

LIFE TABLES: 1959-61

VOLUME I - NO. 2

ACTUARIAL TABLES

BASED ON UNITED STATES

LIFE TABLES: 1959-61

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE



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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Anthony J. Celebrezze, Secretary

PUBLIC HEALTH SERVICE

Luther L. Terry, Surgeon General

Washington, D.C.

December 1964

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ACTUARIAL TABLES

BASED ON UNITED STATES LIFE TABLES: 1959-61

This report contains certain tables used by actuaries in computing the present values of life annuities and survivor benefits payable on the death of an insured individual.¹

The actuarial functions included are based on the 1959-61 life tables for total males, total females, white males, white females, nonwhite males, and nonwhite females in the United States. The functions tabulated are the commutation columns *D*, *N*, and *M* and the whole life immediate annuity values (payments made at the end of

each successive year of life). For total males, total females, nonwhite males, and nonwhite females, these are given at interest rates of 2½, 3½, and 4½ percent. Values for white males and white females are given not only at the interest rates just mentioned but also at 3 and 4 percent. Tables have been calculated, however, for all six population subdivisions at each interest rate from 2½ to 6 percent inclusive at intervals of ½ percent. The unpublished tables are available on request from the Division of the Actuary, Social Security Administration, Washington, D.C.

The values were computed to more decimal places than are shown in the tables and were rounded by the computer. Therefore, there may be small discrepancies in the mathematical relationships that should hold among the various columns.

¹For explanation of the uses of these tables, see National Office of Vital Statistics, *United States Life Tables and Actuarial Tables, 1939-41*, by T. N. E. Greville, Public Health Service, Washington, U.S. Government Printing Office, 1947.

C. W. Jordan, Jr., *Life Contingencies*, The Society of Actuaries, Chicago, 1952.

Tables of actuarial functions: United States, 1959-61

Table No.	Color and sex	Interest rate (percent)	Page	Table No.	Color and sex	Interest rate (percent)	Page
1	Total males -----	2½	2	12	White females -----	2½	13
2	Total males -----	3½	3	13	White females -----	3	14
3	Total males -----	4½	4	14	White females -----	3½	15
4	Total females -----	2½	5	15	White females -----	4	16
5	Total females -----	3½	6	16	White females -----	4½	17
6	Total females -----	4½	7	17	Nonwhite males ----	2½	18
7	White males -----	2½	8	18	Nonwhite males ----	3½	19
8	White males -----	3	9	19	Nonwhite males ----	4½	20
9	White males -----	3½	10	20	Nonwhite females --	2½	21
10	White males -----	4	11	21	Nonwhite females --	3½	22
11	White males -----	4½	12	22	Nonwhite females --	4½	23

TABLE 1. UNITED STATES TOTAL MALES: 1959-61—ACTUARIAL FUNCTIONS AT 2½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	3,191,777	22,151.779	30.9178	55	20,839	314,659	13,164.576	14.0994
1	94,719	3,091,777	19,309.613	31.6416	56	20,016	293,820	12,849.568	13.6793
2	92,242	2,997,058	19,142.665	31.4914	57	19,202	273,804	12,523.415	13.2595
3	89,888	2,904,817	19,039.246	31.3158	58	18,394	254,602	12,184.550	12.8413
4	87,619	2,814,928	18,961.731	31.1271	59	17,592	236,208	11,830.850	12.4270
5	85,419	2,727,310	18,898.783	30.9288	60	16,793	218,616	11,461.223	12.0180
6	83,281	2,641,891	18,844.170	30.7228	61	15,999	201,823	11,076.243	11.6149
7	81,201	2,558,611	18,795.696	30.5097	62	15,210	185,824	10,677.572	11.2173
8	79,177	2,477,410	18,752.169	30.2896	63	14,428	170,614	10,266.716	10.8252
9	77,207	2,398,233	18,713.096	30.0625	64	13,655	156,186	9,845.528	10.4381
10	75,288	2,321,026	18,677.977	29.8285	65	12,892	142,531	9,415.793	10.0556
11	73,420	2,245,738	18,645.654	29.5877	66	12,141	129,639	8,978.791	9.6780
12	71,597	2,172,318	18,613.808	29.3408	67	11,402	117,498	8,535.889	9.3053
13	69,816	2,100,721	18,578.838	29.0894	68	10,677	106,096	8,089.064	8.9371
14	68,071	2,030,905	18,536.654	28.8351	69	9,967.7	95,419.7	7,640.438	8.5728
15	66,359	1,962,834	18,484.602	28.5792	70	9,276.1	85,451.9	7,191.917	8.2120
16	64,678	1,896,476	18,422.047	28.3220	71	8,603.1	76,175.8	6,745.181	7.8544
17	63,028	1,831,798	18,349.990	28.0632	72	7,949.7	67,572.7	6,301.561	7.5001
18	61,410	1,768,770	18,269.697	27.8024	73	7,316.4	59,623.0	5,862.178	7.1492
19	59,826	1,707,360	18,183.077	27.5388	74	6,703.8	52,306.6	5,428.002	6.8026
20	58,276	1,647,534	18,091.846	27.2714	75	6,112.4	45,602.9	5,000.172	6.4607
21	56,758	1,589,258	17,995.955	27.0004	76	5,543.9	39,490.4	4,580.670	6.1233
22	55,274	1,532,500	17,896.078	26.7254	77	4,999.2	33,946.6	4,171.202	5.7904
23	53,825	1,477,226	17,795.306	26.4449	78	4,478.5	28,947.4	3,772.455	5.4637
24	52,414	1,423,400	17,697.332	26.1567	79	3,981.7	24,468.9	3,384.887	5.1454
25	51,043	1,370,986	17,604.533	25.8593	80	3,509.3	20,487.2	3,009.579	4.8380
26	49,711	1,319,943	17,517.546	25.5522	81	3,060.8	16,978.0	2,646.734	4.5468
27	48,417	1,270,231	17,435.358	25.2354	82	2,638.2	13,917.1	2,298.711	4.2753
28	47,157	1,221,815	17,356.509	24.9096	83	2,246.1	11,279.0	1,971.006	4.0216
29	45,929	1,174,658	17,278.904	24.5755	84	1,890.5	9,032.9	1,670.187	3.7780
30	44,731	1,128,729	17,200.897	24.2338	85	1,574.7	7,142.4	1,400.483	3.5357
31	43,561	1,083,998	17,121.790	23.8847	86	1,294.0	5,567.7	1,158.246	3.3025
32	42,418	1,040,437	17,041.376	23.5283	87	1,047.8	4,273.6	943.602	3.0785
33	41,301	998,019	16,959.077	23.1645	88	834.76	3,225.80	756.082	2.8643
34	40,209	956,718	16,874.380	22.7937	89	652.59	2,391.04	594.275	2.6639
35	39,141	916,509	16,786.663	22.4159	90	499.38	1,738.44	456.982	2.4812
36	38,094	877,369	16,695.192	22.0314	91	373.59	1,239.06	343.366	2.3167
37	37,069	839,274	16,599.079	21.6408	92	273.15	865.47	252.043	2.1685
38	36,063	802,205	16,497.371	21.2443	93	195.09	592.32	180.644	2.0361
39	35,075	766,142	16,389.061	20.8427	94	136.12	397.23	126.435	1.9182
40	34,104	731,066	16,273.235	20.4363	95	92.896	261.109	86.527	1.8108
41	33,148	696,962	16,149.011	20.0257	96	62.157	168.214	58.055	1.7063
42	32,206	663,814	16,015.706	19.6113	97	40.681	106.056	38.094	1.6070
43	31,278	631,608	15,872.837	19.1934	98	26.016	65.375	24.421	1.5129
44	30,362	600,330	15,720.018	18.7723	99	16.240	39.359	15.280	1.4237
45	29,458	569,968	15,556.726	18.3482	100	9.8838	23.1197	9.3199	1.3391
46	28,566	540,509	15,382.807	17.9214	101	5.8588	13.2358	5.5360	1.2591
47	27,684	511,943	15,197.462	17.4925	102	3.3786	7.3770	3.1987	1.1835
48	26,810	484,260	14,998.886	17.0626	103	1.8933	3.9985	1.7957	1.1120
49	25,942	457,449	14,784.956	16.6334	104	1.0297	2.1052	.9784	1.0444
50	25,079	431,507	14,554.344	16.2060	105	.54299	1.07546	.51676	.9806
51	24,219	406,428	14,306.364	15.7812	106	.27726	.53246	.26428	.9204
52	23,364	382,209	14,041.644	15.3590	107	.13693	.25520	.13071	.8637
53	22,514	358,845	13,761.781	14.9387	108	.06533	.11827	.06245	.8102
54	21,672	336,331	13,468.945	14.5191	109	.03008	.05293	.02879	.7598

TABLE 2. UNITED STATES TOTAL MALES: 1959-61--ACTUARIAL FUNCTIONS AT .3% PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,550,608	13,747.563	24.5061	55	12,217	167,657	6,547.701	12.7230
1	93,804	2,450,608	10,932.858	25.1249	56	11,621	155,440	6,364.808	12.3755
2	90,468	2,356,804	10,769.121	25.0513	57	11,041	143,819	6,177.273	12.0262
3	87,308	2,266,336	10,668.671	24.9579	58	10,474	132,778	5,984.312	11.6764
4	84,281	2,179,028	10,594.108	24.8543	59	9,920.7	122,303.6	5,784.849	11.3281
5	81,371	2,094,747	10,534.143	24.7432	60	9,378.8	112,382.9	5,578.418	10.9826
6	78,568	2,013,376	10,482.620	24.6260	61	8,848.7	103,004.1	5,365.490	10.6406
7	75,866	1,934,808	10,437.331	24.5031	62	8,331.1	94,155.3	5,147.120	10.3016
8	73,260	1,858,943	10,397.057	24.3746	63	7,826.5	85,824.2	4,924.250	9.9658
9	70,747	1,785,683	10,361.253	24.2405	64	7,335.6	77,997.7	4,697.983	9.6328
10	68,322	1,714,936	10,329.384	24.1006	65	6,858.9	70,662.1	4,469.356	9.3023
11	65,983	1,646,614	10,300.335	23.9551	66	6,396.7	63,803.2	4,239.108	8.9744
12	63,723	1,580,631	10,271.991	23.8046	67	5,949.3	57,406.5	4,008.006	8.6493
13	61,538	1,516,908	10,241.168	23.6501	68	5,517.2	51,457.2	3,777.110	8.3267
14	59,420	1,455,370	10,204.345	23.4930	69	5,101.1	45,940.0	3,547.523	8.0060
15	57,365	1,395,950	10,159.347	23.3344	70	4,701.2	40,839.0	3,320.208	7.6869
16	55,372	1,338,585	10,105.792	23.1744	71	4,318.0	36,137.7	3,095.985	7.3690
17	53,438	1,283,213	10,044.698	23.0129	72	3,951.5	31,819.7	2,875.477	7.0526
18	51,564	1,229,775	9,977.280	22.8495	73	3,601.6	27,868.2	2,659.185	6.7378
19	49,748	1,178,211	9,905.251	22.6835	74	3,268.1	24,266.6	2,447.521	6.4252
20	47,991	1,128,463	9,830.121	22.5142	75	2,951.1	20,998.5	2,240.967	6.1156
21	46,290	1,080,472	9,751.917	22.3416	76	2,650.7	18,047.4	2,040.390	5.8086
22	44,644	1,034,182	9,671.248	22.1653	77	2,367.2	15,396.7	1,846.502	5.5043
23	43,053	989,539	9,590.644	21.9840	78	2,100.1	13,029.6	1,659.515	5.2042
24	41,520	946,485	9,513.034	21.7960	79	1,849.1	10,929.4	1,479.526	4.9106
25	40,043	904,966	9,440.234	21.5999	80	1,614.0	9,080.3	1,306.915	4.6260
26	38,621	864,923	9,372.653	21.3950	81	1,394.1	7,466.3	1,141.648	4.3555
27	37,252	826,301	9,309.417	21.1814	82	1,190.0	6,072.2	984.663	4.1027
28	35,932	789,049	9,249.337	20.9594	83	1,003.4	4,882.2	838.272	3.8658
29	34,659	753,117	9,190.775	20.7297	84	836.36	3,878.83	705.190	3.6378
30	33,428	718,459	9,132.479	20.4926	85	689.91	3,042.47	587.025	3.4099
31	32,239	685,031	9,073.932	20.2484	86	561.48	2,352.56	481.921	3.1900
32	31,090	652,791	9,014.993	19.9968	87	450.26	1,791.08	389.688	2.9779
33	29,979	621,701	8,955.255	19.7379	88	355.23	1,340.83	309.889	2.7745
34	28,904	591,722	8,894.370	19.4718	89	275.03	985.60	241.698	2.5836
35	27,864	562,818	8,831.924	19.1984	90	208.43	710.57	184.396	2.4092
36	26,858	534,954	8,767.434	18.9181	91	154.42	502.14	137.435	2.2519
37	25,882	508,096	8,700.327	18.6310	92	111.81	347.73	100.053	2.1099
38	24,937	482,214	8,629.998	18.3375	93	79.087	235.917	71.109	1.9830
39	24,019	457,277	8,555.829	18.0379	94	54.649	156.831	49.346	1.8698
40	23,129	433,258	8,477.279	17.7326	95	36.934	102.182	33.479	1.7666
41	22,263	410,129	8,393.848	17.4220	96	24.474	65.247	22.268	1.6660
42	21,421	387,866	8,305.182	17.1065	97	15.863	40.773	14.484	1.5703
43	20,603	366,445	8,211.074	16.7861	98	10.047	24.910	9.204	1.4794
44	19,807	345,842	8,111.383	16.4610	99	6.2108	14.8631	5.7081	1.3931
45	19,031	326,035	8,005.890	16.1316	100	3.7435	8.6523	3.4509	1.3113
46	18,276	307,004	7,894.618	15.7978	101	2.1976	4.9088	2.0316	1.2337
47	17,541	288,728	7,777.181	15.4602	102	1.2550	2.7112	1.1633	1.1603
48	16,823	271,187	7,652.576	15.1199	103	.69648	1.45622	.64724	1.0908
49	16,121	254,364	7,519.633	14.7781	104	.37516	.75974	.34947	1.0251
50	15,434	238,242	7,377.708	14.4360	105	.19591	.38458	.18291	.9630
51	14,761	222,808	7,226.570	14.0942	106	.09907	.18866	.09269	.9043
52	14,102	208,047	7,066.787	13.7528	107	.04846	.08959	.04543	.8490
53	13,458	193,945	6,899.496	13.4111	108	.02290	.04114	.02150	.7968
54	12,830	180,487	6,726.142	13.0680	109	.01044	.01824	.00982	.7475

TABLE 3. UNITED STATES TOTAL MALES: 1959-61—ACTUARIAL FUNCTIONS AT 4½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,105,881	9,316.109	20.0588	55	7,199.4	90,388.3	3,307.098	11.5549
1	92,906	2,005,881	6,528.338	20.5904	56	6,782.7	83,188.9	3,200.353	11.2650
2	88,745	1,912,975	6,367.720	20.5560	57	6,382.2	76,406.2	3,091.947	10.9718
3	84,826	1,824,231	6,270.126	20.5057	58	5,996.9	70,024.1	2,981.472	10.6768
4	81,101	1,739,405	6,198.376	20.4474	59	5,625.5	64,027.2	2,868.367	10.3816
5	77,551	1,658,304	6,141.227	20.3833	60	5,267.3	58,401.7	2,752.431	10.0875
6	74,163	1,580,753	6,092.592	20.3145	61	4,922.1	53,134.4	2,633.990	9.7951
7	70,927	1,506,590	6,050.250	20.2413	62	4,589.8	48,212.3	2,513.685	9.5042
8	67,836	1,435,662	6,012.959	20.1638	63	4,270.6	43,622.5	2,392.076	9.2147
9	64,882	1,367,827	5,980.123	20.0818	64	3,964.4	39,351.9	2,269.794	8.9264
10	62,059	1,302,945	5,951.175	19.9953	65	3,671.3	35,387.5	2,147.419	8.6390
11	59,360	1,240,886	5,925.042	19.9043	66	3,391.1	31,716.3	2,025.356	8.3527
12	56,779	1,181,526	5,899.786	19.8092	67	3,123.8	28,325.1	1,904.013	8.0677
13	54,307	1,124,747	5,872.585	19.7110	68	2,869.2	25,201.4	1,783.938	7.7835
14	51,936	1,070,440	5,840.400	19.6108	69	2,627.4	22,332.2	1,665.687	7.4999
15	49,660	1,018,504	5,801.446	19.5094	70	2,398.3	19,704.8	1,549.725	7.2163
16	47,476	968,844	5,755.528	19.4070	71	2,181.7	17,306.6	1,436.436	6.9326
17	45,380	921,368	5,703.647	19.3035	72	1,977.4	15,124.9	1,326.090	6.6489
18	43,369	875,988	5,646.943	19.1985	73	1,785.0	13,147.5	1,218.890	6.3653
19	41,441	832,619	5,586.942	19.0915	74	1,604.3	11,362.4	1,114.987	6.0826
20	39,595	791,178	5,524.956	18.9819	75	1,434.8	9,758.2	1,014.563	5.8012
21	37,826	751,583	5,461.051	18.8695	76	1,276.4	8,323.4	917.978	5.5210
22	36,132	713,757	5,395.763	18.7543	77	1,129.0	7,047.0	825.507	5.2420
23	34,511	677,625	5,331.151	18.6349	78	992.02	5,918.03	737.181	4.9656
24	32,963	643,114	5,269.535	18.5099	79	865.10	4,926.00	652.975	4.6941
25	31,487	610,151	5,212.291	18.3780	80	747.86	4,060.90	572.992	4.4300
26	30,078	578,664	5,159.658	18.2386	81	639.81	3,313.04	497.146	4.1781
27	28,734	548,586	5,110.882	18.0917	82	540.91	2,673.23	425.790	3.9421
28	27,451	519,851	5,064.982	17.9375	83	451.71	2,132.32	359.886	3.7206
29	26,225	492,401	5,020.671	17.7763	84	372.92	1,680.61	300.547	3.5067
30	25,052	466,176	4,976.983	17.6087	85	304.68	1,307.70	248.364	3.2921
31	23,929	441,124	4,933.528	17.4345	86	245.58	1,003.02	202.392	3.0842
32	22,856	417,195	4,890.199	17.2536	87	195.05	757.44	162.436	2.8832
33	21,828	394,340	4,846.704	17.0659	88	152.42	562.38	128.198	2.6898
34	20,844	372,512	4,802.797	16.8714	89	116.87	409.97	99.220	2.5078
35	19,902	351,668	4,758.196	16.6702	90	87.723	293.093	75.102	2.3411
36	18,999	331,766	4,712.575	16.4622	91	64.370	205.370	55.526	2.1905
37	18,134	312,767	4,665.558	16.2476	92	46.164	141.000	40.092	2.0543
38	17,304	294,633	4,616.755	16.0266	93	32.340	94.836	28.256	1.9325
39	16,508	277,329	4,565.779	15.7995	94	22.133	62.496	19.442	1.8237
40	15,744	260,820	4,512.310	15.5665	95	14.815	40.363	13.077	1.7244
41	15,010	245,077	4,456.061	15.3280	96	9.7234	25.5478	8.6233	1.6274
42	14,304	230,067	4,396.855	15.0841	97	6.2420	15.8243	5.5606	1.5351
43	13,626	215,763	4,334.615	14.8348	98	3.9155	9.5823	3.5028	1.4473
44	12,974	202,137	4,269.316	14.5804	99	2.3973	5.6668	2.1533	1.3638
45	12,347	189,163	4,200.876	14.3210	100	1.4311	3.2695	1.2903	1.2845
46	11,743	176,817	4,129.378	14.0566	101	.83209	1.83837	.75293	1.2093
47	11,163	165,073	4,054.641	13.7875	102	.47066	1.00628	.42733	1.1380
48	10,604	153,910	3,976.101	13.5146	103	.25870	.53562	.23563	1.0705
49	10,064	143,306	3,893.108	13.2392	104	.13801	.27692	.12609	1.0065
50	9,543.1	133,242.1	3,805.355	12.9622	105	.07138	.13891	.06540	.9460
51	9,039.6	123,699.1	3,712.799	12.6842	106	.03575	.06753	.03284	.8888
52	8,553.4	114,659.5	3,615.887	12.4052	107	.01732	.03178	.01595	.8348
53	8,084.6	106,106.1	3,515.391	12.1245	108	.00811	.01446	.00748	.7838
54	7,633.3	98,021.6	3,412.250	11.8414	109	.00366	.00635	.00339	.7356

TABLE 4. UNITED STATES TOTAL FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 2½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	3,331,412	18,746.043	32.3141	55	22,745	401,521	12,952.000	16.6530
1	95,360	3,231,412	16,544.865	32.8865	56	22,017	378,776	12,778.142	16.2041
2	92,887	3,136,052	16,397.446	32.7622	57	21,299	356,760	12,597.441	15.7501
3	90,537	3,043,166	16,313.154	32.6125	58	20,590	335,461	12,408.060	15.2924
4	88,266	2,952,629	16,250.844	32.4514	59	19,887	314,871	12,207.712	14.8326
5	86,061	2,864,363	16,198.979	32.2827	60	19,190	294,983	11,994.792	14.3721
6	83,919	2,778,302	16,155.622	32.1069	61	18,495	275,794	11,768.476	13.9117
7	81,836	2,694,382	16,118.923	31.9243	62	17,805	257,299	11,528.967	13.4513
8	79,808	2,612,547	16,087.439	31.7354	63	17,118	239,494	11,276.938	12.9906
9	77,834	2,532,739	16,060.047	31.5402	64	16,437	222,376	11,013.454	12.5288
10	75,911	2,454,905	16,035.771	31.3390	65	15,762	205,938	10,739.076	12.0655
11	74,038	2,378,993	16,013.620	31.1321	66	15,092	190,176	10,453.992	11.6008
12	72,211	2,304,955	15,992.461	30.9198	67	14,428	175,084	10,157.437	11.1352
13	70,428	2,232,744	15,970.981	30.7024	68	13,766	160,656	9,847.940	10.6702
14	68,687	2,162,316	15,947.861	30.4806	69	13,106	146,890	9,523.658	10.2075
15	66,986	2,093,629	15,922.214	30.2546	70	12,446	133,784	9,183.448	9.7487
16	65,324	2,026,643	15,893.452	30.0246	71	11,787	121,337	8,827.822	9.2939
17	63,699	1,961,319	15,861.664	29.7906	72	11,130	109,550	8,457.604	8.8431
18	62,111	1,897,620	15,827.523	29.5521	73	10,473	98,420	8,072.615	8.3974
19	60,561	1,835,509	15,792.040	29.3087	74	9,817.7	87,947.2	7,672.682	7.9580
20	59,047	1,774,949	15,755.920	29.0598	75	9,163.8	78,129.4	7,258.246	7.5258
21	57,570	1,715,901	15,719.133	28.8053	76	8,514.2	68,965.6	6,832.095	7.1001
22	56,129	1,658,331	15,681.434	28.5452	77	7,870.8	60,451.4	6,396.364	6.6805
23	54,721	1,602,202	15,643.002	28.2794	78	7,233.1	52,580.6	5,950.658	6.2694
24	53,347	1,547,481	15,604.015	28.0076	79	6,600.2	45,347.5	5,494.140	5.8707
25	52,007	1,494,134	15,564.537	27.7296	80	5,973.0	38,747.3	5,027.937	5.4871
26	50,698	1,442,127	15,524.536	27.4452	81	5,352.7	32,774.3	4,553.333	5.1229
27	49,421	1,391,429	15,483.807	27.1546	82	4,744.7	27,421.6	4,075.861	4.7794
28	48,174	1,342,008	15,442.014	26.8576	83	4,158.9	22,676.9	3,605.835	4.4526
29	46,956	1,293,834	15,398.737	26.5544	84	3,607.3	18,518.0	3,155.612	4.1335
30	45,765	1,246,878	15,353.626	26.2451	85	3,097.8	14,910.7	2,734.164	3.8133
31	44,602	1,201,113	15,306.396	25.9297	86	2,616.6	11,812.9	2,328.468	3.5146
32	43,464	1,156,511	15,256.905	25.6082	87	2,169.6	9,196.3	1,945.311	3.2387
33	42,353	1,113,046	15,205.099	25.2805	88	1,763.4	7,026.7	1,592.048	2.9847
34	41,265	1,070,694	15,150.976	24.9465	89	1,402.5	5,263.3	1,274.154	2.7527
35	40,202	1,029,428	15,094.428	24.6061	90	1,089.7	3,860.7	995.506	2.5430
36	39,163	989,226	15,035.238	24.2594	91	825.71	2,771.08	758.127	2.3560
37	38,145	950,063	14,973.029	23.9064	92	609.60	1,945.36	562.154	2.1912
38	37,149	911,918	14,907.336	23.5474	93	438.31	1,335.76	405.730	2.0475
39	36,173	874,769	14,837.633	23.1826	94	307.11	897.45	285.224	1.9222
40	35,217	838,595	14,763.477	22.8122	95	210.03	590.34	195.628	1.8108
41	34,279	803,378	14,684.512	22.4364	96	140.53	380.31	131.255	1.7063
42	33,359	769,099	14,600.523	22.0552	97	91.975	239.781	86.127	1.6070
43	32,456	735,740	14,511.386	21.6687	98	58.819	147.806	55.214	1.5129
44	31,570	703,284	14,417.035	21.2768	99	36.716	88.987	34.546	1.4237
45	30,701	671,714	14,317.325	20.8795	100	22.346	52.271	21.071	1.3391
46	29,847	641,013	14,212.107	20.4769	101	13.246	29.925	12.516	1.2591
47	29,008	611,166	14,101.033	20.0692	102	7.6386	16.6786	7.2318	1.1835
48	28,183	582,159	13,983.539	19.6567	103	4.2804	9.0401	4.0599	1.1120
49	27,371	553,976	13,858.973	19.2398	104	2.3281	4.7596	2.2121	1.0444
50	26,571	526,606	13,726.876	18.8189	105	1.2276	2.4315	1.1683	.9806
51	25,783	500,035	13,586.609	18.3943	106	.62686	1.20384	.59750	.9204
52	25,005	474,252	13,438.139	17.9661	107	.30959	.57698	.29552	.8637
53	24,239	449,247	13,282.254	17.5337	108	.14771	.26739	.14119	.8102
54	23,486	425,007	13,120.046	17.0961	109	.06800	.11968	.06509	.7598

TABLE 5. UNITED STATES TOTAL FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 3% PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,633,259	10,952.586	25.3326	55	13,335	211,306	6,189.084	14.8463
1	94,438	2,533,259	8,772.675	25.8244	56	12,783	197,971	6,088.142	14.4873
2	91,100	2,438,821	8,628.092	25.7707	57	12,247	185,188	5,984.241	14.1216
3	87,938	2,347,721	8,546.220	25.6975	58	11,725	172,942	5,876.401	13.7502
4	84,904	2,259,783	8,486.283	25.6157	59	11,215	161,217	5,763.418	13.3749
5	81,983	2,174,879	8,436.875	25.5282	60	10,717	150,002	5,644.506	12.9966
6	79,170	2,092,895	8,395.972	25.4354	61	10,229	139,285	5,519.333	12.6161
7	76,459	2,013,725	8,361.685	25.3374	62	9,752.3	129,055.5	5,388.143	12.2333
8	73,844	1,937,266	8,332.554	25.2346	63	9,285.8	119,303.1	5,251.430	11.8479
9	71,322	1,863,422	8,307.453	25.1270	64	8,830.3	110,017.3	5,109.883	11.4591
10	68,888	1,792,101	8,285.423	25.0148	65	8,385.7	101,187.0	4,963.908	11.0666
11	66,538	1,723,213	8,265.516	24.9880	66	7,951.9	92,801.3	4,813.703	10.6703
12	64,269	1,656,674	8,246.683	24.7770	67	7,528.3	84,849.4	4,658.964	10.2708
13	62,077	1,592,405	8,227.751	24.6520	68	7,113.8	77,321.2	4,499.032	9.8692
14	59,958	1,530,328	8,207.569	24.5234	69	6,707.2	70,207.4	4,333.078	9.4674
15	57,908	1,470,370	8,185.398	24.3915	70	6,308.0	63,500.2	4,160.656	9.0666
16	55,925	1,412,462	8,160.775	24.2563	71	5,916.2	57,192.1	3,982.163	8.6670
17	54,007	1,356,537	8,133.823	24.1178	72	5,532.1	51,276.0	3,798.140	8.2688
18	52,152	1,302,530	8,105.156	23.9756	73	5,155.5	45,743.8	3,608.625	7.8728
19	50,359	1,250,378	8,075.650	23.8293	74	4,786.2	40,588.3	3,413.655	7.4803
20	48,626	1,200,019	8,045.905	23.6784	75	4,424.3	35,802.1	3,213.567	7.0922
21	46,952	1,151,392	8,015.903	23.5228	76	4,070.9	31,377.9	3,009.810	6.7078
22	45,334	1,104,440	7,985.455	23.3625	77	3,726.9	27,307.0	2,803.487	6.3270
23	43,770	1,059,107	7,954.713	23.1971	78	3,391.9	23,580.0	2,594.479	5.9519
24	42,259	1,015,337	7,923.830	23.0266	79	3,065.2	20,188.2	2,382.469	5.5863
25	40,799	973,078	7,892.860	22.8506	80	2,747.1	17,123.0	2,168.054	5.2331
26	39,388	932,279	7,861.783	22.6690	81	2,438.0	14,375.9	1,951.883	4.8965
27	38,025	892,891	7,830.446	22.4818	82	2,140.2	11,937.9	1,736.508	4.5779
28	36,707	854,866	7,798.601	22.2888	83	1,857.9	9,797.7	1,526.539	4.2736
29	35,433	818,159	7,765.943	22.0902	84	1,595.9	7,939.8	1,327.361	3.9753
30	34,201	782,726	7,732.231	21.8859	85	1,357.2	6,344.0	1,142.714	3.6742
31	33,010	748,525	7,697.277	21.6759	86	1,135.3	4,986.7	966.685	3.3924
32	31,857	715,515	7,661.002	21.4601	87	932.28	3,851.41	802.042	3.1312
33	30,742	683,658	7,623.398	21.2384	88	750.43	2,919.12	651.712	2.8900
34	29,664	652,916	7,584.491	21.0105	89	591.08	2,168.70	517.739	2.6691
35	28,620	623,252	7,544.235	20.7765	90	454.79	1,577.62	401.441	2.4689
36	27,611	594,631	7,502.504	20.5362	91	341.30	1,122.83	303.325	2.2899
37	26,634	567,021	7,459.069	20.2896	92	249.53	781.53	223.105	2.1320
38	25,688	540,387	7,413.644	20.0369	93	177.68	532.00	159.693	1.9941
39	24,771	514,699	7,365.912	19.7781	94	123.30	354.32	111.314	1.8737
40	23,883	489,928	7,315.622	19.5135	95	83.504	231.021	75.692	1.7666
41	23,023	466,045	7,262.587	19.2430	96	55.334	147.517	50.345	1.6660
42	22,188	443,022	7,206.723	18.9666	97	35.865	92.183	32.748	1.5703
43	21,379	420,834	7,148.008	18.6844	98	22.715	56.318	20.810	1.4794
44	20,595	399,455	7,086.459	18.3961	99	14.042	33.604	12.905	1.3931
45	19,834	378,860	7,022.042	18.1018	100	8.4636	19.5619	7.8021	1.3113
46	19,096	359,027	6,954.724	17.8014	101	4.9685	11.0983	4.5932	1.2337
47	18,380	339,931	6,884.347	17.4950	102	2.8375	6.1298	2.6302	1.1603
48	17,684	321,551	6,810.620	17.1828	103	1.5747	3.2924	1.4633	1.0908
49	17,009	303,867	6,733.211	16.8652	104	.84820	1.71768	.79011	1.0251
50	16,352	286,858	6,651.915	16.5422	105	.44294	.86949	.41354	.9630
51	15,714	270,506	6,566.425	16.2144	106	.22399	.42655	.20956	.9043
52	15,093	254,792	6,476.810	15.8815	107	.10955	.20256	.10270	.8490
53	14,489	239,699	6,383.628	15.5431	108	.05176	.09301	.04862	.7968
54	13,903	225,209	6,287.604	15.1982	109	.02360	.04124	.02221	.7475

TABLE 6. UNITED STATES TOTAL FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 4% PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,157,711	7,084.196	20.5771	55	7,857.9	112,643.1	3,007.239	13.3350
1	93,535	2,057,711	4,925.146	20.9994	56	7,460.6	104,785.2	2,948.325	13.0451
2	89,365	1,964,177	4,783.316	20.9792	57	7,079.3	97,324.6	2,888.264	12.7478
3	85,437	1,874,812	4,703.772	20.9437	58	6,712.7	90,245.3	2,826.523	12.4440
4	81,700	1,789,374	4,646.097	20.9016	59	6,359.6	83,532.6	2,762.456	12.1350
5	78,135	1,707,674	4,599.009	20.8554	60	6,018.9	77,173.1	2,695.672	11.8218
6	74,732	1,629,539	4,560.398	20.8051	61	5,690.1	71,154.2	2,626.046	11.5049
7	71,482	1,554,807	4,528.343	20.7511	62	5,372.8	65,464.1	2,553.770	11.1844
8	68,377	1,483,325	4,501.368	20.6935	63	5,066.8	60,091.3	2,479.172	10.8597
9	65,409	1,414,948	4,478.349	20.6323	64	4,772.1	55,024.4	2,402.676	10.5303
10	62,572	1,349,539	4,458.339	20.5676	65	4,488.5	50,252.3	2,324.541	10.1957
11	59,860	1,286,967	4,440.429	20.4996	66	4,215.6	45,763.8	2,244.912	9.8558
12	57,266	1,227,107	4,423.649	20.4284	67	3,952.8	41,548.2	2,163.664	9.5110
13	54,783	1,169,841	4,406.941	20.3541	68	3,699.4	37,595.4	2,080.493	9.1625
14	52,406	1,115,058	4,389.301	20.2772	69	3,454.6	33,895.9	1,995.017	8.8117
15	50,130	1,062,652	4,370.108	20.1978	70	3,217.9	30,441.3	1,907.059	8.4599
16	47,950	1,012,522	4,348.996	20.1160	71	2,989.2	27,223.3	1,816.874	8.1073
17	45,863	964,571	4,326.109	20.0317	72	2,768.4	24,234.2	1,724.786	7.7540
18	43,864	918,709	4,301.997	19.9447	73	2,555.2	21,465.8	1,630.857	7.4008
19	41,950	874,845	4,277.418	19.8544	74	2,349.5	18,910.6	1,535.149	7.0488
20	40,119	832,895	4,252.877	19.7605	75	2,151.0	16,561.1	1,437.869	6.6992
21	38,367	792,776	4,228.361	19.6629	76	1,960.3	14,410.1	1,339.753	6.3510
22	36,690	754,409	4,203.718	19.5616	77	1,777.5	12,449.8	1,241.351	6.0042
23	35,086	717,719	4,179.076	19.4562	78	1,602.2	10,672.3	1,142.623	5.6611
24	33,550	682,633	4,154.557	19.3466	79	1,434.0	9,070.1	1,043.436	5.3250
25	32,081	649,083	4,130.205	19.2325	80	1,272.9	7,636.1	944.083	4.9989
26	30,675	617,002	4,106.002	19.1139	81	1,118.9	6,363.2	844.875	4.6871
27	29,330	586,326	4,081.830	18.9904	82	972.81	5,244.32	746.978	4.3909
28	28,043	556,996	4,057.502	18.8622	83	836.39	4,271.51	652.453	4.1071
29	26,811	528,953	4,032.791	18.7292	84	711.57	3,435.11	563.642	3.8275
30	25,631	502,142	4,007.527	18.5913	85	599.38	2,723.55	482.099	3.5439
31	24,501	476,511	3,981.582	18.4485	86	496.58	2,124.17	405.106	3.2776
32	23,419	452,010	3,954.915	18.3006	87	403.87	1,627.59	333.782	3.0300
33	22,384	428,591	3,927.535	18.1475	88	321.98	1,223.72	269.281	2.8006
34	21,392	406,207	3,899.478	17.9890	89	251.18	901.74	212.349	2.5900
35	20,442	384,815	3,870.726	17.8250	90	191.42	650.56	163.401	2.3987
36	19,532	364,374	3,841.206	17.6553	91	142.27	459.15	122.500	2.2273
37	18,660	344,842	3,810.773	17.4799	92	103.03	316.88	89.380	2.0757
38	17,825	326,181	3,779.252	17.2987	93	72.658	213.850	63.449	1.9432
39	17,025	308,356	3,746.446	17.1120	94	49.936	141.192	43.855	1.8275
40	16,258	291,331	3,712.213	16.9197	95	33.496	91.257	29.566	1.7244
41	15,522	275,073	3,676.457	16.7218	96	21.984	57.761	19.496	1.6274
42	14,816	259,552	3,639.154	16.5183	97	14.113	35.777	12.572	1.5351
43	14,139	244,736	3,600.323	16.3090	98	8.8524	21.6645	7.9195	1.4473
44	13,490	230,597	3,560.007	16.0939	99	5.4201	12.8121	4.8684	1.3638
45	12,867	217,107	3,518.216	15.8727	100	3.2357	7.3920	2.9173	1.2845
46	12,270	204,239	3,474.961	15.6455	101	1.8813	4.1564	1.7023	1.2093
47	11,697	191,969	3,430.172	15.4121	102	1.0641	2.2751	.9661	1.1380
48	11,147	180,272	3,383.701	15.1728	103	.58488	1.21097	.53273	1.0705
49	10,618	169,126	3,335.376	14.9278	104	.31203	.62609	.28507	1.0065
50	10,111	158,508	3,285.111	14.6771	105	.16139	.31406	.14786	.9460
51	9,623.0	148,396.8	3,232.758	14.4210	106	.08083	.15267	.07426	.8888
52	9,154.3	138,773.7	3,178.403	14.1594	107	.03916	.07184	.03606	.8348
53	8,704.1	129,619.4	3,122.427	13.8917	108	.01832	.03269	.01692	.7838
54	8,272.2	120,915.3	3,065.295	13.6171	109	.00827	.01436	.00766	.7356

TABLE 7. UNITED STATES WHITE MALES: 1959-61--ACTUARIAL FUNCTIONS AT 2% PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	3,215,715	21,567.928	31.1571	55	21,205	322,235	13,346.048	14.1959
1	95,033	3,115,715	19,039.459	31.7858	56	20,383	301,029	13,040.875	13.7686
2	92,572	3,020,682	18,897.228	31.6305	57	19,569	280,646	12,724.055	13.3413
3	90,223	2,928,110	18,805.846	31.4541	58	18,762	261,077	12,393.774	12.9156
4	87,951	2,837,887	18,734.634	31.2665	59	17,958	242,316	12,047.618	12.4936
5	85,747	2,749,935	18,675.447	31.0703	60	17,156	224,358	11,684.293	12.0772
6	83,604	2,664,188	18,623.597	30.8668	61	16,358	207,201	11,304.241	11.6667
7	81,518	2,580,585	18,577.125	30.6565	62	15,564	190,844	10,909.151	11.2620
8	79,488	2,499,066	18,535.118	30.4396	63	14,776	175,280	10,500.674	10.8626
9	77,511	2,419,578	18,497.378	30.2157	64	13,996	160,504	10,080.882	10.4682
10	75,587	2,342,067	18,463.665	29.9849	65	13,225	146,508	9,651.680	10.0781
11	73,713	2,266,480	18,432.983	29.7474	66	12,465	133,283	9,214.389	9.6924
12	71,885	2,192,767	18,403.046	29.5037	67	11,717	120,818	8,770.242	9.3113
13	70,099	2,120,882	18,370.149	29.2555	68	10,982	109,101	8,320.956	8.9346
14	68,349	2,050,783	18,330.022	29.0045	69	10,261	98,119	7,868.316	8.5619
15	66,632	1,982,434	18,279.928	28.7520	70	9,556.9	87,857.5	7,414.018	8.1931
16	64,946	1,915,802	18,219.243	28.4983	71	8,869.6	78,300.7	6,959.861	7.8279
17	63,292	1,850,855	18,149.138	28.2431	72	8,200.8	69,431.0	6,507.319	7.4664
18	61,670	1,787,563	18,071.147	27.9858	73	7,550.8	61,230.3	6,057.424	7.1091
19	60,082	1,725,893	17,987.508	27.7254	74	6,920.3	53,679.4	5,611.037	6.7568
20	58,530	1,665,811	17,900.162	27.4610	75	6,309.8	46,759.1	5,169.339	6.4106
21	57,011	1,607,281	17,809.101	27.1924	76	5,720.9	40,449.3	4,734.360	6.0704
22	55,526	1,550,270	17,714.938	26.9195	77	5,155.2	34,728.4	4,308.169	5.7366
23	54,078	1,494,744	17,620.751	26.6406	78	4,613.5	29,573.2	3,892.178	5.4102
24	52,668	1,440,666	17,530.185	26.3535	79	4,096.5	24,959.7	3,487.724	5.0929
25	51,299	1,387,997	17,445.562	26.0569	80	3,605.4	20,863.2	3,096.526	4.7867
26	49,970	1,336,698	17,367.523	25.7501	81	3,140.0	17,257.8	2,719.028	4.4962
27	48,679	1,286,728	17,294.999	25.4331	82	2,701.9	14,117.9	2,357.567	4.2252
28	47,423	1,238,050	17,226.348	25.1067	83	2,296.1	11,416.0	2,017.665	3.9719
29	46,199	1,190,627	17,159.255	24.7717	84	1,928.3	9,119.9	1,705.832	3.7296
30	45,005	1,144,428	17,091.919	24.4290	85	1,601.7	7,191.6	1,426.263	3.4901
31	43,839	1,099,423	17,023.577	24.0788	86	1,312.0	5,589.9	1,175.644	3.2607
32	42,700	1,055,584	16,954.041	23.7209	87	1,058.5	4,278.0	954.174	3.0415
33	41,587	1,012,884	16,882.775	23.3556	88	839.94	3,219.44	761.422	2.8329
34	40,500	971,297	16,809.335	22.9829	89	653.98	2,379.50	595.941	2.6385
35	39,436	930,798	16,733.145	22.6030	90	498.45	1,725.52	456.359	2.4618
36	38,394	891,362	16,653.424	22.2162	91	371.52	1,227.08	341.591	2.3029
37	37,373	852,968	16,569.238	21.8229	92	270.80	855.56	249.928	2.1594
38	36,372	815,595	16,479.659	21.4236	93	192.93	584.76	178.669	2.0309
39	35,389	779,223	16,383.721	21.0187	94	134.37	391.83	124.813	1.9161
40	34,423	743,833	16,280.510	20.6087	95	91.597	257.460	85.318	1.8108
41	33,472	709,411	16,169.159	20.1942	96	61.289	165.863	57.243	1.7063
42	32,535	675,939	16,048.904	19.7756	97	40.112	104.574	37.562	1.6070
43	31,612	643,404	15,919.062	19.3533	98	25.652	64.462	24.080	1.5129
44	30,701	611,792	15,779.004	18.9276	99	16.013	38.809	15.066	1.4237
45	29,801	581,091	15,628.044	18.4990	100	9.7457	22.7965	9.1897	1.3391
46	28,912	551,290	15,465.937	18.0678	101	5.7769	13.0508	5.4586	1.2591
47	28,033	522,378	15,291.941	17.6345	102	3.3314	7.2739	3.1539	1.1835
48	27,162	494,345	15,104.420	17.2001	103	1.8668	3.9426	1.7706	1.1120
49	26,296	467,183	14,901.486	16.7662	104	1.0154	2.0758	.9647	1.0444
50	25,435	440,887	14,681.946	16.3337	105	.53541	1.06043	.50954	.9806
51	24,578	415,452	14,445.083	15.9034	106	.27339	.52502	.26058	.9204
52	23,725	390,874	14,191.397	15.4753	107	.13502	.25163	.12888	.8637
53	22,877	367,149	13,922.407	15.0486	108	.06442	.11661	.06158	.8102
54	22,037	344,272	13,640.181	14.6224	109	.02966	.05219	.02839	.7598

TABLE 8. UNITED STATES WHITE MALES: 1959-61—ACTUARIAL FUNCTIONS AT 3 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,860,295	16,690.431	27.6030	55	16,226	234,837	9,386.126	13.4728
1	94,571	2,760,295	14,174.236	28.1875	56	15,521	218,611	9,153.746	13.0848
2	91,676	2,665,724	14,033.383	28.0777	57	14,829	203,090	8,913.669	12.6955
3	88,916	2,574,048	13,943.325	27.9493	58	14,148	188,261	8,664.606	12.3066
4	86,256	2,485,133	13,873.485	27.8111	59	13,476	174,113	8,404.840	11.9201
5	83,686	2,398,877	13,815.722	27.6652	60	12,812	160,637	8,133.512	11.5377
6	81,198	2,315,191	13,765.363	27.5129	61	12,157	147,825	7,851.071	11.1600
7	78,788	2,233,993	13,720.447	27.3544	62	11,510	135,668	7,558.879	10.7866
8	76,453	2,155,204	13,680.045	27.1899	63	10,874	124,158	7,258.254	10.4173
9	74,190	2,078,751	13,643.922	27.0193	64	10,250	113,283	6,950.800	10.0517
10	71,997	2,004,561	13,611.810	26.8423	65	9,638.9	103,032.7	6,637.981	9.6892
11	69,871	1,932,564	13,582.727	26.6590	66	9,041.0	93,393.8	6,320.813	9.3300
12	67,808	1,862,693	13,554.488	26.4702	67	8,457.1	84,352.8	6,000.237	8.9742
13	65,802	1,794,886	13,523.608	26.2771	68	7,888.1	75,895.7	5,677.525	8.6216
14	63,848	1,729,084	13,486.123	26.0813	69	7,334.8	68,007.6	5,353.983	8.2719
15	61,942	1,665,236	13,439.556	25.8840	70	6,798.0	60,672.8	5,030.832	7.9251
16	60,081	1,603,294	13,383.417	25.6854	71	6,278.5	53,874.8	4,709.349	7.5808
17	58,267	1,543,213	13,318.878	25.4853	72	5,776.9	47,596.3	4,390.565	7.2391
18	56,498	1,484,946	13,247.427	25.2830	73	5,293.2	41,819.4	4,075.183	6.9006
19	54,776	1,428,448	13,171.174	25.0778	74	4,827.7	36,526.2	3,763.781	6.5660
20	53,102	1,373,671	13,091.929	24.8687	75	4,380.4	31,698.5	3,457.144	6.2364
21	51,473	1,320,570	13,009.714	24.6556	76	3,952.3	27,318.1	3,156.638	5.9119
22	49,889	1,269,097	12,925.111	24.4384	77	3,544.2	23,365.8	2,863.633	5.5927
23	48,352	1,219,208	12,840.896	24.2154	78	3,156.4	19,821.6	2,579.029	5.2799
24	46,863	1,170,856	12,760.313	23.9847	79	2,789.1	16,665.3	2,303.660	4.9752
25	45,423	1,123,993	12,685.384	23.7450	80	2,442.8	13,876.2	2,038.610	4.6805
26	44,031	1,078,570	12,616.619	23.4955	81	2,117.1	11,433.4	1,784.084	4.4005
27	42,685	1,034,539	12,553.024	23.2365	82	1,812.9	9,316.4	1,541.554	4.1389
28	41,382	991,853	12,493.118	22.9682	83	1,533.1	7,503.4	1,314.596	3.8942
29	40,118	950,471	12,434.856	22.6916	84	1,281.3	5,970.3	1,107.391	3.6596
30	38,892	910,353	12,376.666	22.4073	85	1,059.1	4,689.0	922.526	3.4274
31	37,700	871,461	12,317.894	22.1155	86	863.34	3,629.92	757.610	3.2045
32	36,543	833,761	12,258.385	21.8161	87	693.16	2,766.58	612.581	2.9913
33	35,418	797,218	12,197.691	21.5091	88	547.36	2,073.42	486.972	2.7880
34	34,324	761,801	12,135.450	21.1945	89	424.11	1,526.06	379.657	2.5983
35	33,260	727,477	12,071.191	20.8725	90	321.67	1,101.95	289.577	2.4257
36	32,224	694,217	12,004.281	20.5433	91	238.60	780.28	215.871	2.2703
37	31,215	661,993	11,933.966	20.2073	92	173.07	541.68	157.289	2.1299
38	30,232	630,777	11,859.511	19.8648	93	122.70	368.62	111.968	2.0041
39	29,272	600,546	11,780.157	19.5162	94	85.045	245.913	77.882	1.8916
40	28,334	571,274	11,695.201	19.1620	95	57.692	160.869	53.006	1.7884
41	27,418	542,940	11,603.990	18.8025	96	38.415	103.177	35.410	1.6859
42	26,521	515,522	11,505.964	18.4381	97	25.020	64.762	23.133	1.5884
43	25,643	489,001	11,400.637	18.0693	98	15.923	39.743	14.765	1.4960
44	24,783	463,357	11,287.574	17.6963	99	9.8910	23.8198	9.1972	1.4082
45	23,940	438,574	11,166.302	17.3195	100	5.9907	13.9288	5.5850	1.3251
46	23,113	414,634	11,036.707	16.9391	101	3.5338	7.9381	3.3026	1.2463
47	22,302	391,520	10,898.283	16.5556	102	2.0280	4.4043	1.8997	1.1718
48	21,504	369,218	10,749.824	16.1699	103	1.1309	2.3763	1.0617	1.1013
49	20,718	347,715	10,589.941	15.7836	104	.61211	1.24543	.57584	1.0347
50	19,942	326,997	10,417.816	15.3974	105	.32120	.63332	.30276	.9717
51	19,176	307,055	10,233.009	15.0122	106	.16322	.31212	.15413	.9123
52	18,421	287,879	10,036.039	14.6279	107	.08022	.14891	.07588	.8563
53	17,676	269,458	9,828.199	14.2439	108	.03809	.06869	.03609	.8034
54	16,945	251,781	9,611.191	13.8591	109	.01745	.03060	.01656	.7536

TABLE 9. UNITED STATES WHITE MALES: 1959-61—ACTUARIAL FUNCTIONS AT 3½ PERCENT INTEREST

x	D_x	N_x	M_x	$\bar{a}_x$	x	D_x	N_x	M_x	a_x
0	100,000	2,567,193	13,186.700	24.6719	55	12,432	171,661	6,627.009	12.8080
1	94,114	2,467,193	10,682.660	25.2149	56	11,834	159,229	6,449.826	12.4548
2	90,792	2,373,079	10,543.165	25.1375	57	11,252	147,395	6,267.657	12.0994
3	87,633	2,282,287	10,454.406	25.0436	58	10,683	136,143	6,079.584	11.7434
4	84,601	2,194,654	10,385.906	24.9411	59	10,127	125,460	5,884.375	11.3887
5	81,684	2,110,052	10,329.525	24.8319	60	9,581.6	115,332.6	5,681.464	11.0369
6	78,873	2,028,368	10,280.608	24.7170	61	9,047.4	105,751.0	5,471.262	10.6886
7	76,162	1,949,496	10,237.189	24.5966	62	8,525.0	96,703.6	5,254.853	10.3435
8	73,548	1,873,333	10,198.322	24.4710	63	8,015.2	88,178.6	5,033.274	10.0015
9	71,026	1,799,786	10,163.740	24.3398	64	7,518.6	80,163.4	4,807.757	9.6620
10	68,594	1,728,760	10,133.146	24.2029	65	7,036.0	72,644.8	4,579.412	9.3247
11	66,246	1,660,166	10,105.572	24.0605	66	6,567.7	65,608.8	4,349.013	8.9897
12	63,980	1,593,920	10,078.927	23.9129	67	6,113.8	59,041.2	4,117.261	8.6570
13	61,787	1,529,940	10,049.931	23.7615	68	5,674.9	52,927.3	3,885.093	8.3266
14	59,663	1,468,153	10,014.903	23.6076	69	5,251.4	47,252.4	3,653.452	7.9981
15	57,602	1,408,490	9,971.599	23.4522	70	4,843.5	42,001.1	3,423.209	7.6716
16	55,602	1,350,889	9,919.645	23.2957	71	4,451.8	37,157.5	3,195.261	7.3466
17	53,662	1,295,287	9,860.206	23.1378	72	4,076.3	32,705.7	2,970.319	7.0234
18	51,782	1,241,625	9,794.720	22.9779	73	3,717.0	28,629.4	2,748.852	6.7023
19	49,961	1,189,843	9,725.170	22.8152	74	3,373.7	24,912.4	2,531.236	6.3843
20	48,200	1,139,881	9,653.240	22.6490	75	3,046.3	21,538.7	2,317.986	6.0703
21	46,496	1,091,681	9,578.975	22.4792	76	2,735.4	18,492.4	2,110.008	5.7605
22	44,847	1,045,186	9,502.921	22.3054	77	2,441.0	15,757.0	1,908.202	5.4550
23	43,255	1,000,338	9,427.583	22.1263	78	2,163.4	13,316.0	1,713.129	5.1550
24	41,721	957,083	9,355.842	21.9401	79	1,902.4	11,152.6	1,525.298	4.8622
25	40,244	915,362	9,289.457	21.7455	80	1,658.2	9,250.1	1,345.379	4.5785
26	38,822	875,118	9,228.827	21.5417	81	1,430.2	7,591.9	1,173.437	4.3084
27	37,454	836,296	9,173.027	21.3289	82	1,218.8	6,161.8	1,010.392	4.0558
28	36,135	798,842	9,120.716	21.1073	83	1,025.7	4,943.0	858.552	3.8191
29	34,862	762,708	9,070.088	20.8778	84	853.07	3,917.30	720.597	3.5920
30	33,633	727,845	9,019.766	20.6409	85	701.73	3,064.24	598.110	3.3667
31	32,445	694,213	8,969.187	20.3966	86	569.26	2,362.50	489.369	3.1501
32	31,297	661,768	8,918.220	20.1449	87	454.84	1,793.24	394.203	2.9425
33	30,187	630,471	8,866.491	19.8857	88	357.44	1,338.40	312.178	2.7444
34	29,113	600,284	8,813.699	19.6190	89	275.61	980.96	242.438	2.5592
35	28,074	571,171	8,759.458	19.3449	90	208.03	705.35	184.181	2.3906
36	27,069	543,096	8,703.252	19.0635	91	153.56	497.32	136.744	2.2386
37	26,095	516,028	8,644.472	18.7752	92	110.85	343.76	99.223	2.1012
38	25,150	489,933	8,582.531	18.4802	93	78.211	232.910	70.335	1.9780
39	24,234	464,783	8,516.834	18.1789	94	53.945	154.699	48.714	1.8677
40	23,345	440,548	8,446.839	17.8715	95	36.418	100.753	33.011	1.7666
41	22,480	417,204	8,372.054	17.5586	96	24.132	64.335	21.957	1.6660
42	21,640	394,723	8,292.068	17.2403	97	15.642	40.203	14.282	1.5703
43	20,823	373,083	8,206.541	16.9170	98	9.9063	24.5617	9.0757	1.4794
44	20,027	352,260	8,115.175	16.5890	99	6.1239	14.6553	5.6284	1.3931
45	19,253	332,233	8,017.649	16.2565	100	3.6912	8.5314	3.4027	1.3113
46	18,498	312,980	7,913.934	15.9199	101	2.1669	4.8402	2.0032	1.2337
47	17,762	294,483	7,803.687	15.5793	102	1.2375	2.6734	1.1471	1.1603
48	17,044	276,721	7,686.019	15.2359	103	.68675	1.43587	.63819	1.0908
49	16,341	259,677	7,559.909	14.8909	104	.36992	.74912	.34458	1.0251
50	15,654	243,336	7,424.799	14.5451	105	.19318	.37920	.18035	.9630
51	14,980	227,682	7,280.436	14.1992	106	.09769	.18603	.09140	.9043
52	14,320	212,702	7,127.313	13.8534	107	.04778	.08834	.04479	.8490
53	13,675	198,382	6,966.522	13.5068	108	.02258	.04056	.02120	.7968
54	13,046	184,707	6,799.449	13.1586	109	.01029	.01799	.00968	.7475

TABLE 10. UNITED STATES WHITE MALES: 1959-61—ACTUARIAL FUNCTIONS AT 4 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,323,117	10,649,333	22.2312	55	9,537.3	125,850.4	4,696.914	12.1956
1	93,662	2,223,117	8,157,332	22.7356	56	9,035.2	116,313.1	4,561.639	11.8733
2	89,921	2,129,456	8,019,175	22.6813	57	8,549.3	107,277.9	4,423.228	11.5481
3	86,375	2,039,534	7,931,689	22.6125	58	8,078.3	98,728.6	4,281.017	11.2215
4	82,986	1,953,159	7,864,498	22.5360	59	7,620.7	90,650.3	4,134.120	10.8953
5	79,739	1,870,173	7,809,458	22.4536	60	7,175.6	83,029.6	3,982.160	10.5711
6	76,625	1,790,434	7,761,936	22.3663	61	6,743.0	75,854.0	3,825.498	10.2494
7	73,636	1,713,809	7,719,958	22.2742	62	6,323.1	69,111.0	3,664.985	9.9299
8	70,766	1,640,173	7,682,560	22.1774	63	5,916.3	62,787.9	3,501.428	9.6126
9	68,011	1,569,407	7,649,446	22.0757	64	5,523.1	56,871.6	3,335.764	9.2970
10	65,366	1,501,396	7,620,291	21.9690	65	5,143.8	51,348.5	3,168.829	8.9827
11	62,826	1,436,030	7,594,141	21.8572	66	4,778.3	46,204.7	3,001.202	8.6697
12	60,385	1,373,204	7,568,994	21.7410	67	4,426.7	41,426.4	2,833.402	8.3582
13	58,035	1,312,819	7,541,758	21.6212	68	4,089.2	36,999.7	2,666.109	8.0482
14	55,770	1,254,784	7,509,016	21.4993	69	3,765.8	32,910.5	2,499.997	7.7393
15	53,585	1,199,014	7,468,732	21.3761	70	3,456.6	29,144.7	2,335.682	7.4315
16	51,476	1,145,430	7,420,633	21.2519	71	3,161.8	25,688.1	2,173.787	7.1245
17	49,441	1,093,954	7,365,870	21.1264	72	2,881.2	22,526.3	2,014.795	6.8184
18	47,479	1,044,513	7,305,825	20.9993	73	2,614.6	19,645.1	1,859.012	6.5136
19	45,590	997,034	7,242,361	20.8697	74	2,361.7	17,030.5	1,706.673	6.2111
20	43,771	951,444	7,177,040	20.7368	75	2,122.3	14,668.8	1,558.109	5.9118
21	42,020	907,673	7,109,923	20.6008	76	1,896.5	12,546.5	1,413.914	5.6157
22	40,336	865,652	7,041,521	20.4611	77	1,684.3	10,650.0	1,274.671	5.3232
23	38,717	825,316	6,974,087	20.3166	78	1,485.6	8,965.8	1,140.720	5.0353
24	37,164	786,599	6,910,182	20.1656	79	1,300.1	7,480.2	1,012.363	4.7537
25	35,676	749,435	6,851,332	20.0068	80	1,127.7	6,180.1	890.003	4.4803
26	34,250	713,760	6,797,842	19.8396	81	967.96	5,052.43	773.631	4.2197
27	32,884	679,510	6,748,850	19.6639	82	820.91	4,084.48	663.811	3.9756
28	31,573	646,626	6,703,143	19.4801	83	687.55	3,263.57	562.029	3.7467
29	30,315	615,052	6,659,118	19.2887	84	569.08	2,576.02	470.000	3.5267
30	29,105	584,737	6,615,570	19.0903	85	465.87	2,006.94	388.682	3.3079
31	27,942	555,632	6,572,010	18.8849	86	376.11	1,541.07	316.837	3.0974
32	26,824	527,689	6,528,327	18.6722	87	299.07	1,164.96	254.264	2.8953
33	25,748	500,865	6,484,204	18.4524	88	233.89	865.89	200.589	2.7021
34	24,713	475,117	6,439,390	18.2253	89	179.48	632.00	155.174	2.5213
35	23,717	450,404	6,393,569	17.9909	90	134.82	452.52	117.419	2.3564
36	22,757	426,687	6,346,316	17.7494	91	99.042	317.695	86.823	2.2077
37	21,833	403,930	6,297,135	17.5010	92	71.149	218.653	62.739	2.0732
38	20,942	382,097	6,245,560	17.2458	93	49.960	147.504	44.287	1.9524
39	20,082	361,155	6,191,119	16.9843	94	34.293	97.544	30.542	1.8444
40	19,252	341,074	6,133,397	16.7166	95	23.040	63.251	20.607	1.7452
41	18,450	321,822	6,072,020	16.4431	96	15.194	40.211	13.647	1.6465
42	17,675	303,372	6,006,691	16.1641	97	9.8008	25.0166	8.8386	1.5525
43	16,926	285,697	5,937,171	15.8797	98	6.1773	15.2158	5.5921	1.4632
44	16,201	268,772	5,863,263	15.5902	99	3.8004	9.0385	3.4527	1.3783
45	15,499	252,571	5,784,751	15.2959	100	2.2796	5.2381	2.0782	1.2978
46	14,820	237,072	5,701,658	14.9970	101	1.3318	2.9585	1.2180	1.2214
47	14,162	222,252	5,613,757	14.6937	102	.75693	1.62669	.69436	1.1491
48	13,524	208,090	5,520,390	14.3869	103	.41804	.86976	.38459	1.0805
49	12,904	194,567	5,420,805	14.0778	104	.22410	.45171	.20672	1.0157
50	12,302	181,662	5,314,626	13.7673	105	.11646	.22762	.10771	.9544
51	11,716	169,361	5,201,721	13.4560	106	.05861	.11116	.05434	.8965
52	11,146	157,645	5,082,541	13.1439	107	.02853	.05255	.02651	.8418
53	10,593	146,499	4,957,993	12.8304	108	.01342	.02402	.01249	.7902
54	10,056	135,907	4,829,202	12.5145	109	.00609	.01060	.00568	.7415

TABLE 11. UNITED STATES WHITE MALES: 1959-61—ACTUARIAL FUNCTIONS AT 4% PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,117,959	8,796,031	20.1796	55	7,325.9	92,528.5	3,341.466	11.6302
1	93,214	2,017,959	6,315.954	20.6487	56	6,907.1	85,202.5	3,238.054	11.3356
2	89,063	1,924,745	6,179.116	20.6111	57	6,504.3	78,295.5	3,132.750	11.0374
3	85,141	1,835,682	6,092.880	20.5604	58	6,116.6	71,791.1	3,025.074	10.7372
4	81,409	1,750,541	6,026.965	20.5030	59	5,742.5	65,674.6	2,914.381	10.4366
5	77,850	1,669,132	5,973.230	20.4404	60	5,381.2	59,932.1	2,800.422	10.1373
6	74,451	1,591,282	5,927.056	20.3735	61	5,032.6	54,550.9	2,683.497	9.8396
7	71,205	1,516,831	5,886.463	20.3024	62	4,696.6	49,518.3	2,564.273	9.5433
8	68,102	1,445,626	5,850.474	20.2273	63	4,373.5	44,821.7	2,443.368	9.2485
9	65,138	1,377,524	5,818.759	20.1478	64	4,063.3	40,448.2	2,321.491	8.9546
10	62,305	1,312,386	5,790.969	20.0638	65	3,766.1	36,384.9	2,199.268	8.6612
11	59,597	1,250,081	5,766.163	19.9754	66	3,481.8	32,618.8	2,077.124	8.3685
12	57,007	1,190,483	5,742.422	19.8830	67	3,210.1	29,137.1	1,955.440	8.0766
13	54,527	1,133,476	5,716.832	19.7875	68	2,951.2	25,926.9	1,834.704	7.7853
14	52,148	1,078,949	5,686.217	19.6901	69	2,704.8	22,975.7	1,715.394	7.4945
15	49,865	1,026,801	5,648.729	19.5916	70	2,470.9	20,271.0	1,597.939	7.2040
16	47,673	976,936	5,604.183	19.4924	71	2,249.3	17,800.1	1,482.768	6.9137
17	45,570	929,263	5,553.708	19.3921	72	2,039.9	15,550.8	1,370.203	6.6235
18	43,552	883,693	5,498.629	19.2903	73	1,842.2	13,511.0	1,260.438	6.3340
19	41,619	840,141	5,440.693	19.1865	74	1,656.1	11,668.7	1,153.613	6.0459
20	39,767	798,522	5,381.346	19.0798	75	1,481.1	10,012.6	1,049.933	5.7603
21	37,994	758,754	5,320.660	18.9702	76	1,317.2	8,531.5	949.785	5.4772
22	36,297	720,760	5,259.108	18.8575	77	1,164.2	7,214.4	853.538	5.1968
23	34,673	684,463	5,198.717	18.7404	78	1,021.9	6,050.2	761.392	4.9203
24	33,123	649,790	5,141.760	18.6174	79	890.04	5,028.23	673.517	4.6494
25	31,645	616,667	5,089.560	18.4873	80	768.35	4,138.18	590.148	4.3858
26	30,235	585,022	5,042.342	18.3494	81	656.35	3,369.84	511.239	4.1342
27	28,890	554,788	4,999.300	18.2037	82	553.98	2,713.48	437.128	3.8982
28	27,606	525,898	4,959.337	18.0504	83	461.76	2,159.51	368.771	3.6766
29	26,379	498,292	4,921.028	17.8900	84	380.37	1,697.74	307.259	3.4634
30	25,205	471,914	4,883.317	17.7230	85	309.90	1,317.38	253.167	3.2510
31	24,082	446,709	4,845.775	17.5495	86	248.99	1,007.48	205.605	3.0463
32	23,008	422,627	4,808.307	17.3691	87	197.04	758.49	164.378	2.8494
33	21,979	399,619	4,770.643	17.1818	88	153.36	561.45	129.185	2.6610
34	20,995	377,640	4,732.572	16.9875	89	117.12	408.09	99.548	2.4843
35	20,052	356,646	4,693.832	16.7862	90	87.559	290.967	75.029	2.3231
36	19,149	336,594	4,654.072	16.5780	91	64.013	203.408	55.254	2.1776
37	18,283	317,445	4,612.888	16.3631	92	45.766	139.395	39.763	2.0458
38	17,452	299,162	4,569.906	16.1415	93	31.982	93.629	27.950	1.9276
39	16,656	281,710	4,524.753	15.9136	94	21.848	61.647	19.193	1.8216
40	15,891	265,054	4,477.107	15.6796	95	14.608	39.799	12.895	1.7244
41	15,156	249,163	4,426.686	15.4397	96	9.5875	25.1907	8.5028	1.6274
42	14,450	234,007	4,373.277	15.1941	97	6.1548	15.6032	5.4829	1.5351
43	13,771	219,557	4,316.713	14.9431	98	3.8607	9.4484	3.4539	1.4473
44	13,118	205,786	4,256.865	14.6867	99	2.3638	5.5876	2.1232	1.3638
45	12,490	192,667	4,193.595	14.4254	100	1.4111	3.2238	1.2723	1.2845
46	11,886	180,177	4,126.953	14.1590	101	.82047	1.81268	.74241	1.2093
47	11,304	168,291	4,056.792	13.8880	102	.46408	.99221	.42135	1.1380
48	10,743	156,987	3,982.624	13.6132	103	.25508	.52813	.23234	1.0705
49	10,202	146,244	3,903.897	13.3356	104	.13608	.27305	.12433	1.0065
50	9,678.7	136,043.0	3,820.357	13.0560	105	.07038	.13697	.06449	.9460
51	9,173.5	126,364.3	3,731.951	12.7750	106	.03525	.06658	.03238	.8888
52	8,685.6	117,190.8	3,639.078	12.4926	107	.01708	.03133	.01573	.8348
53	8,215.0	108,505.2	3,542.486	12.2082	108	.00799	.01426	.00738	.7838
54	7,761.8	100,290.3	3,443.082	11.9210	109	.00361	.00626	.00334	.7356

TABLE 12. UNITED STATES WHITE FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 2½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	3,357,654	18,105.998	32.5765	55	23,135	412,755	13,067.782	16.8412
1	95,645	3,257,654	16,189.871	33.0599	56	22,416	389,620	12,912.718	16.3816
2	93,186	3,162,009	16,063.987	32.9322	57	21,707	367,204	12,750.975	15.9163
3	90,839	3,068,823	15,989.941	32.7830	58	21,007	345,497	12,580.565	15.4465
4	88,568	2,977,984	15,934.175	32.6237	59	20,313	324,490	12,399.042	14.9742
5	86,360	2,889,416	15,886.846	32.4576	60	19,624	304,176	12,204.601	14.5006
6	84,214	2,803,055	15,847.017	32.2848	61	18,937	284,553	11,996.325	14.0266
7	82,126	2,718,841	15,813.029	32.1056	62	18,253	265,616	11,774.157	13.5522
8	80,094	2,636,715	15,783.615	31.9204	63	17,572	247,364	11,538.241	13.0775
9	78,114	2,556,621	15,757.813	31.7292	64	16,894	229,792	11,289.026	12.6022
10	76,186	2,478,507	15,734.796	31.5322	65	16,219	212,898	11,026.640	12.1263
11	74,307	2,402,321	15,713.707	31.3297	66	15,548	196,679	10,751.027	11.6497
12	72,474	2,328,014	15,693.533	31.1219	67	14,879	181,131	10,461.461	11.1734
13	70,686	2,255,539	15,673.068	30.9092	68	14,212	166,252	10,156.680	10.6983
14	68,940	2,184,853	15,651.085	30.6920	69	13,543	152,040	9,835.170	10.2261
15	67,234	2,115,913	15,626.783	30.4707	70	12,874	138,497	9,495.978	9.7579
16	65,567	2,048,679	15,599.633	30.2454	71	12,204	125,623	9,139.794	9.2938
17	63,938	1,983,111	15,569.794	30.0160	72	11,534	113,419	8,767.272	8.8338
18	62,347	1,919,173	15,538.038	29.7821	73	10,863	101,885	8,377.703	8.3794
19	60,794	1,856,826	15,505.483	29.5430	74	10,190	91,023	7,970.234	7.9323
20	59,279	1,796,032	15,472.901	29.2982	75	9,516.5	80,832.4	7,544.948	7.4939
21	57,800	1,736,753	15,440.310	29.0476	76	8,844.1	71,315.9	7,104.707	7.0637
22	56,358	1,678,953	15,407.453	28.7911	77	8,175.8	62,471.8	6,652.122	6.6410
23	54,950	1,622,596	15,374.438	28.5286	78	7,511.7	54,296.0	6,187.369	6.2282
24	53,577	1,567,646	15,341.351	28.2599	79	6,851.4	46,784.3	5,710.333	5.8284
25	52,237	1,514,069	15,308.188	27.9848	80	6,196.7	39,932.9	5,222.757	5.4442
26	50,929	1,461,832	15,274.890	27.7031	81	5,549.0	33,736.2	4,726.215	5.0796
27	49,654	1,410,903	15,241.278	27.4149	82	4,914.0	28,187.1	4,226.494	4.7361
28	48,408	1,361,249	15,207.067	27.1202	83	4,302.0	23,273.1	3,734.410	4.4098
29	47,192	1,312,841	15,171.907	26.8189	84	3,725.6	18,971.1	3,262.850	4.0921
30	46,005	1,265,649	15,135.484	26.5111	85	3,193.1	15,245.5	2,821.216	3.7746
31	44,845	1,219,644	15,097.530	26.1969	86	2,690.7	12,052.5	2,396.774	3.4792
32	43,711	1,174,799	15,057.852	25.8762	87	2,225.1	9,361.7	1,996.785	3.2073
33	42,604	1,131,087	15,016.301	25.5490	88	1,803.2	7,136.6	1,629.131	2.9578
34	41,521	1,088,484	14,972.751	25.2152	89	1,429.7	5,333.4	1,299.618	2.7304
35	40,463	1,046,962	14,927.014	24.8748	90	1,107.3	3,903.7	1,012.124	2.5253
36	39,428	1,006,500	14,878.822	24.5278	91	836.60	2,796.39	768.397	2.3426
37	38,415	967,072	14,827.827	24.1744	92	615.93	1,959.79	568.134	2.1818
38	37,424	928,657	14,773.652	23.8146	93	441.78	1,343.85	409.007	2.0419
39	36,453	891,233	14,715.894	23.4486	94	308.94	902.07	286.938	1.9199
40	35,502	854,780	14,654.179	23.0766	95	211.02	593.13	196.553	1.8108
41	34,571	819,278	14,588.208	22.6987	96	141.20	382.11	131.876	1.7063
42	33,657	784,707	14,517.707	22.3149	97	92.410	240.915	86.534	1.6070
43	32,761	751,050	14,442.358	21.9254	98	59.097	148.505	55.475	1.5129
44	31,881	718,289	14,361.849	21.5303	99	36.890	89.408	34.709	1.4237
45	31,018	686,408	14,275.890	21.1297	100	22.452	52.518	21.171	1.3391
46	30,169	655,391	14,184.266	20.7237	101	13.309	30.066	12.575	1.2591
47	29,336	625,221	14,086.749	20.3124	102	7.6747	16.7575	7.2660	1.1835
48	28,517	595,885	13,983.055	19.8959	103	4.3007	9.0828	4.0791	1.1120
49	27,711	567,368	13,872.893	19.4744	104	2.3392	4.7821	2.2225	1.0444
50	26,918	539,657	13,756.037	19.0479	105	1.2335	2.4430	1.1739	.9806
51	26,138	512,739	13,631.826	18.6169	106	.62983	1.20953	.60032	.9204
52	25,368	486,601	13,500.097	18.1814	107	.31106	.57971	.29692	.8637
53	24,611	461,233	13,361.601	17.7408	108	.14841	.26865	.14186	.8102
54	23,867	436,622	13,217.367	17.2942	109	.06833	.12024	.06539	.7598

TABLE 13. UNITED STATES WHITE FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 3 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,968,348	13,543.273	28.6835	55	17,702	298,869	8,997.579	15.8829
1	95,181	2,868,348	11,636.448	29.1359	56	17,069	281,166	8,879.503	15.4725
2	92,284	2,773,167	11,511.783	29.0505	57	16,449	264,097	8,756.939	15.0554
3	89,523	2,680,883	11,438.811	28.9464	58	15,841	247,648	8,628.434	14.6329
4	86,861	2,591,361	11,384.120	28.8335	59	15,244	231,807	8,492.213	14.2066
5	84,285	2,504,500	11,337.928	28.7148	60	14,655	216,563	8,347.007	13.7777
6	81,791	2,420,215	11,299.245	28.5903	61	14,073	201,908	8,192.223	13.3472
7	79,376	2,338,424	11,266.396	28.4602	62	13,499	187,835	8,027.917	12.9149
8	77,036	2,259,049	11,238.104	28.3247	63	12,932	174,336	7,854.291	12.4809
9	74,767	2,182,013	11,213.408	28.1841	64	12,373	161,404	7,671.767	12.0450
10	72,568	2,107,246	11,191.484	28.0384	65	11,821	149,031	7,480.530	11.6071
11	70,434	2,034,678	11,171.495	27.8877	66	11,277	137,210	7,280.627	11.1672
12	68,363	1,964,244	11,152.465	27.7324	67	10,740	125,933	7,071.624	10.7261
13	66,353	1,895,881	11,133.254	27.5726	68	10,208	115,193	6,852.707	10.2848
14	64,400	1,829,528	11,112.719	27.4088	69	9,680.7	104,985.6	6,622.895	9.8448
15	62,502	1,765,128	11,090.128	27.2413	70	9,157.5	95,304.9	6,381.622	9.4073
16	60,656	1,702,626	11,065.012	27.0702	71	8,638.6	86,147.4	6,129.491	8.9723
17	58,862	1,641,970	11,037.541	26.8953	72	8,124.6	77,508.8	5,867.075	8.5400
18	57,118	1,583,108	11,008.449	26.7163	73	7,614.9	69,384.1	5,593.983	8.1117
19	55,425	1,525,990	10,978.768	26.5325	74	7,108.8	61,769.3	5,309.729	7.6891
20	53,781	1,470,565	10,949.208	26.3435	75	6,606.5	54,660.4	5,014.486	7.2737
21	52,185	1,416,784	10,919.783	26.1491	76	6,110.0	48,053.9	4,710.345	6.8648
22	50,636	1,364,598	10,890.262	25.9493	77	5,620.9	41,943.9	4,399.194	6.4622
23	49,131	1,313,962	10,860.743	25.7438	78	5,139.2	36,323.1	4,081.229	6.0679
24	47,671	1,264,831	10,831.303	25.5325	79	4,664.7	31,183.9	3,756.444	5.6851
25	46,253	1,217,160	10,801.938	25.3152	80	4,198.5	26,519.2	3,426.094	5.3163
26	44,877	1,170,907	10,772.598	25.0917	81	3,741.4	22,320.7	3,091.303	4.9658
27	43,540	1,126,030	10,743.124	24.8619	82	3,297.1	18,579.3	2,756.004	4.6349
28	42,242	1,082,490	10,713.271	24.6259	83	2,872.5	15,282.1	2,427.432	4.3201
29	40,981	1,040,248	10,682.738	24.3835	84	2,475.5	12,409.6	2,114.093	4.0129
30	39,756	999,267	10,651.263	24.1349	85	2,111.4	9,934.0	1,822.064	3.7049
31	38,566	959,510	10,618.623	23.8800	86	1,770.6	7,822.6	1,542.765	3.4180
32	37,408	920,945	10,584.667	23.6187	87	1,457.1	6,052.0	1,280.834	3.1534
33	36,283	883,537	10,549.280	23.3510	88	1,175.1	4,594.9	1,041.247	2.9103
34	35,190	847,253	10,512.371	23.0768	89	927.16	3,419.83	827.557	2.6885
35	34,126	812,064	10,473.797	22.7959	90	714.62	2,492.66	642.022	2.4881
36	33,092	777,937	10,433.349	22.5085	91	537.28	1,778.04	485.496	2.3093
37	32,085	744,846	10,390.756	22.2146	92	393.65	1,240.76	357.507	2.1520
38	31,106	712,760	10,345.728	21.9141	93	280.97	847.11	256.301	2.0149
39	30,152	681,655	10,297.954	21.6073	94	195.53	566.14	179.042	1.8954
40	29,223	651,503	10,247.154	21.2942	95	132.91	370.61	122.114	1.7884
41	28,318	622,280	10,193.116	20.9749	96	88.499	237.697	81.576	1.6859
42	27,436	593,962	10,135.647	20.6494	97	57.640	149.198	53.294	1.5884
43	26,575	566,526	10,074.524	20.3178	98	36.683	91.558	34.016	1.4960
44	25,736	539,951	10,009.532	19.9802	99	22.787	54.876	21.188	1.4082
45	24,918	514,215	9,940.478	19.6366	100	13.801	32.089	12.867	1.3251
46	24,119	489,297	9,867.230	19.2871	101	8.1412	18.2876	7.6085	1.2463
47	23,339	465,179	9,789.650	18.9318	102	4.6720	10.1465	4.3764	1.1718
48	22,577	441,840	9,707.555	18.5706	103	2.6053	5.4745	2.4459	1.1013
49	21,832	419,263	9,620.764	18.2038	104	1.4102	2.8692	1.3266	1.0347
50	21,105	397,431	9,529.145	17.8313	105	.73998	1.45904	.69748	.9717
51	20,393	376,326	9,432.233	17.4535	106	.37601	.71906	.35507	.9123
52	19,697	355,933	9,329.954	17.0705	107	.18480	.34304	.17481	.8563
53	19,016	336,236	9,222.943	16.6815	108	.08774	.15824	.08314	.8034
54	18,351	317,220	9,112.039	16.2858	109	.04020	.07050	.03815	.7536

TABLE 14. UNITED STATES WHITE FEMALES: 1959-61--ACTUARIAL FUNCTIONS AT 3½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,650,585	10,366.703	25.5058	55	13,563	217,123	6,220.881	15.0082
1	94,721	2,550,585	8,469.089	25.9274	56	13,015	203,560	6,130.851	14.6610
2	91,394	2,455,864	8,345.626	25.8711	57	12,481	190,545	6,037.851	14.2663
3	88,232	2,364,470	8,273.706	25.7984	58	11,962	178,064	5,940.813	13.8854
4	85,194	2,276,238	8,220.064	25.7182	59	11,455	166,102	5,838.447	13.4998
5	82,268	2,191,044	8,174.977	25.6329	60	10,959	154,646	5,729.854	13.1108
6	79,449	2,108,776	8,137.402	25.5426	61	10,474	143,687	5,614.659	12.7189
7	76,730	2,029,327	8,105.648	25.4476	62	9,997.8	133,213.2	5,492.968	12.3243
8	74,108	1,952,597	8,078.431	25.3479	63	9,531.7	123,215.4	5,364.995	11.9269
9	71,579	1,878,488	8,054.788	25.2437	64	9,075.5	113,683.7	5,231.114	11.5265
10	69,137	1,806,910	8,033.901	25.1352	65	8,629.0	104,608.2	5,091.519	11.1229
11	66,780	1,737,773	8,014.948	25.0223	66	8,192.0	95,979.2	4,946.304	10.7162
12	64,504	1,670,993	7,996.993	24.9053	67	7,763.9	87,787.2	4,795.211	10.3072
13	62,305	1,606,489	7,978.954	24.7844	68	7,343.8	80,023.4	4,637.716	9.8967
14	60,179	1,544,184	7,959.765	24.6600	69	6,930.9	72,679.6	4,473.182	9.4862
15	58,123	1,484,005	7,938.757	24.5324	70	6,524.7	65,748.6	4,301.276	9.0769
16	56,134	1,425,883	7,915.513	24.4015	71	6,125.2	59,224.0	4,122.502	8.6688
17	54,210	1,369,749	7,890.214	24.2674	72	5,732.9	53,098.7	3,937.334	8.2620
18	52,350	1,315,539	7,863.550	24.1295	73	5,347.3	47,365.8	3,745.564	7.8579
19	50,553	1,263,188	7,836.478	23.9874	74	4,967.8	42,018.5	3,546.920	7.4581
20	48,817	1,212,635	7,809.647	23.8406	75	4,594.5	37,050.6	3,341.594	7.0641
21	47,139	1,163,819	7,783.067	23.6890	76	4,228.7	32,456.1	3,131.101	6.6753
22	45,519	1,116,680	7,756.529	23.5324	77	3,871.3	28,227.5	2,916.796	6.2914
23	43,953	1,071,161	7,730.122	23.3706	78	3,522.5	24,356.1	2,698.857	5.9145
24	42,440	1,027,208	7,703.912	23.2035	79	3,181.8	20,833.6	2,477.318	5.5477
25	40,979	984,768	7,677.896	23.0309	80	2,850.0	17,651.8	2,253.073	5.1936
26	39,568	943,788	7,652.026	22.8526	81	2,527.5	14,801.8	2,026.910	4.8564
27	38,204	904,221	7,626.165	22.6684	82	2,216.6	12,274.3	1,801.499	4.5375
28	36,886	866,017	7,600.097	22.4784	83	1,921.8	10,057.8	1,581.677	4.2335
29	35,612	829,131	7,573.565	22.2825	84	1,648.2	8,136.0	1,373.059	3.9363
30	34,380	793,520	7,546.346	22.0806	85	1,399.0	6,487.8	1,179.568	3.6376
31	33,190	759,139	7,518.256	21.8728	86	1,167.5	5,088.8	995.406	3.3588
32	32,038	725,950	7,489.174	21.6589	87	956.14	3,921.33	823.530	3.1012
33	30,925	693,911	7,459.014	21.4388	88	767.35	2,965.20	667.075	2.8642
34	29,848	662,987	7,427.708	21.2124	89	602.53	2,197.85	528.206	2.6477
35	28,806	633,139	7,395.147	20.9797	90	462.16	1,595.32	408.216	2.4518
36	27,798	604,334	7,361.171	20.7405	91	345.80	1,133.16	307.476	2.2770
37	26,822	576,536	7,325.565	20.4949	92	252.13	787.36	225.500	2.1229
38	25,877	549,714	7,288.105	20.2430	93	179.09	535.23	160.992	1.9886
39	24,963	523,837	7,248.552	19.9847	94	124.03	356.14	111.986	1.8714
40	24,077	498,874	7,206.699	19.7201	95	83.899	232.114	76.050	1.7666
41	23,218	474,797	7,162.392	19.4492	96	55.595	148.215	50.583	1.6660
42	22,386	451,579	7,115.499	19.1721	97	36.035	92.619	32.903	1.5703
43	21,580	429,192	7,065.866	18.8888	98	22.822	56.585	20.908	1.4794
44	20,797	407,613	7,013.347	18.5993	99	14.108	33.763	12.966	1.3931
45	20,039	386,815	6,957.814	18.3036	100	8.5036	19.6544	7.8390	1.3113
46	19,302	366,777	6,899.193	18.0017	101	4.9920	11.1508	4.6149	1.2337
47	18,581	347,475	6,837.405	17.6937	102	2.8509	6.1588	2.6426	1.1603
48	17,894	328,887	6,772.338	17.3796	103	1.5821	3.3079	1.4703	1.0908
49	17,221	310,993	6,703.880	17.0594	104	.85221	1.72581	.79385	1.0251
50	16,566	293,772	6,631.964	16.7331	105	.44503	.87360	.41549	.9630
51	15,930	277,206	6,556.260	16.4011	106	.22505	.42857	.21055	.9043
52	15,312	261,275	6,476.749	16.0633	107	.11007	.20352	.10319	.8490
53	14,712	245,963	6,393.962	15.7190	108	.05201	.09345	.04885	.7968
54	14,129	231,252	6,308.578	15.3675	109	.02371	.04144	.02231	.7475

TABLE 15. UNITED STATES WHITE FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 4 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,388,404	8,138.303	22.8840	55	10,405	158,245	4,318.811	14.2083
1	94,265	2,288,404	6,249.812	23.2762	56	9,936.2	147,839.5	4,250.075	13.8789
2	90,517	2,194,139	6,127.533	23.2399	57	9,483.4	137,903.3	4,179.413	13.5416
3	86,965	2,103,621	6,056.646	23.1892	58	9,045.3	128,419.9	4,106.039	13.1975
4	83,568	2,016,656	6,004.028	23.1320	59	8,620.3	119,374.6	4,029.007	12.8480
5	80,310	1,933,088	5,960.015	23.0705	60	8,207.5	110,754.3	3,947.683	12.4943
6	77,184	1,852,779	5,923.511	23.0046	61	7,805.9	102,546.8	3,861.828	12.1370
7	74,185	1,775,595	5,892.810	22.9347	62	7,415.4	94,740.9	3,771.568	11.7761
8	71,305	1,701,410	5,866.622	22.8609	63	7,035.8	87,325.4	3,677.106	11.4116
9	68,540	1,630,104	5,843.983	22.7832	64	6,666.8	80,289.6	3,578.757	11.0432
10	65,884	1,561,564	5,824.078	22.7016	65	6,308.4	73,622.8	3,476.705	10.6707
11	63,332	1,495,680	5,806.104	22.6164	66	5,960.1	67,314.5	3,371.053	10.2942
12	60,879	1,432,347	5,789.158	22.5276	67	5,621.4	61,354.4	3,261.654	9.9144
13	58,521	1,371,468	5,772.214	22.4355	68	5,291.7	55,733.0	3,148.168	9.5321
14	56,252	1,312,947	5,754.277	22.3404	69	4,970.2	50,441.2	3,030.179	9.1487
15	54,069	1,256,695	5,734.734	22.2424	70	4,656.4	45,471.0	2,907.497	8.7653
16	51,968	1,202,626	5,713.216	22.1416	71	4,350.3	40,814.6	2,780.527	8.3820
17	49,946	1,150,658	5,689.906	22.0380	72	4,052.1	36,464.3	2,649.648	7.9988
18	48,001	1,100,712	5,665.458	21.9312	73	3,761.4	32,412.2	2,514.754	7.6171
19	46,130	1,052,711	5,640.755	21.8207	74	3,477.7	28,650.8	2,375.696	7.2386
20	44,331	1,006,581	5,616.389	21.7060	75	3,200.9	25,173.1	2,232.652	6.8645
21	42,602	962,250	5,592.367	21.5870	76	2,931.8	21,972.3	2,086.713	6.4945
22	40,940	919,648	5,568.499	21.4635	77	2,671.2	19,040.5	1,938.847	6.1281
23	39,341	878,709	5,544.863	21.3355	78	2,418.8	16,369.3	1,789.194	5.7676
24	37,805	839,367	5,521.515	21.2026	79	2,174.4	13,950.5	1,637.802	5.4159
25	36,328	801,563	5,498.452	21.0647	80	1,938.2	11,776.2	1,485.297	5.0757
26	34,908	765,235	5,475.629	20.9216	81	1,710.6	9,838.0	1,332.228	4.7511
27	33,542	730,327	5,452.924	20.7732	82	1,493.0	8,127.3	1,180.400	4.4437
28	32,230	696,785	5,430.147	20.6194	83	1,288.2	6,634.4	1,033.049	4.1500
29	30,967	664,555	5,407.075	20.4602	84	1,099.5	5,346.1	893.881	3.8623
30	29,752	633,588	5,383.520	20.2954	85	928.76	4,246.63	765.424	3.5724
31	28,584	603,836	5,359.328	20.1251	86	771.36	3,317.88	643.748	3.3013
32	27,459	575,252	5,334.402	19.9491	87	628.68	2,546.52	530.736	3.0506
33	26,378	547,793	5,308.677	19.7673	88	502.12	1,917.84	428.359	2.8195
34	25,337	521,415	5,282.102	19.5796	89	392.38	1,415.72	337.925	2.6081
35	24,335	496,078	5,254.596	19.3858	90	299.52	1,023.34	260.162	2.4166
36	23,370	471,744	5,226.031	19.1859	91	223.03	723.82	195.187	2.2454
37	22,441	448,374	5,196.240	18.9798	92	161.83	500.79	142.570	2.0945
38	21,547	425,933	5,165.049	18.7675	93	114.40	338.96	101.364	1.9629
39	20,686	404,385	5,132.273	18.5492	94	78.847	224.562	70.210	1.8481
40	19,855	383,700	5,097.758	18.3247	95	53.079	145.715	47.475	1.7452
41	19,055	363,844	5,061.395	18.0940	96	35.003	92.636	31.441	1.6465
42	18,284	344,789	5,023.095	17.8572	97	22.579	57.633	20.362	1.5525
43	17,541	326,505	4,982.752	17.6142	98	14.231	35.054	12.883	1.4632
44	16,824	308,964	4,940.267	17.3650	99	8.7552	20.8227	7.9543	1.3783
45	16,132	292,141	4,895.562	17.1097	100	5.2518	12.0675	4.7876	1.2978
46	15,464	276,009	4,848.596	16.8481	101	3.0682	6.8157	2.8060	1.2214
47	14,820	260,545	4,799.332	16.5803	102	1.7438	3.7475	1.5997	1.1491
48	14,199	245,724	4,747.702	16.3062	103	.96308	2.00373	.88601	1.0805
49	13,598	231,526	4,693.643	16.0259	104	.51627	1.04065	.47624	1.0157
50	13,019	217,927	4,637.127	15.7392	105	.26830	.52438	.24814	.9544
51	12,459	204,908	4,577.919	15.4466	106	.13503	.25608	.12518	.8965
52	11,918	192,449	4,516.033	15.1479	107	.06572	.12105	.06107	.8418
53	11,395	180,531	4,451.907	14.8424	108	.03091	.05533	.02878	.7902
54	10,891	169,136	4,386.088	14.5294	109	.01402	.02442	.01308	.7415

TABLE 16. UNITED STATES WHITE FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 4½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,169,832	6,562.264	20.6983	55	7,992.6	115,693.5	3,010.540	13.4752
1	93,814	2,069,832	4,682.809	21.0631	56	7,595.8	107,700.9	2,957.994	13.1789
2	89,653	1,976,018	4,561.697	21.0406	57	7,215.0	100,105.1	2,904.234	12.8746
3	85,723	1,886,364	4,491.822	21.0054	58	6,848.7	92,890.1	2,848.678	12.5631
4	81,980	1,800,641	4,440.204	20.9645	59	6,495.8	86,041.4	2,790.631	12.2458
5	78,407	1,718,662	4,397.234	20.9199	60	6,155.1	79,545.6	2,729.644	11.9236
6	74,995	1,640,255	4,361.765	20.8716	61	5,825.9	73,390.6	2,665.566	11.5972
7	71,736	1,565,260	4,332.078	20.8198	62	5,508.0	67,564.6	2,598.524	11.2666
8	68,621	1,493,525	4,306.876	20.7647	63	5,201.0	62,056.6	2,528.695	10.9317
9	65,645	1,424,903	4,285.193	20.7063	64	4,904.7	56,855.7	2,456.342	10.5921
10	62,799	1,359,259	4,266.221	20.6446	65	4,618.7	51,951.0	2,381.622	10.2479
11	60,078	1,296,460	4,249.171	20.5798	66	4,342.9	47,332.2	2,304.639	9.8988
12	57,475	1,236,382	4,233.172	20.5118	67	4,076.5	42,989.4	2,225.305	9.5456
13	54,984	1,178,908	4,217.253	20.4411	68	3,819.1	38,912.8	2,143.402	9.1891
14	52,599	1,123,924	4,200.480	20.3677	69	3,569.9	35,093.8	2,058.656	8.8305
15	50,316	1,071,325	4,182.294	20.2920	70	3,328.4	31,523.9	1,970.961	8.4710
16	48,129	1,021,009	4,162.365	20.2139	71	3,094.8	28,195.4	1,880.635	8.1106
17	46,035	972,880	4,140.881	20.1334	72	2,868.9	25,100.7	1,787.974	7.7493
18	44,030	926,845	4,118.454	20.0501	73	2,650.3	22,231.8	1,692.927	7.3885
19	42,112	882,814	4,095.903	19.9636	74	2,438.6	19,581.5	1,595.416	7.0297
20	40,276	840,702	4,073.766	19.8734	75	2,233.8	17,142.9	1,495.589	6.6743
21	38,520	800,426	4,052.046	19.7794	76	2,036.2	14,909.1	1,394.229	6.3218
22	36,840	761,906	4,030.568	19.6815	77	1,846.4	12,872.8	1,292.021	5.9720
23	35,232	725,066	4,009.400	19.5796	78	1,663.9	11,026.5	1,189.074	5.6269
24	33,694	689,834	3,988.591	19.4733	79	1,488.6	9,362.6	1,085.429	5.2895
25	32,223	656,139	3,968.134	19.3625	80	1,320.6	7,874.0	981.521	4.9625
26	30,815	623,916	3,947.987	19.2470	81	1,159.9	6,553.4	877.728	4.6498
27	29,468	593,101	3,928.039	19.1268	82	1,007.5	5,393.5	775.269	4.3532
28	28,179	563,633	3,908.124	19.0016	83	865.17	4,385.93	676.307	4.0694
29	26,946	535,453	3,888.048	18.8715	84	734.90	3,520.76	583.288	3.7908
30	25,765	508,508	3,867.650	18.7363	85	617.80	2,785.86	497.839	3.5093
31	24,635	482,743	3,846.800	18.5960	86	510.65	2,168.05	417.288	3.2457
32	23,553	458,108	3,825.421	18.4505	87	414.20	1,657.40	342.831	3.0014
33	22,516	434,555	3,803.461	18.2995	88	329.24	1,243.20	275.702	2.7760
34	21,524	412,039	3,780.886	18.1431	89	256.05	913.96	216.690	2.5695
35	20,574	390,515	3,757.630	17.9809	90	194.52	657.92	166.187	2.3823
36	19,664	369,941	3,733.595	17.8130	91	144.15	463.40	124.193	2.2147
37	18,792	350,277	3,708.648	17.6393	92	104.10	319.25	90.348	2.0669
38	17,957	331,484	3,682.653	17.4598	93	73.234	215.155	63.969	1.9379
39	17,157	313,527	3,655.469	17.2744	94	50.233	141.921	44.121	1.8253
40	16,389	296,370	3,626.979	17.0831	95	33.654	91.688	29.706	1.7244
41	15,654	279,981	3,597.108	16.8859	96	22.088	58.034	19.588	1.6274
42	14,948	264,327	3,565.795	16.6828	97	14.179	35.946	12.631	1.5351
43	14,272	249,379	3,532.971	16.4736	98	8.8943	21.7669	7.9569	1.4473
44	13,623	235,107	3,498.569	16.2584	99	5.4457	12.8727	4.8914	1.3638
45	13,000	221,485	3,462.542	16.0371	100	3.2510	7.4270	2.9311	1.2845
46	12,403	208,484	3,424.875	15.8096	101	1.8902	4.1760	1.7103	1.2093
47	11,829	196,082	3,385.553	15.5760	102	1.0691	2.2858	.9707	1.1380
48	11,279	184,252	3,344.540	15.3361	103	.58765	1.21670	.53525	1.0705
49	10,750	172,974	3,301.803	15.0899	104	.31351	.62905	.28642	1.0065
50	10,243	162,223	3,257.337	14.8374	105	.16215	.31555	.14856	.9460
51	9,755.6	151,980.1	3,210.977	14.5788	106	.08121	.15340	.07461	.8888
52	9,287.3	142,224.6	3,162.751	14.3140	107	.03934	.07218	.03623	.8348
53	8,837.6	132,937.3	3,113.019	14.0423	108	.01841	.03284	.01700	.7838
54	8,406.2	124,099.7	3,062.217	13.7628	109	.00831	.01443	.00769	.7356

TABLE 17. UNITED STATES NONWHITE MALES: 1959-61—ACTUARIAL FUNCTIONS AT 2½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	3,030,793	26,078.217	29.3079	55	18,091	256,958	11,823.616	13.2037
1	92,977	2,930,793	21,494.104	30.5217	56	17,248	238,868	11,422.357	12.8487
2	90,404	2,837,816	21,188.603	30.3905	57	16,419	221,619	11,014.005	12.4974
3	88,025	2,747,413	21,014.500	30.2119	58	15,604	205,200	10,599.288	12.1503
4	85,763	2,659,388	20,899.715	30.0086	59	14,803	189,596	10,178.775	11.8079
5	83,586	2,573,625	20,814.419	29.7902	60	14,016	174,793	9,753.184	11.4706
6	81,476	2,490,039	20,743.273	29.5617	61	13,246	160,776	9,324.280	11.1380
7	79,428	2,408,563	20,682.677	29.3238	62	12,492	147,531	8,893.334	10.8103
8	77,438	2,329,135	20,629.741	29.0775	63	11,754	135,039	8,460.173	10.4890
9	75,502	2,251,697	20,582.130	28.8232	64	11,031	123,285	8,024.275	10.1760
10	73,616	2,176,196	20,537.738	28.5616	65	10,324	112,254	7,586.052	9.8731
11	71,777	2,102,580	20,494.374	28.2933	66	9,632.5	101,929.9	7,146.423	9.5819
12	69,981	2,030,803	20,449.534	28.0192	67	8,959.2	92,297.4	6,708.035	9.3020
13	68,225	1,960,822	20,400.327	27.7404	68	8,307.7	83,338.2	6,275.090	9.0314
14	66,505	1,892,597	20,343.816	27.4581	69	7,682.6	75,030.4	5,852.558	8.7663
15	64,817	1,826,092	20,277.867	27.1732	70	7,086.8	67,347.9	5,444.214	8.5032
16	63,160	1,761,275	20,201.766	26.8861	71	6,520.6	60,261.0	5,050.829	8.2416
17	61,533	1,698,116	20,115.357	26.5969	72	5,983.5	53,740.4	4,672.716	7.9815
18	59,935	1,636,583	20,018.081	26.3061	73	5,477.0	47,757.0	4,312.159	7.7196
19	58,364	1,576,648	19,909.606	26.0138	74	5,002.7	42,280.0	3,971.503	7.4514
20	56,821	1,518,284	19,790.094	25.7203	75	4,561.1	37,277.3	3,651.921	7.1728
21	55,305	1,461,462	19,659.172	25.4257	76	4,152.9	32,716.2	3,354.962	6.8779
22	53,814	1,406,158	19,517.840	25.1298	77	3,776.0	28,563.2	3,079.339	6.5644
23	52,353	1,352,343	19,369.224	24.8311	78	3,424.7	24,787.2	2,820.110	6.2378
24	50,924	1,299,990	19,217.232	24.5279	79	3,091.9	21,362.6	2,570.864	5.9092
25	49,530	1,249,066	19,064.536	24.2186	80	2,773.2	18,270.7	2,327.579	5.5883
26	48,169	1,199,536	18,911.760	23.9028	81	2,466.5	15,497.5	2,088.521	5.2832
27	46,840	1,151,368	18,758.195	23.5807	82	2,173.7	13,030.9	1,855.873	4.9948
28	45,543	1,104,527	18,603.367	23.2524	83	1,899.0	10,857.2	1,634.225	4.7172
29	44,275	1,058,984	18,446.390	22.9182	84	1,648.2	8,958.2	1,429.730	4.4351
30	43,035	1,014,709	18,286.495	22.5784	85	1,424.5	7,310.0	1,246.250	4.1315
31	41,823	971,673	18,123.314	22.2332	86	1,219.1	5,885.4	1,075.586	3.8276
32	40,636	929,851	17,956.610	21.8825	87	1,031.1	4,666.3	917.246	3.5257
33	39,474	889,215	17,785.849	21.5266	88	859.17	3,635.25	770.509	3.2311
34	38,336	849,741	17,610.449	21.1657	89	702.27	2,776.08	634.558	2.9530
35	37,220	811,405	17,429.758	20.8002	90	560.68	2,073.81	510.097	2.6988
36	36,126	774,185	17,243.611	20.4300	91	435.94	1,513.13	399.036	2.4709
37	35,053	738,059	17,051.318	20.0557	92	329.53	1,077.19	303.260	2.2688
38	33,998	703,006	16,851.182	19.6781	93	241.79	747.66	223.559	2.0921
39	32,958	669,008	16,641.210	19.2985	94	172.09	505.86	159.749	1.9396
40	31,934	636,050	16,420.100	18.9179	95	118.75	333.78	110.607	1.8108
41	30,921	604,116	16,186.658	18.5373	96	79.456	215.027	74.211	1.7063
42	29,922	573,195	15,941.224	18.1566	97	52.002	135.571	48.696	1.6070
43	28,936	543,273	15,685.786	17.7748	98	33.256	83.569	31.218	1.5129
44	27,968	514,337	15,423.049	17.3903	99	20.759	50.313	19.532	1.4237
45	27,017	486,369	15,154.484	17.0022	100	12.634	29.554	11.914	1.3391
46	26,085	459,352	14,880.949	16.6100	101	7.4893	16.9193	7.0766	1.2591
47	25,168	433,267	14,600.830	16.2148	102	4.3188	9.4300	4.0888	1.1835
48	24,264	408,099	14,310.292	15.8192	103	2.4201	5.1112	2.2955	1.1120
49	23,366	383,835	14,004.438	15.4269	104	1.3163	2.6911	1.2507	1.0444
50	22,472	360,469	13,680.240	15.0407	105	.69411	1.37475	.66058	.9806
51	21,581	337,997	13,337.215	14.6617	106	.35442	.68065	.33782	.9204
52	20,695	316,416	12,977.282	14.2897	107	.17504	.32622	.16708	.8637
53	19,816	295,721	12,602.927	13.9236	108	.08352	.15118	.07983	.8102
54	18,947	275,905	12,217.507	13.5620	109	.03845	.06766	.03680	.7598

TABLE 18. UNITED STATES NONWHITE MALES: 1959-61—ACTUARIAL FUNCTIONS AT 3½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,441,941	17,422.300	23.4194	55	10,606	137,113	5,969.378	11.9278
1	92,079	2,341,941	12,882.477	24.4342	56	10,014	126,507	5,736.407	11.6325
2	88,665	2,249,862	12,582.851	24.3748	57	9,441.0	116,492.4	5,501.609	11.3390
3	85,498	2,161,197	12,413.746	24.2778	58	8,885.5	107,051.4	5,265.454	11.0478
4	82,496	2,075,699	12,303.333	24.1612	59	8,347.9	98,165.9	5,028.314	10.7593
5	79,625	1,993,203	12,222.080	24.0324	60	7,827.9	89,817.9	4,790.628	10.4740
6	76,865	1,913,578	12,154.959	23.8952	61	7,326.0	81,990.0	4,553.406	10.1916
7	74,209	1,836,713	12,098.345	23.7504	62	6,842.2	74,664.0	4,317.358	9.9122
8	71,651	1,762,503	12,049.365	23.5985	63	6,375.9	67,821.7	4,082.388	9.6372
9	69,184	1,690,852	12,005.738	23.4398	64	5,926.1	61,445.9	3,848.219	9.3687
10	66,804	1,621,668	11,965.452	23.2748	65	5,492.6	55,519.8	3,615.076	9.1082
11	64,506	1,554,864	11,926.481	23.1040	66	5,075.2	50,027.2	3,383.443	8.8572
12	62,285	1,490,357	11,886.572	22.9280	67	4,674.8	44,952.0	3,154.697	8.6158
13	60,135	1,428,072	11,843.200	22.7476	68	4,293.0	40,277.2	2,930.973	8.3821
14	58,053	1,367,937	11,793.871	22.5637	69	3,931.6	35,984.2	2,714.741	8.1526
15	56,032	1,309,884	11,736.859	22.3772	70	3,591.7	32,052.6	2,507.787	7.9241
16	54,072	1,253,852	11,671.707	22.1883	71	3,272.8	28,460.9	2,310.341	7.6962
17	52,171	1,199,779	11,598.446	21.9972	72	2,974.2	25,188.1	2,122.395	7.4690
18	50,325	1,147,608	11,516.767	21.8040	73	2,696.1	22,214.0	1,944.906	7.2393
19	48,533	1,097,284	11,426.565	21.6091	74	2,438.9	19,517.9	1,778.834	7.0029
20	46,793	1,048,751	11,328.145	21.4125	75	2,202.1	17,079.0	1,624.541	6.7558
21	45,104	1,001,958	11,221.371	21.2144	76	1,985.6	14,876.9	1,482.556	6.4922
22	43,465	956,854	11,107.221	21.0146	77	1,788.0	12,891.3	1,352.045	6.2100
23	41,876	913,389	10,988.347	20.8118	78	1,606.0	11,103.3	1,230.483	5.9138
24	40,339	871,513	10,867.947	20.6045	79	1,435.9	9,497.3	1,114.732	5.6142
25	38,855	831,174	10,748.159	20.3914	80	1,275.4	8,061.4	1,002.840	5.3205
26	37,423	792,318	10,629.465	20.1721	81	1,123.4	6,786.0	893.956	5.0404
27	36,039	754,895	10,511.312	19.9465	82	980.50	5,662.55	789.014	4.7752
28	34,702	718,856	10,393.337	19.7148	83	848.33	4,682.05	690.000	4.5191
29	33,411	684,154	10,274.881	19.4772	84	729.17	3,833.72	599.531	4.2576
30	32,161	650,743	10,155.388	19.2338	85	624.13	3,104.54	519.144	3.9742
31	30,953	618,582	10,034.618	18.9847	86	528.97	2,480.41	445.094	3.6891
32	29,784	587,629	9,912.433	18.7297	87	443.05	1,951.44	377.056	3.4046
33	28,653	557,845	9,788.484	18.4691	88	365.62	1,508.39	314.612	3.1256
34	27,558	529,192	9,662.397	18.2030	89	295.96	1,142.77	257.317	2.8612
35	26,497	501,635	9,533.762	17.9316	90	234.01	846.81	205.371	2.6187
36	25,470	475,137	9,402.523	17.6548	91	180.19	612.81	159.466	2.4009
37	24,474	449,667	9,268.261	17.3730	92	134.89	432.62	120.261	2.2072
38	23,508	425,193	9,129.873	17.0869	93	98.020	297.725	87.952	2.0374
39	22,570	401,685	8,986.086	16.7976	94	69.087	199.706	62.334	1.8906
40	21,656	379,115	8,836.135	16.5059	95	47.213	130.618	42.796	1.7666
41	20,767	357,459	8,679.351	16.2126	96	31.285	83.405	28.465	1.6660
42	19,902	336,691	8,516.105	15.9176	97	20.278	52.120	18.515	1.5703
43	19,061	316,789	8,347.847	15.6202	98	12.843	31.842	11.766	1.4794
44	18,245	297,729	8,176.452	15.3188	99	7.9392	18.9994	7.2967	1.3931
45	17,454	279,484	8,002.949	15.0125	100	4.7853	11.0602	4.4113	1.3113
46	16,689	262,030	7,827.943	14.7009	101	2.8091	6.2749	2.5970	1.2337
47	15,947	245,341	7,650.455	14.3848	102	1.6043	3.4658	1.4871	1.1603
48	15,225	229,394	7,468.145	14.0665	103	.89031	1.86148	.82736	1.0908
49	14,521	214,169	7,278.078	13.7494	104	.47957	.97117	.44672	1.0251
50	13,830	199,648	7,078.558	13.4359	105	.25044	.49161	.23381	.9630
51	13,153	185,818	6,869.491	13.1272	106	.12664	.24117	.11849	.9043
52	12,491	172,665	6,652.238	12.8230	107	.06194	.11453	.05807	.8490
53	11,845	160,174	6,428.464	12.5225	108	.02927	.05259	.02749	.7968
54	11,216	148,329	6,200.302	12.2245	109	.01334	.02332	.01256	.7475

TABLE 19. UNITED STATES NONWHITE MALES: 1959-61—ACTUARIAL FUNCTIONS AT 4% PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,028,797	12,635.535	19.2880	55	6,250.0	74,045.7	3,061.383	10.8474
1	91,197	1,928,797	8,139.156	20.1497	56	5,844.8	67,795.7	2,925.411	10.5992
2	86,976	1,837,600	7,845.237	20.1276	57	5,457.4	61,950.9	2,789.684	10.3517
3	83,067	1,750,623	7,680.940	20.0749	58	5,087.2	56,493.4	2,654.479	10.1050
4	79,383	1,667,557	7,574.693	20.0064	59	4,733.7	51,406.2	2,520.009	9.8597
5	75,887	1,588,173	7,497.254	19.9280	60	4,396.3	46,672.6	2,386.520	9.6162
6	72,556	1,512,286	7,433.896	19.8429	61	4,075.1	42,276.2	2,254.566	9.3743
7	69,379	1,439,730	7,380.967	19.7517	62	3,769.5	38,201.1	2,124.521	9.1341
8	66,346	1,370,351	7,335.613	19.6546	63	3,479.0	34,431.6	1,996.310	8.8970
9	63,449	1,304,005	7,295.603	19.5520	64	3,202.6	30,952.6	1,869.758	8.6647
10	60,680	1,240,556	7,259.011	19.4442	65	2,939.9	27,749.9	1,744.966	8.4390
11	58,032	1,179,876	7,223.951	19.3315	66	2,690.5	24,810.0	1,622.169	8.2212
12	55,497	1,121,844	7,188.391	19.2143	67	2,454.6	22,119.5	1,502.062	8.0115
13	53,069	1,066,346	7,150.115	19.0935	68	2,232.5	19,664.9	1,385.717	7.8083
14	50,741	1,013,277	7,107.000	18.9696	69	2,025.0	17,432.4	1,274.344	7.6085
15	48,507	962,536	7,057.645	18.8434	70	1,832.2	15,407.3	1,168.770	7.4090
16	46,362	914,029	7,001.784	18.7151	71	1,653.6	13,575.1	1,069.010	7.2095
17	44,303	867,668	6,939.570	18.5847	72	1,488.3	11,921.5	974.958	7.0100
18	42,327	823,364	6,870.872	18.4526	73	1,336.3	10,433.2	886.990	6.8077
19	40,429	781,038	6,795.732	18.3188	74	1,197.2	9,096.9	805.468	6.5985
20	38,607	740,609	6,714.530	18.1834	75	1,070.6	7,899.7	730.452	6.3786
21	36,857	702,002	6,627.279	18.0466	76	956.16	6,829.08	662.081	6.1422
22	35,177	665,145	6,534.893	17.9082	77	852.74	5,872.93	599.837	5.8871
23	33,567	629,967	6,439.605	17.7672	78	758.60	5,020.19	542.415	5.6177
24	32,026	596,400	6,344.017	17.6222	79	671.78	4,261.59	488.262	5.3438
25	30,553	564,374	6,249.825	17.4720	80	591.00	3,589.82	436.415	5.0741
26	29,145	533,821	6,157.386	17.3161	81	515.58	2,998.82	386.444	4.8164
27	27,799	504,676	6,066.249	17.1547	82	445.68	2,483.24	338.744	4.5718
28	26,511	476,877	5,976.121	16.9876	83	381.91	2,037.56	294.169	4.3352
29	25,280	450,366	5,886.490	16.8149	84	325.13	1,655.65	253.831	4.0923
30	24,102	425,085	5,796.941	16.6369	85	275.63	1,330.52	218.330	3.8273
31	22,975	400,983	5,707.300	16.4534	86	231.37	1,054.90	185.942	3.5594
32	21,895	378,009	5,617.477	16.2643	87	191.93	823.53	156.467	3.2908
33	20,862	356,113	5,527.229	16.0697	88	156.87	631.60	129.675	3.0262
34	19,873	335,251	5,436.303	15.8697	89	125.77	474.73	105.327	2.7746
35	18,925	315,378	5,344.427	15.6644	90	98.491	348.956	83.464	2.5430
36	18,018	296,453	5,251.588	15.4536	91	75.113	250.465	64.328	2.3345
37	17,148	278,435	5,157.520	15.2376	92	55.692	175.351	48.141	2.1486
38	16,313	261,288	5,061.489	15.0170	93	40.082	119.659	34.929	1.9853
39	15,512	244,975	4,962.666	14.7928	94	27.981	79.577	24.554	1.8440
40	14,742	229,463	4,860.593	14.5655	95	18.939	51.596	16.717	1.7244
41	14,001	214,721	4,754.889	14.3359	96	12.429	32.658	11.023	1.6274
42	13,289	200,720	4,645.883	14.1038	97	7.9792	20.2282	7.1081	1.5351
43	12,606	187,431	4,534.604	13.8686	98	5.0051	12.2490	4.4777	1.4473
44	11,951	174,825	4,422.336	13.6289	99	3.0645	7.2439	2.7525	1.3638
45	11,323	162,874	4,309.775	13.3837	100	1.8294	4.1794	1.6495	1.2845
46	10,723	151,551	4,197.324	13.1327	101	1.0637	2.3500	.9625	1.2093
47	10,149	140,827	4,084.371	12.8764	102	.60164	1.28632	.54625	1.1380
48	9,596.8	130,678.5	3,969.459	12.6169	103	.33069	.68468	.30121	1.0705
49	9,064.8	121,081.7	3,850.804	12.3573	104	.17642	.35399	.16118	1.0065
50	8,551.1	112,016.9	3,727.440	12.0997	105	.09125	.17757	.08360	.9460
51	8,054.9	103,465.7	3,599.410	11.8451	106	.04570	.08632	.04198	.8888
52	7,576.2	95,410.9	3,467.640	11.5934	107	.02214	.04062	.02039	.8348
53	7,115.6	87,834.6	3,333.213	11.3440	108	.01036	.01848	.00956	.7838
54	6,673.4	80,719.1	3,197.462	11.0956	109	.00468	.00812	.00433	.7356

TABLE 20. UNITED STATES NONWHITE FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 2½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	3,154,874	23,051.865	30.5487	55	19,894	315,576	12,196.641	14.8632
1	93,827	3,054,874	19,317.543	31.5587	56	19,072	295,683	11,860.704	14.5031
2	91,274	2,961,047	19,052.970	31.4414	57	18,263	276,610	11,516.184	14.1461
3	88,905	2,869,773	18,910.628	31.2791	58	17,464	258,348	11,162.799	13.7932
4	86,637	2,780,868	18,810.961	31.0979	59	16,675	240,884	10,799.936	13.4457
5	84,446	2,694,231	18,733.115	30.9048	60	15,896	224,208	10,427.865	13.1044
6	82,323	2,609,785	18,669.316	30.7019	61	15,127	208,312	10,046.510	12.7706
7	80,262	2,527,462	18,616.666	30.4901	62	14,370	193,185	9,658.126	12.4437
8	78,261	2,447,200	18,572.776	30.2699	63	13,629	178,815	9,267.886	12.1200
9	76,315	2,368,940	18,535.661	30.0417	64	12,911	165,186	8,882.084	11.7942
10	74,421	2,292,625	18,503.549	29.8061	65	12,219	152,275	8,504.840	11.4623
11	72,577	2,218,204	18,474.685	29.5634	66	11,555	140,056	8,138.665	11.1212
12	70,780	2,145,627	18,447.191	29.3142	67	10,916	128,501	7,782.207	10.7714
13	69,025	2,074,847	18,419.019	29.0593	68	10,299	117,585	7,431.127	10.4171
14	67,311	2,005,822	18,388.148	28.7995	69	9,696.2	107,285.7	7,079.432	10.0648
15	65,634	1,938,511	18,353.082	28.5352	70	9,103.8	97,589.5	6,723.596	9.7196
16	63,993	1,872,878	18,312.864	28.2670	71	8,520.7	88,485.7	6,362.476	9.3848
17	62,386	1,808,885	18,267.203	27.9949	72	7,949.4	79,965.1	5,999.033	9.0593
18	60,814	1,746,498	18,216.217	27.7188	73	7,395.2	72,015.7	5,638.723	8.7382
19	59,275	1,685,685	18,160.362	27.4386	74	6,864.7	64,620.5	5,288.605	8.4134
20	57,769	1,626,410	18,099.975	27.1539	75	6,361.9	57,755.7	4,953.249	8.0783
21	56,294	1,568,642	18,034.674	26.8651	76	5,888.5	51,393.8	4,635.027	7.7278
22	54,851	1,512,347	17,964.256	26.5720	77	5,441.9	45,505.3	4,332.029	7.3620
23	53,438	1,457,497	17,889.406	26.2745	78	5,016.6	40,063.4	4,039.481	6.9861
24	52,056	1,404,058	17,811.013	25.9719	79	4,605.7	35,046.7	3,750.881	6.6095
25	50,705	1,352,002	17,729.569	25.6640	80	4,204.9	30,441.0	3,462.412	6.2395
26	49,384	1,301,297	17,645.158	25.3505	81	3,812.7	26,236.2	3,172.798	5.8812
27	48,092	1,251,913	17,557.248	25.0318	82	3,432.1	22,423.5	2,885.226	5.5334
28	46,826	1,203,821	17,464.955	24.7081	83	3,068.9	18,991.3	2,605.655	5.1884
29	45,587	1,156,995	17,367.150	24.3802	84	2,730.2	15,922.5	2,341.807	4.8321
30	44,371	1,111,408	17,263.024	24.0483	85	2,420.5	13,192.3	2,098.711	4.4503
31	43,177	1,067,038	17,152.113	23.7129	86	2,120.4	10,771.8	1,857.722	4.0800
32	42,007	1,023,860	17,034.477	23.3737	87	1,831.5	8,651.4	1,620.496	3.7236
33	40,858	981,853	16,910.445	23.0308	88	1,555.0	6,819.9	1,388.710	3.3856
34	39,732	940,995	16,780.546	22.6838	89	1,292.7	5,264.8	1,164.334	3.0726
35	38,627	901,264	16,645.006	22.3325	90	1,048.3	3,972.1	951.451	2.7890
36	37,544	862,637	16,503.948	21.9768	91	827.04	2,923.75	755.726	2.5352
37	36,481	825,093	16,356.846	21.6170	92	633.42	2,096.72	582.285	2.3101
38	35,437	788,612	16,202.550	21.2539	93	469.92	1,463.29	434.226	2.1139
39	34,410	753,175	16,039.632	20.8884	94	337.07	993.38	312.838	1.9471
40	33,398	718,765	15,867.204	20.5212	95	233.50	656.31	217.490	1.8108
41	32,401	685,367	15,684.288	20.1529	96	156.24	422.81	145.923	1.7063
42	31,417	652,966	15,491.266	19.7837	97	102.25	266.58	95.752	1.6070
43	30,450	621,549	15,290.097	19.4122	98	65.392	164.324	61.385	1.5129
44	29,500	591,099	15,083.376	19.0370	99	40.819	98.931	38.406	1.4237
45	28,570	561,599	14,872.483	18.6569	100	24.843	58.112	23.426	1.3391
46	27,659	533,029	14,658.050	18.2716	101	14.726	33.269	13.915	1.2591
47	26,765	505,370	14,438.423	17.8821	102	8.4922	18.5425	8.0400	1.1835
48	25,883	478,606	14,210.016	17.4909	103	4.7588	10.0503	4.5137	1.1120
49	25,010	452,722	13,968.254	17.1015	104	2.5883	5.2915	2.4593	1.0444
50	24,142	427,712	13,710.167	16.7164	105	1.3648	2.7032	1.2989	.9806
51	23,278	403,570	13,435.211	16.3367	106	.69691	1.33837	.66427	.9204
52	22,420	380,291	13,144.735	15.9620	107	.34419	.64146	.32854	.8637
53	21,569	357,871	12,840.172	15.5921	108	.16422	.29727	.15697	.8102
54	20,726	336,303	12,523.588	15.2261	109	.07560	.13305	.07236	.7598

TABLE 21. UNITED STATES NONWHITE FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 3½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,520,334	14,771.297	24.2033	55	11,663	166,776	6,023.154	13.2997
1	92,920	2,420,334	11,073.056	25.0475	56	11,073	155,113	5,828.109	13.0076
2	89,518	2,327,414	10,813.571	24.9993	57	10,501	144,040	5,630.014	12.7169
3	86,353	2,237,896	10,675.315	24.9157	58	9,944.6	133,538.7	5,428.784	12.4283
4	83,337	2,151,543	10,579.444	24.8174	59	9,403.7	123,594.1	5,224.153	12.1432
5	80,445	2,068,206	10,505.287	24.7097	60	8,877.9	114,190.4	5,016.357	11.8624
6	77,664	1,987,761	10,445.098	24.5943	61	8,366.7	105,312.6	4,805.434	11.5871
7	74,989	1,910,097	10,395.908	24.4718	62	7,871.1	96,945.8	4,592.700	11.3167
8	72,412	1,835,109	10,355.298	24.3426	63	7,393.2	89,074.8	4,381.013	11.0482
9	69,929	1,762,697	10,321.288	24.2068	64	6,935.9	81,681.6	4,173.756	10.7766
10	67,535	1,692,767	10,292.147	24.0649	65	6,500.7	74,745.6	3,973.054	10.4981
11	65,226	1,625,232	10,266.207	23.9170	66	6,087.7	68,244.9	3,780.124	10.2099
12	62,996	1,560,006	10,241.737	23.7637	67	5,696.1	62,157.0	3,594.128	9.9123
13	60,840	1,497,011	10,216.905	23.6055	68	5,322.0	56,461.0	3,412.708	9.6089
14	58,756	1,436,170	10,189.957	23.4429	69	4,962.1	51,138.9	3,232.726	9.3060
15	56,739	1,377,414	10,159.644	23.2764	70	4,613.9	46,176.9	3,052.384	9.0082
16	54,786	1,320,675	10,125.212	23.1062	71	4,276.6	41,563.0	2,871.133	8.7186
17	52,894	1,265,889	10,086.498	22.9324	72	3,951.4	37,286.3	2,690.478	8.4363
18	51,063	1,212,995	10,043.688	22.7549	73	3,640.4	33,335.0	2,513.111	8.1570
19	49,290	1,161,932	9,997.241	22.5736	74	3,346.6	29,694.6	2,342.426	7.8731
20	47,573	1,112,643	9,947.512	22.3881	75	3,071.5	26,348.0	2,180.518	7.5782
21	45,911	1,065,069	9,894.255	22.1985	76	2,815.5	23,276.5	2,028.366	7.2673
22	44,302	1,019,158	9,837.381	22.0050	77	2,576.8	20,461.0	1,884.893	6.9404
23	42,744	974,857	9,777.510	21.8070	78	2,352.5	17,884.2	1,747.706	6.6022
24	41,236	932,113	9,715.411	21.6043	79	2,138.9	15,531.7	1,613.679	6.2615
25	39,778	890,877	9,651.519	21.3963	80	1,933.9	13,392.8	1,481.006	5.9253
26	38,367	851,099	9,585.939	21.1831	81	1,736.6	11,458.9	1,349.095	5.5985
27	37,002	812,732	9,518.301	20.9645	82	1,548.2	9,722.3	1,219.378	5.2799
28	35,680	775,730	9,447.976	20.7411	83	1,370.9	8,174.1	1,094.489	4.9626
29	34,400	740,050	9,374.172	20.5131	84	1,207.8	6,803.2	977.763	4.6326
30	33,159	705,650	9,296.356	20.2808	85	1,060.5	5,595.4	871.256	4.2763
31	31,956	672,491	9,214.272	20.0446	86	920.05	4,534.93	766.693	3.9290
32	30,789	640,535	9,128.051	19.8043	87	787.00	3,614.88	664.757	3.5932
33	29,657	609,747	9,038.020	19.5596	88	661.75	2,827.88	566.120	3.2733
34	28,561	580,089	8,944.642	19.3104	89	544.81	2,166.13	471.560	2.9759
35	27,499	551,528	8,848.150	19.0564	90	437.54	1,621.32	382.710	2.7056
36	26,469	524,029	8,748.701	18.7975	91	341.84	1,183.78	301.810	2.4630
37	25,472	497,560	8,645.991	18.5338	92	259.29	841.94	230.814	2.2472
38	24,504	472,088	8,539.300	18.2660	93	190.50	582.66	170.793	2.0586
39	23,563	447,584	8,427.736	17.9949	94	135.32	392.16	122.060	1.8980
40	22,650	424,021	8,310.799	17.7208	95	92.836	256.838	84.151	1.7666
41	21,761	401,371	8,187.949	17.4446	96	61.517	164.002	55.971	1.6660
42	20,897	379,610	8,059.564	17.1661	97	39.873	102.485	36.407	1.5703
43	20,057	358,714	7,927.053	16.8843	98	25.253	62.612	23.136	1.4794
44	19,244	338,656	7,792.201	16.5977	99	15.611	37.359	14.348	1.3931
45	18,457	319,412	7,655.956	16.3054	100	9.4094	21.7480	8.6740	1.3113
46	17,696	300,955	7,518.762	16.0070	101	5.5237	12.3385	5.1065	1.2337
47	16,958	283,259	7,379.604	15.7031	102	3.1546	6.8149	2.9241	1.1603
48	16,242	266,300	7,236.280	15.3962	103	1.7506	3.6603	1.6269	1.0908
49	15,542	250,059	7,086.041	15.0891	104	.94298	1.90964	.87841	1.0251
50	14,858	234,516	6,927.208	14.7842	105	.49244	.96666	.45975	.9630
51	14,188	219,659	6,759.628	14.4823	106	.24902	.47422	.23298	.9043
52	13,533	205,471	6,584.299	14.1834	107	.12180	.22520	.11418	.8490
53	12,893	191,938	6,402.244	13.8871	108	.05755	.10340	.05405	.7968
54	12,270	179,045	6,214.831	13.5927	109	.02624	.04585	.02469	.7475

TABLE 22. UNITED STATES NONWHITE FEMALES: 1959-61—ACTUARIAL FUNCTIONS AT 4½ PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,081,240	10,377.210	19.8124	55	6,872.8	89,288.1	3,027.810	11.9916
1	92,031	1,981,240	6,714.359	20.5280	56	6,463.0	82,415.3	2,913.973	11.7520
2	87,813	1,889,209	6,459.817	20.5139	57	6,070.1	75,952.4	2,799.463	11.5125
3	83,898	1,801,396	6,325.492	20.4714	58	5,693.5	69,882.2	2,684.254	11.2740
4	80,193	1,717,499	6,233.239	20.4172	59	5,332.3	64,188.7	2,568.218	11.0377
5	76,669	1,637,306	6,162.562	20.3556	60	4,986.0	58,856.4	2,451.516	10.8043
6	73,310	1,560,637	6,105.747	20.2881	61	4,654.0	53,870.4	2,334.190	10.5752
7	70,107	1,487,327	6,059.759	20.2150	62	4,336.4	49,216.4	2,216.990	10.3497
8	67,051	1,417,220	6,022.156	20.1365	63	4,034.1	44,880.0	2,101.482	10.1251
9	64,132	1,350,169	5,990.966	20.0529	64	3,748.4	40,845.9	1,989.474	9.8969
10	61,344	1,286,037	5,964.496	19.9643	65	3,479.5	37,097.5	1,882.047	9.6616
11	58,679	1,224,693	5,941.159	19.8710	66	3,227.4	33,618.0	1,779.767	9.4163
12	56,130	1,166,014	5,919.356	19.7733	67	2,990.8	30,390.6	1,682.108	9.1614
13	53,691	1,109,883	5,897.442	19.6715	68	2,767.7	27,399.8	1,587.762	8.9000
14	51,356	1,056,192	5,873.888	19.5662	69	2,555.8	24,632.1	1,495.060	8.6378
15	49,118	1,004,836	5,847.646	19.4576	70	2,353.7	22,076.3	1,403.062	8.3793
16	46,973	955,718	5,818.125	19.3459	71	2,160.8	19,722.6	1,311.484	8.1275
17	44,918	908,744	5,785.249	19.2313	72	1,977.3	17,561.8	1,221.081	7.8816
18	42,948	863,827	5,749.242	19.1135	73	1,804.3	15,584.5	1,133.173	7.6375
19	41,059	820,879	5,710.551	18.9925	74	1,642.8	13,780.2	1,049.387	7.3883
20	39,250	779,820	5,669.522	18.8679	75	1,493.3	12,137.4	970.669	7.1277
21	37,517	740,569	5,626.003	18.7398	76	1,355.8	10,644.1	897.402	6.8510
22	35,855	703,053	5,579.972	18.6082	77	1,229.0	9,288.3	828.976	6.5579
23	34,263	667,198	5,531.980	18.4728	78	1,111.2	8,059.4	764.174	6.2527
24	32,738	632,935	5,482.678	18.3332	79	1,000.7	6,948.2	701.470	5.9435
25	31,278	600,197	5,432.439	18.1890	80	896.11	5,947.49	639.994	5.6370
26	29,880	568,918	5,381.365	18.0400	81	796.98	5,051.38	579.455	5.3382
27	28,541	539,038	5,329.192	17.8862	82	703.70	4,254.40	520.494	5.0458
28	27,259	510,497	5,275.467	17.7279	83	617.17	3,550.70	464.270	4.7532
29	26,029	483,238	5,219.623	17.5654	84	538.55	2,933.53	412.224	4.4471
30	24,850	457,209	5,161.307	17.3990	85	468.32	2,394.99	365.188	4.1140
31	23,719	432,360	5,100.380	17.2286	86	402.42	1,926.66	319.454	3.7877
32	22,634	408,641	5,036.995	17.0543	87	340.93	1,524.24	275.294	3.4708
33	21,594	386,007	4,971.444	16.8759	88	283.93	1,183.31	232.974	3.1676
34	20,597	364,413	4,904.105	16.6929	89	231.52	899.38	192.790	2.8847
35	19,641	343,817	4,835.187	16.5053	90	184.15	657.86	155.394	2.6267
36	18,725	324,176	4,764.836	16.3129	91	142.50	483.71	121.670	2.3945
37	17,846	305,451	4,692.875	16.1157	92	107.05	341.21	92.358	2.1874
38	17,004	287,605	4,618.839	15.9142	93	77.898	234.159	67.814	2.0060
39	16,195	270,601	4,542.162	15.7091	94	54.806	156.261	48.077	1.8512
40	15,418	254,406	4,462.562	15.5008	95	37.239	101.455	32.870	1.7244
41	14,671	238,989	4,379.737	15.2897	96	24.440	64.216	21.675	1.6274
42	13,954	224,317	4,294.009	15.0759	97	15.690	39.775	13.977	1.5351
43	13,265	210,364	4,206.372	14.8584	98	9.8417	24.0856	8.8045	1.4473
44	12,606	197,099	4,118.040	14.6359	99	6.0258	14.2439	5.4124	1.3638
45	11,974	184,493	4,029.650	14.4074	100	3.5972	8.2181	3.2434	1.2845
46	11,371	172,519	3,941.496	14.1724	101	2.0915	4.6208	1.8925	1.2093
47	10,792	161,148	3,852.936	13.9317	102	1.1830	2.5293	1.0741	1.1380
48	10,237	150,356	3,762.597	13.6871	103	.65024	1.34630	.59227	1.0705
49	9,702.6	140,118.7	3,668.807	13.4413	104	.34690	.69606	.31693	1.0065
50	9,186.6	130,416.1	3,570.599	13.1963	105	.17942	.34916	.16439	.9460
51	8,688.4	121,229.5	3,467.975	12.9531	106	.08986	.16973	.08255	.8888
52	8,207.9	112,541.1	3,361.633	12.7113	107	.04353	.07987	.04009	.8348
53	7,745.1	104,333.2	3,252.268	12.4709	108	.02037	.03634	.01881	.7838
54	7,300.1	96,588.1	3,140.762	12.2311	109	.00920	.01597	.00851	.7356

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