	44,465.282	26.8733	95.....	1,734.1511	7,698.8551	1,657.7145	3.4396
41.....	60,508.148	1,650,401.2	44,167.332	26.2757	96.....	1,380.0065	5,964.7040	1,320.7397	3.3222
42.....	59,592.738	1,589,893.0	43,851.012	25.6793	97.....	1,087.1309	4,584.6974	1,041.5275	3.2172
43.....	58,666.395	1,530,300.3	43,514.697	25.0848	98.....	848.25271	3,497.5665	813.41301	3.1233
44.....	57,725.990	1,471,633.9	43,155.147	24.4934	99.....	655.91771	2,649.3138	629.47655	3.0391
45.....	56,769.225	1,413,907.9	42,769.926	23.9062	100....	502.92003	1,993.3961	482.97311	2.9636
46.....	55,795.717	1,357,138.7	42,358.490	23.3233	101....	382.56778	1,490.4761	367.60027	2.8960
47.....	54,804.100	1,301,342.9	41,919.306	22.7454	102....	288.88034	1,107.9083	277.70062	2.8352
48.....	53,792.666	1,246,538.8	41,450.487	22.1730	103....	216.64882	819.02796	208.32930	2.7804
49.....	52,761.018	1,192,746.2	40,951.440	21.6066	104....	161.45270	602.37915	155.27822	2.7310
50.....	51,709.455	1,139,985.2	40,422.263	21.0460	105....	119.61727	440.92644	115.04133	2.6861
51.....	50,639.939	1,088,275.7	39,864.722	20.4905	106....	88.146085	321.30917	84.754477	2.6452
52.....	49,553.437	1,037,635.8	39,279.605	19.9397	107....	64.633772	233.16309	62.114897	2.6074
53.....	48,448.542	988,082.33	38,665.339	19.3945	108....	47.178174	168.52932	45.299237	2.5722
54.....	47,323.193	939,633.79	38,019.678	18.8557	109....	34.293861	121.35114	32.882035	2.5386

**TABLE 10B. ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,215,693.7	37,698.993	41.1569	55.....	35,192.695	639,885.93	25,736.139	17.1824
1.....	96,438.424	4,115,693.7	35,615.250	41.6769	56.....	34,131.020	604,693.23	25,194.553	16.7168
2.....	94,882.107	4,019,255.3	35,484.131	41.3605	57.....	33,063.375	570,562.21	24,631.307	16.2566
3.....	93,387.363	3,924,373.2	35,391.586	41.0225	58.....	31,991.666	537,498.84	24,048.219	15.8012
4.....	91,937.329	3,830,985.8	35,321.661	40.6695	59.....	30,917.817	505,507.17	23,447.154	15.3500
5.....	90,525.208	3,739,048.5	35,268.219	40.3039	60.....	29,842.852	474,589.35	22,829.102	14.9029
6.....	89,140.128	3,648,523.3	35,220.950	39.9302	61.....	28,766.745	444,746.50	22,194.023	14.4604
7.....	87,782.387	3,559,383.2	35,180.552	39.5478	62.....	27,688.630	415,979.76	21,541.032	14.0235
8.....	86,450.517	3,471,600.8	35,145.958	39.1571	63.....	26,610.001	388,291.13	20,871.594	13.5919
9.....	85,143.112	3,385,150.3	35,116.147	38.7584	64.....	25,533.803	361,681.13	20,188.648	13.1648
10.....	83,858.835	3,300,007.2	35,090.143	38.3519	65.....	24,464.151	336,147.32	19,496.342	12.7404
11.....	82,596.409	3,216,148.3	35,067.009	37.9381	66.....	23,405.564	311,683.17	18,799.295	12.3166
12.....	81,352.173	3,133,551.9	35,043.410	37.5184	67.....	22,359.578	288,277.61	18,099.203	11.8928
13.....	80,122.673	3,052,199.7	35,016.159	37.0941	68.....	21,323.988	265,918.03	17,394.050	11.4704
14.....	78,903.861	2,972,077.1	34,981.426	36.6671	69.....	20,293.083	244,594.04	16,678.279	11.0531
15.....	77,693.484	2,893,173.2	34,937.116	36.2383	70.....	19,262.035	224,300.96	15,947.128	10.6447
16.....	76,490.957	2,815,479.7	34,882.769	35.8080	71.....	18,228.147	205,038.93	15,197.901	10.2485
17.....	75,296.493	2,738,988.8	34,818.712	35.3760	72.....	17,193.902	186,810.78	14,433.037	9.8649
18.....	74,110.295	2,663,692.3	34,745.270	34.9423	73.....	16,165.317	169,616.88	13,658.550	9.4926
19.....	72,932.562	2,589,582.0	34,662.763	34.5065	74.....	15,153.034	153,451.56	12,885.163	9.1268
20.....	71,762.048	2,516,649.4	34,570.071	34.0694	75.....	14,166.370	138,298.53	12,122.435	8.7625
21.....	70,599.008	2,444,887.4	34,467.553	33.6306	76.....	13,209.477	124,132.16	11,374.897	8.3972
22.....	69,442.297	2,374,288.4	34,354.178	33.1908	77.....	12,281.299	110,922.68	10,641.934	8.0318
23.....	68,293.591	2,304,846.1	34,231.713	32.7491	78.....	11,379.985	98,641.380	9,922.1168	7.6680
24.....	67,155.140	2,236,552.5	34,102.527	32.3043	79.....	10,500.083	87,261.395	9,210.3912	7.3105
25.....	66,029.051	2,169,397.3	33,968.878	31.8552	80.....	9,636.4895	76,761.312	8,501.9719	6.9657
26.....	64,914.689	2,103,368.3	33,830.315	31.4020	81.....	8,784.1112	67,124.823	7,792.0047	6.6416
27.....	63,811.459	2,038,453.6	33,686.415	30.9449	82.....	7,944.0386	58,340.712	7,081.7466	6.3440
28.....	62,720.063	1,974,642.1	33,538.046	30.4834	83.....	7,125.2156	50,396.673	6,380.3232	6.0730
29.....	61,640.537	1,911,922.1	33,385.417	30.0173	84.....	6,346.4260	43,271.458	5,706.8323	5.8182
30.....	60,572.910	1,850,281.5	33,228.734	29.5464	85.....	5,624.3716	36,925.032	5,078.5674	5.5652
31.....	59,517.211	1,789,708.6	33,068.201	29.0704	86.....	4,961.9148	31,300.660	4,499.2295	5.3082
32.....	58,472.875	1,730,191.4	32,903.429	28.5896	87.....	4,351.9170	26,338.745	3,962.5605	5.0522
33.....	57,439.374	1,671,718.5	32,734.060	28.1041	88.....	3,791.4416	21,986.828	3,466.3991	4.7991
34.....	56,415.651	1,614,279.2	32,559.195	27.6140	89.....	3,276.6273	18,195.387	3,007.6160	4.5531
35.....	55,400.170	1,557,863.5	32,377.442	27.1202	90.....	2,805.1481	14,918.759	2,584.5598	4.3183
36.....	54,392.050	1,502,463.3	32,188.045	26.6228	91.....	2,377.5495	12,113.611	2,198.4166	4.0950
37.....	53,389.414	1,448,071.3	31,989.232	26.1228	92.....	1,993.7451	9,736.0616	1,849.7484	3.8833
38.....	52,391.059	1,394,681.9	31,779.883	25.6206	93.....	1,651.4299	7,742.3165	1,536.8974	3.6883
39.....	51,396.919	1,342,290.8	31,559.995	25.1162	94.....	1,348.7220	6,090.8866	1,258.5949	3.5160
40.....	50,405.946	1,290,893.9	31,328.582	24.6100	95.....	1,084.7844	4,742.1647	1,014.5891	3.3715
41.....	49,417.691	1,240,487.9	31,085.243	24.1021	96.....	858.99962	3,657.3803	804.83565	3.2577
42.....	48,430.311	1,191,070.3	30,828.174	23.5935	97.....	673.36260	2,798.3806	631.89321	3.1558
43.....	47,442.619	1,142,639.9	30,556.201	23.0847	98.....	522.81465	2,125.0180	491.29643	3.0646
44.....	46,452.167	1,095,197.3	30,266.871	22.5769	99.....	402.27883	1,602.2034	378.48693	2.9828
45.....	45,457.221	1,048,745.2	29,958.410	22.0710	100....	306.92488	1,199.9246	289.07799	2.9095
46.....	44,457.610	1,003,287.9	29,630.581	21.5673	101....	232.32550	892.99969	219.01445	2.8437
47.....	43,452.386	958,830.33	29,282.366	21.0662	102....	174.56686	660.67419	164.68919	2.7846
48.....	42,440.352	915,377.94	28,912.486	20.5686	103....	130.27332	486.10732	122.97545	2.7314
49.....	41,421.366	872,937.59	28,520.696	20.0746	104....	96.605044	355.83401	91.232398	2.6834
50.....	40,395.830	831,516.22	28,107.299	19.5842	105....	71.220284	259.22896	67.275299	2.6398
51.....	39,365.438	791,120.39	27,673.889	19.0968	106....	52.223764	188.00868	49.331296	2.6001
52.....	38,331.077	751,754.95	27,221.284	18.6122	107....	38.104825	135.78491	35.984137	2.5635
53.....	37,291.795	713,423.88	26,748.471	18.1309	108....	27.676867	97.680089	26.119304	2.5293
54.....	36,246.155	676,132.08	26,253.941	17.6539	109....	20.019237	70.003222	18.870692	2.4968

**TABLE 10C. ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,668,766.3	28,063.344	35.6877	55.....	26,858.107	460,624.17	17,826.199	16.1503
1.....	95,965.686	3,568,766.3	25,989.815	36.1879	56.....	25,920.180	433,766.06	17,414.901	15.7347
2.....	93,954.170	3,472,800.6	25,859.979	35.9627	57.....	24,986.291	407,845.88	16,989.251	15.3228
3.....	92,020.741	3,378,846.4	25,768.788	35.7183	58.....	24,057.879	382,859.59	16,550.766	14.9141
4.....	90,147.848	3,286,825.7	25,700.224	35.4604	59.....	23,136.368	358,801.71	16,100.978	14.5081
5.....	88,328.099	3,196,677.8	25,648.079	35.1909	60.....	22,222.481	335,665.34	15,640.746	14.1048
6.....	86,550.279	3,108,349.7	25,602.184	34.9138	61.....	21,316.153	313,442.86	15,170.152	13.7045
7.....	84,814.183	3,021,799.4	25,563.151	34.6285	62.....	20,416.695	292,126.70	14,688.658	13.3082
8.....	83,117.899	2,936,985.3	25,529.891	34.3352	63.....	19,525.166	271,710.01	14,197.457	12.9159
9.....	81,459.615	2,853,867.4	25,501.370	34.0341	64.....	18,643.662	252,184.84	13,698.799	12.5266
10.....	79,837.611	2,772,407.8	25,476.612	33.7256	65.....	17,775.087	233,541.18	13,195.786	12.1387
11.....	78,250.251	2,692,570.1	25,454.696	33.4097	66.....	16,922.580	215,766.10	12,691.810	11.7502
12.....	76,693.685	2,614,319.9	25,432.449	33.0878	67.....	16,087.069	198,843.52	12,188.114	11.3605
13.....	75,164.323	2,537,626.2	25,406.884	32.7610	68.....	15,266.786	182,756.45	11,683.264	10.9709
14.....	73,658.088	2,462,461.9	25,374.460	32.4310	69.....	14,457.497	167,489.66	11,173.324	10.5850
15.....	72,172.650	2,388,803.8	25,333.298	32.0985	70.....	13,655.672	153,032.17	10,654.980	10.2065
16.....	70,707.263	2,316,631.1	25,283.060	31.7637	71.....	12,859.359	139,376.49	10,126.425	9.8385
17.....	69,261.923	2,245,923.9	25,224.138	31.4265	72.....	12,070.274	126,517.13	9,589.4836	9.4817
18.....	67,836.621	2,176,662.0	25,156.913	31.0868	73.....	11,292.569	114,446.86	9,048.4514	9.1347
19.....	66,431.339	2,108,825.3	25,081.761	30.7444	74.....	10,533.532	103,154.29	8,510.8365	8.7929
20.....	65,044.748	2,042,394.0	24,997.745	30.3998	75.....	9,799.3858	92,620.758	7,983.2305	8.4517
21.....	63,676.895	1,977,349.2	24,905.279	30.0529	76.....	9,092.6771	82,821.373	7,468.6667	8.1086
22.....	62,326.570	1,913,672.4	24,803.521	29.7040	77.....	8,412.3309	73,728.696	6,966.6083	7.7644
23.....	60,995.103	1,851,345.8	24,694.144	29.3524	78.....	7,756.7464	65,316.365	6,475.9714	7.4206
24.....	59,684.307	1,790,350.7	24,579.329	28.9970	79.....	7,121.9100	57,559.618	5,993.2280	7.0820
25.....	58,395.828	1,730,666.4	24,461.131	28.6368	80.....	6,504.1192	50,437.708	5,515.0825	6.7547
26.....	57,128.867	1,672,270.5	24,339.187	28.2719	81.....	5,899.7462	43,933.589	5,038.2413	6.4467
27.....	55,882.674	1,615,141.7	24,213.167	27.9024	82.....	5,309.3667	38,033.843	4,563.5431	6.1635
28.....	54,657.638	1,559,259.0	24,083.870	27.5277	83.....	4,738.7660	32,724.476	4,097.0476	5.9057
29.....	53,453.563	1,504,601.4	23,951.513	27.1478	84.....	4,200.1262	27,985.710	3,651.3248	5.6631
30.....	52,270.247	1,451,147.8	23,816.307	26.7624	85.....	3,704.0172	23,785.584	3,237.5712	5.4216
31.....	51,107.491	1,398,877.6	23,678.457	26.3713	86.....	3,251.7277	20,081.567	2,857.9095	5.1757
32.....	49,964.587	1,347,770.1	23,537.661	25.9745	87.....	2,837.9931	16,829.839	2,507.9343	4.9302
33.....	48,840.873	1,297,805.5	23,393.645	25.5721	88.....	2,460.3731	13,991.846	2,185.9612	4.6869
34.....	47,735.250	1,248,964.6	23,245.686	25.1644	89.....	2,115.8726	11,531.473	1,889.7033	4.4500
35.....	46,646.231	1,201,229.4	23,092.652	24.7519	90.....	1,802.5368	9,415.6001	1,617.8552	4.2235
36.....	45,572.911	1,154,583.1	22,933.964	24.3349	91.....	1,520.2807	7,613.0633	1,370.9430	4.0077
37.....	44,513.564	1,109,010.2	22,768.204	23.9140	92.....	1,268.6147	6,092.7825	1,149.0863	3.8027
38.....	43,467.059	1,064,496.7	22,594.513	23.4897	93.....	1,045.6494	4,824.1679	950.99589	3.6136
39.....	42,433.225	1,021,029.6	22,412.974	23.0620	94.....	849.79517	3,778.5185	775.64458	3.4464
40.....	41,411.083	978,596.37	22,222.857	22.6313	95.....	680.14440	2,928.7233	622.65646	3.3060
41.....	40,400.165	937,185.28	22,023.921	22.1976	96.....	535.94045	2,248.5789	491.78868	3.1956
42.....	39,398.875	896,785.12	21,814.791	21.7617	97.....	418.05982	1,712.6385	384.41668	3.0966
43.....	38,406.178	857,386.24	21,594.621	21.3242	98.....	323.00040	1,294.5786	297.55451	3.0080
44.....	37,420.043	818,980.07	21,361.548	20.8861	99.....	247.31380	971.57825	228.20126	2.9285
45.....	36,439.051	781,560.02	21,114.282	20.4484	100....	187.76694	724.26445	173.50369	2.8573
46.....	35,463.056	745,120.97	20,852.779	20.0112	101....	141.43269	536.49750	130.85114	2.7933
47.....	34,491.298	709,657.92	20,576.375	19.5750	102....	105.75005	395.06482	97.941694	2.7358
48.....	33,522.837	675,166.62	20,284.214	19.1405	103....	78.530819	289.31476	72.795990	2.6841
49.....	32,557.576	641,643.78	19,976.264	18.7080	104....	57.949585	210.78394	53.754576	2.6374
50.....	31,595.851	609,086.21	19,652.922	18.2774	105....	42.512838	152.83436	39.454095	2.5950
51.....	30,638.992	577,490.35	19,315.590	17.8482	106....	31.020618	110.32152	28.795460	2.5564
52.....	29,687.682	546,851.36	18,965.044	17.4201	107....	22.523097	79.300900	20.906187	2.5209
53.....	28,741.169	517,163.68	18,600.642	16.9938	108....	16.279121	56.777803	15.103839	2.4878
54.....	27,798.346	488,422.51	18,221.372	16.5702	109....	11.717296	40.498682	10.861213	2.4563

**TABLE 10D. ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,870,246.9	16,400.559	27.7025	55.....	15,704.984	241,312.71	8,676.4400	14.3654
1.....	95,033.981	2,770,246.9	14,347.160	28.1501	56.....	15,009.390	225,607.72	8,438.2731	14.0311
2.....	92,138.673	2,675,212.9	14,219.833	28.0346	57.....	14,328.139	210,598.33	8,194.1884	13.6982
3.....	89,366.462	2,583,074.2	14,131.273	27.9043	58.....	13,661.811	196,270.19	7,945.1848	13.3663
4.....	86,697.615	2,493,707.7	14,065.333	27.7633	59.....	13,010.952	182,608.38	7,692.2423	13.0350
5.....	84,122.780	2,407,010.1	14,015.671	27.6131	60.....	12,375.689	169,597.43	7,435.9392	12.7041
6.....	81,629.316	2,322,887.3	13,972.384	27.4565	61.....	11,755.703	157,221.74	7,176.4102	12.3741
7.....	79,215.307	2,241,258.0	13,935.929	27.2932	62.....	11,150.341	145,466.04	6,913.4477	12.0459
8.....	76,877.302	2,162,042.7	13,905.165	27.1233	63.....	10,559.914	134,315.70	6,647.7881	11.7194
9.....	74,612.034	2,085,165.4	13,879.042	26.9468	64.....	9,985.2704	123,755.78	6,380.7146	11.3938
10.....	72,416.412	2,010,553.4	13,856.586	26.7638	65.....	9,427.6464	113,770.51	6,113.9236	11.0678
11.....	70,287.510	1,938,137.0	13,836.900	26.5744	66.....	8,888.3484	104,342.87	5,849.2173	10.7393
12.....	68,220.511	1,867,849.5	13,817.110	26.3796	67.....	8,367.4739	95,454.518	5,587.2268	10.4078
13.....	66,210.987	1,799,629.0	13,794.591	26.1802	68.....	7,863.7195	87,087.044	5,327.1852	10.0745
14.....	64,254.227	1,733,418.0	13,766.307	25.9775	69.....	7,374.5656	79,223.325	5,067.0717	9.7428
15.....	62,347.186	1,669,163.7	13,730.748	25.7721	70.....	6,897.9396	71,848.759	4,805.2388	9.4160
16.....	60,488.272	1,606,816.6	13,687.771	25.5641	71.....	6,432.6300	64,950.820	4,540.8401	9.0971
17.....	58,676.560	1,546,328.3	13,637.854	25.3534	72.....	5,979.2857	58,518.190	4,274.8539	8.7868
18.....	56,911.136	1,487,651.7	13,581.456	25.1399	73.....	5,539.7212	52,538.904	4,009.4433	8.4840
19.....	55,191.094	1,430,740.6	13,519.019	24.9234	74.....	5,117.1964	46,999.183	3,748.2697	8.1846
20.....	53,514.463	1,375,549.5	13,449.897	24.7043	75.....	4,714.3290	41,881.986	3,494.4468	7.8840
21.....	51,880.454	1,322,035.0	13,374.561	24.4823	76.....	4,331.8733	37,167.657	3,249.3017	7.5800
22.....	50,287.270	1,270,154.6	13,292.459	24.2580	77.....	3,968.8371	32,835.784	3,012.4365	7.2734
23.....	48,735.200	1,219,867.3	13,205.066	24.0305	78.....	3,624.0107	28,866.947	2,783.2073	6.9655
24.....	47,224.882	1,171,132.1	13,114.220	23.7990	79.....	3,295.1053	25,242.936	2,559.8557	6.6607
25.....	45,756.784	1,123,907.2	13,021.604	23.5626	80.....	2,980.0548	21,947.831	2,340.7791	6.3649
26.....	44,329.439	1,078,150.4	12,926.981	23.3213	81.....	2,676.8994	18,967.776	2,124.4214	6.0857
27.....	42,941.454	1,033,821.0	12,830.145	23.0751	82.....	2,385.6371	16,290.877	1,911.1271	5.8287
28.....	41,592.342	990,879.54	12,731.755	22.8236	83.....	2,108.5790	13,905.240	1,703.5535	5.5946
29.....	40,281.174	949,287.20	12,632.014	22.5665	84.....	1,850.7591	11,796.661	1,507.1486	5.3740
30.....	39,007.037	909,006.03	12,531.115	22.3036	85.....	1,616.3057	9,945.9017	1,326.6007	5.1535
31.....	37,769.037	869,998.99	12,429.243	22.0347	86.....	1,405.1659	8,329.5960	1,162.5378	4.9278
32.....	36,565.929	832,229.95	12,326.203	21.7597	87.....	1,214.4726	6,924.4301	1,012.7717	4.7016
33.....	35,396.529	795,664.02	12,221.830	21.4786	88.....	1,042.6542	5,709.9575	876.32631	4.4764
34.....	34,259.372	760,267.49	12,115.640	21.1915	89.....	887.95674	4,667.3032	751.99738	4.2562
35.....	33,152.761	726,008.12	12,006.875	20.8989	90.....	749.11651	3,779.3465	639.01997	4.0451
36.....	32,075.458	692,855.36	11,895.186	20.6008	91.....	625.67957	3,030.2300	537.40195	3.8431
37.....	31,025.687	660,779.90	11,779.652	20.2978	92.....	517.03608	2,404.5504	446.98214	3.6506
38.....	30,002.141	629,754.21	11,659.766	19.9903	93.....	422.02694	1,887.5143	367.03230	3.4725
39.....	29,004.205	599,752.07	11,535.680	19.6781	94.....	339.64974	1,465.4874	296.94715	3.3147
40.....	28,030.734	570,747.87	11,406.991	19.3615	95.....	269.20374	1,125.8376	236.39387	3.1821
41.....	27,080.955	542,717.14	11,273.641	19.0405	96.....	210.06778	856.63389	185.09879	3.0779
42.....	26,153.366	515,636.18	11,134.818	18.7159	97.....	162.27226	646.56611	143.42175	2.9845
43.....	25,246.886	489,482.81	10,990.086	18.3878	98.....	124.15719	484.29384	110.03305	2.9007
44.....	24,359.813	464,235.93	10,838.360	18.0575	99.....	94.141284	360.13666	83.633377	2.8255
45.....	23,490.901	439,876.12	10,678.957	17.7254	100....	70.780535	265.99537	63.014607	2.7580
46.....	22,639.755	416,385.21	10,512.012	17.3918	101....	52.796782	195.21484	47.092423	2.6975
47.....	21,805.601	393,745.46	10,337.268	17.0571	102....	39.093198	142.41806	34.926609	2.6430
48.....	20,987.573	371,939.86	10,154.355	16.7219	103....	28.749062	103.32486	25.721110	2.5940
49.....	20,185.359	350,952.29	9,963.4291	16.3865	104....	21.008586	74.575796	18.817986	2.5498
50.....	19,398.914	330,766.93	9,764.9071	16.0508	105....	15.262636	53.567209	13.683936	2.5097
51.....	18,628.796	311,368.01	9,559.8059	15.7143	106....	11.028662	38.304574	9.8945050	2.4732
52.....	17,875.143	292,739.22	9,348.7399	15.3769	107....	7.9298222	27.275911	7.1168883	2.4397
53.....	17,137.230	274,864.07	9,131.4614	15.0390	108....	5.6758280	19.346089	5.0938598	2.4085
54.....	16,414.138	257,726.84	8,907.5128	14.7015	109....	4.0456530	13.670261	3.6290002	2.3790



**TABLE 10E. ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,330,369.9	10,370.382	22.3037	55.....	9,231.0519	128,168.34	4,301.4946	12.8845
1.....	94,120.192	2,230,369.9	8,336.7281	22.6970	56.....	8,737.3681	118,937.29	4,162.8513	12.6125
2.....	90,375.295	2,136,249.7	8,211.8378	22.6375	57.....	8,260.5935	110,199.92	4,022.1293	12.3404
3.....	86,813.291	2,045,874.4	8,125.8075	22.5664	58.....	7,800.7008	101,939.33	3,879.9518	12.0680
4.....	83,410.878	1,959,061.1	8,062.3670	22.4869	59.....	7,357.6360	94,138.630	3,736.9139	11.7947
5.....	80,155.448	1,875,650.3	8,015.0474	22.4002	60.....	6,931.1054	86,780.994	3,593.3693	11.5205
6.....	77,031.698	1,795,494.8	7,974.1989	22.3085	61.....	6,520.5707	79,849.888	3,449.4155	11.2458
7.....	74,034.868	1,718,463.1	7,940.1272	22.2115	62.....	6,125.3238	73,329.318	3,304.9598	10.9715
8.....	71,158.898	1,644,428.3	7,911.6523	22.1092	63.....	5,745.2003	67,203.994	3,160.4257	10.6974
9.....	68,398.070	1,573,269.4	7,887.7046	22.0017	64.....	5,380.3248	61,458.794	3,016.5195	10.4229
10.....	65,746.987	1,504,871.3	7,867.3167	21.8888	65.....	5,031.0176	56,078.469	2,874.1478	10.1465
11.....	63,200.556	1,439,124.3	7,849.6156	21.7708	66.....	4,697.6159	51,047.451	2,734.2468	9.8667
12.....	60,752.142	1,375,923.7	7,831.9923	21.6482	67.....	4,379.8042	46,349.835	2,597.1126	9.5826
13.....	58,395.660	1,315,171.6	7,812.1311	21.5217	68.....	4,076.5448	41,970.031	2,462.3073	9.2955
14.....	56,124.967	1,256,775.9	7,787.4252	21.3925	69.....	3,786.2086	37,893.486	2,328.7612	9.0083
15.....	53,935.554	1,200,651.0	7,756.6644	21.2608	70.....	3,507.4490	34,107.278	2,195.6250	8.7242
16.....	51,824.288	1,146,715.4	7,719.8430	21.1270	71.....	3,239.3989	30,599.829	2,062.4769	8.4461
17.....	49,788.690	1,094,891.1	7,677.4866	20.9908	72.....	2,982.1471	27,360.430	1,929.8173	8.1747
18.....	47,826.345	1,045,102.4	7,630.0916	20.8520	73.....	2,736.3493	24,378.283	1,798.7175	7.9091
19.....	45,934.905	997,276.10	7,578.1265	20.7106	74.....	2,503.3387	21,641.933	1,670.9510	7.6452
20.....	44,111.201	951,341.19	7,521.1495	20.5669	75.....	2,284.0799	19,138.595	1,547.9745	7.3791
21.....	42,353.115	907,229.99	7,459.6483	20.4206	76.....	2,078.6005	16,854.515	1,430.3444	7.1086
22.....	40,657.769	864,876.88	7,393.2679	20.2721	77.....	1,886.0902	14,775.914	1,317.7802	6.8342
23.....	39,024.030	824,219.11	7,323.2897	20.1208	78.....	1,705.6602	12,889.824	1,209.8922	6.5571
24.....	37,451.062	785,195.08	7,251.2453	19.9659	79.....	1,535.9471	11,184.164	1,105.7813	6.2816
25.....	35,937.895	747,744.02	7,178.5038	19.8066	80.....	1,375.7360	9,648.2169	1,004.6451	6.0131
26.....	34,482.064	711,806.12	7,104.9003	19.6428	81.....	1,223.9023	8,272.4810	905.72441	5.7591
27.....	33,081.231	677,324.06	7,030.2996	19.4746	82.....	1,080.2468	7,048.5786	809.14204	5.5250
28.....	31,733.807	644,242.83	6,955.2307	19.3015	83.....	945.61065	5,968.3318	716.05385	5.3116
29.....	30,437.908	612,509.02	6,879.8629	19.1232	84.....	822.00843	5,022.7212	628.82126	5.1103
30.....	29,191.710	582,071.11	6,804.3535	18.9396	85.....	710.97406	4,200.7127	549.40260	4.9084
31.....	27,993.446	552,879.40	6,728.8480	18.7503	86.....	612.15550	3,489.7387	477.92920	4.7007
32.....	26,841.139	524,885.96	6,653.2119	18.5553	87.....	523.99334	2,877.5832	413.31148	4.4916
33.....	25,732.910	498,044.82	6,577.3340	18.3544	88.....	445.53541	2,353.5898	355.00715	4.2826
34.....	24,666.726	472,311.91	6,500.8776	18.1477	89.....	375.78342	1,908.0544	302.39113	4.0775
35.....	23,640.448	447,645.18	6,423.3197	17.9356	90.....	313.97788	1,532.2710	255.03880	3.8802
36.....	22,652.322	424,004.74	6,344.4424	17.7179	91.....	259.72009	1,218.2931	212.85708	3.6908
37.....	21,700.271	401,352.41	6,263.6346	17.4953	92.....	212.55842	958.57305	175.68464	3.5097
38.....	20,782.600	379,652.14	6,180.5894	17.2678	93.....	171.83100	746.01463	143.13255	3.3416
39.....	19,898.141	358,869.54	6,095.4606	17.0353	94.....	136.96087	574.18363	114.87131	3.1923
40.....	19,045.391	338,971.40	6,008.0236	16.7981	95.....	107.51033	437.22276	90.688494	3.0668
41.....	18,223.143	319,926.01	5,918.2905	16.5560	96.....	83.086880	329.71242	70.400053	2.9683
42.....	17,429.735	301,702.87	5,825.7730	16.3097	97.....	63.565458	246.62554	54.074280	2.8799
43.....	16,663.832	284,273.13	5,730.2447	16.0593	98.....	48.167337	183.06009	41.120985	2.8005
44.....	15,923.734	267,609.30	5,631.0628	15.8057	99.....	36.171354	134.89275	30.977592	2.7293
45.....	15,208.084	251,685.57	5,527.8648	15.5495	100....	26.934095	98.721394	23.131538	2.6653
46.....	14,516.117	236,477.48	5,420.8233	15.2907	101....	19.897563	71.787299	17.130933	2.6078
47.....	13,846.840	221,961.36	5,309.8587	15.0297	102....	14.591418	51.889737	12.590079	2.5562
48.....	13,199.234	208,114.52	5,194.8234	14.7672	103....	10.627323	37.298319	9.1871923	2.5097
49.....	12,572.651	194,915.29	5,075.9034	14.5031	104....	7.6913205	26.670996	6.6599332	2.4677
50.....	11,966.625	182,342.64	4,953.4410	14.2376	105....	5.5339790	18.979675	4.7984118	2.4297
51.....	11,381.066	170,376.02	4,828.1366	13.9701	106....	3.9603602	13.445696	3.4376382	2.3951
52.....	10,815.624	158,994.95	4,700.4279	13.7005	107....	2.8201953	9.4853360	2.4497949	2.3634
53.....	10,269.435	148,179.33	4,570.2244	13.4292	108....	1.9991660	6.6651406	1.7372346	2.3340
54.....	9,741.5464	137,909.89	4,437.3142	13.1569	109....	1.4112766	4.6659747	1.2262363	2.3062

**TABLE 10F. ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	$D_x$	$N_x$	$M_x$	$a_x$	x	$D_x$	$N_x$	$M_x$	$a_x$
0.....	100,000.00	1,950,274.9	7,129.7630	18.5027	55.....	5,453.4760	68,951.794	2,170.0555	11.6436
1.....	93,223.810	1,850,274.9	5,115.4773	18.8477	56.....	5,112.6597	63,498.318	2,088.9286	11.4198
2.....	88,662.058	1,757,051.1	4,992.9545	18.8174	57.....	4,787.6406	58,385.658	2,007.3695	11.1951
3.....	84,356.459	1,668,389.1	4,909.3589	18.7778	58.....	4,478.0399	53,598.017	1,925.7516	10.9691
4.....	80,278.427	1,584,032.6	4,848.3009	18.7317	59.....	4,183.4701	49,119.977	1,844.4219	10.7414
5.....	76,410.536	1,503,754.2	4,803.1920	18.6799	60.....	3,903.4167	44,936.507	1,763.5813	10.5121
6.....	72,733.370	1,427,343.7	4,764.6229	18.6243	61.....	3,637.2408	41,033.091	1,683.2825	10.2814
7.....	69,238.012	1,354,610.3	4,732.7588	18.5645	62.....	3,384.2274	37,395.850	1,603.4710	10.0500
8.....	65,914.587	1,285,372.3	4,706.3824	18.5006	63.....	3,143.9795	34,011.622	1,524.3768	9.8180
9.....	62,753.826	1,219,457.7	4,684.4108	18.4324	64.....	2,916.2656	30,867.643	1,446.3761	9.5846
10.....	59,747.021	1,156,703.9	4,665.8835	18.3600	65.....	2,700.9619	27,951.377	1,369.9422	9.3487
11.....	56,885.992	1,096,956.8	4,649.9510	18.2834	66.....	2,497.9524	25,250.415	1,295.5500	9.1084
12.....	54,161.424	1,040,070.8	4,634.2396	18.2032	67.....	2,306.7758	22,752.463	1,223.3235	8.8633
13.....	51,564.771	985,909.42	4,616.7016	18.1198	68.....	2,126.6056	20,445.687	1,152.9998	8.6142
14.....	49,087.698	934,344.65	4,595.0935	18.0342	69.....	1,956.3354	18,319.081	1,083.9965	8.3640
15.....	46,723.541	885,256.95	4,568.4459	17.9467	70.....	1,795.0402	16,362.746	1,015.8601	8.1155
16.....	44,467.016	838,533.41	4,536.8519	17.8574	71.....	1,642.0686	14,567.706	948.36661	7.8716
17.....	42,313.542	794,066.39	4,500.8548	17.7662	72.....	1,497.2694	12,925.637	881.76118	7.6328
18.....	40,258.716	751,752.85	4,460.9592	17.6730	73.....	1,360.7755	11,428.368	816.56579	7.3984
19.....	38,298.308	711,494.14	4,417.6331	17.5777	74.....	1,233.0440	10,067.592	753.63316	7.1648
20.....	36,427.527	673,195.83	4,370.5809	17.4804	75.....	1,114.3312	8,834.5483	693.63676	6.9281
21.....	34,642.578	636,768.30	4,320.2763	17.3811	76.....	1,004.4263	7,720.2171	636.79526	6.6862
22.....	32,939.153	602,125.72	4,266.4978	17.2799	77.....	902.72100	6,715.7907	582.91974	6.4395
23.....	31,314.468	569,186.57	4,210.3444	17.1765	78.....	808.58870	5,813.0697	531.77415	6.1892
24.....	29,766.043	537,872.10	4,153.0836	17.0700	79.....	721.19951	5,004.4810	482.88919	5.9391
25.....	28,291.348	508,106.06	4,095.8194	16.9598	80.....	639.82073	4,283.2815	435.85324	5.6945
26.....	26,886.750	479,814.71	4,038.4284	16.8458	81.....	563.78565	3,643.4608	390.28582	5.4625
27.....	25,548.814	452,927.96	3,980.8139	16.7279	82.....	492.87216	3,079.6751	346.21926	5.2484
28.....	24,274.780	427,379.15	3,923.3899	16.6059	83.....	427.33424	2,586.8030	304.15144	5.0533
29.....	23,061.734	403,104.37	3,866.2864	16.4794	84.....	367.93885	2,159.4687	265.10530	4.8691
30.....	21,906.890	380,042.63	3,809.6204	16.3481	85.....	315.20796	1,791.5299	229.89531	4.6836
31.....	20,807.582	358,135.74	3,753.4971	16.2118	86.....	268.81235	1,476.3219	198.50960	4.4920
32.....	19,761.060	337,328.16	3,697.8120	16.0703	87.....	227.90679	1,207.5096	170.40463	4.2983
33.....	18,764.726	317,567.10	3,642.4811	15.9236	88.....	191.93659	979.60279	145.28713	4.1038
34.....	17,815.945	298,802.38	3,587.2591	15.7716	89.....	160.34565	787.66621	122.83603	3.9123
35.....	16,912.083	280,986.43	3,531.7752	15.6145	90.....	132.69748	627.32055	102.82337	3.7274
36.....	16,050.855	264,074.35	3,475.8848	15.4524	91.....	108.72094	494.62307	85.165759	3.5495
37.....	15,229.816	248,023.49	3,419.1718	15.2854	92.....	88.131266	385.90213	69.753271	3.3787
38.....	14,446.858	232,793.68	3,361.4435	15.1138	93.....	70.566285	297.77086	56.385017	3.2197
39.....	13,700.300	218,346.82	3,302.8305	14.9374	94.....	55.710402	227.20458	44.889433	3.0783
40.....	12,988.276	204,646.52	3,243.2016	14.7563	95.....	43.314572	171.49418	35.146480	2.9593
41.....	12,309.174	191,658.24	3,182.5897	14.5704	96.....	33.155861	128.17960	27.050367	2.8660
42.....	11,661.126	179,349.07	3,120.6921	14.3801	97.....	25.124249	95.023743	20.597605	2.7822
43.....	11,042.531	167,687.94	3,057.3889	14.1856	98.....	18.856825	69.899494	15.526575	2.7069
44.....	10,451.598	156,645.41	2,992.2905	13.9877	99.....	14.025707	51.042669	11.593400	2.6392
45.....	9,886.8131	146,193.81	2,925.2012	13.7867	100....	10.344426	37.016962	8.5800105	2.5784
46.....	9,347.0873	136,307.00	2,856.2760	13.5828	101....	7.5691645	26.672536	6.2973405	2.5238
47.....	8,831.2171	126,959.91	2,785.5052	13.3763	102....	5.4978085	19.103371	4.5864209	2.4747
48.....	8,338.0146	118,128.70	2,712.8369	13.1675	103....	3.9660667	13.605563	3.3164795	2.4305
49.....	7,866.5595	109,790.68	2,638.4300	12.9566	104....	2.8430277	9.6394960	2.3823008	2.3906
50.....	7,416.0678	101,924.12	2,562.5365	12.7437	105....	2.0261040	6.7964683	1.7007594	2.3545
51.....	6,986.0065	94,508.055	2,485.6212	12.5282	106....	1.4361604	4.7703643	1.2072970	2.3216
52.....	6,575.6951	87,522.049	2,407.9768	12.3099	107....	1.0129581	3.3342039	.8524833	2.2916
53.....	6,184.1594	80,946.354	2,329.5694	12.0893	108....	.7112220	2.3212457	.5989833	2.2637
54.....	5,810.4006	74,762.194	2,250.2944	11.8670	109....	.4972932	1.6100237	.4189222	2.2376

**TABLE 10G. ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,672,760.0	5,315.4693	15.7276	55.....	3,237.8913	37,540.909	1,112.9337	10.5942
1.....	92,344.340	1,572,760.0	3,320.1863	16.0315	56.....	3,006.9014	34,303.018	1,065.2206	10.4081
2.....	86,997.080	1,480,415.7	3,199.9644	16.0168	57.....	2,789.1847	31,296.116	1,017.7059	10.2205
3.....	81,991.465	1,393,418.6	3,118.7124	15.9947	58.....	2,584.2059	28,506.932	970.60549	10.0312
4.....	77,291.652	1,311,427.1	3,059.9261	15.9673	59.....	2,391.4388	25,922.726	924.11416	9.8398
5.....	72,873.632	1,234,135.5	3,016.9053	15.9353	60.....	2,210.2986	23,531.287	878.33841	9.6462
6.....	68,712.273	1,161,261.9	2,980.4685	15.9004	61.....	2,040.1473	21,320.988	833.29837	9.4507
7.....	64,793.080	1,092,549.6	2,950.6499	15.8621	62.....	1,880.3229	19,280.841	788.95403	9.2540
8.....	61,101.097	1,027,756.5	2,926.1997	15.8206	63.....	1,730.3583	17,400.518	745.42279	9.0560
9.....	57,622.370	966,655.41	2,906.0248	15.7757	64.....	1,589.8891	15,670.160	702.89841	8.8561
10.....	54,343.874	909,033.05	2,889.1730	15.7274	65.....	1,458.6183	14,080.271	661.62129	8.6532
11.....	51,253.451	854,689.17	2,874.8180	15.6757	66.....	1,336.2595	12,621.652	621.82578	8.4455
12.....	48,338.290	803,435.72	2,860.7958	15.6211	67.....	1,222.3496	11,285.393	583.55330	8.2325
13.....	45,586.656	755,097.43	2,845.2911	15.5640	68.....	1,116.2474	10,063.043	546.64064	8.0151
14.....	42,987.356	709,510.77	2,826.3683	15.5051	69.....	1,017.1857	8,946.7959	510.76277	7.7956
15.....	40,530.994	666,523.42	2,803.2525	15.4448	70.....	924.51624	7,929.6102	475.66986	7.5770
16.....	38,209.638	625,992.42	2,776.1044	15.3831	71.....	837.75127	7,005.0939	441.23599	7.3618
17.....	36,016.189	587,782.79	2,745.4646	15.3200	72.....	756.67117	6,167.3427	407.57578	7.1506
18.....	33,943.899	551,766.60	2,711.8268	15.2553	73.....	681.20393	5,410.6715	374.93898	6.9428
19.....	31,986.361	517,822.70	2,675.6413	15.1889	74.....	611.43836	4,729.4676	343.73213	6.7350
20.....	30,136.885	485,836.34	2,636.7145	15.1210	75.....	547.35847	4,118.0292	314.26195	6.5235
21.....	28,389.799	455,699.45	2,595.4896	15.0515	76.....	488.71882	3,570.6707	286.60486	6.3062
22.....	26,739.173	427,309.65	2,551.8335	14.9807	77.....	435.08885	3,081.9519	260.63821	6.0835
23.....	25,180.481	400,570.48	2,506.6797	14.9080	78.....	386.04284	2,646.8631	236.21988	5.8564
24.....	23,709.561	375,390.00	2,461.0697	14.8329	79.....	341.07249	2,260.8202	213.10101	5.6286
25.....	22,322.328	351,680.44	2,415.8874	14.7546	80.....	299.73193	1,919.7477	191.06644	5.4049
26.....	21,013.945	329,358.11	2,371.0321	14.6733	81.....	261.62073	1,620.0158	169.92120	5.1922
27.....	19,779.871	308,344.17	2,326.4270	14.5888	82.....	226.55615	1,358.3951	149.66534	4.9958
28.....	18,616.217	288,564.30	2,282.3888	14.5007	83.....	194.57754	1,131.8389	130.51066	4.8169
29.....	17,519.090	269,948.08	2,239.0095	14.4088	84.....	165.95261	937.26138	112.89955	4.6478
30.....	16,484.803	252,428.99	2,196.3687	14.3128	85.....	140.82801	771.30876	97.168499	4.4770
31.....	15,509.866	235,944.19	2,154.5347	14.2125	86.....	118.96646	630.48075	83.278340	4.2997
32.....	14,590.834	220,434.32	2,113.4189	14.1077	87.....	99.911621	511.51430	70.957456	4.1197
33.....	13,724.469	205,843.49	2,072.9500	13.9983	88.....	83.348913	411.60268	60.050123	3.9383
34.....	12,907.604	192,119.02	2,032.9419	13.8842	89.....	68.973585	328.25376	50.392657	3.7591
35.....	12,137.166	179,211.41	1,993.1231	13.7655	90.....	56.542072	259.28018	41.865310	3.5856
36.....	11,410.424	167,074.25	1,953.3911	13.6422	91.....	45.888692	202.73811	34.412425	3.4180
37.....	10,724.615	155,663.82	1,913.4546	13.5146	92.....	36.847321	156.84941	27.968527	3.2567
38.....	10,077.293	144,939.21	1,873.1867	13.3828	93.....	29.225140	120.00209	22.432043	3.1061
39.....	9,466.3812	134,861.91	1,832.6874	13.2464	94.....	22.854887	90.776952	17.716043	2.9719
40.....	8,889.7357	125,395.53	1,791.8748	13.1057	95.....	17.601928	67.922065	13.756757	2.8588
41.....	8,345.4490	116,505.80	1,750.7807	12.9604	96.....	13.346579	50.320137	10.497744	2.7703
42.....	7,831.4954	108,160.35	1,709.2109	12.8109	97.....	10.018118	36.973558	7.9247497	2.6907
43.....	7,346.0904	100,328.85	1,667.0982	12.6574	98.....	7.4480930	26.955440	5.9217876	2.6191
44.....	6,887.3756	92,982.763	1,624.1998	12.5005	99.....	5.4876285	19.507347	4.3829132	2.5548
45.....	6,453.7308	86,095.388	1,580.4065	12.3404	100....	4.0091268	14.019718	3.2150320	2.4970
46.....	6,043.8580	79,641.657	1,535.8392	12.1773	101....	2.9058605	10.010591	2.3386974	2.4450
47.....	5,656.4239	73,597.799	1,490.5103	12.0114	102....	2.0907392	7.1047308	1.6880588	2.3982
48.....	5,290.1438	67,941.375	1,444.4051	11.8430	103....	1.4940107	5.0139916	1.2096740	2.3561
49.....	4,943.9388	62,651.231	1,397.6422	11.6723	104....	1.0608603	3.5199810	.8610903	2.3180
50.....	4,616.8460	57,707.292	1,350.3949	11.4993	105....	.7488973	2.4591207	.6091760	2.2837
51.....	4,308.0835	53,090.446	1,302.9634	11.3234	106....	.5258319	1.7102233	.4285010	2.2524
52.....	4,016.8001	48,782.363	1,255.5338	11.1446	107....	.3673829	1.1843914	.2998161	2.2239
53.....	3,741.9904	44,765.563	1,208.0901	10.9630	108....	.2555148	.8170085	.2087432	2.1975
54.....	3,482.6634	41,023.572	1,160.5739	10.7794	109....	.1769729	.5614937	.1446645	2.1728

**TABLE 10H. ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,463,531.2	4,254.9650	13.6353	55.....	1,931.8664	20,669.072	579.68391	9.6990
1.....	91,481.308	1,363,531.2	2,278.3295	13.9050	56.....	1,777.2809	18,737.206	551.48227	9.5426
2.....	85,378.565	1,272,049.9	2,160.3442	13.8989	57.....	1,633.1883	16,959.925	523.66035	9.3845
3.....	79,714.056	1,186,671.4	2,081.3491	13.8866	58.....	1,499.0227	15,326.737	496.33879	9.2245
4.....	74,442.498	1,106,957.3	2,024.7298	13.8700	59.....	1,374.2395	13,827.714	469.62256	9.0621
5.....	69,531.381	1,032,514.8	1,983.6820	13.8496	60.....	1,258.2768	12,453.474	443.56338	8.8972
6.....	64,948.158	962,983.44	1,949.2413	13.8270	61.....	1,150.5589	11,195.198	418.16266	8.7302
7.....	60,671.291	898,035.28	1,921.3196	13.8017	62.....	1,050.5141	10,044.639	393.38800	8.5616
8.....	56,679.461	837,363.99	1,898.6388	13.7737	63.....	957.69574	8,994.1246	369.29491	8.3914
9.....	52,952.919	780,684.53	1,880.0987	13.7430	64.....	871.72689	8,036.4288	345.97904	8.2190
10.....	49,473.367	727,731.61	1,864.7572	13.7096	65.....	792.27754	7,164.7019	323.55855	8.0432
11.....	46,223.846	678,258.24	1,851.8109	13.6733	66.....	719.03259	6,372.4244	302.14485	7.8625
12.....	43,187.328	632,034.40	1,839.2830	13.6347	67.....	651.59136	5,653.3918	281.74314	7.6763
13.....	40,348.266	588,847.07	1,825.5599	13.5941	68.....	589.47096	5,001.8004	262.25020	7.4852
14.....	37,692.068	548,498.80	1,808.9681	13.5521	69.....	532.13802	4,412.3295	243.48079	7.2917
15.....	35,206.152	510,806.74	1,788.8891	13.5090	70.....	479.13807	3,880.1915	225.29360	7.0983
16.....	32,879.585	475,600.58	1,765.5281	13.4649	71.....	430.11374	3,401.0534	207.61475	6.9073
17.....	30,702.465	442,721.00	1,739.4088	13.4197	72.....	384.85532	2,970.9397	190.49462	6.7196
18.....	28,665.485	412,018.53	1,711.0018	13.3733	73.....	343.23340	2,586.0843	174.05014	6.5345
19.....	26,759.900	383,353.05	1,680.7289	13.3257	74.....	305.20185	2,242.8510	158.47312	6.3487
20.....	24,976.991	356,593.15	1,648.4670	13.2769	75.....	270.66270	1,937.6491	143.90045	6.1589
21.....	23,309.135	331,616.16	1,614.6196	13.2269	76.....	239.40748	1,666.9864	130.35213	5.9630
22.....	21,748.730	308,307.02	1,579.1113	13.1759	77.....	211.14398	1,427.5789	117.75080	5.7612
23.....	20,289.532	286,558.29	1,542.7280	13.1235	78.....	185.59161	1,216.4349	106.01159	5.5544
24.....	18,925.772	266,268.76	1,506.3206	13.0691	79.....	162.43949	1,030.8433	95.000975	5.3460
25.....	17,651.909	247,342.99	1,470.5915	13.0123	80.....	141.41648	868.40385	84.604848	5.1408
26.....	16,461.972	229,691.08	1,435.4527	12.9528	81.....	122.28164	726.98737	74.721554	4.9452
27.....	15,350.404	213,229.11	1,400.8364	12.8908	82.....	104.90279	604.70573	65.342438	4.7644
28.....	14,312.315	197,878.70	1,366.9794	12.8258	83.....	89.253647	499.80294	56.556094	4.5998
29.....	13,342.957	183,342.99	1,333.9407	12.7575	84.....	75.411824	410.59429	48.553295	4.4441
30.....	12,437.880	170,223.43	1,301.7680	12.6859	85.....	63.396677	335.13747	41.471631	4.2864
31.....	11,592.918	157,785.55	1,270.4989	12.6105	86.....	53.054723	271.74079	35.277124	4.1219
32.....	10,804.058	146,192.63	1,240.0540	12.5313	87.....	44.140538	218.68607	29.833809	3.9543
33.....	10,067.565	135,388.57	1,210.3680	12.4480	88.....	36.479061	174.54553	25.060030	3.7848
34.....	9,379.8653	125,321.01	1,181.2944	12.3606	89.....	29.905330	138.06647	20.872780	3.6168
35.....	8,737.5637	115,941.14	1,152.6289	12.2693	90.....	24.286202	108.16114	17.210075	3.4536
36.....	8,137.6115	107,203.58	1,124.2930	12.1738	91.....	19.526106	83.874937	14.038797	3.2955
37.....	7,577.0290	99,065.969	1,096.0776	12.0745	92.....	15.532379	64.348831	11.322478	3.1429
38.....	7,053.1518	91,488.940	1,067.8938	11.9714	93.....	12.204240	48.816452	9.0104764	3.0000
39.....	6,563.6498	84,435.788	1,039.8131	11.8642	94.....	9.4548644	36.612212	7.0595088	2.8723
40.....	6,106.2187	77,872.138	1,011.7795	11.7529	95.....	7.2137081	27.157348	5.4368950	2.7647
41.....	5,678.7834	71,765.920	983.81649	11.6376	96.....	5.4186409	19.943639	4.1137527	2.6806
42.....	5,279.2518	66,087.136	955.79408	11.5183	97.....	4.0292912	14.524999	3.0788935	2.6049
43.....	4,905.7570	60,807.884	927.67096	11.3952	98.....	2.9676295	10.495707	2.2808303	2.5367
44.....	4,556.4396	55,902.127	899.29093	11.2688	99.....	2.1660644	7.5280779	1.6734092	2.4755
45.....	4,229.6535	51,345.688	870.58962	11.1395	100....	1.5676841	5.3620135	1.2167340	2.4203
46.....	3,924.0116	47,116.034	841.65405	11.0071	101....	1.1256558	3.7943294	.8772645	2.3708
47.....	3,638.1455	43,192.023	812.49901	10.8720	102....	.8023296	2.6686737	.6275793	2.3262
48.....	3,370.7588	39,553.877	783.12183	10.7344	103....	.5679743	1.8663441	.4457129	2.2860
49.....	3,120.7241	36,183.118	753.60406	10.5945	104....	.3995354	1.2983698	.3144313	2.2497
50.....	2,887.0198	33,062.394	724.05927	10.4521	105....	.2794097	.8988343	.2204433	2.2169
51.....	2,668.7665	30,175.374	694.67642	10.3069	106....	.1943516	.6194246	.1536644	2.1871
52.....	2,465.0673	27,506.608	665.56940	10.1586	107....	.1345186	.4250730	.1065460	2.1600
53.....	2,274.9576	25,041.541	636.72581	10.0075	108....	.0926833	.2905544	.0735110	2.1349
54.....	2,097.5109	22,766.583	608.10812	9.8541	109....	.0635937	.1978711	.0504848	2.1115

**TABLE 10I. ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,301,310.6	3,606.6190	12.0131	55.....	1,158.1860	11,499.728	306.35426	8.9291
1.....	90,634.259	1,201,310.6	1,648.2857	12.2545	56.....	1,055.6436	10,341.542	289.60345	8.7964
2.....	83,804.800	1,110,676.4	1,532.4752	12.2531	57.....	961.07555	9,285.8979	273.23120	8.6620
3.....	77,520.216	1,026,871.6	1,455.6542	12.2465	58.....	873.95583	8,324.8224	257.30227	8.5254
4.....	71,723.426	949,351.37	1,401.1029	12.2363	59.....	793.78657	7,450.8665	241.87047	8.3865
5.....	66,371.398	877,627.94	1,361.9207	12.2230	60.....	720.07466	6,657.0800	226.95758	8.2450
6.....	61,422.427	811,256.54	1,329.3495	12.2078	61.....	652.33431	5,937.0053	212.55608	8.1012
7.....	56,846.456	749,834.12	1,303.1881	12.1905	62.....	590.09678	5,284.6710	198.63962	7.9556
8.....	52,614.553	692,987.66	1,282.1339	12.1710	63.....	532.97760	4,694.5742	185.23131	7.8082
9.....	48,700.128	640,373.11	1,265.0829	12.1493	64.....	480.64216	4,161.5966	172.37569	7.6584
10.....	45,078.732	591,672.98	1,251.1041	12.1253	65.....	432.79156	3,680.9545	160.12822	7.5051
11.....	41,727.880	546,594.25	1,239.4170	12.0990	66.....	389.14373	3,248.1629	148.53902	7.3469
12.....	38,625.721	504,866.37	1,228.2123	12.0707	67.....	349.37901	2,859.0192	137.59976	7.1831
13.....	35,752.397	466,240.65	1,216.0524	12.0408	68.....	313.14388	2,509.6402	127.24455	7.0143
14.....	33,089.505	430,488.25	1,201.4866	12.0098	69.....	280.06950	2,196.4963	117.36602	6.8427
15.....	30,620.967	397,398.74	1,184.0227	11.9780	70.....	249.84015	1,916.4268	107.88256	6.6706
16.....	28,332.617	366,777.78	1,163.8922	11.9454	71.....	222.20043	1,666.5866	98.749512	6.5004
17.....	26,211.605	338,445.16	1,141.5934	11.9120	72.....	196.97862	1,444.3862	89.986997	6.3327
18.....	24,245.978	312,233.56	1,117.5661	11.8777	73.....	174.04885	1,247.4076	81.648235	6.1670
19.....	22,424.611	287,987.58	1,092.1976	11.8425	74.....	153.33059	1,073.3588	73.822483	6.0003
20.....	20,736.744	265,562.97	1,065.4127	11.8064	75.....	134.71938	920.02816	66.569094	5.8292
21.....	19,172.848	244,826.22	1,037.5717	11.7694	76.....	118.05908	785.30878	59.888011	5.6518
22.....	17,723.700	225,653.38	1,008.6349	11.7317	77.....	103.15740	667.24970	53.731448	5.4683
23.....	16,381.458	207,929.68	979.25949	11.6930	78.....	89.833861	564.09229	48.049195	5.2793
24.....	15,138.894	191,548.22	950.13690	11.6527	79.....	77.899266	474.25843	42.768960	5.0881
25.....	13,989.179	176,409.32	921.82156	11.6104	80.....	67.189560	396.35917	37.829569	4.8991
26.....	12,925.354	162,420.15	894.23179	11.5660	81.....	57.560300	329.16961	33.177315	4.7187
27.....	11,940.992	149,494.79	867.30397	11.5195	82.....	48.922524	271.60931	28.803265	4.5518
28.....	11,030.381	137,553.80	841.21069	11.4704	83.....	41.238970	222.68678	24.743601	4.3999
29.....	10,188.089	126,523.42	815.98380	11.4188	84.....	34.520836	181.44781	21.080206	4.2562
30.....	9,409.0775	116,335.33	791.64559	11.3642	85.....	28.752021	146.92698	17.868490	4.1101
31.....	8,688.6732	106,926.25	768.21001	11.3064	86.....	23.838886	118.17496	15.085134	3.9572
32.....	8,022.4611	98,237.579	745.60337	11.2453	87.....	19.649864	94.336069	12.661956	3.8009
33.....	7,406.3658	90,215.118	723.76445	11.1808	88.....	16.088872	74.686205	10.556509	3.6421
34.....	6,836.5557	82,808.752	702.57402	11.1126	89.....	13.067442	58.597332	8.7268467	3.4842
35.....	6,309.4446	75,972.196	681.87444	11.0410	90.....	10.513846	45.529891	7.1412095	3.3305
36.....	5,821.8063	69,662.752	661.60243	10.9658	91.....	8.3748622	35.016045	5.7810293	3.1811
37.....	5,370.5624	63,840.945	641.60345	10.8872	92.....	6.6002444	26.641183	4.6267717	3.0364
38.....	4,952.9515	58,470.383	621.81193	10.8052	93.....	5.1379847	20.040938	3.6534190	2.9005
39.....	4,566.5295	53,517.431	602.27529	10.7195	94.....	3.9436412	14.902954	2.8396669	2.7790
40.....	4,208.9449	48,950.902	582.95211	10.6302	95.....	2.9809910	10.959312	2.1691383	2.6764
41.....	3,878.0751	44,741.957	563.85597	10.5372	96.....	2.2184646	7.9783214	1.6274260	2.5963
42.....	3,571.8508	40,863.882	544.89649	10.4405	97.....	1.6343716	5.7598568	1.2076638	2.5242
43.....	3,288.4178	37,292.031	526.04505	10.3404	98.....	1.1925919	4.1254852	.8869486	2.4593
44.....	3,025.9838	34,003.613	507.19755	10.2372	99.....	.8624096	2.9328933	.6451064	2.4008
45.....	2,782.9525	30,977.630	488.31317	10.1312	100....	.6183876	2.0704837	.4649666	2.3482
46.....	2,557.9456	28,194.677	469.45094	10.0224	101....	.4399141	1.4520961	.3322996	2.3009
47.....	2,349.6388	25,636.732	450.62161	9.9109	102....	.3106526	1.0121821	.2356244	2.2582
48.....	2,156.7944	23,287.093	431.82450	9.7971	103....	.2178768	.7015294	.1658599	2.2198
49.....	1,978.3197	21,130.298	413.11231	9.6809	104....	.1518440	.4836526	.1159661	2.1852
50.....	1,813.2216	19,151.979	394.55641	9.5624	105....	.1052068	.3318086	.0805766	2.1539
51.....	1,660.6255	17,338.757	376.27309	9.4411	106....	.0725021	.2266018	.0556650	2.1255
52.....	1,519.6722	15,678.132	358.32911	9.3168	107....	.0497170	.1540997	.0382504	2.0995
53.....	1,389.4870	14,158.459	340.71217	9.1897	108....	.0339378	.1043828	.0261540	2.0757
54.....	1,269.2449	12,768.972	323.39504	9.0603	109....	.0230705	.0704449	.0178006	2.0535

**TABLE 10J. ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,067,951.9	2,913.4633	9.6795	55.....	422.16981	3,664.2671	89.054615	7.6796
1.....	88,986.364	967,951.90	990.73607	9.8775	56.....	377.79592	3,242.0972	83.059804	7.5816
2.....	80,785.057	878,965.54	879.09863	9.8803	57.....	337.69804	2,864.3013	77.307002	7.4818
3.....	73,368.254	798,180.48	806.39208	9.8791	58.....	301.50295	2,526.6033	71.811734	7.3800
4.....	66,647.722	724,812.23	755.70128	9.8753	59.....	268.86662	2,225.1003	66.584770	7.2759
5.....	60,553.091	658,164.51	719.95387	9.8692	60.....	239.46484	1,956.2337	61.625402	7.1692
6.....	55,019.089	597,611.42	690.77829	9.8619	61.....	212.99309	1,716.7689	56.923184	7.0602
7.....	49,994.345	542,592.33	667.77031	9.8531	62.....	189.16884	1,503.7758	52.461947	6.9494
8.....	45,431.225	492,597.98	649.59054	9.8427	63.....	167.75149	1,314.6069	48.241762	6.8366
9.....	41,286.658	447,166.76	635.13515	9.8308	64.....	148.52869	1,146.8555	44.269102	6.7214
10.....	37,521.691	405,880.10	623.49982	9.8172	65.....	131.31017	998.32676	40.553184	6.6028
11.....	34,101.077	368,358.41	613.94885	9.8020	66.....	115.92062	867.01660	37.100920	6.4794
12.....	30,991.989	334,257.33	604.95856	9.7853	67.....	102.18297	751.09598	33.901511	6.3505
13.....	28,164.956	303,265.34	595.37922	9.7675	68.....	89.920084	648.91301	30.927987	6.2166
14.....	25,593.239	275,100.39	584.11324	9.7489	69.....	78.960461	558.99293	28.142916	6.0794
15.....	23,253.319	249,507.15	570.85129	9.7300	70.....	69.157161	480.03247	25.517840	5.9412
16.....	21,124.372	226,253.83	555.84233	9.7106	71.....	60.388033	410.87531	23.035727	5.8039
17.....	19,187.651	205,129.46	539.51895	9.6907	72.....	52.560097	350.48727	20.697612	5.6683
18.....	17,426.050	185,941.80	522.25006	9.6703	73.....	45.597317	297.92718	18.513023	5.5339
19.....	15,823.963	168,515.75	504.34876	9.6494	74.....	39.439192	252.32986	16.500109	5.3979
20.....	14,366.863	152,691.79	485.79156	9.6281	75.....	34.022040	212.89067	14.668338	5.2574
21.....	13,041.847	138,324.93	466.85343	9.6062	76.....	29.272563	178.86863	13.011774	5.1105
22.....	11,836.899	125,283.08	447.52778	9.5841	77.....	25.112666	149.59606	11.513018	4.9570
23.....	10,741.555	113,446.18	428.26592	9.5614	78.....	21.471558	124.48340	10.154880	4.7976
24.....	9,746.3013	102,704.63	409.51702	9.5378	79.....	18.280494	103.01184	8.9157757	4.6351
25.....	8,842.3761	92,958.325	391.61927	9.5128	80.....	15.480587	84.731347	7.7777318	4.4734
26.....	8,021.4017	84,115.949	374.49721	9.4864	81.....	13.020862	69.250760	6.7253334	4.3184
27.....	7,275.7760	76,094.548	358.08980	9.4586	82.....	10.865673	56.229898	5.7538587	4.1750
28.....	6,598.7319	68,818.772	342.47995	9.4291	83.....	8.9926284	45.364225	4.8686027	4.0446
29.....	5,984.0301	62,220.040	327.66280	9.3977	84.....	7.3907961	36.371596	4.0842820	3.9212
30.....	5,425.9921	56,236.010	313.62753	9.3642	85.....	6.0437899	28.980800	3.4091664	3.7951
31.....	4,919.4510	50,810.018	300.35851	9.3284	86.....	4.9199197	22.937010	2.8347316	3.6621
32.....	4,459.6613	45,890.567	287.79155	9.2901	87.....	3.9816463	18.017091	2.3437236	3.5250
33.....	4,042.3180	41,430.905	275.87209	9.2493	88.....	3.2008092	14.035444	1.9248544	3.3850
34.....	3,663.4793	37,388.587	264.51685	9.2058	89.....	2.5524417	10.834635	1.5674695	3.2448
35.....	3,319.5452	33,725.108	253.62633	9.1596	90.....	2.0163129	8.2821935	1.2633809	3.1076
36.....	3,007.2967	30,405.563	243.15467	9.1106	91.....	1.5769033	6.2658806	1.0072725	2.9735
37.....	2,723.7633	27,398.266	233.01188	9.0590	92.....	1.2201648	4.6889772	.7938888	2.8429
38.....	2,466.2934	24,674.503	223.15681	9.0047	93.....	.9325720	3.4688125	.6172200	2.7196
39.....	2,232.5336	22,208.209	213.60553	8.9475	94.....	.7027777	2.5362405	.4722051	2.6089
40.....	2,020.3009	19,975.676	204.33037	8.8875	95.....	.5215697	1.8334628	.3548859	2.5153
41.....	1,827.6376	17,955.375	195.33084	8.8244	96.....	.3810968	1.3118931	.2618284	2.4424
42.....	1,652.7161	16,127.737	186.55818	8.7583	97.....	.2756542	.9307963	.1910310	2.3767
43.....	1,493.9051	14,475.021	177.99411	8.6894	98.....	.1974862	.6551421	.1379225	2.3174
44.....	1,349.6889	12,981.116	169.58750	8.6179	99.....	.1402134	.4576559	.0986030	2.2640
45.....	1,218.7200	11,631.427	161.31759	8.5440	100....	.0987115	.3174425	.0698478	2.2159
46.....	1,099.8173	10,412.707	153.20756	8.4677	101....	.0689455	.2187310	.0490555	2.1725
47.....	991.88521	9,312.8896	145.25888	8.3891	102....	.0478018	.1497855	.0341796	2.1335
48.....	893.92302	8,321.0044	137.46807	8.3084	103....	.0329163	.1019837	.0236398	2.0983
49.....	805.04269	7,427.0814	129.85347	8.2257	104....	.0225231	.0690674	.0162390	2.0665
50.....	724.44328	6,622.0387	122.43976	8.1409	105....	.0153217	.0465442	.0110851	2.0378
51.....	651.41281	5,897.5954	115.26777	8.0535	106....	.0103668	.0312225	.0075230	2.0118
52.....	585.28257	5,246.1826	108.35687	7.9635	107....	.0069796	.0208558	.0050783	1.9881
53.....	525.41348	4,660.9000	101.69529	7.8709	108....	.0046778	.0138762	.0034110	1.9664
54.....	471.21947	4,135.4865	95.266145	7.7761	109....	.0031221	.0091984	.0022805	1.9462

**TABLE 10K. ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK POPULATION**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	909,293.16	2,575.7327	8.0929	55.....	156.70888	1,209.1643	27.155560	6.7160
1.....	87,397.321	809,293.16	687.33984	8.2599	56.....	137.73311	1,052.4554	24.970030	6.6413
2.....	77,925.637	721,895.84	579.65385	8.2639	57.....	120.91615	914.72232	22.910182	6.5649
3.....	69,507.581	643,970.20	510.77316	8.2647	58.....	106.02835	793.80618	20.977683	6.4867
4.....	62,013.174	574,462.62	463.60730	8.2636	59.....	92.862844	687.77783	19.172361	6.4064
5.....	55,336.238	512,449.45	430.93965	8.2606	60.....	81.230944	594.91499	17.490052	6.3237
6.....	49,381.169	457,113.21	404.75375	8.2568	61.....	70.961032	513.68404	15.923455	6.2390
7.....	44,070.048	407,732.04	384.47220	8.2519	62.....	61.898294	442.72301	14.463685	6.1524
8.....	39,332.518	363,661.99	368.73289	8.2458	63.....	53.910098	380.82472	13.107449	6.0641
9.....	35,106.028	324,329.48	356.44148	8.2386	64.....	46.880125	326.91462	11.853558	5.9734
10.....	31,334.951	289,223.45	346.72463	8.2301	65.....	40.705343	280.03450	10.701646	5.8796
11.....	27,969.801	257,888.50	338.89090	8.2202	66.....	35.292986	239.32915	9.6505763	5.7812
12.....	24,965.795	229,918.70	331.64872	8.2093	67.....	30.554903	204.03617	8.6938842	5.6777
13.....	22,283.309	204,952.90	324.06981	8.1976	68.....	26.407893	173.48126	7.8206142	5.5693
14.....	19,887.058	182,669.59	315.31566	8.1854	69.....	22.775157	147.07337	7.0172955	5.4576
15.....	17,746.180	162,782.53	305.19456	8.1728	70.....	19.591312	124.29821	6.2736460	5.3446
16.....	15,833.554	145,036.35	293.94475	8.1601	71.....	16.801649	104.70690	5.5830522	5.2319
17.....	14,125.085	129,202.80	281.92822	8.1470	72.....	14.362560	87.905252	4.9441395	5.1204
18.....	12,599.198	115,077.71	269.44265	8.1337	73.....	12.237414	73.542692	4.3578393	5.0097
19.....	11,236.572	102,478.52	256.73096	8.1201	74.....	10.395683	61.305278	3.8272600	4.8972
20.....	10,019.711	91,241.944	243.78884	8.1062	75.....	8.8076498	50.909595	3.3530497	4.7802
21.....	8,933.1990	81,222.233	230.81689	8.0922	76.....	7.4427786	42.101945	2.9318554	4.6568
22.....	7,963.0695	72,289.034	217.81589	8.0780	77.....	6.2710726	34.659167	2.5575899	4.5268
23.....	7,097.1568	64,325.964	205.08920	8.0636	78.....	5.2660772	28.388094	2.2244952	4.3907
24.....	6,324.5806	57,228.808	192.92265	8.0486	79.....	4.4033809	23.122017	1.9260214	4.2510
25.....	5,635.5401	50,904.227	181.51582	8.0327	80.....	3.6623548	18.718636	1.6567861	4.1111
26.....	5,021.0147	45,268.687	170.79823	8.0158	81.....	3.0254321	15.056281	1.4122586	3.9766
27.....	4,472.9620	40,247.672	160.71137	7.9980	82.....	2.4795847	12.030849	1.1905646	3.8520
28.....	3,984.2909	35,774.710	151.28620	7.9789	83.....	2.0155039	9.5512641	.9921536	3.7389
29.....	3,548.6158	31,790.419	142.49941	7.9585	84.....	1.6269075	7.5357603	.8195041	3.6320
30.....	3,160.2324	28,241.804	134.32492	7.9366	85.....	1.3066392	5.9088527	.6735472	3.5222
31.....	2,814.0459	25,081.571	126.73472	7.9130	86.....	1.0446697	4.6022136	.5515748	3.4054
32.....	2,505.4808	22,267.525	119.67448	7.8875	87.....	.8303445	3.5575439	.4491785	3.2844
33.....	2,230.4595	19,762.044	113.09759	7.8601	88.....	.6555866	2.7271994	.3633861	3.1599
34.....	1,985.3280	17,531.585	106.94391	7.8306	89.....	.5134531	2.0716128	.2914940	3.0347
35.....	1,766.8179	15,546.257	101.14747	7.7990	90.....	.3983617	1.5581597	.2314154	2.9114
36.....	1,572.0420	13,779.439	95.673486	7.7653	91.....	.3059845	1.1597980	.1817198	2.7904
37.....	1,398.4015	12,207.397	90.466097	7.7295	92.....	.2325345	.8538135	.1410539	2.6718
38.....	1,243.6035	10,808.996	85.496777	7.6917	93.....	.1745525	.6212790	.1079863	2.5593
39.....	1,105.6301	9,565.3922	80.766643	7.6515	94.....	.1291922	.4467266	.0813281	2.4578
40.....	982.65836	8,459.7621	76.255277	7.6091	95.....	.0941684	.3175344	.0601463	2.3720
41.....	873.07440	7,477.1037	71.956147	7.5641	96.....	.0675776	.2233659	.0436450	2.3053
42.....	775.41480	6,604.0293	67.840225	7.5168	97.....	.0480073	.1557883	.0313151	2.2451
43.....	688.38833	5,828.6145	63.893917	7.4670	98.....	.0337795	.1077811	.0222310	2.1907
44.....	610.82786	5,140.2262	60.089342	7.4152	99.....	.0235549	.0740015	.0156256	2.1417
45.....	541.70615	4,529.3983	56.413467	7.3614	100....	.0162867	.0504466	.0108812	2.0974
46.....	480.12577	3,987.6922	52.873031	7.3055	101....	.0111724	.0341599	.0075119	2.0575
47.....	425.27568	3,507.5664	49.464995	7.2477	102....	.0076078	.0229875	.0051443	2.0216
48.....	376.42973	3,082.2907	46.184297	7.1882	103....	.0051452	.0153797	.0034968	1.9891
49.....	332.94874	2,705.8610	43.035059	7.1270	104....	.0034578	.0102345	.0023606	1.9599
50.....	294.26426	2,372.9123	40.023657	7.0639	105....	.0023102	.0067767	.0015835	1.9334
51.....	259.87475	2,078.6480	37.162462	6.9987	106....	.0015352	.0044666	.0010560	1.9095
52.....	229.32322	1,818.7733	34.454660	6.9310	107....	.0010151	.0029314	.0007005	1.8877
53.....	202.18937	1,589.4500	31.891154	6.8612	108....	.0006682	.0019163	.0004623	1.8678
54.....	178.09634	1,387.2607	29.461271	6.7894	109....	.0004380	.0012481	.0003037	1.8494

**TABLE 11A. ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,671,421.0	53,748.245	45.7142	55.....	42,470.967	728,549.35	35,257.546	16.1541
1.....	96,735.644	4,571,421.0	51,473.988	46.2568	56.....	41,160.675	686,078.38	34,367.758	15.6683
2.....	95,636.114	4,474,685.4	51,332.237	45.7887	57.....	39,831.307	644,917.70	33,445.922	15.1912
3.....	94,585.063	4,379,049.3	51,228.079	45.2975	58.....	38,487.296	605,086.40	32,496.281	14.7217
4.....	93,568.040	4,284,464.2	51,147.541	44.7898	59.....	37,132.239	566,599.10	31,522.285	14.2590
5.....	92,576.774	4,190,896.2	51,082.692	44.2694	60.....	35,767.905	529,466.86	30,525.597	13.8028
6.....	91,602.427	4,098,319.4	51,024.946	43.7403	61.....	34,394.913	493,698.96	29,506.743	13.3538
7.....	90,645.590	4,006,717.0	50,975.063	43.2020	62.....	33,012.987	459,304.04	28,465.360	12.9128
8.....	89,704.132	3,916,071.4	50,931.087	42.6554	63.....	31,623.172	426,291.06	27,402.408	12.4803
9.....	88,777.781	3,826,367.2	50,892.896	42.1005	64.....	30,229.248	394,667.89	26,321.584	12.0558
10.....	87,866.271	3,737,589.5	50,860.373	41.5372	65.....	28,837.206	364,438.64	25,228.841	11.6378
11.....	86,967.599	3,649,723.2	50,831.665	40.9665	66.....	27,453.591	335,601.43	24,130.744	11.2243
12.....	86,077.257	3,562,755.6	50,802.388	40.3902	67.....	26,082.543	308,147.84	23,031.513	10.8143
13.....	85,190.065	3,476,678.3	50,767.446	39.8108	68.....	24,724.184	282,065.30	21,931.397	10.4085
14.....	84,298.521	3,391,488.3	50,719.368	39.2319	69.....	23,375.125	257,341.11	20,827.132	10.0092
15.....	83,398.781	3,307,189.7	50,654.267	38.6551	70.....	22,031.866	233,965.99	19,715.309	9.6194
16.....	82,491.303	3,223,791.0	50,572.519	38.0804	71.....	20,692.285	211,934.12	18,593.866	9.2422
17.....	81,576.548	3,141,299.7	50,474.510	37.5074	72.....	19,360.398	191,241.84	17,466.853	8.8780
18.....	80,654.168	3,059,723.1	50,359.818	36.9363	73.....	18,044.274	171,881.44	16,342.417	8.5255
19.....	79,723.850	2,979,068.9	50,228.056	36.3673	74.....	16,757.592	153,837.17	15,234.391	8.1801
20.....	78,783.740	2,899,345.1	50,077.291	35.8013	75.....	15,511.889	137,079.57	14,154.605	7.8371
21.....	77,831.315	2,820,561.4	49,904.903	35.2394	76.....	14,311.791	121,567.68	13,108.090	7.4942
22.....	76,867.285	2,742,730.0	49,711.481	34.6814	77.....	13,156.362	107,255.89	12,094.361	7.1524
23.....	75,893.887	2,665,862.8	49,499.144	34.1262	78.....	12,044.324	94,099.530	11,112.584	6.8128
24.....	74,917.035	2,589,968.9	49,273.717	33.5712	79.....	10,971.187	82,055.206	10,158.698	6.4792
25.....	73,941.630	2,515,051.8	49,040.065	33.0140	80.....	9,932.0740	71,084.019	9,228.2106	6.1570
26.....	72,967.943	2,441,110.2	48,798.474	32.4546	81.....	8,922.3460	61,151.945	8,316.8198	5.8538
27.....	71,995.518	2,368,142.3	48,548.504	31.8929	82.....	7,942.9197	52,229.599	7,425.7337	5.5756
28.....	71,024.648	2,296,146.7	48,290.461	31.3289	83.....	7,002.9027	44,286.680	6,564.3594	5.3240
29.....	70,056.322	2,225,122.1	48,025.349	30.7619	84.....	6,121.3690	37,283.777	5,752.1614	5.0908
30.....	69,090.793	2,155,065.8	47,753.447	30.1918	85.....	5,315.1665	31,162.408	5,006.5665	4.8629
31.....	68,127.627	2,085,975.0	47,474.348	29.6186	86.....	4,585.1468	25,847.241	4,329.1722	4.6372
32.....	67,167.095	2,017,847.3	47,188.347	29.0422	87.....	3,924.2047	21,262.095	3,713.6276	4.4182
33.....	66,208.800	1,950,680.3	46,895.072	28.4626	88.....	3,330.4453	17,337.890	3,158.7217	4.2059
34.....	65,251.722	1,884,471.5	46,593.527	27.8800	89.....	2,800.5088	14,007.444	2,661.7599	4.0017
35.....	64,293.620	1,819,219.7	46,281.482	27.2955	90.....	2,331.1325	11,206.936	2,220.1114	3.8075
36.....	63,333.035	1,754,926.1	45,957.468	26.7095	91.....	1,921.1994	8,875.8032	1,833.2588	3.6199
37.....	62,367.990	1,691,593.1	45,619.483	26.1228	92.....	1,567.0709	6,954.6039	1,498.1522	3.4380
38.....	61,397.273	1,629,225.1	45,266.270	25.5358	93.....	1,262.2213	5,387.5329	1,208.8181	3.2683
39.....	60,419.171	1,567,827.8	44,896.062	24.9492	94.....	1,001.1790	4,125.3116	960.27299	3.1205
40.....	59,433.322	1,507,408.6	44,508.423	24.3630	95.....	780.76100	3,124.1326	749.76768	3.0014
41.....	58,438.255	1,447,975.3	44,101.805	23.7779	96.....	598.68135	2,343.3716	575.41834	2.9142
42.....	57,432.076	1,389,537.1	43,674.222	23.1944	97.....	454.79629	1,744.6902	437.46082	2.8362
43.....	56,411.946	1,332,105.0	43,222.726	22.6139	98.....	342.47511	1,289.8940	329.64257	2.7664
44.....	55,374.748	1,275,693.0	42,744.062	22.0375	99.....	255.79500	947.41884	246.35331	2.7038
45.....	54,317.145	1,220,318.3	42,234.724	21.4665	100.....	189.60488	691.62383	182.69581	2.6477
46.....	53,237.793	1,166,001.2	41,693.166	20.9018	101.....	139.55295	502.01895	134.52115	2.5973
47.....	52,136.140	1,112,763.4	41,118.620	20.3434	102.....	102.04498	362.46601	98.394898	2.5520
48.....	51,010.309	1,060,627.2	40,508.988	19.7924	103.....	74.169527	260.42103	71.529788	2.5112
49.....	49,858.789	1,009,616.9	39,862.521	19.2495	104.....	53.610615	186.25150	51.705228	2.4742
50.....	48,681.924	959,758.12	39,179.307	18.7149	105.....	38.553463	132.64088	37.178875	2.4404
51.....	47,482.710	911,076.20	38,462.092	18.1875	106.....	27.595882	94.087421	26.603011	2.4095
52.....	46,263.204	863,593.49	37,712.712	17.6670	107.....	19.668487	66.491539	18.948842	2.3806
53.....	45,022.342	817,330.28	36,929.902	17.1539	108.....	13.963652	46.823052	13.438745	2.3532
54.....	43,758.596	772,307.94	36,111.922	16.6493	109.....	9.8782468	32.859400	9.4915936	2.3264



**TABLE 11B. ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	4,045,418.3	40,215.460	39.4542	55	32,369.455	525,460.74	24,603.992	15.2332
1	96,259.113	3,945,418.3	37,952.406	39.9875	56	31,216.273	493,091.28	23,929.176	14.7960
2	94,696.207	3,849,159.1	37,812.048	39.6474	57	30,059.272	461,875.01	23,233.499	14.3655
3	93,194.129	3,754,462.9	37,709.422	39.2865	58	28,901.916	431,815.74	22,520.369	13.9407
4	91,737.913	3,661,268.8	37,630.459	38.9101	59	27,746.978	402,913.82	21,792.553	13.5210
5	90,318.913	3,569,530.9	37,567.192	38.5214	60	26,595.820	375,166.84	21,051.449	13.1062
6	88,928.091	3,479,212.0	37,511.132	38.1239	61	25,448.925	348,571.02	20,297.595	12.6969
7	87,565.695	3,390,283.9	37,462.944	37.7170	62	24,306.105	323,122.10	19,530.868	12.2939
8	86,229.348	3,302,718.2	37,420.671	37.3016	63	23,168.148	298,815.99	18,752.115	11.8977
9	84,918.492	3,216,488.9	37,384.140	36.8774	64	22,037.816	275,647.84	17,964.170	11.5079
10	83,632.583	3,131,570.4	37,353.185	36.4444	65	20,919.424	253,610.03	17,171.460	11.1232
11	82,369.443	3,047,937.8	37,325.994	36.0033	66	19,817.599	232,690.60	16,378.789	10.7416
12	81,124.568	2,965,568.3	37,298.402	35.5557	67	18,735.148	212,873.00	15,589.209	10.3622
13	79,892.914	2,884,443.8	37,265.632	35.1039	68	17,671.952	194,137.86	14,802.886	9.9856
14	78,667.364	2,804,550.9	37,220.766	34.6508	69	16,625.389	176,465.90	14,017.485	9.6142
15	77,444.339	2,725,883.5	37,160.313	34.1980	70	15,592.813	159,840.51	13,230.605	9.2509
16	76,224.304	2,648,439.1	37,084.776	33.7453	71	14,572.598	144,247.70	12,440.825	8.8986
17	75,007.719	2,572,214.8	36,994.659	33.2927	72	13,567.448	129,675.10	11,651.033	8.5578
18	73,794.294	2,497,207.1	36,889.722	32.8401	73	12,582.838	116,107.66	10,866.928	8.2275
19	72,583.777	2,423,412.8	36,769.760	32.3878	74	11,628.030	103,524.82	10,098.074	7.9030
20	71,374.524	2,350,829.1	36,633.174	31.9365	75	10,710.619	91,896.786	9,352.5049	7.5800
21	70,164.321	2,279,454.5	36,477.768	31.4874	76	9,833.2979	81,186.167	8,633.4689	7.2563
22	68,953.900	2,209,290.2	36,304.258	31.0401	77	8,994.9002	71,352.870	7,940.3909	6.9326
23	67,745.339	2,140,336.3	36,114.720	30.5939	78	8,194.0439	62,357.969	7,272.4642	6.6102
24	66,543.944	2,072,591.0	35,914.487	30.1462	79	7,427.1944	54,163.925	6,626.7089	6.2926
25	65,354.020	2,006,047.0	35,707.971	29.6951	80	6,690.6216	46,736.731	5,999.8976	5.9854
26	64,175.716	1,940,693.0	35,495.490	29.2403	81	5,980.8225	40,046.109	5,388.9747	5.6958
27	63,008.540	1,876,517.3	35,276.724	28.7820	82	5,298.0659	34,065.287	4,794.6047	5.4298
28	61,852.659	1,813,508.8	35,052.004	28.3198	83	4,648.0481	28,767.221	4,222.8833	5.1891
29	60,708.842	1,751,656.1	34,822.265	27.8534	84	4,042.9317	24,119.173	3,686.4574	4.9658
30	59,577.205	1,690,947.3	34,587.803	27.3825	85	3,493.1727	20,076.241	3,196.4461	4.7473
31	58,457.271	1,631,370.0	34,348.321	26.9071	86	2,998.5532	16,583.068	2,753.4498	4.5304
32	57,349.175	1,572,912.8	34,104.125	26.4269	87	2,553.6743	13,584.515	2,352.8845	4.3196
33	56,252.478	1,515,563.6	33,854.953	25.9422	88	2,156.6094	11,030.841	1,993.5586	4.1149
34	55,166.223	1,459,311.1	33,600.015	25.4530	89	1,804.5190	8,874.2316	1,673.3393	3.9178
35	54,088.443	1,404,144.9	33,337.500	24.9602	90	1,494.6751	7,069.7126	1,390.1632	3.7299
36	53,017.865	1,350,056.5	33,066.259	24.4642	91	1,225.7661	5,575.0376	1,143.3430	3.5482
37	51,952.807	1,297,038.6	32,784.715	23.9657	92	994.89938	4,349.2715	930.59103	3.3716
38	50,892.253	1,245,085.8	32,491.937	23.4651	93	797.40940	3,354.3721	747.80400	3.2066
39	49,834.797	1,194,193.5	32,186.583	22.9630	94	629.37992	2,556.9627	591.55890	3.0627
40	48,780.165	1,144,358.7	31,868.426	22.4595	95	488.39882	1,927.5828	459.87897	2.9467
41	47,727.186	1,095,578.6	31,536.337	21.9550	96	372.65552	1,439.1839	351.35339	2.8620
42	46,674.367	1,047,851.4	31,188.845	21.4503	97	281.69820	1,066.5284	265.90329	2.7861
43	45,619.480	1,001,177.0	30,823.728	20.9463	98	211.08215	784.83023	199.45027	2.7181
44	44,560.120	955,557.54	30,438.546	20.4442	99	156.88083	573.74808	148.36839	2.6572
45	43,493.750	910,997.42	30,030.700	19.9455	100	115.71314	416.86725	109.51914	2.6026
46	42,419.476	867,503.67	29,599.191	19.4506	101	84.747616	301.15411	80.263662	2.5535
47	41,337.048	825,084.19	29,143.652	18.9599	102	61.664537	216.40649	58.433011	2.5094
48	40,245.179	783,747.14	28,662.676	18.4743	103	44.598952	154.74196	42.278724	2.4696
49	39,142.898	743,501.96	28,155.151	17.9946	104	32.077851	110.14300	30.416721	2.4336
50	38,030.699	704,359.07	27,621.419	17.5208	105	22.954784	78.065154	21.767711	2.4008
51	36,911.136	666,328.37	27,063.885	17.0522	106	16.349686	55.110370	15.501847	2.3707
52	35,785.982	629,417.23	26,484.217	16.5884	107	11.595552	38.760684	10.989333	2.3427
53	34,654.581	593,631.25	25,881.672	16.1300	108	8.1917147	27.165132	7.7568589	2.3162
54	33,515.931	558,976.67	25,255.158	15.6779	109	5.7664829	18.973417	5.4526869	2.2903

**TABLE 11C. ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,542,303.7	30,543.047	34.4230	55.....	24,703.487	380,305.23	17,246.504	14.3948
1.....	95,787.255	3,442,303.7	28,291.086	34.9370	56.....	23,706.629	355,601.74	16,734.027	14.0001
2.....	93,770.088	3,346,516.4	28,152.100	34.6885	57.....	22,716.063	331,895.11	16,208.298	13.6106
3.....	91,830.334	3,252,746.3	28,050.976	34.4213	58.....	21,734.373	309,179.05	15,672.021	13.2253
4.....	89,952.314	3,160,916.0	27,973.550	34.1399	59.....	20,763.571	287,444.68	15,127.383	12.8437
5.....	88,126.811	3,070,963.7	27,911.818	33.8471	60.....	19,804.579	266,681.11	14,575.520	12.4656
6.....	86,344.403	2,982,836.9	27,857.387	33.5458	61.....	18,857.648	246,876.53	14,016.914	12.0916
7.....	84,604.817	2,896,492.5	27,810.829	33.2355	62.....	17,922.531	228,018.88	13,451.554	11.7225
8.....	82,905.256	2,811,887.7	27,770.185	32.9169	63.....	16,999.696	210,096.35	12,880.142	11.3588
9.....	81,244.712	2,728,982.4	27,735.235	32.5897	64.....	16,091.046	193,096.65	12,304.819	11.0003
10.....	79,622.208	2,647,737.7	27,705.764	32.2538	65.....	15,199.570	177,005.60	11,728.854	10.6454
11.....	78,035.228	2,568,115.5	27,680.004	31.9097	66.....	14,328.426	161,806.03	11,155.741	10.2927
12.....	76,479.113	2,490,080.3	27,653.992	31.5590	67.....	13,479.397	147,477.61	10,587.661	9.9410
13.....	74,948.781	2,413,601.2	27,623.250	31.2033	68.....	12,652.132	133,998.21	10,024.698	9.5910
14.....	73,437.314	2,338,652.4	27,581.367	30.8456	69.....	11,844.504	121,346.08	9,465.1511	9.2449
15.....	71,941.209	2,265,215.1	27,525.209	30.4870	70.....	11,054.406	109,501.58	8,907.2981	8.9057
16.....	70,460.772	2,193,273.8	27,455.384	30.1276	71.....	10,280.489	98,447.169	8,350.1344	8.5761
17.....	68,996.293	2,122,813.1	27,372.489	29.7671	72.....	9,524.4702	88,166.680	7,795.6935	8.2569
18.....	67,547.371	2,053,816.8	27,276.435	29.4056	73.....	8,789.9654	78,642.209	7,247.9431	7.9468
19.....	66,113.645	1,986,269.4	27,167.168	29.0433	74.....	8,083.1488	69,852.244	6,713.4787	7.6417
20.....	64,693.498	1,920,155.8	27,043.366	28.6808	75.....	7,408.9191	61,769.095	6,197.7421	7.3371
21.....	63,284.829	1,855,462.3	26,903.197	28.3192	76.....	6,768.7013	54,360.176	5,702.7973	7.0311
22.....	61,888.219	1,792,177.4	26,747.467	27.9583	77.....	6,161.2436	47,591.475	5,228.0591	6.7243
23.....	60,505.442	1,730,289.2	26,578.184	27.5972	78.....	5,585.1673	41,430.231	4,772.7916	6.4179
24.....	59,141.104	1,669,783.8	26,400.227	27.2339	79.....	5,037.6566	35,845.064	4,334.7940	6.1154
25.....	57,798.833	1,610,642.7	26,217.586	26.8664	80.....	4,515.8147	30,807.407	3,911.7296	5.8221
26.....	56,478.526	1,552,843.8	26,030.589	26.4944	81.....	4,016.9500	26,291.593	3,501.4103	5.5452
27.....	55,179.520	1,496,365.3	25,839.005	26.1181	82.....	3,540.9414	22,274.643	3,104.1654	5.2906
28.....	53,901.735	1,441,185.8	25,643.172	25.7373	83.....	3,091.2766	18,733.701	2,723.9308	5.0602
29.....	52,645.614	1,387,284.1	25,443.947	25.3514	84.....	2,675.6514	15,642.425	2,368.9189	4.8462
30.....	51,411.022	1,334,638.4	25,241.623	24.9602	85.....	2,300.4831	12,966.773	2,046.2144	4.6365
31.....	50,197.319	1,283,227.4	25,035.979	24.5637	86.....	1,965.0636	10,666.290	1,755.9024	4.4280
32.....	49,004.394	1,233,030.1	24,827.315	24.1616	87.....	1,665.3144	8,701.2266	1,494.6838	4.2250
33.....	47,831.652	1,184,025.7	24,615.443	23.7540	88.....	1,399.4845	7,035.9122	1,261.5072	4.0275
34.....	46,678.065	1,136,194.1	24,399.732	23.3411	89.....	1,165.2629	5,636.4278	1,054.7265	3.8370
35.....	45,541.775	1,089,516.0	24,178.698	22.9234	90.....	960.45082	4,471.1648	872.76267	3.6553
36.....	44,421.536	1,043,974.2	23,951.435	22.5015	91.....	783.79378	3,510.7140	714.93800	3.4791
37.....	43,315.788	999,552.68	23,716.698	22.0759	92.....	633.05180	2,726.9202	579.56452	3.3076
38.....	42,223.551	956,236.89	23,473.790	21.6470	93.....	504.90225	2,093.8684	463.82776	3.1471
39.....	41,143.539	914,013.34	23,221.690	21.2152	94.....	396.55617	1,588.9662	365.38172	3.0069
40.....	40,075.420	872,869.80	22,960.308	20.7807	95.....	306.21912	1,192.4100	282.82028	2.8940
41.....	39,018.136	832,794.38	22,688.817	20.3438	96.....	232.50437	886.19089	215.10983	2.8115
42.....	37,970.385	793,776.25	22,406.126	19.9051	97.....	174.89344	653.68652	162.05780	2.7376
43.....	36,930.294	755,805.86	22,110.553	19.4657	98.....	130.40878	478.79309	121.00243	2.6715
44.....	35,895.884	718,875.57	21,800.266	19.0267	99.....	96.447518	348.38431	89.598203	2.6122
45.....	34,865.109	682,979.68	21,473.332	18.5892	100....	70.789641	251.93679	65.831454	2.5589
46.....	33,837.272	648,114.58	21,129.125	18.1539	101....	51.591768	181.14715	48.021613	2.5112
47.....	32,812.201	614,277.30	20,767.530	17.7210	102....	37.355475	129.55538	34.796924	2.4682
48.....	31,788.911	581,465.10	20,387.616	17.2914	103....	26.884955	92.199909	25.058864	2.4294
49.....	30,766.679	549,676.19	19,988.697	16.8660	104....	19.242248	65.314954	17.943312	2.3944
50.....	29,745.950	518,909.51	19,571.235	16.4447	105....	13.702178	46.072706	12.780542	2.3624
51.....	28,728.755	489,163.56	19,137.294	16.0270	106....	9.7116203	32.370528	9.0586543	2.3332
52.....	27,716.489	460,434.81	18,688.337	15.6123	107....	6.8539284	22.658908	6.3913863	2.3060
53.....	26,708.641	432,718.32	18,223.950	15.2014	108....	4.8182445	15.804979	4.4900932	2.2802
54.....	25,704.448	406,009.68	17,743.456	14.7953	109....	3.3751330	10.986735	3.1414571	2.2552

**TABLE 11D. ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	2,798,195.5	18,499.155	26.9820	55	14,445.093	201,210.92	8,584.5755	12.9294
1	94,857.282	2,698,195.5	16,269.058	27.4448	56	13,727.607	186,765.83	8,287.8200	12.6051
2	91,958.148	2,603,338.2	16,132.758	27.3100	57	13,026.299	173,038.22	7,986.3458	12.2838
3	89,181.548	2,511,380.1	16,034.550	27.1603	58	12,342.355	160,011.92	7,681.8086	11.9645
4	86,509.565	2,422,198.5	15,960.088	26.9992	59	11,676.587	147,669.56	7,375.5265	11.6466
5	83,931.076	2,335,688.9	15,901.295	26.8287	60	11,029.160	135,992.98	7,068.1942	11.3303
6	81,435.145	2,251,757.9	15,849.959	26.6509	61	10,399.856	124,963.82	6,760.1272	11.0159
7	79,019.763	2,170,322.7	15,806.474	26.4656	62	9,788.1825	114,563.96	6,451.3626	10.7043
8	76,680.624	2,091,303.0	15,768.882	26.2729	63	9,194.0493	104,775.78	6,142.3221	10.3960
9	74,415.196	2,014,622.3	15,736.870	26.0727	64	8,618.1269	95,581.729	5,834.1876	10.0908
10	72,221.031	1,940,207.1	15,710.138	25.8648	65	8,061.6302	86,963.602	5,528.7042	9.7873
11	70,094.367	1,867,986.1	15,686.999	25.6496	66	7,525.8057	78,901.972	5,227.6845	9.4842
12	68,029.646	1,797,891.7	15,663.861	25.4281	67	7,011.1283	71,376.166	4,932.2053	9.1804
13	66,021.120	1,729,862.1	15,636.782	25.2016	68	6,516.9459	64,365.038	4,642.2305	8.8766
14	64,061.639	1,663,841.0	15,600.246	24.9725	69	6,041.7150	57,848.092	4,356.8136	8.5748
15	62,147.253	1,599,779.3	15,551.733	24.7418	70	5,583.9524	51,806.377	4,075.0233	8.2777
16	60,277.405	1,537,632.1	15,491.999	24.5093	71	5,142.6033	46,222.425	3,796.3136	7.9881
17	58,451.527	1,477,354.7	15,421.773	24.2749	72	4,718.1638	41,079.821	3,521.6587	7.7067
18	56,668.471	1,418,903.2	15,341.189	24.0387	73	4,312.0353	36,361.658	3,252.9524	7.4326
19	54,927.154	1,362,234.7	15,250.410	23.8008	74	3,926.7989	32,049.622	2,993.3092	7.1618
20	53,225.478	1,307,307.5	15,148.555	23.5617	75	3,564.3134	28,122.823	2,745.1965	6.8901
21	51,561.020	1,254,082.0	15,034.352	23.3223	76	3,224.7001	24,558.510	2,509.3982	6.6158
22	49,933.594	1,202,521.0	14,908.704	23.0824	77	2,906.8010	21,333.810	2,285.4224	6.3393
23	48,343.960	1,152,587.4	14,773.447	22.8414	78	2,609.4324	18,427.009	2,072.7179	6.0617
24	46,795.076	1,104,243.5	14,632.639	22.5974	79	2,330.7805	15,817.577	1,870.0689	5.7864
25	45,289.001	1,057,448.4	14,489.528	22.3489	80	2,069.0542	13,486.796	1,676.2294	5.5183
26	43,824.804	1,012,159.4	14,344.427	22.0956	81	1,822.6158	11,417.742	1,490.0547	5.2645
27	42,401.136	968,334.60	14,197.210	21.8375	82	1,591.0374	9,595.1260	1,311.5622	5.0307
28	41,017.130	925,933.46	14,048.188	21.5743	83	1,375.5059	8,004.0886	1,142.3716	4.8190
29	39,672.325	884,916.33	13,898.058	21.3056	84	1,179.0089	6,628.5826	985.93788	4.6222
30	38,365.835	845,244.00	13,747.072	21.0312	85	1,003.8517	5,449.5737	845.12072	4.4287
31	37,096.410	806,878.17	13,595.098	20.7508	86	849.16105	4,445.7221	719.66850	4.2354
32	35,863.224	769,781.76	13,442.391	20.4644	87	712.64398	3,596.5610	607.88428	4.0468
33	34,665.114	733,918.54	13,288.841	20.1717	88	593.07201	2,883.9170	509.06893	3.8627
34	33,500.636	699,253.42	13,134.026	19.8728	89	489.01954	2,290.8450	422.29040	3.6846
35	32,367.794	665,752.79	12,976.930	19.5684	90	399.15389	1,801.8255	346.66804	3.5141
36	31,265.089	633,384.99	12,816.977	19.2585	91	322.57447	1,402.6716	281.71446	3.3484
37	30,190.845	602,119.90	12,653.366	18.9438	92	258.00634	1,080.0971	226.54170	3.1863
38	29,143.838	571,929.06	12,485.705	18.6244	93	203.77992	822.09078	179.83003	3.0342
39	28,122.672	542,785.22	12,313.388	18.3006	94	158.49725	618.31086	140.48270	2.9011
40	27,126.638	514,662.55	12,136.461	17.9726	95	121.20269	459.81361	107.80457	2.7938
41	26,154.556	487,535.91	11,954.475	17.6406	96	91.132659	338.61092	81.264708	2.7156
42	25,205.120	461,381.36	11,766.823	17.3051	97	67.885868	247.47826	60.672266	2.6455
43	24,276.691	436,176.23	11,572.523	16.9669	98	50.127452	179.59239	44.891109	2.5827
44	23,367.611	411,899.54	11,370.532	16.6269	99	36.713248	129.46494	32.936928	2.5264
45	22,476.239	388,531.93	11,159.769	16.2863	100	26.684829	92.751689	23.977826	2.4758
46	21,601.848	366,055.69	10,940.026	15.9456	101	19.259192	66.066861	17.329418	2.4304
47	20,744.066	344,453.85	10,711.424	15.6049	102	13.809402	46.807669	12.440575	2.3896
48	19,902.018	323,709.78	10,473.572	15.2652	103	9.8422153	32.998267	8.8756041	2.3527
49	19,075.021	303,807.76	10,226.246	14.9270	104	6.9759329	23.156052	6.2959881	2.3194
50	18,263.129	284,732.74	9,969.9370	14.5906	105	4.9192518	16.180119	4.4424895	2.2891
51	17,467.353	266,469.61	9,706.0969	14.2553	106	3.4527416	11.260867	3.1192585	2.2614
52	16,688.275	249,002.26	9,435.7769	13.9208	107	2.4130977	7.8081255	2.1801799	2.2357
53	15,925.313	232,313.98	9,158.8811	13.5877	108	1.6799143	5.3950278	1.5172808	2.2115
54	15,177.751	216,388.67	8,875.1632	13.2570	109	1.1653386	3.7151136	1.0516347	2.1880

**TABLE 11E. ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,287,439.1	12,021.572	21.8744	55.....	8,490.5152	107,805.53	4,344.1471	11.6972
1.....	93,945.192	2,187,439.1	9,812.9185	22.2842	56.....	7,991.2076	99,315.012	4,171.3978	11.4280
2.....	90,198.224	2,093,493.9	9,679.2273	22.2099	57.....	7,510.0447	91,323.804	3,997.5890	11.1602
3.....	86,633.660	2,003,295.7	9,583.8253	22.1238	58.....	7,047.3104	83,813.760	3,823.7026	10.8930
4.....	83,229.957	1,916,662.0	9,512.1859	22.0285	59.....	6,603.0588	76,766.449	3,650.5014	10.6259
5.....	79,972.784	1,833,432.0	9,456.1657	21.9257	60.....	6,176.9711	70,163.390	3,478.3775	10.3589
6.....	76,848.463	1,753,459.3	9,407.7207	21.8171	61.....	5,768.5189	63,986.419	3,307.5011	10.0923
7.....	73,852.112	1,676,610.8	9,367.0797	21.7023	62.....	5,377.0361	58,217.900	3,137.8844	9.8271
8.....	70,976.850	1,602,758.7	9,332.2840	21.5814	63.....	5,002.0912	52,840.864	2,969.7486	9.5638
9.....	68,217.625	1,531,781.8	9,302.9378	21.4543	64.....	4,643.6722	47,838.773	2,803.7177	9.3019
10.....	65,569.601	1,463,564.2	9,278.6680	21.3208	65.....	4,302.0497	43,195.101	2,640.6980	9.0406
11.....	63,026.887	1,397,994.6	9,257.8623	21.1809	66.....	3,977.4931	38,893.051	2,481.6049	8.7783
12.....	60,582.171	1,334,967.7	9,237.2574	21.0357	67.....	3,669.8493	34,915.558	2,326.9416	8.5142
13.....	58,228.204	1,274,385.5	9,213.3740	20.8861	68.....	3,378.3786	31,245.709	2,176.6189	8.2487
14.....	55,956.745	1,216,157.3	9,181.4605	20.7339	69.....	3,101.9038	27,867.330	2,030.0817	7.9839
15.....	53,762.595	1,160,200.6	9,139.4929	20.5801	70.....	2,839.3157	24,765.426	1,886.7977	7.7223
16.....	51,643.625	1,106,438.0	9,088.3151	20.4245	71.....	2,589.7563	21,926.111	1,746.4426	7.4665
17.....	49,597.743	1,054,794.4	9,028.7263	20.2670	72.....	2,353.1671	19,336.354	1,609.4595	7.2172
18.....	47,622.417	1,005,196.6	8,961.0063	20.1076	73.....	2,129.9330	16,983.187	1,476.7318	6.9736
19.....	45,715.231	957,574.22	8,885.4515	19.9465	74.....	1,920.9947	14,853.254	1,349.7141	6.7321
20.....	43,872.995	911,858.99	8,801.4937	19.7841	75.....	1,726.9004	12,932.259	1,229.5041	6.4887
21.....	42,092.342	867,985.99	8,708.2636	19.6210	76.....	1,547.3360	11,205.359	1,116.3589	6.2417
22.....	40,371.817	825,893.65	8,606.6753	19.4572	77.....	1,381.3842	9,658.0231	1,009.9201	5.9916
23.....	38,710.750	785,521.83	8,498.3702	19.2921	78.....	1,228.1435	8,276.6390	909.80957	5.7391
24.....	37,110.209	746,811.08	8,386.7045	19.1241	79.....	1,086.4465	7,048.4955	815.34880	5.4877
25.....	35,570.493	709,700.88	8,274.3034	18.9520	80.....	955.17447	5,962.0490	725.86322	5.2418
26.....	34,089.529	674,130.38	8,161.4355	18.7753	81.....	833.31625	5,006.8745	640.74248	5.0084
27.....	32,664.980	640,040.85	8,048.0223	18.5941	82.....	720.44196	4,173.5583	559.91882	4.7931
28.....	31,294.935	607,375.87	7,934.3230	18.4081	83.....	616.85765	3,453.1163	484.04381	4.5979
29.....	29,977.840	576,080.94	7,820.8789	18.2169	84.....	523.65283	2,836.2587	414.56428	4.4163
30.....	28,711.852	546,103.10	7,707.8855	18.0201	85.....	441.57025	2,312.6058	352.62220	4.2372
31.....	27,494.912	517,391.25	7,595.2467	17.8177	86.....	369.93397	1,871.0356	297.96939	4.0578
32.....	26,325.320	489,896.33	7,483.1520	17.6093	87.....	307.47560	1,501.1016	249.73924	3.8820
33.....	25,201.179	463,571.01	7,371.5226	17.3948	88.....	253.42494	1,193.6260	207.51457	3.7100
34.....	24,120.436	438,369.84	7,260.0558	17.1742	89.....	206.95314	940.20109	170.78988	3.5431
35.....	23,080.706	414,249.40	7,148.0349	16.9479	90.....	167.29773	733.24795	139.09421	3.3829
36.....	22,080.024	391,168.69	7,035.0726	16.7160	91.....	133.90092	565.95022	112.13193	3.2266
37.....	21,116.358	369,088.67	6,920.6387	16.4788	92.....	106.06884	432.04929	89.449888	3.0733
38.....	20,188.051	347,972.31	6,804.4987	16.2365	93.....	82.970313	325.98045	70.430928	2.9289
39.....	19,293.371	327,784.26	6,686.2821	15.9895	94.....	63.912670	243.01014	54.564452	2.8022
40.....	18,431.105	308,490.89	6,566.0696	15.7375	95.....	48.404015	179.09747	41.513976	2.7001
41.....	17,599.756	290,059.78	6,443.6091	15.4809	96.....	36.045167	130.69345	31.016821	2.6258
42.....	16,797.783	272,460.03	6,318.5493	15.2200	97.....	26.592322	94.648286	22.950328	2.5592
43.....	16,023.470	255,662.25	6,190.3046	14.9555	98.....	19.447169	68.055964	16.827958	2.4995
44.....	15,275.143	239,638.78	6,058.2651	14.6882	99.....	14.106117	48.608794	12.234873	2.4459
45.....	14,551.189	224,363.63	5,921.8169	14.4189	100....	10.154369	34.502678	8.8256685	2.3978
46.....	13,850.633	209,812.44	5,780.9223	14.1482	101....	7.2582261	24.348309	6.3200778	2.3546
47.....	13,172.751	195,961.81	5,635.7570	13.8763	102....	5.1543176	17.090082	4.4953319	2.3157
48.....	12,516.520	182,789.06	5,486.1702	13.6038	103....	3.6382544	11.935765	3.1775116	2.2806
49.....	11,881.066	170,272.54	5,332.1208	13.3314	104....	2.5539146	8.2975105	2.2331047	2.2489
50.....	11,265.993	158,391.47	5,174.0112	13.0593	105....	1.7836392	5.7435959	1.5610569	2.2202
51.....	10,671.495	147,125.48	5,012.8208	12.7868	106....	1.2398694	3.9599566	1.0858885	2.1938
52.....	10,097.492	136,453.99	4,849.2596	12.5137	107....	.8582042	2.7200873	.7519106	2.1695
53.....	9,543.1975	126,356.49	4,683.3307	12.2405	108....	.5917070	1.8618830	.5184213	2.1466
54.....	9,007.7691	116,813.30	4,514.9483	11.9681	109....	.4065141	1.2701760	.3559863	2.1246

**TABLE 11F. ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,923,488.2	8,405.3214	18.2349	55.....	5,015.9853	58,445.948	2,232.8444	10.6519
1.....	93,050.476	1,823,488.2	6,217.7023	18.5968	56.....	4,676.0448	53,429.963	2,131.7604	10.4263
2.....	88,488.344	1,730,437.8	6,086.5455	18.5555	57.....	4,352.6407	48,753.918	2,031.0250	10.2010
3.....	84,181.912	1,641,949.4	5,993.8434	18.5048	58.....	4,045.5515	44,401.278	1,931.2045	9.9753
4.....	80,104.300	1,557,767.5	5,924.8944	18.4467	59.....	3,754.4259	40,355.726	1,832.7242	9.7488
5.....	76,236.407	1,477,663.2	5,871.4915	18.3826	60.....	3,478.7080	36,601.300	1,735.7885	9.5215
6.....	72,560.360	1,401,426.8	5,825.7497	18.3139	61.....	3,217.7387	33,122.592	1,640.4719	9.2937
7.....	69,067.097	1,328,866.4	5,787.7419	18.2402	62.....	2,970.8002	29,904.853	1,546.7591	9.0663
8.....	65,745.956	1,259,799.3	5,755.5106	18.1616	63.....	2,737.3236	26,934.053	1,454.7491	8.8396
9.....	62,588.272	1,194,053.4	5,728.5860	18.0779	64.....	2,516.9821	24,196.730	1,364.7564	8.6134
10.....	59,585.823	1,131,465.1	5,706.5311	17.9888	65.....	2,309.6067	21,679.747	1,277.2373	8.3868
11.....	56,729.676	1,071,879.3	5,687.8041	17.8945	66.....	2,115.0279	19,370.141	1,192.6397	8.1583
12.....	54,009.893	1,015,149.6	5,669.4345	17.7956	67.....	1,932.8535	17,255.113	1,111.1809	7.9273
13.....	51,416.904	961,139.73	5,648.3449	17.6931	68.....	1,762.3942	15,322.259	1,032.7623	7.6940
14.....	48,940.568	909,722.82	5,620.4329	17.5883	69.....	1,602.7549	13,559.865	957.04648	7.4603
15.....	46,573.709	860,782.25	5,584.0771	17.4821	70.....	1,453.1033	11,957.110	883.71663	7.2287
16.....	44,312.001	814,208.55	5,540.1647	17.3744	71.....	1,312.7612	10,504.007	812.56992	7.0015
17.....	42,151.263	769,896.54	5,489.5224	17.2651	72.....	1,181.4726	9,191.2457	743.79373	6.7795
18.....	40,087.056	727,745.28	5,432.5179	17.1541	73.....	1,059.2071	8,009.7731	677.78880	6.5620
19.....	38,115.154	687,658.23	5,369.5239	17.0416	74.....	946.20481	6,950.5660	615.22497	6.3457
20.....	36,230.814	649,543.07	5,300.1906	16.9279	75.....	842.50077	6,004.3612	556.57829	6.1268
21.....	34,429.280	613,312.26	5,223.9334	16.8137	76.....	747.70739	5,161.8604	501.90400	5.9036
22.....	32,707.488	578,882.98	5,141.6310	16.6988	77.....	661.15848	4,414.1530	450.96020	5.6764
23.....	31,063.080	546,175.49	5,054.7226	16.5828	78.....	582.21616	3,752.9945	403.50162	5.4461
24.....	29,495.134	515,112.41	4,965.9709	16.4643	79.....	510.13780	3,170.7784	359.14784	5.2155
25.....	28,002.118	485,617.28	4,877.4855	16.3422	80.....	444.22800	2,660.6406	317.53031	4.9894
26.....	26,580.677	457,615.16	4,789.4788	16.2161	81.....	383.86376	2,216.4126	278.31979	4.7740
27.....	25,227.341	431,034.48	4,701.8892	16.0860	82.....	328.70802	1,832.5488	241.44327	4.5750
28.....	23,939.065	405,807.14	4,614.9149	15.9517	83.....	278.76631	1,503.8408	207.15433	4.3946
29.....	22,713.157	381,868.08	4,528.9623	15.8126	84.....	234.39203	1,225.0745	176.05463	4.2266
30.....	21,546.782	359,154.92	4,444.1665	15.6686	85.....	195.76869	990.68246	148.59281	4.0605
31.....	20,437.020	337,608.14	4,360.4418	15.5194	86.....	162.44699	794.91377	124.59344	3.8934
32.....	19,381.302	317,171.12	4,277.9152	15.3648	87.....	133.73410	632.46678	103.61612	3.7293
33.....	18,376.982	297,789.81	4,196.5137	15.2045	88.....	109.17542	498.73268	85.425732	3.5682
34.....	17,421.379	279,412.83	4,116.0051	15.0385	89.....	88.306281	389.55726	69.755419	3.4114
35.....	16,511.651	261,991.45	4,035.8667	14.8671	90.....	70.705578	301.25098	56.359777	3.2606
36.....	15,645.339	245,479.80	3,955.8245	14.6903	91.....	56.052015	230.54540	45.073146	3.1131
37.....	14,820.011	229,834.46	3,875.5118	14.5084	92.....	43.978411	174.49339	35.668686	2.9677
38.....	14,033.562	215,014.45	3,794.7780	14.3214	93.....	34.073635	130.51498	27.858120	2.8304
39.....	13,283.902	200,980.89	3,713.3834	14.1297	94.....	25.997210	96.441341	21.404249	2.7097
40.....	12,569.355	187,696.99	3,631.4027	13.9329	95.....	19.501374	70.444131	16.146375	2.6123
41.....	11,888.096	175,127.63	3,548.6844	13.7313	96.....	14.383842	50.942757	11.957480	2.5417
42.....	11,238.327	163,239.54	3,465.0148	13.5253	97.....	10.510616	36.558915	8.7691988	2.4783
43.....	10,618.185	152,001.21	3,380.0317	13.3152	98.....	7.6132894	26.048300	6.3723781	2.4214
44.....	10,025.893	141,383.03	3,293.3670	13.1018	99.....	5.4697497	18.435010	4.5913759	2.3704
45.....	9,459.7639	131,357.13	3,204.6618	12.8859	100....	3.8999315	12.965260	3.2820220	2.3245
46.....	8,918.5753	121,897.37	3,113.9381	12.6678	101....	2.7610772	9.0653289	2.3288787	2.2833
47.....	8,401.2979	112,978.79	3,021.3548	12.4478	102....	1.9420628	6.3042517	1.6413442	2.2462
48.....	7,906.7415	104,577.50	2,926.8602	12.2264	103....	1.3577794	4.3621888	1.1495399	2.2127
49.....	7,433.8431	96,670.755	2,830.4733	12.0041	104....	.9440317	3.0044095	.8004484	2.1825
50.....	6,981.8654	89,236.911	2,732.4882	11.7812	105....	.6530272	2.0603778	.5543978	2.1551
51.....	6,550.4526	82,255.046	2,633.5451	11.5572	106....	.4496185	1.4073507	.3820857	2.1301
52.....	6,139.0842	75,704.593	2,534.1030	11.3316	107....	.3082499	.9577321	.2621274	2.1070
53.....	5,746.8259	69,565.509	2,434.1821	11.1050	108....	.2105053	.6494822	.1790614	2.0853
54.....	5,372.7349	63,818.683	2,333.7495	10.8782	109....	.1432439	.4389769	.1218240	2.0645

**TABLE 11G. ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,655,251.5	6,306.5175	15.5525	55.....	2,978.1401	32,038.643	1,164.6318	9.7579
1.....	92,172.642	1,555,251.5	4,139.5364	15.8732	56.....	2,750.1157	29,060.503	1,105.1814	9.5670
2.....	86,826.628	1,463,078.9	4,010.8425	15.8506	57.....	2,535.7623	26,310.388	1,046.4949	9.3757
3.....	81,821.810	1,376,252.3	3,920.7394	15.8201	58.....	2,334.6237	23,774.625	988.89006	9.1835
4.....	77,124.003	1,294,430.4	3,854.3557	15.7838	59.....	2,146.1800	21,440.002	932.59480	8.9898
5.....	72,707.563	1,217,306.4	3,803.4247	15.7425	60.....	1,969.8085	19,293.822	877.70523	8.7948
6.....	68,548.827	1,144,598.9	3,760.2117	15.6976	61.....	1,804.8463	17,324.013	824.24166	8.5986
7.....	64,633.137	1,076,050.0	3,724.6439	15.6486	62.....	1,650.6171	15,519.167	772.17354	8.4020
8.....	60,944.780	1,011,416.9	3,694.7664	15.5956	63.....	1,506.5463	13,868.550	721.53385	8.2055
9.....	57,470.353	950,472.13	3,670.0435	15.5385	64.....	1,372.2078	12,362.003	672.47161	8.0088
10.....	54,197.254	893,001.78	3,649.9831	15.4769	65.....	1,247.2722	10,989.796	625.20811	7.8111
11.....	51,112.612	838,804.52	3,633.1103	15.4109	66.....	1,131.4171	9,742.5235	579.95331	7.6109
12.....	48,203.050	787,691.91	3,616.7157	15.3411	67.....	1,024.2100	8,611.1064	536.78869	7.4076
13.....	45,455.931	739,488.86	3,598.0711	15.2683	68.....	925.07417	7,586.8965	495.62704	7.2014
14.....	42,858.511	694,032.93	3,573.6279	15.1936	69.....	833.34347	6,661.8223	456.25902	6.9941
15.....	40,401.020	651,174.42	3,542.0905	15.1178	70.....	748.40533	5,828.4788	418.49127	6.7879
16.....	38,076.437	610,773.40	3,504.3574	15.0407	71.....	669.74510	5,080.0735	382.19361	6.5851
17.....	35,878.061	572,696.96	3,461.2520	14.9623	72.....	597.07776	4,410.3284	347.43637	6.3865
18.....	33,799.165	536,818.90	3,413.1890	14.8826	73.....	530.23885	3,813.2506	314.39431	6.1916
19.....	31,833.392	503,019.74	3,360.5771	14.8016	74.....	469.20135	3,283.0118	283.37034	5.9970
20.....	29,974.142	471,186.34	3,303.2169	14.7198	75.....	413.83559	2,813.8104	254.56314	5.7993
21.....	28,214.999	441,212.20	3,240.7236	14.6375	76.....	363.80834	2,399.9748	227.96054	5.5968
22.....	26,551.113	412,997.20	3,173.9127	14.5548	77.....	318.66178	2,036.1665	203.40691	5.3897
23.....	24,978.335	386,446.09	3,104.0281	14.4713	78.....	277.96627	1,717.5047	180.74886	5.1788
24.....	23,493.774	361,467.75	3,033.3347	14.3857	79.....	241.25636	1,439.5385	159.77289	4.9668
25.....	22,094.121	337,973.98	2,963.5183	14.2970	80.....	208.10410	1,198.2821	140.27665	4.7581
26.....	20,774.727	315,879.86	2,894.7347	14.2050	81.....	178.12925	990.17800	122.08128	4.5588
27.....	19,530.987	295,105.13	2,826.9229	14.1096	82.....	151.09562	812.04874	105.13043	4.3744
28.....	18,358.759	275,574.14	2,760.2227	14.0105	83.....	126.93030	660.95312	89.517696	4.2072
29.....	17,254.289	257,215.39	2,694.9279	13.9073	84.....	105.71857	534.02283	75.490701	4.0514
30.....	16,213.823	239,961.10	2,631.1196	13.7998	85.....	87.465161	428.30426	63.221363	3.8969
31.....	15,233.652	223,747.27	2,568.7116	13.6877	86.....	71.893061	340.83910	52.600122	3.7409
32.....	14,310.435	208,513.62	2,507.7770	13.5707	87.....	58.627435	268.94603	43.403914	3.5874
33.....	13,440.874	194,203.19	2,448.2402	13.4487	88.....	47.409684	210.31860	35.504697	3.4362
34.....	12,621.741	180,762.31	2,389.9119	13.3215	89.....	37.985444	162.90892	28.764023	3.2887
35.....	11,849.791	168,140.57	2,332.3996	13.1893	90.....	30.127474	124.92347	23.056173	3.1465
36.....	11,122.146	156,290.78	2,275.4983	13.0522	91.....	23.658309	94.795998	18.292337	3.0069
37.....	10,436.036	145,168.63	2,218.9432	12.9103	92.....	18.387193	71.137689	14.360371	2.8689
38.....	9,789.0017	134,732.60	2,162.6280	12.7637	93.....	14.111651	52.750496	11.125613	2.7381
39.....	9,178.6666	124,943.60	2,106.3874	12.6124	94.....	10.665213	38.638845	8.4779474	2.6229
40.....	8,603.0084	115,764.93	2,050.2763	12.4563	95.....	7.9248567	27.973632	6.3412827	2.5299
41.....	8,059.9638	107,161.92	1,994.1945	12.2956	96.....	5.7900798	20.048776	4.6550825	2.4626
42.....	7,547.5478	99,101.958	1,938.0028	12.1304	97.....	4.1910345	14.258696	3.3837777	2.4022
43.....	7,063.7927	91,554.410	1,881.4674	11.9611	98.....	3.0071068	10.067661	2.4370783	2.3480
44.....	6,606.8453	84,490.618	1,824.3573	11.7883	99.....	2.1400671	7.0605546	1.7402522	2.2992
45.....	6,174.9695	77,883.772	1,766.4539	11.6128	100....	1.5114729	4.9204874	1.2327939	2.2554
46.....	5,766.7807	71,708.803	1,707.7917	11.4348	101....	1.0599988	3.4090145	.8668748	2.2161
47.....	5,381.0592	65,942.022	1,648.4918	11.2545	102....	.7385392	2.3490158	.6054151	2.1806
48.....	5,016.5179	60,560.963	1,588.5387	11.0723	103....	.5114732	1.6104766	.4201533	2.1487
49.....	4,671.9872	55,544.445	1,527.9619	10.8888	104....	.3522603	1.0990034	.2898917	2.1199
50.....	4,346.5348	50,872.458	1,466.9616	10.7041	105....	.2413747	.7467431	.1989454	2.0937
51.....	4,039.4890	46,525.923	1,405.9461	10.5178	106....	.1646221	.5053684	.1358555	2.0699
52.....	3,750.0939	42,486.434	1,345.2013	10.3294	107....	.1117971	.3407463	.0923487	2.0479
53.....	3,477.3631	38,736.340	1,284.7399	10.1396	108....	.0756265	.2289492	.0625062	2.0274
54.....	3,220.3334	35,258.977	1,224.5421	9.9489	109....	.0509765	.1533227	.0421370	2.0077

**TABLE 11H. ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,451,552.4	5,038.6249	13.5155	55.....	1,776.8875	17,746.394	615.90840	8.9873
1.....	91,311.215	1,351,552.4	2,891.8960	13.8016	56.....	1,625.5033	15,969.507	580.76920	8.8243
2.....	85,211.284	1,260,241.2	2,765.5963	13.7896	57.....	1,484.7986	14,344.003	546.40576	8.6606
3.....	79,549.114	1,175,029.9	2,677.9960	13.7711	58.....	1,354.2473	12,859.205	512.99085	8.4955
4.....	74,281.030	1,095,480.8	2,614.0593	13.7478	59.....	1,233.3016	11,504.958	480.64079	8.3286
5.....	69,372.928	1,021,199.8	2,565.4642	13.7204	60.....	1,121.3709	10,271.656	449.39331	8.1599
6.....	64,793.666	951,826.88	2,524.6185	13.6901	61.....	1,017.8589	9,150.2851	419.24206	7.9897
7.....	60,521.523	887,033.21	2,491.3133	13.6565	62.....	922.18016	8,132.4262	390.15222	7.8187
8.....	56,534.456	826,511.69	2,463.5979	13.6196	63.....	833.82323	7,210.2461	362.12484	7.6472
9.....	52,813.221	769,977.23	2,440.8784	13.5793	64.....	752.37351	6,376.4228	335.22430	7.4751
10.....	49,339.888	717,164.01	2,422.6159	13.5352	65.....	677.48070	5,624.0493	309.55219	7.3014
11.....	46,096.827	667,824.12	2,407.3989	13.4874	66.....	608.80822	4,946.5686	285.20087	7.1250
12.....	43,066.500	621,727.29	2,392.7513	13.4364	67.....	545.97011	4,337.7604	262.19134	6.9451
13.....	40,232.563	578,660.79	2,376.2492	13.3829	68.....	488.51568	3,791.7903	240.45458	6.7619
14.....	37,579.094	538,428.23	2,354.8169	13.3279	69.....	435.96144	3,303.2746	219.85931	6.5770
15.....	35,093.254	500,849.14	2,327.4228	13.2719	70.....	387.86715	2,867.3132	200.28587	6.3925
16.....	32,764.964	465,755.88	2,294.9533	13.2151	71.....	343.85692	2,479.4460	181.65012	6.2107
17.....	30,584.716	432,990.92	2,258.2076	13.1571	72.....	303.68350	2,135.5891	163.97202	6.0323
18.....	28,543.258	402,406.20	2,217.6185	13.0981	73.....	267.16769	1,831.9056	147.32335	5.8568
19.....	26,631.927	373,862.94	2,173.6032	13.0381	74.....	234.20369	1,564.7379	131.83761	5.6811
20.....	24,842.112	347,231.02	2,126.0640	12.9775	75.....	204.63712	1,330.5342	117.59277	5.5019
21.....	23,165.618	322,388.91	2,074.7546	12.9167	76.....	178.21789	1,125.8971	104.56102	5.3175
22.....	21,595.768	299,223.29	2,020.4128	12.8556	77.....	154.64316	947.67921	92.645406	5.1282
23.....	20,126.650	277,627.52	1,964.1023	12.7940	78.....	133.63337	793.03605	81.752458	4.9344
24.....	18,753.524	257,500.87	1,907.6725	12.7308	79.....	114.90097	659.40268	71.762426	4.7389
25.....	17,471.449	238,747.35	1,852.4635	12.6650	80.....	98.185563	544.50171	62.563906	4.5456
26.....	16,274.573	221,275.90	1,798.5796	12.5964	81.....	83.257687	446.31614	54.059384	4.3607
27.....	15,157.255	205,001.32	1,745.9534	12.5250	82.....	69.962135	363.05846	46.210596	4.1894
28.....	14,114.379	189,844.07	1,694.6737	12.4504	83.....	58.223535	293.09632	39.048958	4.0340
29.....	13,141.279	175,729.69	1,644.9436	12.3723	84.....	48.040402	234.87279	32.674842	3.8891
30.....	12,233.425	162,588.41	1,596.7999	12.2905	85.....	39.374272	186.83238	27.151542	3.7450
31.....	11,386.460	150,354.99	1,550.1528	12.2047	86.....	32.061697	147.45811	22.414854	3.5992
32.....	10,596.432	138,968.53	1,505.0326	12.1147	87.....	25.901357	115.39641	18.352008	3.4552
33.....	9,859.5339	128,372.09	1,461.3595	12.0201	88.....	20.749650	89.495058	14.894782	3.3131
34.....	9,172.1309	118,512.56	1,418.9727	11.9209	89.....	16.469598	68.745408	11.972184	3.1741
35.....	8,530.6818	109,340.43	1,377.5695	11.8173	90.....	12.940486	52.275810	9.5205229	3.0397
36.....	7,932.0193	100,809.75	1,336.9890	11.7092	91.....	10.066852	39.335324	7.4934622	2.9074
37.....	7,373.1455	92,877.729	1,297.0324	11.5968	92.....	7.7508173	29.268472	5.8360068	2.7762
38.....	6,851.3749	85,504.583	1,257.6170	11.4799	93.....	5.8929392	21.517655	4.4851914	2.6514
39.....	6,364.1589	78,653.208	1,218.6218	11.3588	94.....	4.4121041	15.624715	3.3898758	2.5413
40.....	5,909.2702	72,289.049	1,180.0800	11.2332	95.....	3.2478035	11.212611	2.5142174	2.4524
41.....	5,484.5207	66,379.779	1,141.9183	11.1031	96.....	2.3507419	7.9648079	1.8296290	2.3882
42.....	5,087.8412	60,895.258	1,104.0392	10.9688	97.....	1.6856358	5.6140660	1.3183097	2.3305
43.....	4,717.2372	55,807.417	1,066.2846	10.8305	98.....	1.1981562	3.9284302	.9411054	2.2787
44.....	4,370.8509	51,090.180	1,028.5026	10.6888	99.....	.8447225	2.7302740	.6660558	2.2322
45.....	4,046.9586	46,719.329	990.55380	10.5443	100....	.5910294	1.8855515	.4676249	2.1903
46.....	3,744.1175	42,672.371	952.46701	10.3972	101....	.4106163	1.2945221	.3258773	2.1526
47.....	3,461.0342	38,928.253	914.32600	10.2476	102....	.2834174	.8839057	.2255411	2.1187
48.....	3,196.4106	35,467.219	876.12523	10.0960	103....	.1944455	.6004884	.1551105	2.0882
49.....	2,949.0622	32,270.808	837.88780	9.9427	104....	.1326664	.4060429	.1060521	2.0606
50.....	2,717.9880	29,321.746	799.74292	9.7880	105....	.0900557	.2733765	.0721205	2.0356
51.....	2,502.3779	26,603.758	761.94510	9.6314	106....	.0608456	.1833209	.0488020	2.0129
52.....	2,301.3925	24,101.380	724.66669	9.4725	107....	.0409349	.1224752	.0328718	1.9920
53.....	2,114.0764	21,799.988	687.90893	9.3118	108....	.0274321	.0815403	.0220470	1.9724
54.....	1,939.5169	19,685.911	651.65351	9.1499	109....	.0183180	.0541082	.0147275	1.9538

**TABLE 11I. ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,292,749.2	4,240.8017	11.9275	55.....	1,065.2736	9,926.5491	329.97363	8.3183
1.....	90,465.741	1,192,749.2	2,113.9498	12.1845	56.....	965.49295	8,861.2755	309.10216	8.1780
2.....	83,640.603	1,102,283.4	1,989.9783	12.1788	57.....	873.75324	7,895.7826	288.88044	8.0366
3.....	77,359.813	1,018,642.8	1,904.7887	12.1676	58.....	789.54932	7,022.0293	269.39898	7.8937
4.....	71,567.856	941,283.02	1,843.1874	12.1523	59.....	712.37818	6,232.4800	250.71298	7.7488
5.....	66,220.146	869,715.16	1,796.8008	12.1337	60.....	641.72742	5,520.1018	232.83097	7.6019
6.....	61,276.322	803,495.02	1,758.1724	12.1127	61.....	577.09715	4,878.3744	215.73606	7.4533
7.....	56,706.130	742,218.70	1,726.9669	12.0889	62.....	518.00881	4,301.2773	199.39567	7.3035
8.....	52,479.948	685,512.57	1,701.2391	12.0624	63.....	464.03997	3,783.2685	183.79784	7.1529
9.....	48,571.649	633,032.62	1,680.3443	12.0330	64.....	414.83455	3,319.2285	168.96575	7.0013
10.....	44,957.109	584,460.97	1,663.7040	12.0004	65.....	370.08235	2,904.3939	154.94204	6.8480
11.....	41,613.216	539,503.86	1,649.9671	11.9647	66.....	329.48980	2,534.3116	141.76300	6.6916
12.....	38,517.655	497,890.64	1,636.8667	11.9263	67.....	292.74558	2,204.8218	129.42543	6.5315
13.....	35,649.873	459,372.99	1,622.2442	11.8857	68.....	259.51354	1,912.0762	117.87825	6.3679
14.....	32,990.327	423,723.12	1,603.4290	11.8439	69.....	229.45082	1,652.5627	107.03875	6.2023
15.....	30,522.772	390,732.79	1,579.6027	11.8014	70.....	202.24815	1,423.1119	96.832439	6.0365
16.....	28,233.847	360,210.02	1,551.6235	11.7581	71.....	177.63942	1,220.8637	87.205052	5.8727
17.....	26,111.080	331,976.17	1,520.2525	11.7140	72.....	155.43285	1,043.2243	78.156956	5.7117
18.....	24,142.595	305,865.09	1,485.9213	11.6691	73.....	135.47700	887.79145	69.714650	5.5531
19.....	22,317.370	281,722.50	1,449.0368	11.6235	74.....	117.66177	752.31445	61.934758	5.3939
20.....	20,624.763	259,405.13	1,409.5681	11.5774	75.....	101.85587	634.65268	54.844547	5.2309
21.....	19,054.798	238,780.36	1,367.3637	11.5312	76.....	87.884642	532.79681	48.418195	5.0625
22.....	17,599.047	219,725.57	1,323.0790	11.4851	77.....	75.553125	444.91217	42.596652	4.8887
23.....	16,249.949	202,126.52	1,277.6147	11.4386	78.....	64.683968	369.35904	37.324023	4.7102
24.....	15,001.111	185,876.57	1,232.4760	11.3909	79.....	55.101757	304.67508	32.533217	4.5293
25.....	13,846.164	170,875.46	1,188.7228	11.3410	80.....	46.649760	249.57332	28.162831	4.3499
26.....	12,778.215	157,029.29	1,146.4150	11.2888	81.....	39.190982	202.92356	24.159591	4.1778
27.....	11,790.743	144,251.08	1,105.4774	11.2343	82.....	32.627581	163.73258	20.499226	4.0182
28.....	10,877.833	132,460.34	1,065.9566	11.1771	83.....	26.901742	131.10500	17.190245	3.8735
29.....	10,034.096	121,582.50	1,027.9849	11.1169	84.....	21.991178	104.20325	14.272402	3.7384
30.....	9,254.4098	111,548.41	991.56485	11.0535	85.....	17.857244	82.212076	11.767444	3.6039
31.....	8,533.9369	102,294.00	956.60375	10.9867	86.....	14.406166	64.354832	9.6391254	3.4672
32.....	7,868.2898	93,760.060	923.10014	10.9162	87.....	11.530402	49.948666	7.8304846	3.3319
33.....	7,253.3247	85,891.771	890.97129	10.8417	88.....	9.1515092	38.418264	6.3056957	3.1980
34.....	6,685.1476	78,638.446	860.07750	10.7632	89.....	7.1965604	29.266755	5.0286365	3.0668
35.....	6,160.0540	71,953.298	830.18004	10.6806	90.....	5.6021225	22.070195	3.9672771	2.9396
36.....	5,674.7216	65,793.244	801.14793	10.5941	91.....	4.3177321	16.468072	3.0978588	2.8141
37.....	5,226.0508	60,118.523	772.82687	10.5036	92.....	3.2935901	12.150340	2.3935487	2.6891
38.....	4,811.2572	54,892.472	745.14815	10.4092	93.....	2.4809272	8.8567500	1.8248555	2.5699
39.....	4,427.7376	50,081.215	718.01801	10.3108	94.....	1.8402967	6.3758227	1.3679974	2.4646
40.....	4,073.1906	45,653.477	691.45158	10.2083	95.....	1.3421215	4.5355261	1.0061405	2.3794
41.....	3,745.4119	41,580.286	665.39071	10.1017	96.....	.9624254	3.1934045	.7258608	2.3181
42.....	3,442.3457	37,834.874	639.76238	9.9910	97.....	.6837320	2.2309791	.5184581	2.2629
43.....	3,162.0495	34,392.529	614.45476	9.8767	98.....	.4814992	1.5472471	.3668722	2.2134
44.....	2,902.7322	31,230.479	589.36332	9.7590	99.....	.3363228	1.0657479	.2573623	2.1688
45.....	2,662.7461	28,327.747	564.39444	9.6385	100....	.2331371	.7294251	.1790894	2.1287
46.....	2,440.6780	25,665.001	539.56680	9.5155	101....	.1604717	.4962881	.1236935	2.0927
47.....	2,235.2543	23,224.323	514.93403	9.3900	102....	.1097359	.3358164	.0848445	2.0602
48.....	2,045.2370	20,989.069	490.49111	9.2624	103....	.0745899	.2260805	.0578271	2.0310
49.....	1,869.4981	18,943.832	466.25127	9.1331	104....	.0504200	.1514905	.0391824	2.0046
50.....	1,707.0595	17,074.334	442.29400	9.0022	105....	.0339089	.1010705	.0264060	1.9807
51.....	1,557.0911	15,367.274	418.77451	8.8692	106....	.0226982	.0671616	.0177071	1.9589
52.....	1,418.7695	13,810.183	395.79300	8.7339	107....	.0151292	.0444634	.0118195	1.9389
53.....	1,291.2248	12,391.414	373.34228	8.5966	108....	.0100448	.0293342	.0078558	1.9203
54.....	1,173.6396	11,100.189	351.40342	8.4579	109....	.0066454	.0192894	.0052004	1.9027



**TABLE 11J. ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	1,063,029.8	3,360.9268	9.6303	55	388.30235	3,191.4835	98.167485	7.2191
1	88,820.909	963,029.81	1,272.7450	9.8424	56	345.53262	2,803.1812	90.697960	7.1126
2	80,626.776	874,208.90	1,153.2405	9.8427	57	307.01515	2,457.6486	83.592553	7.0050
3	73,216.443	793,582.12	1,072.6137	9.8389	58	272.38384	2,150.6334	76.871712	6.8956
4	66,503.161	720,365.68	1,015.3718	9.8321	59	241.29247	1,878.2496	70.542502	6.7841
5	60,415.099	653,862.52	973.05156	9.8228	60	213.41002	1,636.9571	64.595740	6.6705
6	54,888.215	593,447.42	938.45019	9.8119	61	188.42747	1,423.5471	59.014098	6.5549
7	49,870.934	538,559.20	911.00608	9.7991	62	166.05942	1,235.1196	53.775814	6.4378
8	45,314.997	488,688.27	888.79085	9.7843	63	146.05379	1,069.0602	48.866494	6.3196
9	41,177.738	443,373.27	871.07680	9.7673	64	128.19274	923.00641	44.283060	6.2001
10	37,420.456	402,195.53	857.22611	9.7480	65	112.28402	794.81368	40.028227	6.0786
11	34,007.371	364,775.08	845.99997	9.7264	66	98.150522	682.52966	36.102369	5.9539
12	30,905.280	330,767.71	835.48860	9.7026	67	85.619377	584.37914	32.493999	5.8253
13	28,084.190	299,862.43	823.96936	9.6773	68	74.519992	498.75976	29.178194	5.6930
14	25,516.529	271,778.24	809.41665	9.6511	69	64.689450	424.23977	26.122197	5.5581
15	23,178.751	246,261.71	791.32311	9.6245	70	55.983427	359.55032	23.297033	5.4224
16	21,050.731	223,082.96	770.46223	9.5974	71	48.277562	303.56689	20.680571	5.2879
17	19,114.064	202,032.23	747.49780	9.5698	72	41.474376	255.28933	18.266254	5.1554
18	17,351.747	182,918.16	722.82328	9.5418	73	35.492263	213.81495	16.054538	5.0243
19	15,748.288	165,566.41	696.79566	9.5133	74	30.264575	178.32269	14.053420	4.8921
20	14,289.281	149,818.13	669.45090	9.4847	75	25.722688	148.05811	12.262858	4.7559
21	12,961.547	135,528.85	640.74244	9.4562	76	21.790858	122.33542	10.669454	4.6141
22	11,753.648	122,567.30	611.16655	9.4280	77	18.392673	100.54457	9.2522560	4.4666
23	10,655.323	110,813.65	581.35502	9.3998	78	15.460379	82.151894	7.9920235	4.3137
24	9,657.5976	100,158.33	552.29505	9.3709	79	12.930639	66.691515	6.8677728	4.1576
25	8,751.9783	90,500.730	524.63920	9.3406	80	10.748183	53.760875	5.8608287	4.0019
26	7,930.0880	81,748.752	498.38326	9.3087	81	8.8654919	43.012693	4.9552454	3.8517
27	7,184.2272	73,818.664	473.43953	9.2751	82	7.2465725	34.147201	4.1422798	3.7122
28	6,507.4730	66,634.437	449.79689	9.2397	83	5.8662322	26.900628	3.4207188	3.5857
29	5,893.5816	60,126.964	427.49401	9.2021	84	4.7082379	21.034396	2.7960184	3.4676
30	5,336.7989	54,233.382	406.49143	9.1622	85	3.7536641	16.326158	2.2694662	3.3494
31	4,831.8407	48,896.583	386.69676	9.1197	86	2.9731750	12.572494	1.8302193	3.2286
32	4,373.9579	44,064.743	368.07221	9.0743	87	2.3364020	9.5993191	1.4637349	3.1086
33	3,958.7898	39,690.785	350.53661	9.0260	88	1.8206519	7.2629171	1.1603850	2.9892
34	3,582.3449	35,731.995	333.98167	8.9745	89	1.4056922	5.4422652	.9109391	2.8716
35	3,240.9474	32,149.650	318.25192	8.9198	90	1.0743578	4.0365730	.7073949	2.7572
36	2,931.3191	28,908.703	303.25517	8.8620	91	.8129861	2.9622153	.5436921	2.6436
37	2,650.4720	25,977.384	288.89171	8.8010	92	.6088748	2.1492292	.4134887	2.5298
38	2,395.7376	23,326.912	275.10926	8.7368	93	.4503017	1.5403544	.3102678	2.4207
39	2,164.6796	20,931.174	261.84558	8.6694	94	.3279506	1.0900527	.2288532	2.3238
40	1,955.1386	18,766.494	249.09365	8.5985	95	.2348246	.7621021	.1655409	2.2454
41	1,765.1169	16,811.356	236.81183	8.5242	96	.1653293	.5272775	.1173933	2.1893
42	1,592.7934	15,046.239	224.95345	8.4464	97	.1153187	.3619482	.0824126	2.1387
43	1,436.4969	13,453.446	213.45638	8.3655	98	.0797334	.2466295	.0573109	2.0932
44	1,294.7146	12,016.949	202.26476	8.2815	99	.0546805	.1668961	.0395064	2.0522
45	1,166.0789	10,722.234	191.33031	8.1951	100	.0372150	.1122156	.0270119	2.0153
46	1,049.3968	9,556.1552	180.65539	8.1063	101	.0251499	.0750006	.0183300	1.9821
47	943.59849	8,506.7584	170.25682	8.0152	102	.0168857	.0498507	.0123521	1.9523
48	847.68600	7,563.1599	160.12600	7.9221	103	.0112689	.0329650	.0082704	1.9253
49	760.75965	6,715.4739	150.26202	7.8273	104	.0074788	.0216962	.0055048	1.9010
50	682.02794	5,954.7143	140.69028	7.7309	105	.0049383	.0142173	.0036441	1.8790
51	610.79942	5,272.6863	131.46430	7.6324	106	.0032455	.0092790	.0024003	1.8590
52	546.42116	4,661.8869	122.61326	7.5317	107	.0021239	.0060335	.0015737	1.8407
53	488.25712	4,115.4657	114.12386	7.4289	108	.0013845	.0039096	.0010274	1.8238
54	435.72509	3,627.2086	105.97885	7.3245	109	.0008993	.0025251	.0006681	1.8078

**TABLE 11K. ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK MALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	906,067.74	2,921.3137	8.0607	55.....	144.13733	1,060.6892	30.492053	6.3589
1.....	87,234.821	806,067.74	870.42083	8.2402	56.....	125.97088	916.55188	27.768887	6.2759
2.....	77,772.959	718,832.92	755.14624	8.2427	57.....	109.92983	790.58101	25.224726	6.1917
3.....	69,363.758	641,059.96	678.76209	8.2420	58.....	95.788146	680.65117	22.861234	6.1058
4.....	61,878.665	571,696.20	625.50063	8.2390	59.....	83.339108	584.86303	20.675212	6.0179
5.....	55,210.134	509,817.54	586.82647	8.2341	60.....	72.392665	501.52392	18.657959	5.9278
6.....	49,263.707	454,507.40	555.77076	8.2280	61.....	62.776721	429.13126	16.798372	5.8358
7.....	43,961.260	405,343.70	531.57877	8.2205	62.....	54.336615	366.35453	15.084344	5.7423
8.....	39,231.892	361,382.43	512.34571	8.2114	63.....	46.937133	312.01792	13.506641	5.6476
9.....	35,013.413	322,150.54	497.28347	8.2008	64.....	40.461485	265.08079	12.059972	5.5514
10.....	31,250.409	287,137.13	485.71654	8.1883	65.....	34.807354	224.61930	10.741000	5.4532
11.....	27,892.943	255,886.72	476.50883	8.1739	66.....	29.882735	189.81195	9.5457400	5.3519
12.....	24,895.946	227,993.78	468.04133	8.1579	67.....	25.602033	159.92921	8.4667598	5.2467
13.....	22,219.410	203,097.83	458.92763	8.1406	68.....	21.885166	134.32718	7.4929682	5.1378
14.....	19,827.450	180,878.42	447.61954	8.1226	69.....	18.658863	112.44201	6.6115041	5.0262
15.....	17,689.272	161,050.97	433.81114	8.1044	70.....	15.859367	93.783151	5.8111721	4.9134
16.....	15,778.357	143,361.70	418.17509	8.0860	71.....	13.432176	77.923784	5.0831989	4.8013
17.....	14,070.913	127,583.34	401.26970	8.0672	72.....	11.333278	64.491608	4.4234632	4.6905
18.....	12,545.476	113,512.43	383.42979	8.0481	73.....	9.5254182	53.158329	3.8298827	4.5807
19.....	11,182.835	100,966.95	364.94762	8.0287	74.....	7.9773676	43.632911	3.3024127	4.4696
20.....	9,965.6037	89,784.117	345.87689	8.0094	75.....	6.6591076	35.655544	2.8388706	4.3544
21.....	8,878.1962	79,818.514	326.21262	7.9904	76.....	5.5404965	28.996436	2.4337353	4.2335
22.....	7,907.0642	70,940.317	306.31595	7.9718	77.....	4.5929726	23.455940	2.0798361	4.1069
23.....	7,040.1817	63,033.253	286.61889	7.9534	78.....	3.7917860	18.862967	1.7707536	3.9747
24.....	6,267.0189	55,993.071	267.76126	7.9346	79.....	3.1147152	15.071181	1.4999456	3.8387
25.....	5,577.9266	49,726.052	250.13527	7.9148	80.....	2.5427756	11.956466	1.2617255	3.7021
26.....	4,963.8566	44,148.126	233.70030	7.8939	81.....	2.0599207	9.4136901	1.0513108	3.5699
27.....	4,416.6801	39,184.269	218.36553	7.8719	82.....	1.6536933	7.3537694	.8657892	3.4469
28.....	3,929.1890	34,767.589	204.09019	7.8485	83.....	1.3147895	5.7000762	.7040669	3.3354
29.....	3,494.9786	30,838.400	190.86426	7.8236	84.....	1.0364063	4.3852866	.5665540	3.2312
30.....	3,108.2841	27,343.422	178.63184	7.7970	85.....	.8115247	3.3488803	.4527159	3.1267
31.....	2,763.9307	24,235.137	167.30880	7.7684	86.....	.6313082	2.5373557	.3594485	3.0192
32.....	2,457.3318	21,471.207	156.84535	7.7376	87.....	.4872403	1.9060474	.2830207	2.9119
33.....	2,184.3705	19,013.875	147.16961	7.7045	88.....	.3729041	1.4188071	.2208889	2.8048
34.....	1,941.3593	16,829.504	138.19808	7.6689	89.....	.2827712	1.0459030	.1707100	2.6988
35.....	1,724.9844	14,888.145	129.82597	7.6309	90.....	.2122602	.7631318	.1304959	2.5953
36.....	1,532.3252	13,163.161	121.98653	7.5903	91.....	.1577529	.5508716	.0987308	2.4920
37.....	1,360.7732	11,630.836	114.61222	7.5472	92.....	.1160371	.3931187	.0739171	2.3879
38.....	1,208.0264	10,270.062	107.66256	7.5015	93.....	.0842844	.2770816	.0545969	2.2875
39.....	1,072.0263	9,062.0360	101.09391	7.4532	94.....	.0602874	.1927972	.0396304	2.1980
40.....	950.96394	7,990.0097	94.891474	7.4020	95.....	.0423971	.1325097	.0281995	2.1254
41.....	843.20784	7,039.0458	89.024366	7.3479	96.....	.0293169	.0901126	.0196618	2.0737
42.....	747.30048	6,195.8379	83.460700	7.2910	97.....	.0200836	.0607958	.0135696	2.0271
43.....	661.93474	5,448.5374	78.162874	7.2312	98.....	.0136382	.0407121	.0092760	1.9852
44.....	585.94818	4,786.6027	73.097891	7.1690	99.....	.0091859	.0270739	.0062850	1.9473
45.....	518.30779	4,200.6545	68.237660	7.1046	100.....	.0061402	.0178880	.0042235	1.9132
46.....	458.11467	3,682.3467	63.577518	7.0380	101.....	.0040755	.0117478	.0028166	1.8826
47.....	404.57252	3,224.2321	59.119080	6.9695	102.....	.0026874	.0076723	.0018652	1.8549
48.....	356.95939	2,819.6595	54.853008	6.8991	103.....	.0017615	.0049849	.0012272	1.8300
49.....	314.63420	2,462.7002	50.773472	6.8272	104.....	.0011482	.0032234	.0008026	1.8075
50.....	277.03542	2,148.0660	46.885492	6.7538	105.....	.0007446	.0020753	.0005221	1.7871
51.....	243.67244	1,871.0305	43.204879	6.6785	106.....	.0004806	.0013307	.0003379	1.7687
52.....	214.09669	1,627.3581	39.736898	6.6010	107.....	.0003089	.0008501	.0002176	1.7519
53.....	187.89088	1,413.2614	36.470012	6.5217	108.....	.0001978	.0005412	.0001396	1.7363
54.....	164.68132	1,225.3705	33.391621	6.4409	109.....	.0001262	.0003434	.0000892	1.7217

**TABLE 12A. ACTUARIAL FUNCTIONS AT 1.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0	100,000.00	5,129,543.0	49,212.047	50.2954	55	49,552.323	1,055,718.9	39,099.262	20.3051
1	97,101.980	5,029,543.0	47,304.126	50.7965	56	48,518.593	1,006,166.5	38,556.149	19.7378
2	96,018.476	4,932,441.0	47,182.027	50.3697	57	47,465.595	957,647.94	37,983.534	19.1756
3	94,985.089	4,836,422.5	47,099.318	49.9177	58	46,394.095	910,182.35	37,381.989	18.6185
4	93,982.573	4,741,437.5	47,037.249	49.4502	59	45,304.522	863,788.25	36,751.765	18.0663
5	93,007.388	4,647,454.9	46,992.584	48.9687	60	44,196.580	818,483.73	36,092.382	17.5192
6	92,046.004	4,554,447.5	46,952.066	48.4801	61	43,068.911	774,287.15	35,402.303	16.9779
7	91,100.938	4,462,401.5	46,918.346	47.9830	62	41,919.696	731,218.24	34,679.513	16.4433
8	90,170.987	4,371,300.6	46,890.384	47.4779	63	40,750.510	689,298.54	33,925.373	15.9151
9	89,254.100	4,281,129.6	46,866.279	46.9656	64	39,565.921	648,548.03	33,144.254	15.3916
10	88,348.303	4,191,875.5	46,844.187	46.4472	65	38,371.108	608,982.11	32,341.184	14.8709
11	87,452.574	4,103,527.2	46,823.193	45.9229	66	37,171.346	570,611.00	31,521.334	14.3508
12	86,565.926	4,016,074.6	46,802.412	45.3932	67	35,967.142	533,439.66	30,685.162	13.8313
13	85,685.696	3,929,508.7	46,779.271	44.8596	68	34,753.518	497,472.51	29,827.649	13.3143
14	84,811.023	3,843,823.0	46,752.971	44.3222	69	33,519.252	462,719.00	28,937.477	12.8046
15	83,940.241	3,759,011.9	46,721.902	43.7820	70	32,254.813	429,199.74	28,004.912	12.3065
16	83,073.412	3,675,071.7	46,686.165	43.2388	71	30,954.401	396,944.93	27,023.854	11.8235
17	82,210.600	3,591,998.3	46,645.862	42.6926	72	29,619.991	365,990.53	25,995.923	11.3562
18	81,351.052	3,509,787.7	46,600.280	42.1437	73	28,259.524	336,370.54	24,928.724	10.9029
19	80,495.658	3,428,436.6	46,550.342	41.5916	74	26,888.797	308,111.02	23,837.794	10.4587
20	79,644.476	3,347,941.0	46,496.146	41.0361	75	25,522.527	281,222.22	22,737.749	10.0186
21	78,797.563	3,268,296.5	46,437.793	40.4771	76	24,168.064	255,699.69	21,635.985	9.5801
22	77,954.195	3,189,498.9	46,374.599	39.9150	77	22,824.463	231,531.63	20,531.672	9.1440
23	77,114.451	3,111,544.7	46,306.679	39.3497	78	21,489.119	208,707.17	19,422.313	8.7122
24	76,278.408	3,034,430.3	46,234.145	38.7810	79	20,152.538	187,218.05	18,298.496	8.2900
25	75,446.143	2,958,151.9	46,157.111	38.2088	80	18,804.912	167,065.51	17,150.399	7.8841
26	74,617.729	2,882,705.7	46,075.689	37.6330	81	17,436.436	148,260.60	15,968.110	7.5029
27	73,791.763	2,808,088.0	45,988.512	37.0542	82	16,048.254	130,824.16	14,752.566	7.1519
28	72,969.094	2,734,296.3	45,896.455	36.4720	83	14,657.776	114,775.91	13,520.982	6.8304
29	72,150.540	2,661,327.2	45,800.367	35.8858	84	13,303.020	100,118.13	12,311.353	6.5260
30	71,336.167	2,589,176.6	45,700.357	35.2954	85	12,019.608	86,815.110	11,159.654	6.2228
31	70,525.337	2,517,840.5	45,595.824	34.7012	86	10,816.933	74,795.501	10,075.985	5.9147
32	69,717.437	2,447,315.1	45,486.196	34.1033	87	9,682.6546	63,978.568	9,048.8046	5.6075
33	68,911.200	2,377,597.7	45,370.230	33.5023	88	8,612.0022	54,295.914	8,074.0201	5.3047
34	68,106.099	2,308,686.5	45,247.418	32.8984	89	7,598.5145	45,683.911	7,145.7997	5.0122
35	67,300.964	2,240,580.4	45,116.601	32.2920	90	6,640.1989	38,085.397	6,262.7169	4.7356
36	66,494.018	2,173,279.4	44,976.001	31.6838	91	5,742.3914	31,445.198	5,430.6540	4.4760
37	65,683.581	2,106,785.4	44,823.921	31.0748	92	4,911.2229	25,702.807	4,656.3408	4.2335
38	64,869.365	2,041,101.8	44,660.037	30.4648	93	4,149.1567	20,791.584	3,942.9006	4.0110
39	64,050.470	1,976,232.5	44,483.413	29.8543	94	3,458.3427	16,642.427	3,293.1673	3.8123
40	63,227.326	1,912,182.0	44,294.432	29.2430	95	2,841.0799	13,184.084	2,710.1455	3.6405
41	62,398.485	1,848,954.7	44,091.604	28.6314	96	2,298.7712	10,343.005	2,195.9663	3.4994
42	61,563.210	1,786,556.2	43,874.136	28.0199	97	1,839.6997	8,044.2334	1,759.6550	3.3726
43	60,719.001	1,724,993.0	43,639.464	27.4094	98	1,456.7872	6,204.5337	1,394.9573	3.2591
44	59,864.727	1,664,274.0	43,386.368	26.8006	99	1,141.9913	4,747.7465	1,094.5851	3.1574
45	58,998.170	1,604,409.2	43,112.532	26.1942	100	886.71670	3,605.7552	850.61732	3.0664
46	58,119.039	1,545,411.1	42,817.541	25.5904	101	682.34167	2,719.0385	655.02166	2.9849
47	57,225.963	1,487,292.0	42,499.900	24.9898	102	520.67398	2,036.6968	500.10984	2.9117
48	56,318.279	1,430,066.1	42,158.811	24.3926	103	394.19660	1,516.0228	378.78765	2.8459
49	55,395.440	1,373,747.8	41,793.578	23.7989	104	296.26802	1,121.8262	284.76200	2.7865
50	54,457.557	1,318,352.3	41,404.165	23.2088	105	221.15968	825.55818	212.58700	2.7329
51	53,505.898	1,263,894.8	40,991.689	22.6216	106	164.05888	604.39850	157.67590	2.6840
52	52,541.202	1,210,388.9	40,556.755	22.0369	107	120.99748	440.33963	116.23885	2.6392
53	51,562.167	1,157,847.7	40,097.930	21.4554	108	88.763034	319.34215	85.202399	2.5977
54	50,566.660	1,106,285.5	39,612.939	20.8778	109	64.797893	230.57911	62.116101	2.5584

**TABLE 12B. ACTUARIAL FUNCTIONS AT 1.5 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	4,381,438.5	35,249.461	42.8144	55.....	37,766.545	753,671.34	26,628.328	18.9561
1.....	96,623.645	4,281,438.5	33,350.939	43.3105	56.....	36,796.521	715,904.79	26,216.431	18.4558
2.....	95,074.811	4,184,814.9	33,230.040	43.0160	57.....	35,820.598	679,108.27	25,784.299	17.9586
3.....	93,588.272	4,089,740.1	33,148.548	42.6993	58.....	34,839.502	643,287.67	25,332.571	17.4643
4.....	92,144.339	3,996,151.8	33,087.692	42.3684	59.....	33,853.698	608,448.17	24,861.637	16.9729
5.....	90,739.024	3,904,007.4	33,044.116	42.0246	60.....	32,863.102	574,594.47	24,371.342	16.4845
6.....	89,358.718	3,813,268.4	33,004.781	41.6737	61.....	31,866.848	541,731.37	23,860.750	15.9998
7.....	88,005.572	3,723,909.7	32,972.207	41.3145	62.....	30,863.749	509,864.52	23,328.589	15.5199
8.....	86,678.118	3,635,904.1	32,945.329	40.9472	63.....	29,855.128	479,000.77	22,776.082	15.0442
9.....	85,374.104	3,549,226.0	32,922.271	40.5726	64.....	28,844.466	449,145.65	22,206.629	14.5713
10.....	84,091.389	3,463,851.9	32,901.243	40.1915	65.....	27,835.620	420,301.18	21,624.056	14.0994
11.....	82,828.776	3,379,760.5	32,881.360	39.8042	66.....	26,832.440	392,465.56	21,032.241	13.6265
12.....	81,585.120	3,296,931.7	32,861.775	39.4109	67.....	25,835.278	365,633.12	20,431.617	13.1525
13.....	80,357.726	3,215,346.6	32,840.072	39.0129	68.....	24,840.556	339,797.84	19,818.697	12.6792
14.....	79,145.631	3,134,988.9	32,815.529	38.6104	69.....	23,840.326	314,957.29	19,185.569	12.2111
15.....	77,947.140	3,055,843.3	32,786.678	38.2040	70.....	22,827.993	291,116.96	18,525.556	11.7526
16.....	76,762.190	2,977,896.1	32,753.656	37.7938	71.....	21,799.721	268,288.97	17,834.644	11.3070
17.....	75,590.715	2,901,133.9	32,716.599	37.3795	72.....	20,757.201	246,489.24	17,114.286	10.8749
18.....	74,431.906	2,825,543.2	32,674.893	36.9615	73.....	19,706.252	225,732.04	16,370.095	10.4548
19.....	73,286.461	2,751,111.3	32,629.428	36.5391	74.....	18,658.035	206,025.79	15,613.103	10.0422
20.....	72,154.312	2,677,824.9	32,580.329	36.1125	75.....	17,622.744	187,367.76	14,853.546	9.6322
21.....	71,035.387	2,605,670.5	32,527.724	35.6813	76.....	16,605.313	169,745.01	14,096.549	9.2223
22.....	69,928.914	2,534,635.2	32,471.036	35.2459	77.....	15,604.904	153,139.70	13,341.539	8.8136
23.....	68,834.854	2,464,706.2	32,410.408	34.8061	78.....	14,619.566	137,534.80	12,586.816	8.4076
24.....	67,753.164	2,395,871.4	32,345.981	34.3618	79.....	13,642.719	122,915.23	11,826.022	8.0096
25.....	66,683.798	2,328,118.2	32,277.894	33.9128	80.....	12,667.702	109,272.51	11,052.621	7.6261
26.....	65,626.712	2,261,434.4	32,206.283	33.4591	81.....	11,687.983	96,604.809	10,260.110	7.2653
27.....	64,580.564	2,195,807.7	32,129.988	33.0011	82.....	10,704.465	84,916.826	9,449.3205	6.9328
28.....	63,546.003	2,131,227.1	32,049.819	32.5383	83.....	9,728.8296	74,212.361	8,631.8790	6.6281
29.....	62,523.632	2,067,681.1	31,966.552	32.0704	84.....	8,786.1396	64,483.531	7,832.9648	6.3392
30.....	61,513.398	2,005,157.5	31,880.312	31.5971	85.....	7,899.3887	55,697.392	7,076.0584	6.0508
31.....	60,514.639	1,943,644.1	31,790.618	31.1186	86.....	7,073.9610	47,798.003	6,367.3703	5.7569
32.....	59,526.730	1,883,129.5	31,697.014	30.6350	87.....	6,300.9826	40,724.042	5,698.9333	5.4631
33.....	58,548.497	1,823,602.7	31,598.487	30.1469	88.....	5,576.6490	34,423.059	5,067.7176	5.1727
34.....	57,579.419	1,765,054.2	31,494.657	29.6543	89.....	4,896.1330	28,846.410	4,469.6151	4.8917
35.....	56,618.438	1,707,474.8	31,384.604	29.1576	90.....	4,257.5615	23,950.277	3,903.4003	4.6254
36.....	55,664.013	1,650,856.4	31,266.904	28.6575	91.....	3,663.7680	19,692.716	3,372.5264	4.3750
37.....	54,714.709	1,595,192.4	31,140.221	28.1547	92.....	3,118.0290	16,028.948	2,880.9318	4.1407
38.....	53,770.273	1,540,477.7	31,004.377	27.6492	93.....	2,621.2333	12,910.919	2,430.2153	3.9255
39.....	52,829.956	1,486,707.4	30,858.694	27.1414	94.....	2,174.0483	10,289.686	2,021.7678	3.7330
40.....	51,894.111	1,433,877.4	30,703.588	26.6308	95.....	1,777.2149	8,115.6374	1,657.0631	3.5665
41.....	50,961.551	1,381,983.3	30,537.936	26.1182	96.....	1,430.8943	6,338.4225	1,337.0069	3.4297
42.....	50,031.691	1,331,021.8	30,361.202	25.6036	97.....	1,139.4994	4,907.5282	1,066.7582	3.3067
43.....	49,102.531	1,280,990.1	30,171.427	25.0881	98.....	897.88062	3,768.0288	841.97927	3.1966
44.....	48,173.211	1,231,887.6	29,967.760	24.5720	99.....	700.39112	2,870.1481	657.75894	3.0979
45.....	47,242.020	1,183,714.3	29,748.489	24.0564	100....	541.15047	2,169.7570	508.86890	3.0095
46.....	46,308.816	1,136,472.3	29,513.442	23.5412	101....	414.37198	1,628.6065	390.08770	2.9303
47.....	45,372.602	1,090,163.5	29,261.595	23.0269	102....	314.63693	1,214.2346	296.47638	2.8592
48.....	44,432.965	1,044,790.9	28,992.489	22.5139	103....	237.03475	899.59763	223.52401	2.7952
49.....	43,489.585	1,000,357.9	28,705.754	22.0022	104....	177.27164	662.56288	167.26387	2.7376
50.....	42,542.669	956,868.36	28,401.541	21.4920	105....	131.67877	485.29124	124.29078	2.6854
51.....	41,593.318	914,325.69	28,080.899	20.9825	106....	97.199689	353.61248	91.757691	2.6380
52.....	40,642.204	872,732.37	27,744.465	20.4735	107....	71.334037	256.41279	67.328489	2.5945
53.....	39,688.413	832,090.17	27,391.298	19.9656	108....	52.072442	185.07875	49.121090	2.5543
54.....	38,730.417	792,401.75	27,019.830	19.4594	109....	37.826140	133.00631	35.644332	2.5163

**TABLE 12C. ACTUARIAL FUNCTIONS AT 2.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	3,791,393.8	25,658.827	36.9139	55.....	28,822.399	540,228.06	18,229.575	17.7433
1.....	96,150.000	3,691,393.8	23,769.611	37.3920	56.....	27,944.446	511,405.66	17,916.767	17.3008
2.....	94,144.990	3,595,243.8	23,649.895	37.1884	57.....	27,069.950	483,461.22	17,590.200	16.8597
3.....	92,218.709	3,501,098.9	23,569.595	36.9652	58.....	26,199.465	456,391.27	17,250.499	16.4199
4.....	90,350.828	3,408,880.1	23,509.924	36.7294	59.....	25,333.341	430,191.80	16,898.090	15.9812
5.....	88,536.726	3,318,529.3	23,467.406	36.4820	60.....	24,471.511	404,858.46	16,532.992	15.5441
6.....	86,762.519	3,229,992.6	23,429.213	36.2280	61.....	23,613.329	380,386.95	16,154.644	15.1090
7.....	85,029.820	3,143,230.1	23,397.741	35.9662	62.....	22,757.924	356,773.62	15,762.246	14.6769
8.....	83,336.727	3,058,200.2	23,371.898	35.6969	63.....	21,906.287	334,015.70	15,356.842	14.2475
9.....	81,680.614	2,974,863.5	23,349.839	35.4207	64.....	21,060.962	312,109.41	14,941.052	13.8193
10.....	80,059.013	2,893,182.9	23,329.819	35.1381	65.....	20,224.718	291,048.45	14,517.768	13.3907
11.....	78,470.391	2,813,123.9	23,310.982	34.8495	66.....	19,400.263	270,823.73	14,089.877	12.9598
12.....	76,913.292	2,734,653.5	23,292.518	34.5550	67.....	18,587.735	251,423.47	13,657.745	12.5263
13.....	75,384.829	2,657,740.2	23,272.158	34.2556	68.....	17,784.453	232,835.73	13,218.929	12.0921
14.....	73,883.784	2,582,355.4	23,249.247	33.9516	69.....	16,984.676	215,051.28	12,767.866	11.6615
15.....	72,408.282	2,508,471.6	23,222.446	33.6434	70.....	16,183.732	198,066.60	12,299.955	11.2386
16.....	70,957.986	2,436,063.3	23,191.921	33.3311	71.....	15,378.988	181,882.87	11,812.539	10.8267
17.....	69,532.566	2,365,105.3	23,157.834	33.0144	72.....	14,571.742	166,503.88	11,306.842	10.4265
18.....	68,131.007	2,295,572.8	23,119.659	32.6935	73.....	13,766.153	151,932.14	10,786.974	10.0366
19.....	66,753.692	2,227,441.8	23,078.246	32.3681	74.....	12,970.010	138,165.99	10,260.756	9.6527
20.....	65,400.294	2,160,688.1	23,033.744	32.0379	75.....	12,190.284	125,195.98	9,735.3432	9.2701
21.....	64,070.488	2,095,287.8	22,986.296	31.7029	76.....	11,430.184	113,005.70	9,214.2683	8.8866
22.....	62,763.324	2,031,217.3	22,935.417	31.3631	77.....	10,688.903	101,575.51	8,697.1085	8.5029
23.....	61,478.522	1,968,454.0	22,881.268	31.0186	78.....	9,964.8868	90,886.609	8,182.6789	8.1207
24.....	60,215.801	1,906,975.4	22,824.009	30.6690	79.....	9,253.4720	80,921.723	7,666.6540	7.7450
25.....	58,974.884	1,846,759.6	22,763.793	30.3143	80.....	8,550.0267	71,668.251	7,144.6494	7.3822
26.....	57,755.491	1,787,784.8	22,700.771	29.9544	81.....	7,850.0981	63,118.224	6,612.3683	7.0404
27.....	56,556.215	1,730,029.3	22,633.955	29.5896	82.....	7,154.2869	55,268.126	6,070.4806	6.7252
28.....	55,377.406	1,673,473.0	22,564.092	29.2194	83.....	6,470.3511	48,113.839	5,526.8250	6.4360
29.....	54,219.367	1,618,095.6	22,491.884	28.8435	84.....	5,814.7523	41,643.488	4,998.0958	6.1617
30.....	53,081.824	1,563,876.3	22,417.465	28.4616	85.....	5,202.2651	35,828.735	4,499.6233	5.8871
31.....	51,963.983	1,510,794.4	22,340.445	28.0739	86.....	4,635.8302	30,626.470	4,035.1936	5.6065
32.....	50,865.097	1,458,830.5	22,260.461	27.6804	87.....	4,109.0272	25,990.640	3,599.2892	5.3253
33.....	49,783.965	1,407,965.4	22,176.683	27.2815	88.....	3,618.8444	21,881.613	3,189.6756	5.0466
34.....	48,719.954	1,358,181.4	22,088.829	26.8773	89.....	3,161.6637	18,262.769	2,803.4527	4.7763
35.....	47,671.998	1,309,461.4	21,996.166	26.4681	90.....	2,735.8310	15,101.105	2,439.6134	4.5198
36.....	46,638.637	1,261,789.5	21,897.550	26.0546	91.....	2,342.7297	12,365.274	2,100.1558	4.2781
37.....	45,618.531	1,215,150.8	21,791.927	25.6372	92.....	1,983.9934	10,022.544	1,787.3554	4.0517
38.....	44,611.346	1,169,532.3	21,679.223	25.2160	93.....	1,659.7078	8,038.5507	1,501.9716	3.8434
39.....	43,616.338	1,124,920.9	21,558.947	24.7913	94.....	1,369.8121	6,378.8429	1,244.6192	3.6567
40.....	42,633.687	1,081,304.6	21,431.519	24.3627	95.....	1,114.2885	5,009.0308	1,015.9546	3.4953
41.....	41,662.308	1,038,670.9	21,296.094	23.9307	96.....	892.75262	3,894.7423	816.26757	3.3626
42.....	40,701.624	997,008.60	21,152.318	23.4955	97.....	707.46269	3,001.9897	648.48260	3.2433
43.....	39,749.924	956,306.98	20,998.690	23.0581	98.....	554.72011	2,294.5270	509.61183	3.1364
44.....	38,806.448	916,557.06	20,834.624	22.6187	99.....	430.58789	1,739.8069	396.35648	3.0405
45.....	37,869.767	877,750.61	20,658.853	22.1781	100....	331.05876	1,309.2190	305.27025	2.9546
46.....	36,939.730	839,880.84	20,471.361	21.7365	101....	252.25704	978.16023	232.95988	2.8776
47.....	36,015.513	802,941.11	20,271.452	21.2943	102....	190.60245	725.90319	176.25151	2.8085
48.....	35,096.764	766,925.60	20,058.890	20.8517	103....	142.88831	535.30074	132.27466	2.7463
49.....	34,183.216	731,828.83	19,833.513	20.4090	104....	106.33832	392.41243	98.526407	2.6902
50.....	33,275.015	697,645.62	19,595.571	19.9660	105....	78.601740	286.07412	72.874894	2.6395
51.....	32,373.001	664,370.60	19,346.009	19.5224	106....	57.736060	207.47238	53.550426	2.5935
52.....	31,477.665	631,997.60	19,085.438	19.0777	107....	42.164305	149.73632	39.110750	2.5513
53.....	30,588.267	600,519.94	18,813.249	18.6324	108....	30.628234	107.57201	28.401430	2.5122
54.....	29,703.606	569,931.67	18,528.358	18.1873	109....	22.139709	76.943777	20.513459	2.4754

**TABLE 12D. ACTUARIAL FUNCTIONS AT 3.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,939,676.3	14,378.325	28.3968	55.....	16,853.582	280,806.93	8,674.7042	15.6616
1.....	95,216.505	2,839,676.3	12,507.451	28.8234	56.....	16,181.566	263,953.35	8,493.5691	15.3120
2.....	92,325.806	2,744,459.8	12,390.049	28.7258	57.....	15,522.992	247,771.78	8,306.3028	14.9616
3.....	89,558.721	2,652,134.0	12,312.065	28.6134	58.....	14,877.959	232,248.79	8,113.3958	14.6103
4.....	86,892.827	2,562,575.3	12,254.678	28.4912	59.....	14,246.440	217,370.83	7,915.2156	14.2579
5.....	84,321.474	2,475,682.4	12,214.184	28.3600	60.....	13,628.172	203,124.39	7,711.8926	13.9047
6.....	81,829.488	2,391,361.0	12,178.163	28.2237	61.....	13,022.579	189,496.22	7,503.2360	13.5514
7.....	79,416.710	2,309,531.5	12,148.768	28.0812	62.....	12,428.977	176,473.64	7,288.9324	13.1986
8.....	77,079.700	2,230,114.8	12,124.866	27.9326	63.....	11,847.711	164,044.67	7,069.6756	12.8461
9.....	74,814.455	2,153,035.1	12,104.660	27.7783	64.....	11,279.941	152,196.96	6,846.9847	12.4927
10.....	72,617.234	2,078,220.6	12,086.502	27.6188	65.....	10,726.895	140,917.02	6,622.4810	12.1368
11.....	70,485.248	2,005,603.4	12,069.581	27.4542	66.....	10,189.717	130,190.12	6,397.7369	11.7766
12.....	68,415.856	1,935,118.1	12,053.157	27.2846	67.....	9,668.1620	120,000.40	6,172.9696	11.4119
13.....	66,405.227	1,866,702.3	12,035.223	27.1108	68.....	9,160.5366	110,332.24	5,946.9411	11.0443
14.....	64,451.108	1,800,297.0	12,015.237	26.9328	69.....	8,663.6441	101,171.70	5,716.8604	10.6777
15.....	62,550.739	1,735,845.9	11,992.085	26.7510	70.....	8,174.9473	92,508.060	5,480.5027	10.3160
16.....	60,702.760	1,673,295.2	11,965.971	26.5654	71.....	7,693.0223	84,333.113	5,236.6830	9.9623
17.....	58,905.840	1,612,592.4	11,937.093	26.3758	72.....	7,218.4450	76,640.091	4,986.1742	9.6173
18.....	57,158.110	1,553,686.6	11,905.067	26.1823	73.....	6,753.1706	69,421.646	4,731.1459	9.2799
19.....	55,458.904	1,496,528.5	11,870.661	25.9845	74.....	6,300.8393	62,668.475	4,475.5089	8.9461
20.....	53,806.983	1,441,069.6	11,834.047	25.7822	75.....	5,864.5521	56,367.636	4,222.7412	8.6116
21.....	52,201.132	1,387,262.6	11,795.390	25.5753	76.....	5,445.4928	50,503.084	3,974.4942	8.2743
22.....	50,639.659	1,335,061.5	11,754.338	25.3640	77.....	5,042.8964	45,057.591	3,730.5044	7.9349
23.....	49,121.453	1,284,421.8	11,711.074	25.1479	78.....	4,655.6705	40,014.694	3,490.1589	7.5948
24.....	47,645.424	1,235,300.4	11,665.767	24.9269	79.....	4,281.3185	35,359.024	3,251.4089	7.2589
25.....	46,210.511	1,187,654.9	11,618.584	24.7010	80.....	3,917.4480	31,077.705	3,012.2370	6.9332
26.....	44,815.671	1,141,444.4	11,569.682	24.4698	81.....	3,561.8350	27,160.257	2,770.7245	6.6254
27.....	43,459.018	1,096,628.8	11,518.340	24.2336	82.....	3,214.6079	23,598.422	2,527.2402	6.3410
28.....	42,140.058	1,053,169.7	11,465.176	23.9921	83.....	2,879.0715	20,383.815	2,285.3331	6.0800
29.....	40,858.264	1,011,029.7	11,410.763	23.7448	84.....	2,562.2339	17,504.743	2,052.3520	5.8318
30.....	39,612.682	970,171.41	11,355.227	23.4914	85.....	2,270.0895	14,942.509	1,834.8357	5.5823
31.....	38,401.995	930,558.73	11,298.308	23.2320	86.....	2,003.2768	12,672.420	1,634.1422	5.3258
32.....	37,224.955	892,156.73	11,239.773	22.9666	87.....	1,758.3908	10,669.143	1,447.6040	5.0676
33.....	36,080.017	854,931.78	11,179.056	22.6954	88.....	1,533.5899	8,910.7520	1,274.0184	4.8104
34.....	34,966.090	818,851.76	11,116.004	22.4185	89.....	1,326.8382	7,377.1620	1,111.9343	4.5600
35.....	33,881.802	783,885.67	11,050.145	22.1359	90.....	1,136.9844	6,050.3238	960.72631	4.3214
36.....	32,825.545	750,003.87	10,980.737	21.8482	91.....	964.16277	4,913.3394	821.02073	4.0960
37.....	31,795.843	717,178.32	10,907.119	21.5557	92.....	808.59557	3,949.1767	693.53595	3.8840
38.....	30,791.958	685,382.48	10,829.327	21.2585	93.....	669.86255	3,140.5811	578.35426	3.6884
39.....	29,812.894	654,590.52	10,747.115	20.9566	94.....	547.49232	2,470.7185	475.49459	3.5128
40.....	28,858.302	624,777.63	10,660.861	20.6498	95.....	441.03962	1,923.2262	384.98826	3.3607
41.....	27,926.992	595,919.33	10,570.083	20.3385	96.....	349.92426	1,482.1866	306.71871	3.2357
42.....	27,018.144	567,992.33	10,474.643	20.0226	97.....	274.60561	1,132.2623	241.59203	3.1232
43.....	26,130.218	540,974.19	10,373.653	19.7030	98.....	213.22726	857.65674	188.21190	3.0223
44.....	25,262.339	514,843.97	10,266.849	19.3799	99.....	163.90552	644.42948	145.10066	2.9317
45.....	24,413.231	489,581.63	10,153.536	19.0539	100....	124.79575	480.52397	110.76484	2.8505
46.....	23,582.470	465,168.40	10,033.840	18.7252	101....	94.167480	355.72822	83.771403	2.7776
47.....	22,769.218	441,585.93	9,907.4566	18.3940	102....	70.461046	261.56074	62.807711	2.7121
48.....	21,972.958	418,816.72	9,774.3783	18.0606	103....	52.309459	191.09969	46.708388	2.6533
49.....	21,193.238	396,843.76	9,634.6473	17.7250	104....	38.551056	138.79023	34.473561	2.6002
50.....	20,429.870	375,650.52	9,488.5580	17.3873	105....	28.218999	100.23918	25.264350	2.5522
51.....	19,683.089	355,220.65	9,336.8216	17.0470	106....	20.526719	72.020177	18.393983	2.5086
52.....	18,952.904	335,537.56	9,179.9302	16.7038	107....	14.845003	51.493458	13.310132	2.4687
53.....	18,238.582	316,584.66	9,017.6344	16.3580	108....	10.877446	36.648455	9.5762538	2.4319
54.....	17,539.141	298,346.07	8,849.4145	16.0103	109....	7.6442193	25.969710	6.8527590	2.3973

**TABLE 12E. ACTUARIAL FUNCTIONS AT 4.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	2,371,569.2	8,785.7901	22.7157	55.....	9,906.1732	148,105.49	4,209.7975	13.9508
1.....	94,300.962	2,271,569.2	6,932.9055	23.0885	56.....	9,419.7229	138,199.32	4,104.3539	13.6713
2.....	90,558.845	2,177,268.2	6,817.7495	23.0426	57.....	8,949.4614	128,779.60	3,996.3894	13.3896
3.....	87,000.057	2,086,709.4	6,741.9936	22.9851	58.....	8,495.1041	119,830.13	3,886.2422	13.1058
4.....	83,598.689	1,999,709.3	6,686.7820	22.9203	59.....	8,056.2993	111,335.03	3,774.1722	12.8196
5.....	80,344.771	1,916,110.6	6,648.1980	22.8486	60.....	7,632.5689	103,278.73	3,660.2995	12.5313
6.....	77,220.596	1,835,765.9	6,614.2060	22.7730	61.....	7,223.2724	95,646.162	3,544.5633	12.2414
7.....	74,223.100	1,758,545.3	6,586.7333	22.6927	62.....	6,827.2288	88,422.890	3,426.8378	11.9506
8.....	71,346.241	1,684,322.2	6,564.6091	22.6077	63.....	6,445.8355	81,595.161	3,307.5495	11.6586
9.....	68,583.632	1,612,975.9	6,546.0865	22.5184	64.....	6,077.9271	75,149.325	3,187.5578	11.3643
10.....	65,929.314	1,544,392.3	6,529.6000	22.4250	65.....	5,724.3554	69,071.398	3,067.7525	11.0662
11.....	63,378.357	1,478,463.0	6,514.3856	22.3276	66.....	5,385.4075	63,347.043	2,948.9722	10.7627
12.....	60,926.102	1,415,084.6	6,499.7598	22.2262	67.....	5,060.6260	57,961.635	2,831.3217	10.4535
13.....	58,566.973	1,354,158.5	6,483.9425	22.1215	68.....	4,748.8136	52,901.009	2,714.1488	10.1398
14.....	56,296.939	1,295,591.5	6,466.4850	22.0135	69.....	4,448.0402	48,152.196	2,596.0220	9.8255
15.....	54,111.644	1,239,294.6	6,446.4563	21.9025	70.....	4,156.7791	43,704.156	2,475.8394	9.5139
16.....	52,008.054	1,185,183.0	6,424.0832	21.7885	71.....	3,874.1181	39,547.377	2,353.0546	9.2081
17.....	49,983.240	1,133,174.9	6,399.5794	21.6711	72.....	3,600.1732	35,673.259	2,228.1142	8.9088
18.....	48,033.894	1,083,191.7	6,372.6653	21.5506	73.....	3,335.7336	32,073.085	2,102.1428	8.6150
19.....	46,157.801	1,035,157.8	6,344.0298	21.4265	74.....	3,082.3782	28,737.352	1,977.0849	8.3231
20.....	44,352.321	988,999.97	6,313.8497	21.2987	75.....	2,841.3599	25,654.973	1,854.6196	8.0291
21.....	42,614.904	944,647.65	6,282.2913	21.1671	76.....	2,612.9583	22,813.614	1,735.5011	7.7310
22.....	40,942.679	902,032.75	6,249.1008	21.0316	77.....	2,396.5099	20,200.655	1,619.5510	7.4292
23.....	39,333.316	861,090.07	6,214.4570	20.8921	78.....	2,191.2166	17,804.145	1,506.4312	7.1252
24.....	37,784.567	821,756.75	6,178.5275	20.7485	79.....	1,995.6505	15,612.929	1,395.1426	6.8235
25.....	36,294.256	783,972.18	6,141.4696	20.6004	80.....	1,808.4815	13,617.278	1,284.7294	6.5297
26.....	34,860.284	747,677.93	6,103.4304	20.4478	81.....	1,628.5028	11,808.797	1,174.3077	6.2513
27.....	33,479.951	712,817.64	6,063.8774	20.2909	82.....	1,455.6153	10,180.294	1,064.0550	5.9938
28.....	32,151.699	679,337.69	6,023.3152	20.1291	83.....	1,291.1448	8,724.6787	955.56963	5.7573
29.....	30,873.978	647,185.99	5,982.1981	19.9622	84.....	1,138.0076	7,433.5339	852.09183	5.5321
30.....	29,644.956	616,312.02	5,940.6370	19.7898	85.....	998.55786	6,295.5263	756.41165	5.3046
31.....	28,462.578	586,667.06	5,898.4499	19.6119	86.....	872.72037	5,296.9685	668.98023	5.0695
32.....	27,324.896	558,204.48	5,855.4824	19.4284	87.....	758.67092	4,424.2481	588.49695	4.8316
33.....	26,229.798	530,879.59	5,811.3422	19.2396	88.....	655.31660	3,665.5772	514.32228	4.5936
34.....	25,175.562	504,649.79	5,765.9444	19.0452	89.....	561.51811	3,010.2606	445.72828	4.3609
35.....	24,160.309	479,474.22	5,718.9823	18.8455	90.....	476.54530	2,448.7425	382.35232	4.1385
36.....	23,182.049	455,313.92	5,669.9648	18.6408	91.....	400.22474	1,972.1972	324.36042	3.9277
37.....	22,238.941	432,131.87	5,618.4739	18.4313	92.....	332.42128	1,571.9724	271.95022	3.7289
38.....	21,329.710	409,892.93	5,564.5872	18.2170	93.....	272.73887	1,239.5512	225.05325	3.5448
39.....	20,452.936	388,563.22	5,508.1865	17.9979	94.....	220.77163	966.81229	183.57596	3.3792
40.....	19,607.679	368,110.28	5,449.5810	17.7738	95.....	176.13543	746.04066	147.43097	3.2356
41.....	18,792.452	348,502.60	5,388.4955	17.5448	96.....	138.40349	569.90524	116.47348	3.1177
42.....	18,006.060	329,710.15	5,324.8903	17.3111	97.....	107.56879	431.50174	90.961990	3.0114
43.....	17,246.863	311,704.09	5,258.2333	17.0731	98.....	82.722469	323.93295	70.252929	2.9159
44.....	16,513.705	294,457.22	5,188.4166	16.8311	99.....	62.976457	241.21048	53.688550	2.8302
45.....	15,805.204	277,943.52	5,115.0577	16.5856	100....	47.488487	178.23403	40.622752	2.7532
46.....	15,120.565	262,138.32	5,038.3113	16.3365	101....	35.488968	130.74554	30.449713	2.6841
47.....	14,458.749	247,017.75	4,958.0560	16.0843	102....	26.299373	95.256571	22.625078	2.6220
48.....	13,818.950	232,559.00	4,874.3620	15.8290	103....	19.336614	68.957198	16.673834	2.5661
49.....	13,200.419	218,740.05	4,787.3292	15.5707	104....	14.113683	49.620583	12.194619	2.5158
50.....	12,602.592	205,539.63	4,697.2110	15.3093	105....	10.231742	35.506900	8.8555112	2.4703
51.....	12,025.175	192,937.04	4,604.5092	15.0444	106....	7.3710844	25.275159	6.3883825	2.4290
52.....	11,467.739	180,911.87	4,509.5797	14.7757	107....	5.2795392	17.904074	4.5803405	2.3912
53.....	10,929.417	169,444.13	4,412.3245	14.5035	108....	3.7613163	12.624535	3.2651768	2.3564
54.....	10,409.219	158,514.71	4,312.4885	14.2283	109....	2.6665925	8.8632187	2.3151189	2.3238

**TABLE 12F. ACTUARIAL FUNCTIONS AT 5.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,975,938.4	5,907.6934	18.7594	55.....	5,852.3208	79,182.624	2,081.7165	12.5301
1.....	93,402.857	1,875,938.4	4,072.4553	19.0844	56.....	5,511.9387	73,330.303	2,020.0163	12.3039
2.....	88,842.129	1,782,535.5	3,959.4823	19.0641	57.....	5,186.8918	67,818.364	1,957.4427	12.0750
3.....	84,537.939	1,693,693.4	3,885.8702	19.0347	58.....	4,876.6663	62,631.472	1,894.2120	11.8431
4.....	80,459.185	1,609,155.4	3,832.7321	18.9996	59.....	4,580.7223	57,754.806	1,830.4902	11.6082
5.....	76,591.014	1,528,696.3	3,795.9508	18.9592	60.....	4,298.4626	53,174.084	1,766.3601	11.3705
6.....	72,911.728	1,452,105.2	3,763.8555	18.9159	61.....	4,029.2151	48,875.621	1,701.8013	11.1303
7.....	69,414.048	1,379,193.5	3,738.1628	18.8691	62.....	3,772.3046	44,846.406	1,636.7583	10.8883
8.....	66,088.123	1,309,779.5	3,717.6691	18.8187	63.....	3,527.3922	41,074.101	1,571.4794	10.6443
9.....	62,924.076	1,243,691.3	3,700.6750	18.7650	64.....	3,294.3828	37,546.709	1,506.4410	10.3972
10.....	59,912.709	1,180,767.3	3,685.6931	18.7081	65.....	3,073.1885	34,252.326	1,442.1221	10.1455
11.....	57,046.029	1,120,854.6	3,671.9988	18.6482	66.....	2,863.6849	31,179.138	1,378.9608	9.8878
12.....	54,316.512	1,063,808.5	3,658.9597	18.5854	67.....	2,665.3542	28,315.453	1,316.9961	9.6235
13.....	51,716.044	1,009,492.0	3,644.9926	18.5199	68.....	2,477.3071	25,650.099	1,255.8706	9.3540
14.....	49,238.107	957,775.98	3,629.7240	18.4519	69.....	2,298.3040	23,172.792	1,194.8345	9.0826
15.....	46,876.085	908,537.87	3,612.3734	18.3817	70.....	2,127.3540	20,874.488	1,133.3275	8.8124
16.....	44,624.693	861,661.79	3,593.1766	18.3091	71.....	1,963.8111	18,747.134	1,071.0872	8.5463
17.....	42,478.883	817,037.09	3,572.3517	18.2340	72.....	1,807.5665	16,783.323	1,008.3575	8.2850
18.....	40,433.424	774,558.21	3,549.6963	18.1564	73.....	1,658.8469	14,975.756	945.71239	8.0278
19.....	38,484.148	734,124.79	3,525.8213	18.0760	74.....	1,518.2556	13,316.909	884.11387	7.7712
20.....	36,626.646	695,640.64	3,500.8983	17.9927	75.....	1,386.2108	11,798.654	824.36690	7.5114
21.....	34,856.707	659,013.99	3,475.0852	17.9064	76.....	1,262.6400	10,412.443	766.80615	7.2466
22.....	33,169.974	624,157.28	3,448.1957	17.8169	77.....	1,147.0182	9,149.8028	711.31011	6.9770
23.....	31,562.652	590,987.31	3,420.3961	17.7243	78.....	1,038.7725	8,002.7846	657.68428	6.7041
24.....	30,031.112	559,424.66	3,391.8395	17.6282	79.....	937.05193	6,964.0121	605.42908	6.4318
25.....	28,571.886	529,393.55	3,362.6664	17.5285	80.....	841.07996	6,026.9602	554.07863	6.1657
26.....	27,181.660	500,821.66	3,333.0060	17.4250	81.....	750.16322	5,185.8802	503.21332	5.9130
27.....	25,856.748	473,640.00	3,302.4590	17.3178	82.....	664.13736	4,435.7170	452.90952	5.6789
28.....	24,594.446	447,783.25	3,271.4309	17.2067	83.....	583.48579	3,771.5796	403.88353	5.4639
29.....	23,392.129	423,188.81	3,240.2780	17.0911	84.....	509.38309	3,188.0938	357.56587	5.2587
30.....	22,247.029	399,796.68	3,209.0885	16.9708	85.....	442.70727	2,678.7107	315.14639	5.0507
31.....	21,156.289	377,549.65	3,177.7307	16.8457	86.....	383.23271	2,236.0035	276.75313	4.8346
32.....	20,117.213	356,393.36	3,146.0971	16.7158	87.....	329.97796	1,852.7707	241.74756	4.6148
33.....	19,127.063	336,276.15	3,113.9095	16.5812	88.....	282.31029	1,522.7928	209.79312	4.3940
34.....	18,183.461	317,149.08	3,081.1203	16.4416	89.....	239.59809	1,240.4825	180.52426	4.1773
35.....	17,283.986	298,965.62	3,047.5242	16.2973	90.....	201.40387	1,000.8844	153.73948	3.9695
36.....	16,426.206	281,681.64	3,012.7916	16.1483	91.....	167.53733	799.48053	129.46360	3.7720
37.....	15,607.868	265,255.43	2,976.6539	15.9950	92.....	137.82897	631.94320	107.73321	3.5850
38.....	14,827.177	249,647.56	2,939.1950	15.8372	93.....	112.00639	494.11423	88.473908	3.4115
39.....	14,082.288	234,820.39	2,900.3620	15.6749	94.....	89.801387	382.10784	71.602546	3.2550
40.....	13,371.736	220,738.10	2,860.3951	15.5078	95.....	70.962767	292.30646	57.040182	3.1192
41.....	12,693.726	207,366.36	2,819.1337	15.3361	96.....	55.229983	221.34369	44.686578	3.0077
42.....	12,046.708	194,672.64	2,776.5795	15.1598	97.....	42.516567	166.11371	34.603161	2.9070
43.....	11,428.884	182,625.93	2,732.4083	14.9793	98.....	32.384667	123.59714	26.495859	2.8165
44.....	10,838.827	171,197.04	2,686.5839	14.7948	99.....	24.419581	91.212472	20.072900	2.7352
45.....	10,275.002	160,358.22	2,638.8930	14.6066	100....	18.238636	66.792891	15.054792	2.6622
46.....	9,736.2981	150,083.21	2,589.4752	14.4148	101....	13.500238	48.554255	11.184901	2.5965
47.....	9,221.4798	140,346.92	2,538.2901	14.2196	102....	9.9091750	35.054017	8.2367064	2.5375
48.....	8,729.4919	131,125.44	2,485.4202	14.0210	103....	7.2163331	25.144842	6.0157300	2.4844
49.....	8,259.3464	122,395.94	2,430.9648	13.8191	104....	5.2169965	17.928509	4.3600283	2.4366
50.....	7,810.1953	114,136.60	2,375.1159	13.6138	105....	3.7460519	12.711512	3.1375121	2.3933
51.....	7,381.3783	106,326.40	2,318.2131	13.4047	106....	2.6730043	8.9654602	2.2428479	2.3541
52.....	6,972.1688	98,945.025	2,260.4977	13.1914	107....	1.8963056	6.2924559	1.5934351	2.3183
53.....	6,581.5945	91,972.856	2,201.9315	12.9743	108....	1.3381235	4.3961503	1.1255533	2.2853
54.....	6,208.6375	85,391.261	2,142.3837	12.7536	109....	.9396303	3.0580268	.7907803	2.2545



**TABLE 12G. ACTUARIAL FUNCTIONS AT 6.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,689,547.7	4,365.2209	15.8955	55.....	3,474.6974	42,872.658	1,047.9422	11.3385
1.....	92,521.698	1,589,547.7	2,547.2964	16.1803	56.....	3,241.7288	39,397.960	1,011.6545	11.1534
2.....	87,173.769	1,497,026.0	2,436.4449	16.1729	57.....	3,021.7805	36,156.232	975.20037	10.9652
3.....	82,167.857	1,409,852.3	2,364.8966	16.1582	58.....	2,814.2469	33,134.451	938.71094	10.7738
4.....	77,465.685	1,327,684.4	2,313.7355	16.1390	59.....	2,618.5240	30,320.204	902.28503	10.5791
5.....	73,045.756	1,250,218.7	2,278.6567	16.1156	60.....	2,433.9922	27,701.680	865.97153	10.3812
6.....	68,880.770	1,177,173.0	2,248.3358	16.0900	61.....	2,260.0077	25,267.688	829.76016	10.1804
7.....	64,957.815	1,108,292.2	2,224.2925	16.0617	62.....	2,095.9439	23,007.680	793.62136	9.9772
8.....	61,261.960	1,043,334.4	2,205.2954	16.0307	63.....	1,941.3779	20,911.737	757.69372	9.7716
9.....	57,778.698	982,072.44	2,189.6910	15.9971	64.....	1,796.0310	18,970.359	722.23610	9.5624
10.....	54,494.578	924,293.74	2,176.0639	15.9612	65.....	1,659.6343	17,174.328	687.50154	9.3483
11.....	51,397.641	869,799.16	2,163.7255	15.9229	66.....	1,531.9051	15,514.693	653.71389	9.1277
12.....	48,476.704	818,401.52	2,152.0883	15.8824	67.....	1,412.3587	13,982.788	620.87909	8.9003
13.....	45,720.391	769,924.82	2,139.7405	15.8399	68.....	1,300.3293	12,570.430	588.79457	8.6671
14.....	43,119.074	724,204.42	2,126.3694	15.7955	69.....	1,194.9904	11,270.100	557.05917	8.4311
15.....	40,663.320	681,085.35	2,111.3184	15.7494	70.....	1,095.6709	10,075.110	525.38065	8.1954
16.....	38,345.127	640,422.03	2,094.8229	15.7015	71.....	1,001.8980	8,979.4391	493.62687	7.9624
17.....	36,156.923	602,076.90	2,077.0974	15.6518	72.....	913.48523	7,977.5411	461.92530	7.7331
18.....	34,091.203	565,919.98	2,057.9956	15.6002	73.....	830.41840	7,064.0558	430.56518	7.5066
19.....	32,141.572	531,828.78	2,038.0555	15.5464	74.....	752.86829	6,233.6374	400.01989	7.2799
20.....	30,301.619	499,687.20	2,017.4363	15.4904	75.....	680.90544	5,480.7691	370.67223	7.0492
21.....	28,565.279	469,385.59	1,996.2824	15.4320	76.....	614.35657	4,799.8637	342.66518	6.8128
22.....	26,926.548	440,820.31	1,974.4542	15.3712	77.....	552.83398	4,185.5071	315.91748	6.5710
23.....	25,380.050	413,893.76	1,952.1001	15.3078	78.....	495.93902	3,632.6731	290.31501	6.3248
24.....	23,920.697	388,513.71	1,929.3538	15.2417	79.....	443.15426	3,136.7341	265.60228	6.0782
25.....	22,543.677	364,593.01	1,906.3358	15.1727	80.....	394.01431	2,693.5799	241.54652	5.8362
26.....	21,244.438	342,049.34	1,883.1541	15.1007	81.....	348.10792	2,299.5656	217.94284	5.6059
27.....	20,018.273	320,804.90	1,859.5046	15.0256	82.....	305.28080	1,951.4576	194.81993	5.3923
28.....	18,861.368	300,786.62	1,835.7093	14.9472	83.....	265.67781	1,646.1768	172.49699	5.1961
29.....	17,770.078	281,925.26	1,812.0436	14.8652	84.....	229.74865	1,380.4990	151.60620	5.0087
30.....	16,740.755	264,155.18	1,788.5737	14.7792	85.....	197.79191	1,150.7504	132.65410	4.8180
31.....	15,769.791	247,414.42	1,765.1998	14.6891	86.....	169.60470	952.95847	115.66266	4.6187
32.....	14,853.804	231,644.63	1,741.8427	14.5950	87.....	144.65841	783.35377	100.31663	4.4152
33.....	13,989.481	216,790.83	1,718.3008	14.4967	88.....	122.59391	638.69536	86.440341	4.2098
34.....	13,173.868	202,801.35	1,694.5451	14.3942	89.....	103.06447	516.10146	73.850179	4.0076
35.....	12,404.066	189,627.48	1,670.4344	14.2875	90.....	85.817697	413.03699	62.437248	3.8130
36.....	11,677.258	177,223.41	1,645.7433	14.1768	91.....	70.713782	327.21930	52.190938	3.6274
37.....	10,990.834	165,546.16	1,620.2957	14.0622	92.....	57.625728	256.50551	43.105551	3.4512
38.....	10,342.582	154,555.32	1,594.1665	13.9436	93.....	46.387624	198.87978	35.129281	3.2873
39.....	9,730.3206	144,212.74	1,567.3344	13.8210	94.....	36.840526	152.49216	28.207897	3.1393
40.....	9,152.1927	134,482.42	1,539.9793	13.6940	95.....	28.837443	115.65163	22.290127	3.0105
41.....	8,606.1694	125,330.23	1,512.0047	13.5628	96.....	22.232308	86.814191	17.317300	2.9049
42.....	8,090.4488	116,724.06	1,483.4257	13.4274	97.....	16.953184	64.581883	13.296608	2.8094
43.....	7,603.1137	108,633.61	1,454.0406	13.2880	98.....	12.791337	47.628699	10.094376	2.7235
44.....	7,142.5515	101,030.49	1,423.8433	13.1449	99.....	9.5542841	34.837362	7.5813609	2.6463
45.....	6,707.1254	93,887.943	1,392.7126	12.9982	100....	7.0686380	25.283078	5.6365233	2.5768
46.....	6,295.5230	87,180.817	1,360.7588	12.8481	101....	5.1828454	18.214440	4.1508423	2.5144
47.....	5,906.3885	80,885.294	1,327.9746	12.6945	102....	3.7683198	13.031595	3.0296853	2.4582
48.....	5,538.5208	74,978.906	1,294.4307	12.5377	103....	2.7183806	9.2632748	2.1930472	2.4076
49.....	5,190.7957	69,440.385	1,260.2069	12.3776	104....	1.9466939	6.5448942	1.5752311	2.3621
50.....	4,862.2085	64,249.589	1,225.4383	12.2141	105....	1.3846319	4.5982004	1.1233594	2.3209
51.....	4,551.8987	59,387.381	1,190.3479	12.0467	106....	.9786866	3.2135685	.7957894	2.2836
52.....	4,258.9883	54,835.482	1,155.0921	11.8752	107....	.6877581	2.2348819	.5602584	2.2495
53.....	3,982.4755	50,576.494	1,119.6541	11.6998	108....	.4807365	1.5471237	.3921664	2.2182
54.....	3,721.3604	46,594.018	1,083.9621	11.5207	109....	.3343885	1.0663873	.2730299	2.1891

**TABLE 12H. ACTUARIAL FUNCTIONS AT 7.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,475,051.8	3,501.2821	13.7505	55.....	2,073.1551	23,488.379	536.53190	10.3298
1.....	91,657.009	1,375,051.8	1,700.3475	14.0021	56.....	1,916.0797	21,415.224	515.08346	10.1766
2.....	85,551.967	1,283,394.8	1,591.5584	14.0013	57.....	1,769.3832	19,499.144	493.73797	10.0203
3.....	79,885.549	1,197,842.8	1,521.9974	13.9945	58.....	1,632.4627	17,729.761	472.57152	9.8607
4.....	74,610.116	1,117,957.3	1,472.7222	13.9840	59.....	1,504.7340	16,097.298	451.63938	9.6978
5.....	69,695.610	1,043,347.2	1,439.2523	13.9701	60.....	1,385.6209	14,592.564	430.96687	9.5314
6.....	65,107.425	973,651.57	1,410.5924	13.9545	61.....	1,274.5511	13,206.943	410.54515	9.3620
7.....	60,825.547	908,544.15	1,388.0786	13.9369	62.....	1,170.9789	11,932.392	390.35483	9.1901
8.....	56,828.683	847,718.60	1,370.4563	13.9171	63.....	1,074.4881	10,761.413	370.47007	9.0154
9.....	53,096.579	790,889.92	1,356.1163	13.8953	64.....	984.75326	9,686.9253	351.02887	8.8369
10.....	49,610.565	737,793.34	1,343.7106	13.8717	65.....	901.46338	8,702.1720	332.16210	8.6534
11.....	46,353.886	688,182.78	1,332.5830	13.8463	66.....	824.30823	7,800.7086	313.98118	8.4633
12.....	43,310.992	641,828.89	1,322.1858	13.8191	67.....	752.87845	6,976.4004	296.47812	8.2663
13.....	40,466.634	598,517.90	1,311.2569	13.7904	68.....	686.68144	6,223.5220	279.53483	8.0632
14.....	37,807.560	558,051.26	1,299.5329	13.7603	69.....	625.15607	5,536.8405	262.93254	7.8567
15.....	35,321.094	520,243.70	1,286.4593	13.7290	70.....	567.84036	4,911.6845	246.51489	7.6498
16.....	32,996.174	484,922.61	1,272.2648	13.6963	71.....	514.38907	4,343.8441	230.21204	7.4447
17.....	30,822.436	451,926.44	1,257.1544	13.6623	72.....	464.61351	3,829.4550	214.08810	7.2422
18.....	28,789.883	421,104.00	1,241.0230	13.6268	73.....	418.41703	3,364.8415	198.28690	7.0418
19.....	26,889.751	392,314.12	1,224.3411	13.5897	74.....	375.79715	2,946.4245	183.04010	6.8405
20.....	25,113.519	365,424.37	1,207.2522	13.5509	75.....	336.70020	2,570.6273	168.52801	6.6348
21.....	23,453.211	340,310.85	1,189.8840	13.5102	76.....	300.95334	2,233.9271	154.80826	6.4228
22.....	21,901.134	316,857.64	1,172.1297	13.4676	77.....	268.28443	1,932.9738	141.82789	6.2049
23.....	20,450.338	294,956.50	1,154.1176	13.4231	78.....	238.42462	1,664.6894	129.51940	5.9820
24.....	19,094.308	274,506.16	1,135.9607	13.3763	79.....	211.05704	1,426.2647	117.74969	5.7577
25.....	17,826.946	255,411.86	1,117.7587	13.3273	80.....	185.89983	1,215.2077	106.39995	5.5369
26.....	16,642.537	237,584.91	1,099.5985	13.2758	81.....	162.70579	1,029.3079	95.367579	5.3262
27.....	15,535.419	220,942.37	1,081.2451	13.2218	82.....	141.35483	866.60208	84.660929	5.1307
28.....	14,500.789	205,406.95	1,062.9510	13.1652	83.....	121.86768	725.24725	74.421291	4.9511
29.....	13,534.115	190,906.16	1,044.9267	13.1056	84.....	104.40188	603.37957	64.928140	4.7794
30.....	12,630.998	177,372.05	1,027.2185	13.0426	85.....	89.040168	498.97768	56.396457	4.6040
31.....	11,787.200	164,741.05	1,009.7476	12.9763	86.....	75.637543	409.93752	48.818889	4.4198
32.....	10,998.779	152,953.85	992.45233	12.9064	87.....	63.909482	334.29997	42.039079	4.2308
33.....	10,261.964	141,955.07	975.18322	12.8331	88.....	53.655295	270.39049	35.965887	4.0394
34.....	9,573.3574	131,693.11	957.92010	12.7562	89.....	44.686336	216.73520	30.507087	3.8501
35.....	8,929.7057	122,119.75	940.56280	12.6757	90.....	36.860798	172.04886	25.604954	3.6675
36.....	8,327.9103	113,190.05	922.95376	12.5917	91.....	30.089435	135.18806	21.245045	3.4929
37.....	7,765.1148	104,862.13	904.97481	12.5043	92.....	24.291173	105.09863	17.415251	3.3266
38.....	7,238.8287	97,097.020	886.68688	12.4134	93.....	19.371189	80.807453	14.084409	3.1715
39.....	6,746.6560	89,858.191	868.08241	12.3189	94.....	15.240600	61.436264	11.221094	3.0311
40.....	6,286.4962	83,111.535	849.29266	12.2206	95.....	11.818302	46.195664	8.7958442	2.9088
41.....	5,856.1944	76,825.039	830.25691	12.1186	96.....	9.0262003	34.377363	6.7769027	2.8086
42.....	5,453.8136	70,968.845	810.99167	12.0127	97.....	6.8185773	25.351162	5.1597788	2.7180
43.....	5,077.3985	65,515.031	791.36814	11.9033	98.....	5.0965997	18.532585	3.8838764	2.6363
44.....	4,725.2548	60,437.633	771.39071	11.7903	99.....	3.7712457	13.435985	2.8919447	2.5627
45.....	4,395.7235	55,712.378	750.98821	11.6742	100....	2.7640411	9.6647396	2.1314572	2.4966
46.....	4,087.4066	51,316.654	730.24204	11.5548	101....	2.0077013	6.9006986	1.5559425	2.4371
47.....	3,798.9198	47,229.248	709.15560	11.4323	102....	1.4461078	4.8929973	1.1256940	2.3836
48.....	3,529.0190	43,430.328	687.78224	11.3066	103....	1.0334400	3.4468894	.8076314	2.3354
49.....	3,276.5457	39,901.309	666.17937	11.1779	104....	.7331533	2.4134494	.5749528	2.2919
50.....	3,040.4507	36,624.763	644.43780	11.0458	105....	.5165990	1.6802961	.4063618	2.2526
51.....	2,819.8049	33,584.313	622.70000	10.9102	106....	.3617303	1.1636972	.2852894	2.2170
52.....	2,613.6956	30,764.508	601.06393	10.7705	107....	.2518252	.8019668	.1990488	2.1846
53.....	2,421.1615	28,150.812	579.51926	10.6270	108....	.1743783	.5501417	.1380765	2.1549
54.....	2,241.2714	25,729.651	558.02297	10.4799	109....	.1201597	.3757634	.0952658	2.1272

**TABLE 12I. ACTUARIAL FUNCTIONS AT 8.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,309,584.4	2,993.7480	12.0958	55.....	1,242.8909	13,011.015	279.11197	9.4683
1.....	90,808.333	1,209,584.4	1,209.4888	12.3202	56.....	1,138.0853	11,768.124	266.37234	9.3403
2.....	83,975.006	1,118,776.1	1,102.7049	12.3227	57.....	1,041.2216	10,630.039	253.81125	9.2092
3.....	77,686.989	1,034,801.1	1,035.0584	12.3201	58.....	951.75368	9,588.8170	241.47084	9.0749
4.....	71,884.922	957,114.07	987.58298	12.3145	59.....	869.16261	8,637.0633	229.38005	8.9372
5.....	66,528.164	885,229.15	955.63412	12.3061	60.....	792.94993	7,767.9007	217.54978	8.7962
6.....	61,573.048	818,700.99	928.53006	12.2964	61.....	722.63436	6,974.9507	205.97124	8.6521
7.....	56,990.987	757,127.94	907.43559	12.2850	62.....	657.76454	6,252.3164	194.62990	8.5054
8.....	52,753.074	700,136.95	891.07706	12.2720	63.....	597.97496	5,594.5518	183.56362	8.3558
9.....	48,832.250	647,383.88	877.88879	12.2573	64.....	542.96127	4,996.5769	172.84436	8.2025
10.....	45,203.743	598,551.63	866.58503	12.2412	65.....	492.43570	4,453.6156	162.53815	8.0441
11.....	41,845.272	553,347.89	856.53976	12.2237	66.....	446.11939	3,961.1799	152.69856	7.8792
12.....	38,736.323	511,502.61	847.24081	12.2047	67.....	403.68848	3,515.0605	143.31353	7.7074
13.....	35,857.282	472,766.29	837.55673	12.1847	68.....	364.78487	3,111.3720	134.31277	7.5293
14.....	33,190.895	436,909.01	827.26436	12.1635	69.....	329.02582	2,746.5872	125.57482	7.3476
15.....	30,720.939	403,718.11	815.89340	12.1415	70.....	296.09277	2,417.5614	117.01406	7.1649
16.....	28,433.082	372,997.17	803.66192	12.1184	71.....	265.73778	2,121.4686	108.59186	6.9833
17.....	26,314.028	344,564.09	790.76172	12.0943	72.....	237.80087	1,855.7308	100.33923	6.8037
18.....	24,351.196	318,250.06	777.11741	12.0692	73.....	212.17342	1,617.9299	92.326660	6.6255
19.....	22,533.425	293,898.87	763.13802	12.0428	74.....	188.79702	1,405.7565	84.666807	6.4459
20.....	20,850.094	271,365.44	748.95031	12.0151	75.....	167.58882	1,216.9595	77.443573	6.2616
21.....	19,291.357	250,515.35	734.66414	11.9859	76.....	148.40921	1,049.3707	70.677950	6.0708
22.....	17,847.899	231,223.99	720.19562	11.9553	77.....	131.07419	900.96147	64.336205	5.8737
23.....	16,511.290	213,376.09	705.65289	11.9230	78.....	115.40718	769.88728	58.378397	5.6711
24.....	15,273.707	196,864.80	691.12907	11.8891	79.....	101.21424	654.48009	52.734131	5.4663
25.....	14,127.896	181,591.10	676.70390	11.8534	80.....	88.324416	553.26586	47.341662	5.2640
26.....	13,067.127	167,463.20	662.44519	11.8156	81.....	76.588718	464.94144	42.148513	5.0706
27.....	12,084.914	154,396.07	648.16814	11.7759	82.....	65.922321	388.35272	37.155354	4.8911
28.....	11,175.637	142,311.16	634.06907	11.7341	83.....	56.308039	322.43040	32.424207	4.7262
29.....	10,334.049	131,135.52	620.30649	11.6897	84.....	47.791448	266.12236	28.078582	4.5684
30.....	9,555.1679	120,801.47	606.91050	11.6425	85.....	40.382003	218.33092	24.209245	4.4066
31.....	8,834.2836	111,246.31	593.81638	11.5926	86.....	33.985943	177.94891	20.804444	4.2360
32.....	8,167.0497	102,412.02	580.97395	11.5397	87.....	28.450325	143.96297	17.786303	4.0602
33.....	7,549.3788	94,244.972	568.26965	11.4838	88.....	23.664348	115.51265	15.107758	3.8813
34.....	6,977.5833	86,695.593	555.68735	11.4249	89.....	19.526155	91.848297	12.722479	3.7039
35.....	6,448.1914	79,718.010	543.15354	11.3628	90.....	15.957569	72.322142	10.600275	3.5322
36.....	5,957.9498	73,269.819	530.55569	11.2978	91.....	12.905536	56.364573	8.7302845	3.3675
37.....	5,503.8768	67,311.869	517.81229	11.2299	92.....	10.322159	43.459037	7.1028725	3.2103
38.....	5,083.3398	61,807.992	504.96991	11.1589	93.....	8.1552699	33.136878	5.7005881	3.0632
39.....	4,693.8524	56,724.652	492.02623	11.0849	94.....	6.3568819	24.981608	4.5062942	2.9299
40.....	4,333.2081	52,030.800	479.07467	11.0075	95.....	4.8837922	18.624727	3.5040847	2.8136
41.....	3,999.2301	47,697.592	466.07505	10.9267	96.....	3.6954480	13.740934	2.6775028	2.7183
42.....	3,689.9563	43,698.362	453.04052	10.8425	97.....	2.7657691	10.045486	2.0215608	2.6321
43.....	3,403.4722	40,008.405	439.88651	10.7552	98.....	2.0481544	7.2797172	1.5088179	2.5543
44.....	3,138.0959	36,604.933	426.61927	10.6647	99.....	1.5015058	5.2315627	1.1138845	2.4842
45.....	2,892.2203	33,466.837	413.19519	10.5713	100....	1.0903018	3.7300569	.8139031	2.4211
46.....	2,664.4579	30,574.617	399.67138	10.4750	101....	.7846236	2.6397552	.5889879	2.3644
47.....	2,453.4723	27,910.159	386.05304	10.3758	102....	.5599161	1.8551316	.4224007	2.3132
48.....	2,258.0578	25,456.687	372.37721	10.2737	103....	.3964310	1.2952155	.3003909	2.2672
49.....	2,077.0996	23,198.629	358.68250	10.1688	104....	.2786359	.8987846	.2119611	2.2257
50.....	1,909.5853	21,121.529	345.02750	10.0608	105....	.1945162	.6201487	.1484811	2.1882
51.....	1,754.6083	19,211.944	331.50127	9.9494	106....	.1349420	.4256324	.1033155	2.1542
52.....	1,611.2991	17,457.336	318.16299	9.8343	107....	.0930725	.2906904	.0714417	2.1233
53.....	1,478.7846	15,846.037	305.00405	9.7156	108....	.0638521	.1976179	.0491155	2.0949
54.....	1,356.2372	14,367.252	291.99622	9.5935	109....	.0435914	.1337658	.0335847	2.0686

**TABLE 12J. ACTUARIAL FUNCTIONS AT 10.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	1,072,769.2	2,475.5246	9.7277	55.....	453.04557	4,115.2104	78.935532	8.0834
1.....	89,157.273	972,769.23	723.70639	9.9107	56.....	407.30033	3,662.1648	74.376246	7.9913
2.....	80,949.130	883,611.96	620.77026	9.9156	57.....	365.85937	3,254.8645	69.962592	7.8965
3.....	73,526.095	802,662.83	556.74686	9.9167	58.....	328.34216	2,889.0051	65.705319	7.7988
4.....	66,797.789	729,136.73	512.63120	9.9156	59.....	294.39755	2,560.6629	61.609997	7.6980
5.....	60,696.114	662,338.94	483.48308	9.9124	60.....	263.69991	2,266.2654	57.675775	7.5941
6.....	55,154.007	601,642.83	459.20463	9.9084	61.....	235.94669	2,002.5655	53.895278	7.4874
7.....	50,121.455	546,488.82	440.65283	9.9033	62.....	210.86127	1,766.6188	50.259554	7.3781
8.....	45,550.834	496,367.37	426.52769	9.8970	63.....	188.20902	1,555.7575	46.776509	7.2661
9.....	41,398.668	450,816.53	415.34703	9.8896	64.....	167.78663	1,367.5485	43.464030	7.1505
10.....	37,625.744	409,417.86	405.93824	9.8813	65.....	149.40637	1,199.7619	40.337097	7.0302
11.....	34,197.013	371,792.12	397.72899	9.8721	66.....	132.89289	1,050.3555	37.406016	6.9038
12.....	31,080.732	337,595.11	390.26782	9.8619	67.....	118.06687	917.46260	34.661174	6.7707
13.....	28,247.582	306,514.38	382.63892	9.8510	68.....	104.74893	799.39573	32.076583	6.6315
14.....	25,671.659	278,266.79	374.67824	9.8395	69.....	92.762797	694.64679	29.613078	6.4884
15.....	23,329.237	252,595.13	366.04322	9.8274	70.....	81.960148	601.88400	27.243410	6.3436
16.....	21,199.278	229,265.90	356.92361	9.8148	71.....	72.220302	519.92385	24.954487	6.1991
17.....	19,262.627	208,066.62	347.48030	9.8016	72.....	63.452757	447.70355	22.752424	6.0557
18.....	17,501.673	188,803.99	337.67387	9.7878	73.....	55.585192	384.25079	20.653292	5.9128
19.....	15,900.747	171,302.32	327.80929	9.7732	74.....	48.561750	328.66560	18.683049	5.7680
20.....	14,445.395	155,401.57	317.97974	9.7579	75.....	42.322890	280.10385	16.858893	5.6183
21.....	13,122.460	140,956.18	308.26192	9.7416	76.....	36.797829	237.78096	15.181368	5.4618
22.....	11,919.846	127,833.72	298.59902	9.7244	77.....	31.908736	200.98313	13.637532	5.2987
23.....	10,826.688	115,913.87	289.06315	9.7063	78.....	27.583942	169.07439	12.213532	5.1295
24.....	9,833.0931	105,087.18	279.71282	9.6871	79.....	23.751780	141.49045	10.889001	4.9570
25.....	8,930.0575	95,254.089	270.59487	9.6667	80.....	20.350093	117.73867	9.6465672	4.7857
26.....	8,109.3853	86,324.032	261.74599	9.6450	81.....	17.325329	97.388580	8.4718119	4.6212
27.....	7,363.4693	78,214.647	253.04683	9.6220	82.....	14.641321	80.063251	7.3628335	4.4683
28.....	6,685.6284	70,851.177	244.61231	9.5975	83.....	12.278611	65.421930	6.3311526	4.3281
29.....	6,069.7605	64,165.549	236.52878	9.5713	84.....	10.231990	53.143320	5.4007687	4.1938
30.....	5,510.2389	58,095.788	228.80363	9.5432	85.....	8.4884587	42.911330	4.5874186	4.0553
31.....	5,001.8944	52,585.549	221.38985	9.5131	86.....	7.0140906	34.422871	3.8847285	3.9077
32.....	4,540.0376	47,583.655	214.25079	9.4809	87.....	5.7648810	27.408781	3.2731636	3.7544
33.....	4,120.3731	43,043.617	207.31691	9.4465	88.....	4.7079163	21.643900	2.7402790	3.5973
34.....	3,739.0513	38,923.244	200.57448	9.4099	89.....	3.8140114	16.935983	2.2743665	3.4405
35.....	3,392.5432	35,184.193	193.98016	9.3710	90.....	3.0602934	13.121972	1.8673768	3.2878
36.....	3,077.6226	31,791.650	187.47264	9.3299	91.....	2.4299842	10.061679	1.5152761	3.1406
37.....	2,791.3758	28,714.027	181.00963	9.2867	92.....	1.9082224	7.6316943	1.2144220	2.9994
38.....	2,531.2195	25,922.652	174.61485	9.2412	93.....	1.4802255	5.7234719	.9598998	2.8666
39.....	2,294.7806	23,391.432	168.28680	9.1933	94.....	1.1328300	4.2432464	.7470703	2.7457
40.....	2,079.9474	21,096.651	162.07003	9.1429	95.....	.8544937	3.1104163	.5717185	2.6401
41.....	1,884.7349	19,016.704	155.94364	9.0899	96.....	.6348189	2.2559227	.4297249	2.5536
42.....	1,707.3642	17,131.969	149.91248	9.0342	97.....	.4664765	1.6211038	.3190933	2.4752
43.....	1,546.1735	15,424.605	143.93671	8.9760	98.....	.3391623	1.1546273	.2341861	2.4044
44.....	1,399.6947	13,878.431	138.01908	8.9153	99.....	.2441198	.8154650	.1699765	2.3404
45.....	1,266.5710	12,478.737	132.14036	8.8524	100....	.1740419	.5713452	.1220913	2.2828
46.....	1,145.6134	11,212.166	126.32565	8.7870	101....	.1229701	.3973033	.0868415	2.2309
47.....	1,035.7179	10,066.552	120.57676	8.7194	102....	.0861573	.2743332	.0612078	2.1841
48.....	935.89350	9,030.8343	114.90855	8.6494	103....	.0598919	.1881759	.0427749	2.1419
49.....	845.23945	8,094.9408	109.33573	8.5771	104....	.0413303	.1282841	.0296580	2.1039
50.....	762.94387	7,249.7014	103.88010	8.5023	105....	.0283282	.0869538	.0204132	2.0695
51.....	688.27941	6,486.7575	98.574170	8.4246	106....	.0192948	.0586256	.0139551	2.0384
52.....	620.57148	5,798.4781	93.437103	8.3438	107....	.0130661	.0393308	.0094805	2.0101
53.....	559.18004	5,177.9066	88.461248	8.2598	108....	.0088010	.0262647	.0064032	1.9843
54.....	503.51621	4,618.7266	83.631965	8.1729	109....	.0058991	.0174637	.0043014	1.9604

**TABLE 12K. ACTUARIAL FUNCTIONS AT 12.0 PERCENT INTEREST FOR 1979-81 UNITED STATES  
BLACK FEMALES**

x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>	x	D <sub>x</sub>	N <sub>x</sub>	M <sub>x</sub>	a <sub>x</sub>
0.....	100,000.00	912,491.93	2,233.0076	8.1249	55.....	168.16992	1,349.9486	23.532575	7.0273
1.....	87,565.179	812,491.93	512.47184	8.2787	56.....	148.48954	1,181.7787	21.870395	6.9587
2.....	78,083.902	724,926.75	413.17918	8.2839	57.....	130.99959	1,033.2891	20.290042	6.8877
3.....	69,657.116	646,842.85	352.52472	8.2861	58.....	115.46678	902.28953	18.792904	6.8143
4.....	62,152.805	577,185.73	311.47678	8.2866	59.....	101.68087	786.82275	17.378436	6.7382
5.....	55,466.939	515,032.93	284.83986	8.2854	60.....	89.451934	685.14187	16.043875	6.6593
6.....	49,502.262	459,565.99	263.04928	8.2837	61.....	78.608283	595.68994	14.784359	6.5780
7.....	44,182.095	410,063.73	246.69585	8.2812	62.....	68.996315	517.08166	13.594707	6.4943
8.....	39,436.070	365,881.63	234.46688	8.2778	63.....	60.484510	448.08534	12.475365	6.4083
9.....	35,201.270	326,445.56	224.95997	8.2737	64.....	52.958509	387.60083	11.429847	6.3190
10.....	31,421.848	291,244.29	217.10254	8.2688	65.....	46.315053	334.64232	10.460517	6.2253
11.....	28,048.488	259,822.44	210.36929	8.2633	66.....	40.460334	288.32727	9.5681256	6.1262
12.....	25,037.283	231,773.95	204.35890	8.2572	67.....	35.304532	247.86694	8.7473589	6.0208
13.....	22,348.681	206,736.67	198.32313	8.2505	68.....	30.762856	212.56240	7.9883114	5.9097
14.....	19,947.994	184,387.99	192.13733	8.2434	69.....	26.756269	181.79955	7.2777444	5.7947
15.....	17,804.119	164,440.00	185.54737	8.2361	70.....	23.218230	155.04328	6.6064487	5.6777
16.....	15,889.699	146,635.88	178.71186	8.2284	71.....	20.093719	131.82505	5.9696059	5.5605
17.....	14,180.279	130,746.18	171.76012	8.2203	72.....	17.339086	111.73133	5.3678707	5.4439
18.....	12,653.874	116,565.90	164.66998	8.2119	73.....	14.917961	94.392245	4.8045052	5.3274
19.....	11,291.097	103,912.03	157.66515	8.2030	74.....	12.800277	79.474284	4.2851737	5.2088
20.....	10,074.481	92,620.930	150.80984	8.1936	75.....	10.956580	66.674007	3.8129350	5.0853
21.....	8,988.4159	82,546.449	144.15349	8.1836	76.....	9.3561364	55.717428	3.3864110	4.9552
22.....	8,018.8708	73,558.034	137.65294	8.1731	77.....	7.9681703	46.361291	3.0008880	4.8183
23.....	7,153.4056	65,539.163	131.35240	8.1620	78.....	6.7651900	38.393121	2.6516403	4.6751
24.....	6,380.9016	58,385.757	125.28478	8.1501	79.....	5.7212970	31.627931	2.3325891	4.5281
25.....	5,691.4224	52,004.856	119.47360	8.1374	80.....	4.8143693	25.906634	2.0386574	4.3811
26.....	5,076.0882	46,313.433	113.93463	8.1238	81.....	4.0255865	21.092264	1.7656999	4.2396
27.....	4,526.8736	41,237.345	108.58660	8.1095	82.....	3.3412008	17.066678	1.5126271	4.1079
28.....	4,036.7587	36,710.471	103.49387	8.0940	83.....	2.7519860	13.725477	1.2813981	3.9875
29.....	3,599.4552	32,673.713	98.700221	8.0774	84.....	2.2523286	10.973491	1.0765963	3.8721
30.....	3,209.2999	29,074.258	94.200902	8.0594	85.....	1.8351651	8.7211626	.9007538	3.7522
31.....	2,861.2055	25,864.958	89.960042	8.0399	86.....	1.4893348	6.8859975	.7515483	3.6235
32.....	2,550.6370	23,003.752	85.949245	8.0188	87.....	1.2022256	5.3966627	.6240107	3.4889
33.....	2,273.5285	20,453.115	82.123289	7.9962	88.....	.9642708	4.1944371	.5148658	3.3499
34.....	2,026.2823	18,179.587	78.469404	7.9719	89.....	.7672324	3.2301662	.4211421	3.2102
35.....	1,805.6708	16,153.304	74.959594	7.9459	90.....	.6046203	2.4629338	.3407334	3.0735
36.....	1,608.8043	14,347.634	71.557839	7.9182	91.....	.4715174	1.8583135	.2724113	2.9411
37.....	1,433.1143	12,738.829	68.239680	7.8889	92.....	.3636620	1.3867961	.2150756	2.8134
38.....	1,276.3418	11,305.715	65.015173	7.8579	93.....	.2770585	1.0231341	.1674359	2.6928
39.....	1,136.4570	10,029.373	61.881298	7.8251	94.....	.2082490	.7460756	.1283113	2.5826
40.....	1,011.6700	8,892.9163	58.857511	7.7903	95.....	.1542772	.5378265	.0966519	2.4861
41.....	900.35014	7,881.2463	55.930894	7.7535	96.....	.1125686	.3835493	.0714730	2.4072
42.....	801.05438	6,980.8962	53.101222	7.7146	97.....	.0812404	.2709807	.0522057	2.3355
43.....	712.47350	6,179.8418	50.347598	7.6738	98.....	.0580129	.1897403	.0376825	2.2707
44.....	633.45892	5,467.3683	47.669461	7.6310	99.....	.0410105	.1317274	.0268957	2.2120
45.....	562.97530	4,833.9094	45.056443	7.5864	100....	.0287157	.0907169	.0189950	2.1591
46.....	500.11811	4,270.9341	42.518027	7.5399	101....	.0199269	.0620012	.0132829	2.1114
47.....	444.06916	3,770.8160	40.053159	7.4915	102....	.0137122	.0420743	.0092032	2.0684
48.....	394.10345	3,326.7468	37.666288	7.4413	103....	.0093618	.0283621	.0063219	2.0296
49.....	349.57327	2,932.6433	35.361486	7.3892	104....	.0063450	.0190003	.0043082	1.9945
50.....	309.90295	2,583.0701	33.145441	7.3351	105....	.0042713	.0126553	.0029143	1.9629
51.....	274.58232	2,273.1671	31.028694	7.2786	106....	.0028573	.0083840	.0019579	1.9342
52.....	243.14999	1,998.5848	29.015907	7.2196	107....	.0019004	.0055267	.0013071	1.9082
53.....	215.18340	1,755.4348	27.101101	7.1579	108....	.0012572	.0036263	.0008676	1.8845
54.....	190.30282	1,540.2514	25.275885	7.0937	109....	.0008276	.0023692	.0005727	1.8627

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