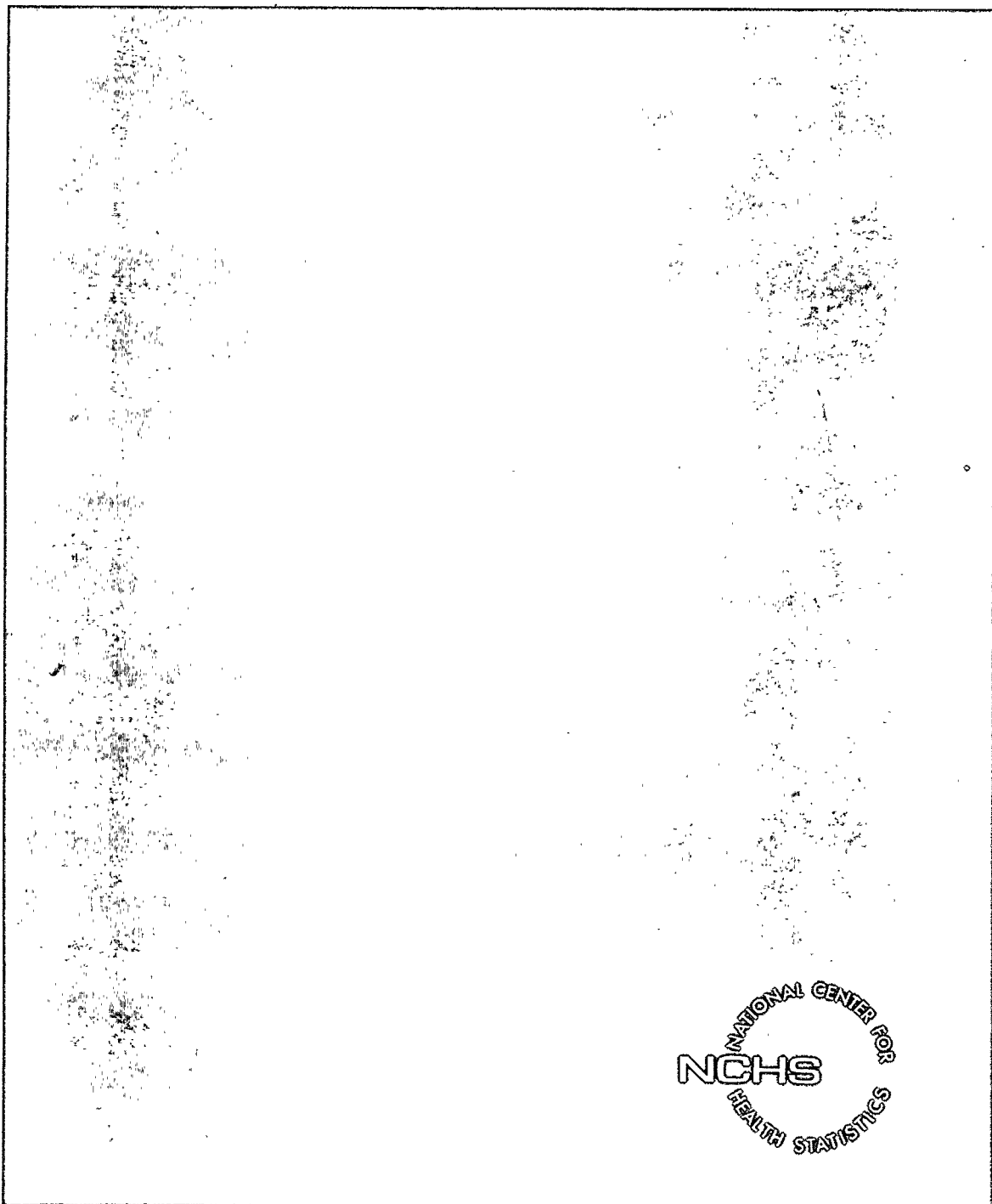


U.S. DECENNIAL LIFE TABLES FOR 1969-71

Volume 1, Number 2

**Actuarial Tables Based on
United States Life Tables: 1969-71**



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Volume 1, Number 2

**Actuarial Tables Based on
United States Life Tables: 1969-71**

DHEW Publication No. (HRA) 75-1150

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service
Health Resources Administration
National Center for Health Statistics
Rockville, Maryland 20852
May 1975

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ACTUARIAL TABLES

BASED ON UNITED STATES LIFE TABLES:1969-71

T. N. E. Greville, Ph.D., *Division of Vital Statistics*

This report contains some tables used by actuaries in calculating the present values of life annuities and of survivor benefits payable on the death of an insured individual. Appendix I presents an elementary introduction to the uses of such tables.

The actuarial functions tabulated are based on the 1969-71 life tables for total males, total females, white males, white females, Negro males, and Negro females in the United States. The functions included are the commutation columns

D , N , and M and the whole-life immediate annuity values. These are given for interest rates ranging from 3 to 8 percent at intervals of half of 1 percent.

As the different columns were rounded independently, there may be small discrepancies in the mathematical relationships that should hold among the various columns.

Appendix II contains some information on methods and formulas used in calculating the tables.

TABLE 1. UNITED STATES TOTAL MALES: 1969-71--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	2,854,074	16,871.620	27.5407	55	15,965	229,786	9,272.700	13.3927
1	94,908	2,754,074	14,692.008	28.0184	56	15,263	213,820	9,035.051	13.0092
2	92,021	2,659,167	14,569.471	27.8974	57	14,570	198,558	8,786.704	12.6279
3	89,257	2,567,146	14,485.278	27.7614	58	13,887	183,988	8,528.304	12.2487
4	86,590	2,477,889	14,418.641	27.6163	59	13,215	170,100	8,260.472	11.8719
5	84,014	2,391,299	14,364.297	27.4632	60	12,553	156,886	7,983.637	11.4977
6	81,520	2,307,285	14,317.398	27.3033	61	11,902	144,332	7,698.552	11.1263
7	79,102	2,225,765	14,274.304	27.1378	62	11,263	132,430	7,405.931	10.7579
8	76,759	2,146,663	14,234.833	26.9663	63	10,636	121,167	7,106.455	10.3926
9	74,489	2,069,904	14,200.345	26.7881	64	10,020	110,531	6,800.922	10.0308
10	72,289	1,995,415	14,170.581	26.6031	65	9,417.0	100,511.0	6,489.501	9.6734
11	70,159	1,923,126	14,146.019	26.4108	66	8,826.2	91,094.0	6,172.936	9.3209
12	68,092	1,852,966	14,122.172	26.2127	67	8,248.1	82,267.9	5,851.928	8.9742
13	66,082	1,784,874	14,094.934	26.0102	68	7,684.1	74,019.8	5,528.211	8.6328
14	64,119	1,718,793	14,057.250	25.8062	69	7,135.8	66,335.7	5,203.646	8.2962
15	62,199	1,654,673	14,006.617	25.6029	70	6,604.8	59,199.9	4,880.577	7.9631
16	60,319	1,592,474	13,936.069	25.4010	71	6,092.3	52,595.1	4,560.419	7.6330
17	58,479	1,532,156	13,853.182	25.2001	72	5,598.8	46,502.8	4,244.349	7.3058
18	56,681	1,473,677	13,758.024	24.9996	73	5,123.7	40,904.0	3,932.283	6.9833
19	54,928	1,416,996	13,656.513	24.7972	74	4,666.4	35,780.3	3,624.257	6.6676
20	53,223	1,362,068	13,550.761	24.5919	75	4,226.7	31,113.9	3,320.517	6.3612
21	51,563	1,308,845	13,441.638	24.3832	76	3,805.6	26,887.2	3,022.452	6.0652
22	49,948	1,257,282	13,328.387	24.1717	77	3,404.5	23,081.6	2,732.246	5.7797
23	48,379	1,207,333	13,214.382	23.9555	78	3,025.6	19,677.1	2,452.487	5.5035
24	46,860	1,158,954	13,103.697	23.7325	79	2,671.1	16,651.4	2,186.103	5.2339
25	45,392	1,112,094	13,000.534	23.5000	80	2,342.0	13,980.4	1,934.808	4.9694
26	43,974	1,066,703	12,905.013	23.2576	81	2,038.1	11,638.3	1,699.136	4.7103
27	42,605	1,022,729	12,816.776	23.0049	82	1,758.6	9,600.2	1,479.008	4.4589
28	41,282	980,124	12,734.605	22.7422	83	1,503.7	7,841.6	1,275.269	4.2150
29	40,000	938,842	12,655.252	22.4710	84	1,273.5	6,337.9	1,088.903	3.9768
30	38,756	898,842	12,576.563	22.1921	85	1,067.5	5,064.4	919.962	3.7443
31	37,548	860,085	12,497.366	21.9060	86	883.69	3,996.97	767.276	3.5230
32	36,375	822,537	12,417.756	21.6126	87	720.87	3,113.28	630.193	3.3188
33	35,235	786,162	12,337.450	21.3117	88	578.95	2,392.40	509.269	3.1323
34	34,127	750,926	12,255.456	21.0038	89	457.94	1,813.45	405.120	2.9600
35	33,050	716,799	12,171.941	20.6886	90	357.12	1,355.52	317.640	2.7957
36	32,001	683,750	12,086.028	20.3665	91	274.48	998.39	245.404	2.6374
37	30,979	651,749	11,996.252	20.0383	92	207.50	723.91	186.411	2.4888
38	29,983	620,769	11,902.587	19.7039	93	154.10	516.41	139.056	2.3512
39	29,011	590,786	11,804.072	19.3639	94	112.21	362.32	101.654	2.2290
40	28,063	561,775	11,700.149	19.0187	95	79.985	250.110	72.700	2.1270
41	27,136	533,712	11,590.920	18.6681	96	55.928	170.126	50.973	2.0419
42	26,231	506,576	11,476.492	18.3120	97	38.493	114.198	35.167	1.9667
43	25,346	480,345	11,355.858	17.9511	98	26.110	75.705	23.905	1.8994
44	24,481	454,999	11,228.388	17.5860	99	17.472	49.595	16.027	1.8386
45	23,633	430,518	11,093.260	17.2171	100	11.551	32.123	10.616	1.7809
46	22,801	406,885	10,950.258	16.8448	101	7.5271	20.5716	6.9279	1.7330
47	21,986	384,084	10,799.456	16.4692	102	4.8555	13.0445	4.4756	1.6865
48	21,187	362,098	10,640.705	16.0904	103	3.0951	8.1890	2.8566	1.6458
49	20,403	340,910	10,473.655	15.7088	104	1.9417	5.0939	1.7933	1.6234
50	19,633	320,507	10,298.013	15.3248	105	1.2119	3.1522	1.1201	1.6011
51	18,877	300,874	10,113.534	14.9388	106	.74080	1.94031	.68428	1.6192
52	18,133	281,997	9,919.378	14.5517	107	.46538	1.19951	.43044	1.5775
53	17,400	263,864	9,715.011	14.1643	108	.28752	.73413	.26614	1.5533
54	16,678	246,464	9,499.573	13.7777	109	.15951	.44660	.14650	1.7998

TABLE 2. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 3.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,563,333	13,317.230	24.6333	55	12,232	167,962	6,552.502	12.7309
1	94,449	2,463,333	11,148.147	25.0810	56	11,638	155,729	6,371.301	12.3817
2	91,134	2,368,884	11,026.791	24.9934	57	11,056	144,092	6,182.858	12.0335
3	87,969	2,277,750	10,943.812	24.8926	58	10,487	133,036	5,987.733	11.6864
4	84,929	2,189,781	10,878.454	24.7837	59	9,930.7	122,549.7	5,786.464	11.3405
5	82,004	2,104,852	10,825.410	24.6677	60	9,387.8	112,619.0	5,579.434	10.9963
6	79,185	2,022,848	10,779.854	24.5457	61	8,858.2	103,231.2	5,367.264	10.6538
7	76,466	1,943,663	10,738.196	24.4187	62	8,341.9	94,323.1	5,150.537	10.3131
8	73,842	1,867,197	10,700.226	24.2863	63	7,839.1	86,031.2	4,929.805	9.9747
9	71,312	1,793,355	10,667.208	24.1480	64	7,349.9	78,192.1	4,705.697	9.6386
10	68,872	1,722,042	10,638.851	24.0035	65	6,874.0	70,842.2	4,478.374	9.3058
11	66,520	1,653,170	10,615.563	23.8523	66	6,411.6	63,968.2	4,248.411	8.9770
12	64,248	1,586,650	10,593.062	23.6958	67	5,962.7	57,556.6	4,016.348	8.6528
13	62,050	1,522,403	10,567.486	23.5352	68	5,528.2	51,593.9	3,783.457	8.3329
14	59,916	1,460,353	10,532.272	23.3733	69	5,108.9	46,065.7	3,551.083	8.0168
15	57,841	1,400,437	10,483.327	23.2118	70	4,705.9	40,956.9	3,320.899	7.7033
16	55,822	1,342,596	10,419.890	23.0515	71	4,319.8	36,251.0	3,093.890	7.3919
17	53,858	1,286,774	10,343.553	22.8921	72	3,950.7	31,931.2	2,870.862	7.0825
18	51,949	1,232,916	10,256.338	22.7331	73	3,597.9	27,980.5	2,651.724	6.7769
19	50,100	1,180,967	10,163.751	22.5723	74	3,261.0	24,382.66	2,436.467	6.4770
20	48,310	1,130,867	10,067.761	22.4087	75	2,939.5	21,121.6	2,225.232	6.1855
21	46,577	1,082,558	9,969.190	22.2421	76	2,633.8	18,182.1	2,018.944	5.9034
22	44,901	1,035,980	9,867.384	22.0728	77	2,344.9	15,548.3	1,819.066	5.6308
23	43,280	991,080	9,765.395	21.8992	78	2,073.8	13,203.5	1,627.314	5.3668
24	41,718	947,799	9,666.854	21.7192	79	1,822.0	11,129.7	1,445.611	5.1086
25	40,216	906,081	9,575.455	21.5304	80	1,589.8	9,307.7	1,275.029	4.8547
26	38,772	865,866	9,491.234	21.3324	81	1,376.8	7,717.9	1,115.824	4.6056
27	37,383	827,094	9,413.812	21.1248	82	1,182.3	6,341.1	967.839	4.3635
28	36,047	789,711	9,342.061	20.9077	83	1,006.0	5,158.8	831.533	4.1281
29	34,759	753,663	9,273.105	20.6823	84	847.89	4,152.83	707.452	3.8979
30	33,516	718,904	9,205.056	20.4497	85	707.28	3,304.94	595.517	3.6728
31	32,314	685,388	9,136.898	20.2101	86	582.68	2,597.66	494.839	3.4581
32	31,153	653,074	9,068.717	19.9632	87	473.03	2,014.98	404.887	3.2598
33	30,031	621,921	9,000.271	19.7090	88	378.06	1,541.95	325.922	3.0785
34	28,946	591,889	8,930.724	19.4478	89	297.60	1,163.89	258.239	2.9110
35	27,897	562,943	8,860.230	19.1794	90	230.96	866.29	201.664	2.7509
36	26,881	535,046	8,788.061	18.9039	91	176.66	635.33	155.173	2.5964
37	25,897	508,165	8,713.013	18.6223	92	132.90	458.68	117.388	2.4513
38	24,944	482,267	8,635.091	18.3343	93	98.221	325.776	87.204	2.3168
39	24,019	457,324	8,553.530	18.0404	94	71.175	227.556	63.479	2.1971
40	23,121	433,305	8,467.908	17.7410	95	50.491	156.381	45.202	2.0972
41	22,249	410,184	8,378.349	17.4358	96	35.134	105.890	31.553	2.0139
42	21,404	387,935	8,284.980	17.1248	97	24.064	70.756	21.672	1.9403
43	20,582	366,531	8,187.024	16.8085	98	16.245	46.692	14.666	1.8743
44	19,783	345,950	8,084.016	16.4874	99	10.817	30.447	9.788	1.8147
45	19,005	326,167	7,975.347	16.1620	100	7.1173	19.6299	6.4535	1.7580
46	18,248	307,162	7,860.901	15.8326	101	4.6154	12.5126	4.1923	1.7110
47	17,511	288,914	7,740.797	15.4991	102	2.9629	7.8972	2.6959	1.6653
48	16,793	271,403	7,614.972	15.1618	103	1.8796	4.9343	1.7127	1.6252
49	16,093	254,610	7,483.209	14.8210	104	1.1734	3.0547	1.0701	1.6032
50	15,411	238,517	7,345.338	14.4769	105	.72883	1.88127	.66521	1.5812
51	14,746	223,106	7,201.230	14.1300	106	.44337	1.15244	.40440	1.5592
52	14,096	208,360	7,050.296	13.7812	107	.27718	.70906	.25321	1.5381
53	13,461	194,264	6,892.191	13.4311	108	.17042	.43187	.15582	1.5341
54	12,840	180,802	6,726.326	13.0807	109	.09409	.26145	.08525	1.7786

TABLE 3. UNITED STATES TOTAL MALES: 1969-71--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	2,321,024	10,729.855	22.2102	55	9,384.2	123,135.4	4,648.194	12.1216
1	93,995	2,221,024	8,571.201	22.6291	56	8,884.9	113,751.3	4,509.852	11.8028
2	90,260	2,127,029	8,451.009	22.5656	57	8,400.0	104,866.4	4,366.673	11.4841
3	86,706	2,035,769	8,369.221	22.4904	58	7,929.4	96,466.4	4,219.130	11.1657
4	83,308	1,950,062	8,305.111	22.4080	59	7,472.9	88,537.0	4,067.672	10.8477
5	80,052	1,866,755	8,253.329	22.3194	60	7,030.5	81,064.1	3,912.629	10.5304
6	76,928	1,786,703	8,209.072	22.2255	61	6,601.9	74,033.6	3,754.499	10.2139
7	73,929	1,709,775	8,168.796	22.1271	62	6,187.3	67,431.6	3,593.751	9.8984
8	71,049	1,635,845	8,132.261	22.0241	63	5,786.4	61,244.4	3,430.819	9.5842
9	68,285	1,564,796	8,100.645	21.9156	64	5,399.2	55,458.0	3,266.190	9.2715
10	65,632	1,496,511	8,073.622	21.8016	65	5,025.3	50,058.8	3,100.002	8.9613
11	63,085	1,430,879	8,051.537	21.6816	66	4,664.7	45,033.5	2,932.693	8.6540
12	60,638	1,367,794	8,030.300	21.5568	67	4,317.3	40,368.7	2,764.667	8.3504
13	58,282	1,307,156	8,006.277	21.4283	68	3,983.4	36,051.4	2,596.852	8.0503
14	56,007	1,248,875	7,973.361	21.2985	69	3,663.6	32,068.0	2,430.216	7.7531
15	53,807	1,192,868	7,927.830	21.1692	70	3,358.4	28,404.4	2,265.942	7.4577
16	51,679	1,139,060	7,869.100	21.0410	71	3,068.0	25,045.9	2,104.715	7.1636
17	49,621	1,087,381	7,798.767	20.9137	72	2,792.4	21,979.9	1,947.075	6.8707
18	47,633	1,037,760	7,718.800	20.7867	73	2,530.8	19,185.5	1,792.930	6.5807
19	45,716	990,127	7,634.313	20.6582	74	2,282.8	16,654.7	1,642.243	6.2957
20	43,871	944,411	7,547.143	20.5272	75	2,047.8	14,371.9	1,495.083	6.0180
21	42,094	900,541	7,458.060	20.3934	76	1,826.1	12,324.0	1,352.059	5.7490
22	40,384	858,446	7,366.496	20.2573	77	1,617.9	10,498.0	1,214.146	5.4886
23	38,739	818,063	7,275.207	20.1172	78	1,424.0	8,880.1	1,082.476	5.2359
24	37,161	779,324	7,187.430	19.9713	79	1,245.1	7,456.1	958.307	4.9884
25	35,651	742,162	7,106.405	19.8174	80	1,081.2	6,211.0	842.297	4.7446
26	34,206	706,511	7,032.103	19.6548	81	931.85	5,129.80	734.545	4.5050
27	32,822	672,305	6,964.127	19.4834	82	796.33	4,197.95	634.869	4.2716
28	31,497	639,483	6,901.433	19.3030	83	674.33	3,401.62	543.500	4.0444
29	30,226	607,986	6,841.471	19.1150	84	565.62	2,727.29	460.726	3.8218
30	29,004	577,761	6,782.582	18.9199	85	469.55	2,161.67	386.413	3.6037
31	27,830	548,757	6,723.883	18.7182	86	384.98	1,692.11	319.896	3.3954
32	26,701	520,927	6,665.446	18.5096	87	311.03	1,307.14	260.751	3.2027
33	25,616	494,226	6,607.064	18.2938	88	247.39	996.11	209.079	3.0265
34	24,571	468,610	6,548.029	18.0713	89	193.80	748.72	165.003	2.8634
35	23,567	444,038	6,488.476	17.8416	90	149.68	554.92	128.337	2.7074
36	22,600	420,472	6,427.802	17.6051	91	113.94	405.24	98.352	2.5567
37	21,668	397,872	6,365.011	17.3624	92	85.304	291.302	74.100	2.4149
38	20,770	376,204	6,300.129	17.1133	93	62.742	205.998	54.819	2.2833
39	19,903	355,435	6,232.543	16.8582	94	45.246	143.257	39.737	2.1661
40	19,067	335,531	6,161.933	16.5975	95	31.943	98.010	28.173	2.0683
41	18,260	316,464	6,088.431	16.3309	96	22.121	66.067	19.580	1.9866
42	17,482	298,204	6,012.171	16.0582	97	15.078	43.946	13.388	1.9145
43	16,730	280,723	5,932.549	15.7800	98	10.130	28.868	9.019	1.8499
44	16,003	263,993	5,849.223	15.4967	99	6.7130	18.7383	5.9923	1.7913
45	15,300	247,990	5,761.741	15.2087	100	4.3956	12.0253	3.9331	1.7358
46	14,620	232,691	5,670.051	14.9162	101	2.8367	7.6297	2.5433	1.6896
47	13,962	218,071	5,574.290	14.6193	102	1.8123	4.7930	1.6280	1.6447
48	13,325	204,109	5,474.450	14.3180	103	1.1441	2.9807	1.0295	1.6052
49	12,708	190,784	5,370.402	14.0126	104	.71085	1.83652	.64022	1.5835
50	12,111	178,076	5,262.053	13.7035	105	.43940	1.12567	.39610	1.5618
51	11,533	165,965	5,149.348	13.3909	106	.26602	.68626	.23962	1.5498
52	10,972	154,432	5,031.870	13.0757	107	.16551	.42024	.14934	1.5391
53	10,427	143,461	4,909.404	12.7584	108	.10127	.25473	.09147	1.5353
54	9,898.2	133,033.7	4,781.545	12.4402	109	.05564	.15346	.04974	1.5379

TABLE 4. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 4.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,117,185	8,829.334	20.1719	55	7,208.3	90,532.5	3,309.786	11.5595
1	93,545	2,017,185	6,681.008	20.5637	56	6,792.2	83,324.2	3,204.029	11.2677
2	89,398	1,923,640	6,561.963	20.5177	57	6,390.7	76,532.0	3,095.098	10.9755
3	85,468	1,834,242	6,481.344	20.4612	58	6,003.8	70,141.3	2,983.384	10.6828
4	81,725	1,748,774	6,418.452	20.3984	59	5,631.2	64,137.4	2,869.255	10.3898
5	78,155	1,667,050	6,367.898	20.3301	60	5,272.4	58,506.3	2,752.983	10.0967
6	74,746	1,588,895	6,324.895	20.2572	61	4,927.3	53,233.9	2,634.963	9.8038
7	71,489	1,514,149	6,285.949	20.1803	62	4,595.8	48,306.6	2,515.564	9.5111
8	68,375	1,442,660	6,250.790	20.0993	63	4,277.4	43,710.8	2,395.121	9.2190
9	65,400	1,374,285	6,220.509	20.0135	64	3,972.1	39,433.4	2,274.006	8.9276
10	62,558	1,308,885	6,194.752	19.9227	65	3,679.4	35,461.3	2,152.329	8.6379
11	59,843	1,246,327	6,173.802	19.8265	66	3,399.0	31,781.9	2,030.417	8.3503
12	57,246	1,186,483	6,153.753	19.7259	67	3,130.8	28,382.9	1,908.570	8.0657
13	54,759	1,129,237	6,131.182	19.6221	68	2,874.9	25,252.1	1,787.457	7.7837
14	52,370	1,074,478	6,100.404	19.5171	69	2,631.4	22,377.3	1,667.770	7.5040
15	50,072	1,022,109	6,058.033	19.4127	70	2,400.6	19,745.9	1,550.345	7.2252
16	47,862	972,036	6,003.641	19.3093	71	2,182.6	17,345.2	1,435.649	6.9471
17	45,736	924,175	5,938.816	19.2068	72	1,977.0	15,162.7	1,324.042	6.6696
18	43,693	878,439	5,865.462	19.1048	73	1,783.2	13,185.7	1,215.430	6.3942
19	41,734	834,746	5,788.334	19.0014	74	1,600.8	11,402.4	1,109.764	6.1231
20	39,858	793,012	5,709.138	18.8959	75	1,429.1	9,801.7	1,007.064	5.8584
21	38,061	753,154	5,628.590	18.7880	76	1,268.3	8,372.5	907.729	5.6015
22	36,340	715,093	5,546.195	18.6780	77	1,118.3	7,104.3	812.401	5.3526
23	34,693	678,753	5,464.441	18.5645	78	979.59	5,985.93	721.825	5.1106
24	33,121	644,060	5,386.208	18.4458	79	852.40	5,006.33	636.816	4.8732
25	31,623	610,939	5,314.338	18.3196	80	736.65	4,153.93	557.774	4.6389
26	30,195	579,316	5,248.747	18.1856	81	631.87	3,417.28	484.710	4.4082
27	28,835	549,121	5,189.027	18.0433	82	537.39	2,785.42	417.445	4.1832
28	27,539	520,286	5,134.212	17.8928	83	452.89	2,248.03	356.081	3.9638
29	26,301	492,747	5,082.036	17.7351	84	378.06	1,795.14	300.755	3.7483
30	25,117	466,446	5,031.039	17.5708	85	312.35	1,417.08	251.323	3.5369
31	23,985	441,329	4,980.453	17.4002	86	254.86	1,104.74	207.287	3.3347
32	22,902	417,344	4,930.327	17.2230	87	204.92	849.88	168.320	3.1474
33	21,866	394,442	4,880.491	17.0390	88	162.21	644.96	134.439	2.9760
34	20,874	372,576	4,830.339	16.8486	89	126.47	482.75	105.677	2.8172
35	19,925	351,701	4,779.980	16.6512	90	97.207	356.281	81.865	2.6652
36	19,016	331,776	4,728.937	16.4473	91	73.641	259.074	62.485	2.5181
37	18,145	312,760	4,676.355	16.2372	92	54.870	185.433	46.885	2.3795
38	17,309	294,616	4,622.283	16.0209	93	40.164	130.563	34.542	2.2507
39	16,508	277,307	4,566.228	15.7987	94	28.826	90.398	24.933	2.1360
40	15,739	260,799	4,507.944	15.5707	95	20.253	61.572	17.602	2.0401
41	15,000	245,061	4,447.567	15.3369	96	13.959	41.319	12.179	1.9601
42	14,292	230,060	4,385.217	15.0970	97	9.4691	27.3602	8.2909	1.8894
43	13,612	215,768	4,320.433	14.8515	98	6.3309	17.8911	5.5605	1.8260
44	12,958	202,156	4,252.960	14.6006	99	4.1755	11.5603	3.6777	1.7686
45	12,330	189,198	4,182.460	14.3448	100	2.7210	7.3848	2.4030	1.7140
46	11,725	176,868	4,108.927	14.0844	101	1.7476	4.6638	1.5468	1.6687
47	11,144	165,143	4,032.489	13.8191	102	1.1112	2.9162	.9856	1.6245
48	10,585	153,999	3,953.180	13.5492	103	.69812	1.80507	.62030	1.5856
49	10,047	143,414	3,870.923	13.2748	104	.43167	1.10694	.38400	1.5643
50	9,528.8	133,367.6	3,785.676	12.9963	105	.26555	.67527	.23647	1.5429
51	9,030.2	123,838.8	3,697.427	12.7139	106	.16000	.40972	.14235	1.5607
52	8,549.8	114,808.6	3,605.880	12.4282	107	.09907	.24972	.08831	1.5206
53	8,086.6	106,258.8	3,510.903	12.1400	108	.06033	.15064	.05384	1.4970
54	7,639.7	98,172.2	3,412.218	11.8502	109	.03299	.09031	.02910	1.47377

TABLE 5. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,944,179	7,420.045	18.4418	55	5,543.9	66,747.9	2,365.465	11.0398
1	93,100	1,844,179	5,281.950	18.8086	56	5,199.0	61,244.0	2,284.514	10.7723
2	88,549	1,751,079	5,164.036	18.7753	57	4,868.4	56,005.0	2,201.531	10.5037
3	84,253	1,662,530	5,084.563	18.7327	58	4,551.9	51,136.5	2,116.833	10.2341
4	80,179	1,578,278	5,022.860	18.6844	59	4,249.0	46,584.6	2,030.716	9.9636
5	76,312	1,498,099	4,973.498	18.6314	60	3,959.4	42,335.6	1,943.399	9.6925
6	72,636	1,421,787	4,931.710	18.5742	61	3,682.6	38,376.2	1,855.193	9.4209
7	69,139	1,349,151	4,894.044	18.5135	62	3,418.5	34,653.6	1,766.380	9.1489
8	65,813	1,280,012	4,860.202	18.4492	63	3,166.5	31,275.1	1,677.218	8.8768
9	62,650	1,214,199	4,831.194	18.3806	64	2,926.5	28,108.6	1,587.985	8.6049
10	59,642	1,151,549	4,806.638	18.3076	65	2,697.9	25,182.1	1,498.765	8.3339
11	56,782	1,091,906	4,786.759	18.2297	66	2,480.5	22,484.2	1,409.798	8.0645
12	54,059	1,035,124	4,767.826	18.1479	67	2,273.9	20,003.7	1,321.302	7.7973
13	51,464	981,065	4,746.613	18.0631	68	2,078.0	17,729.9	1,233.758	7.5320
14	48,985	929,601	4,717.824	17.9774	69	1,893.0	15,651.8	1,147.657	7.2683
15	46,612	880,616	4,678.381	17.8923	70	1,718.8	13,758.9	1,063.585	7.0051
16	44,342	834,004	4,627.989	17.8082	71	1,555.2	12,040.1	981.858	6.7418
17	42,171	789,661	4,568.216	17.7252	72	1,402.0	10,484.9	902.711	6.4786
18	40,096	747,490	4,500.902	17.6427	73	1,258.6	9,082.9	826.055	6.2168
19	38,116	707,394	4,430.461	17.5590	74	1,124.4	7,824.3	751.833	5.9585
20	36,229	669,278	4,358.475	17.4736	75	999.08	6,659.91	680.038	5.7061
21	34,431	633,050	4,285.610	17.3861	76	882.39	5,700.83	610.926	5.4606
22	32,717	598,619	4,211.428	17.2968	77	774.37	4,818.43	544.918	5.2224
23	31,086	565,902	4,138.175	17.2045	78	675.07	4,044.07	482.498	4.9906
24	29,536	534,816	4,068.410	17.1074	79	584.62	3,369.00	424.194	4.7627
25	28,066	505,280	4,004.624	17.0035	80	502.83	2,784.37	370.241	4.5374
26	26,671	477,214	3,946.689	16.8925	81	429.25	2,281.54	320.606	4.3152
27	25,349	450,543	3,894.190	16.7739	82	363.33	1,852.29	275.128	4.0981
28	24,094	425,195	3,846.233	16.6476	83	304.74	1,488.96	233.837	3.8860
29	22,901	401,101	3,800.802	16.5147	84	253.18	1,184.22	196.786	3.6774
30	21,766	378,200	3,756.609	16.3756	85	208.18	931.04	163.840	3.4724
31	20,686	356,434	3,712.978	16.2307	86	169.05	722.87	134.631	3.2760
32	19,658	335,748	3,669.955	16.0795	87	135.28	553.81	108.906	3.0939
33	18,679	316,090	3,627.382	15.9220	88	106.58	418.54	86.646	2.9271
34	17,747	297,411	3,584.743	15.7582	89	82.694	311.960	67.839	2.7725
35	16,859	279,664	3,542.139	15.5879	90	63.260	229.266	52.343	2.6242
36	16,014	262,804	3,499.148	15.4113	91	47.696	166.006	39.790	2.4805
37	15,207	246,790	3,455.079	15.2287	92	35.369	118.311	29.735	2.3451
38	14,438	231,583	3,409.977	15.0401	93	25.766	82.942	21.817	2.2190
39	13,704	217,146	3,363.442	14.8458	94	18.404	57.176	15.682	2.1066
40	13,003	203,442	3,315.289	14.6458	95	12.869	38.771	11.023	2.0127
41	12,334	190,439	3,265.641	14.4400	96	8.8274	25.9017	7.5939	1.9343
42	11,696	178,105	3,214.620	14.2281	97	5.9597	17.0744	5.1467	1.8650
43	11,086	166,409	3,161.857	14.0106	98	3.9656	11.1146	3.4363	1.8028
44	10,503	155,323	3,107.166	13.7877	99	2.6030	7.1490	2.2626	1.7464
45	9,946.5	144,819.4	3,050.294	13.5599	100	1.6882	4.5460	1.4717	1.6928
46	9,413.8	134,873.0	2,991.253	13.3272	101	1.0791	2.8578	.9430	1.6483
47	8,904.4	125,459.2	2,930.179	13.0895	102	.68285	1.77871	.59815	1.6048
48	8,417.3	116,554.8	2,867.110	12.8470	103	.42698	1.09586	.37480	1.5665
49	7,951.4	108,137.4	2,802.008	12.5998	104	.26276	.66887	.23091	1.5456
50	7,505.6	100,186.0	2,734.861	12.3481	105	.16087	.40611	.14153	1.5244
51	7,079.0	92,680.4	2,665.679	12.0922	106	.09646	.24523	.08478	1.5422
52	6,670.5	85,601.4	2,594.255	11.8328	107	.05944	.14877	.05236	1.5025
53	6,279.1	78,930.9	2,520.508	11.5704	108	.03602	.08932	.03177	1.4792
54	5,903.9	72,651.7	2,444.245	11.3058	109	.01960	.05329	.01706	1.7180

TABLE 6. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 5.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,796,098	6,364.584	16.9610	55	4,269.2	49,345.5	1,696.664	10.5585
1	92,659	1,696,098	4,236.622	17.3048	56	3,984.6	45,076.3	1,634.623	10.3127
2	87,711	1,603,439	4,119.823	17.2808	57	3,713.5	41,091.8	1,571.325	10.0654
3	83,060	1,515,727	4,041.474	17.2485	58	3,455.7	37,378.2	1,507.025	9.8165
4	78,670	1,432,667	3,980.933	17.2112	59	3,210.4	33,922.6	1,441.958	9.5664
5	74,520	1,353,997	3,932.730	17.1695	60	2,977.4	30,712.1	1,376.297	9.3151
6	70,595	1,279,477	3,892.116	17.1243	61	2,756.2	27,734.7	1,310.281	9.0628
7	66,878	1,208,882	3,855.682	17.0759	62	2,546.3	24,978.6	1,244.126	8.8096
8	63,359	1,142,004	3,823.102	17.0244	63	2,347.5	22,432.2	1,178.026	8.5559
9	60,028	1,078,645	3,795.309	16.9690	64	2,159.3	20,084.7	1,112.188	8.3017
10	56,875	1,018,617	3,771.891	16.9097	65	1,981.2	17,925.5	1,046.670	8.0479
11	53,891	961,742	3,753.024	16.8460	66	1,812.9	15,944.3	981.648	7.7951
12	51,064	907,851	3,735.141	16.7787	67	1,654.0	14,131.4	917.277	7.5439
13	48,382	856,787	3,715.199	16.7089	68	1,504.4	12,477.5	853.900	7.2941
14	45,833	808,405	3,688.262	16.6382	69	1,363.9	10,973.1	791.863	7.0453
15	43,407	762,573	3,651.532	16.5682	70	1,232.5	9,609.2	731.575	6.7963
16	41,097	719,166	3,604.828	16.4993	71	1,109.9	8,376.6	673.247	6.5469
17	38,899	678,069	3,549.692	16.4314	72	995.86	7,266.69	617.027	6.2969
18	36,810	639,170	3,487.895	16.3642	73	889.75	6,270.83	562.835	6.0478
19	34,826	602,360	3,423.534	16.2962	74	791.14	5,381.08	510.612	5.8017
20	32,945	567,534	3,358.073	16.2266	75	699.62	4,589.93	460.337	5.5606
21	31,162	534,589	3,292.126	16.1553	76	614.98	3,890.31	412.169	5.3259
22	29,470	503,427	3,225.306	16.0825	77	537.13	3,275.33	366.383	5.0978
23	27,868	473,957	3,159.635	16.0070	78	466.04	2,738.19	323.291	4.8754
24	26,353	446,089	3,097.387	15.9273	79	401.69	2,272.15	283.232	4.6566
25	24,923	419,736	3,040.744	15.8415	80	343.85	1,870.47	246.337	4.4398
26	23,572	394,813	2,989.540	15.7491	81	292.14	1,526.62	212.556	4.2256
27	22,297	371,241	2,943.362	15.6497	82	246.11	1,234.48	181.751	4.0160
28	21,093	348,943	2,901.377	15.5433	83	205.44	988.37	153.914	3.8110
29	19,954	327,851	2,861.793	15.4307	84	169.87	782.93	129.055	3.6089
30	18,875	307,897	2,823.470	15.3124	85	139.01	613.06	107.054	3.4100
31	17,853	289,022	2,785.814	15.1887	86	112.35	474.04	87.641	3.2192
32	16,886	271,169	2,748.859	15.0592	87	89.481	361.688	70.625	3.0421
33	15,969	254,283	2,712.463	14.9236	88	70.162	272.206	55.971	2.8797
34	15,100	238,314	2,676.183	14.7822	89	54.182	202.045	43.648	2.7290
35	14,277	223,214	2,640.106	14.6347	90	41.252	147.863	33.543	2.5844
36	13,496	208,937	2,603.873	14.4810	91	30.955	106.611	25.397	2.4441
37	12,756	195,441	2,566.907	14.3218	92	22.846	75.656	18.902	2.3116
38	12,053	182,685	2,529.255	14.1567	93	16.564	52.810	13.811	2.1882
39	11,386	170,632	2,490.590	13.9860	94	11.776	36.246	9.886	2.0780
40	10,753	159,246	2,450.770	13.8099	95	8.1952	24.4702	6.9195	1.9859
41	10,151	148,493	2,409.909	13.6281	96	5.5946	16.2750	4.7461	1.9091
42	9,580.3	138,342.0	2,368.117	13.4403	97	3.7592	10.6804	3.2024	1.8411
43	9,037.8	128,761.8	2,325.103	13.2470	98	2.4895	6.9211	2.1287	1.7801
44	8,522.3	119,724.0	2,280.728	13.0484	99	1.6264	4.4316	1.3954	1.7248
45	8,032.0	111,201.7	2,234.801	12.8448	100	1.0498	2.8052	.9036	1.6721
46	7,565.9	103,169.7	2,187.351	12.6362	101	.66786	1.75541	.57634	1.6284
47	7,122.6	95,603.8	2,138.498	12.4226	102	.42061	1.08754	.36391	1.5856
48	6,701.1	88,481.2	2,088.289	12.2041	103	.26176	.66693	.22699	1.5478
49	6,300.1	81,780.2	2,036.706	11.9807	104	.16032	.40517	.13919	1.5272
50	5,918.7	75,480.0	1,983.756	11.7527	105	.09769	.24484	.08492	1.5064
51	5,555.9	69,561.3	1,929.460	11.5203	106	.05830	.14715	.05063	1.5240
52	5,210.4	64,005.4	1,873.670	11.2841	107	.03575	.08885	.03112	1.4849
53	4,881.5	58,795.0	1,816.337	11.0445	108	.02156	.05309	.01880	1.4617
54	4,568.0	53,913.5	1,757.330	10.8025	109	.01168	.03152	.01003	1.4597

TABLE 7. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 6 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,668,337	5,565.852	15.6834	55	3,291.6	36,576.4	1,221.239	10.1120
1	92,222	1,568,337	3,447.927	16.0062	56	3,057.7	33,284.8	1,173.629	9.8857
2	86,886	1,476,115	3,332.228	15.9891	57	2,836.3	30,227.1	1,125.285	9.6574
3	81,891	1,389,229	3,254.983	15.9645	58	2,626.8	27,390.9	1,076.407	9.4273
4	77,196	1,307,338	3,195.576	15.9353	59	2,428.9	24,764.0	1,027.179	9.1955
5	72,779	1,230,143	3,148.498	15.9024	60	2,242.0	22,335.1	977.736	8.9622
6	68,620	1,157,363	3,109.021	15.8662	61	2,065.6	20,093.1	928.261	8.7275
7	64,701	1,088,743	3,073.772	15.8274	62	1,899.3	18,027.5	878.915	8.4915
8	61,007	1,024,042	3,042.402	15.7856	63	1,742.8	16,128.2	829.843	8.2544
9	57,527	963,035	3,015.766	15.7405	64	1,595.5	14,385.4	781.195	8.0164
10	54,249	905,508	2,993.431	15.6918	65	1,457.0	12,790.0	733.013	7.7784
11	51,160	851,260	2,975.520	15.6392	66	1,326.9	11,333.0	685.421	7.5409
12	48,247	800,100	2,958.623	15.5833	67	1,204.9	10,006.1	638.527	7.3044
13	45,498	751,852	2,939.869	15.5251	68	1,090.8	8,801.2	592.576	7.0689
14	42,897	706,355	2,914.658	15.4663	69	984.25	7,710.41	547.808	6.8338
15	40,435	663,458	2,880.442	15.4081	70	885.23	6,726.16	504.508	6.5982
16	38,103	623,023	2,837.141	15.3512	71	793.43	5,840.93	462.812	6.3616
17	35,895	584,920	2,786.264	15.2953	72	708.52	5,047.50	422.814	6.1240
18	33,806	549,026	2,729.509	15.2403	73	630.04	4,338.97	384.440	5.8868
19	31,834	515,219	2,670.677	15.1845	74	557.57	3,708.93	347.635	5.6519
20	29,973	483,385	2,611.123	15.1276	75	490.75	3,151.36	312.369	5.4215
21	28,216	453,413	2,551.409	15.0692	76	429.34	2,660.61	278.741	5.1970
22	26,559	425,196	2,491.190	15.0096	77	373.23	2,231.27	246.927	4.9783
23	24,997	398,637	2,432.286	14.9476	78	322.30	1,858.04	217.126	4.7650
24	23,526	373,641	2,376.716	14.8819	79	276.48	1,535.74	189.553	4.5546
25	22,144	350,114	2,326.388	14.8107	80	235.56	1,259.26	164.278	4.3459
26	20,845	327,970	2,281.107	14.7334	81	199.19	1,023.71	141.245	4.1393
27	19,625	307,125	2,240.463	14.6498	82	167.01	824.51	120.340	3.9369
28	18,477	287,500	2,203.685	14.5597	83	138.76	657.50	101.539	3.7385
29	17,397	269,023	2,169.173	14.4639	84	114.19	518.75	84.829	3.5428
30	16,379	251,626	2,135.918	14.3628	85	93.008	404.556	70.109	3.3497
31	15,419	235,247	2,103.395	14.2567	86	74.817	311.547	57.182	3.1641
32	14,515	219,828	2,071.629	14.1452	87	59.304	236.731	45.904	2.9918
33	13,662	205,313	2,040.491	14.0281	88	46.281	177.427	36.238	2.8337
34	12,858	191,651	2,009.599	13.9055	89	35.571	131.146	28.148	2.6869
35	12,099	178,793	1,979.024	13.7770	90	26.955	95.575	21.545	2.5457
36	11,384	166,694	1,948.462	13.6429	91	20.131	68.620	16.247	2.4086
37	10,709	155,310	1,917.429	13.5033	92	14.788	48.488	12.043	2.2790
38	10,071	144,601	1,885.968	13.3583	93	10.671	33.701	8.764	2.1581
39	9,468.7	134,530.4	1,853.815	13.2078	94	7.5503	23.0298	6.2468	2.0502
40	8,899.8	125,061.6	1,820.857	13.0522	95	5.2298	15.4795	4.3536	1.9599
41	8,362.4	116,161.8	1,787.196	12.8910	96	3.5534	10.2497	2.9732	1.8845
42	7,854.8	107,799.4	1,752.931	12.7240	97	2.3764	6.6963	1.9974	1.8178
43	7,375.1	99,944.6	1,717.830	12.5517	98	1.5663	4.3199	1.3218	1.7580
44	6,921.6	92,569.6	1,681.790	12.3741	99	1.0184	2.7536	.8626	1.7037
45	6,492.7	85,648.0	1,644.666	12.1915	100	.65428	1.73512	.55606	1.6519
46	6,087.0	79,155.3	1,606.490	12.0040	101	.41427	1.08083	.35310	1.6090
47	5,703.3	73,068.3	1,567.372	11.8116	102	.25967	.66656	.22194	1.5669
48	5,340.5	67,365.0	1,527.357	11.6141	103	.16084	.40688	.13781	1.5296
49	4,997.3	62,024.5	1,486.442	11.4117	104	.09804	.24603	.08412	1.5093
50	4,672.6	57,027.3	1,444.640	11.2046	105	.05946	.14798	.05108	1.4887
51	4,365.5	52,354.7	1,401.978	10.9930	106	.03532	.08852	.03030	1.5063
52	4,074.7	47,989.2	1,358.348	10.7773	107	.02156	.05320	.01854	1.4676
53	3,799.5	43,914.5	1,313.723	10.5581	108	.01294	.03164	.01115	1.4446
54	3,538.7	40,115.1	1,268.013	10.3362	109	.00697	.01869	.00591	1.6798

TABLE 8. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 6.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,557,279	4,954.807	14.5728	55	2,541.0	27,181.0	882.049	9.6970
1	91,789	1,457,279	2,846.826	14.8764	56	2,349.3	24,640.0	845.469	9.4881
2	86,072	1,365,490	2,732.210	14.8645	57	2,169.0	22,290.7	808.498	9.2771
3	80,743	1,279,418	2,656.048	14.8456	58	1,999.4	20,121.7	771.296	9.0640
4	75,756	1,198,676	2,597.749	14.8228	59	1,840.1	18,122.3	734.002	8.8488
5	71,087	1,122,919	2,551.766	14.7965	60	1,690.5	16,282.3	696.722	8.6318
6	66,710	1,051,833	2,513.387	14.7673	61	1,550.2	14,591.8	659.593	8.4130
7	62,604	985,123	2,479.282	14.7357	62	1,418.7	13,041.6	622.734	8.1926
8	58,753	922,519	2,449.070	14.7016	63	1,295.6	11,622.9	586.252	7.9708
9	55,142	863,766	2,423.539	14.6645	64	1,180.6	10,327.3	550.255	7.7478
10	51,755	808,624	2,402.230	14.6241	65	1,073.0	9,146.7	514.770	7.5243
11	48,579	756,869	2,385.223	14.5801	66	972.65	8,073.70	479.884	7.3008
12	45,598	708,290	2,369.254	14.5333	67	879.07	7,101.05	445.672	7.0779
13	42,798	662,692	2,351.613	14.4843	68	792.05	6,221.98	412.304	6.8555
14	40,162	619,894	2,328.009	14.4349	69	711.35	5,429.93	379.949	6.6332
15	37,679	579,732	2,296.125	14.3861	70	636.79	4,718.58	348.801	6.4100
16	35,339	542,053	2,255.965	14.3387	71	568.07	4,081.79	318.948	6.1853
17	33,135	506,714	2,209.000	14.2923	72	504.90	3,513.72	290.445	5.9593
18	31,061	473,579	2,156.854	14.2469	73	446.86	3,008.82	263.228	5.7332
19	29,111	442,518	2,103.054	14.2010	74	393.61	2,561.96	237.246	5.5089
20	27,280	413,407	2,048.849	14.1541	75	344.81	2,168.35	212.468	5.2886
21	25,561	386,127	1,994.754	14.1060	76	300.25	1,823.54	188.951	5.0735
22	23,947	360,566	1,940.458	14.0569	77	259.78	1,523.29	166.807	4.8638
23	22,432	336,619	1,887.596	14.0059	78	223.28	1,263.51	146.162	4.6589
24	21,014	314,186	1,837.961	13.9515	79	190.64	1,040.24	127.150	4.4566
25	19,686	293,173	1,793.219	13.8922	80	161.66	849.60	109.805	4.2555
26	18,445	273,486	1,753.153	13.8273	81	136.06	687.94	94.072	4.0562
27	17,283	255,042	1,717.358	13.7566	82	113.54	551.88	79.860	3.8606
28	16,196	237,758	1,685.120	13.6799	83	93.891	438.338	67.138	3.6686
29	15,178	221,562	1,655.011	13.5980	84	76.906	344.447	55.883	3.4788
30	14,222	206,385	1,626.134	13.5113	85	62.345	267.541	46.016	3.2913
31	13,326	192,162	1,598.027	13.4198	86	49.916	205.196	37.592	3.1109
32	12,486	178,836	1,570.701	13.3234	87	39.380	155.280	29.903	2.9431
33	11,697	166,350	1,544.042	13.2218	88	30.588	115.900	23.514	2.7891
34	10,957	154,654	1,517.718	13.1150	89	23.399	85.312	18.193	2.6459
35	10,262	143,697	1,491.786	13.0028	90	17.648	61.912	13.870	2.5081
36	9,609.9	133,434.8	1,465.986	12.8851	91	13.119	44.264	10.417	2.3741
37	8,997.3	123,824.9	1,439.913	12.7624	92	9.5912	31.1455	7.6903	2.2473
38	8,421.9	114,827.6	1,413.604	12.6345	93	6.8888	21.5543	5.5733	2.1289
39	7,881.1	106,405.8	1,386.841	12.5014	94	4.8513	14.6655	3.9562	2.0230
40	7,372.8	98,524.7	1,359.538	12.3633	95	3.3445	9.8143	2.7455	1.9345
41	6,895.0	91,151.9	1,331.784	12.2199	96	2.2617	6.4698	1.8669	1.8605
42	6,446.1	84,256.8	1,303.664	12.0710	97	1.5055	4.2080	1.2487	1.7951
43	6,024.0	77,810.7	1,274.993	11.9168	98	.98764	2.70255	.82269	1.7364
44	5,627.0	71,786.7	1,245.694	11.7575	99	.63915	1.71491	.53448	1.6831
45	5,253.6	66,159.7	1,215.655	11.5933	100	.40868	1.07575	.34303	1.6322
46	4,902.2	60,906.1	1,184.910	11.4243	101	.25755	.66706	.21684	1.5900
47	4,571.6	56,003.9	1,153.553	11.2503	102	.16068	.40951	.13569	1.5485
48	4,260.7	51,432.3	1,121.629	11.0714	103	.09906	.24882	.08387	1.5118
49	3,968.2	47,171.6	1,089.140	10.8875	104	.06010	.14976	.05096	1.4919
50	3,692.9	43,203.5	1,056.102	10.6990	105	.03627	.08966	.03080	1.4715
51	3,434.0	39,510.5	1,022.543	10.5057	106	.02144	.05338	.01818	1.4490
52	3,190.2	36,076.5	988.383	10.3084	107	.01303	.03193	.01108	1.4308
53	2,960.8	32,886.3	953.609	10.1074	108	.00778	.01890	.00663	1.4279
54	2,744.6	29,925.5	918.156	9.9034	109	.00417	.01111	.00349	1.4613

TABLE 9. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 7 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,460,060	4,482.048	13.6006	55	1,963.9	20,249.2	639.196	9.3107
1	91,360	1,360,060	2,383.917	13.8869	56	1,807.3	18,285.3	611.056	9.1175
2	85,269	1,268,700	2,270.370	13.8787	57	1,660.7	16,478.0	582.748	8.9220
3	79,616	1,183,431	2,195.271	13.8642	58	1,523.7	14,817.3	554.396	8.7242
4	74,350	1,103,815	2,138.054	13.8462	59	1,395.8	13,293.5	526.107	8.5241
5	69,441	1,029,465	2,093.136	13.8250	60	1,276.3	11,897.7	497.960	8.3219
6	64,861	960,023	2,055.821	13.8012	61	1,164.9	10,621.4	470.058	8.1177
7	60,585	895,162	2,022.815	13.7754	62	1,061.1	9,456.5	442.489	7.9117
8	56,592	834,577	1,993.714	13.7472	63	964.56	8,395.36	415.329	7.7038
9	52,865	777,985	1,969.237	13.7163	64	874.78	7,430.80	388.656	7.4945
10	49,387	725,120	1,948.903	13.6825	65	791.38	6,556.02	362.485	7.2843
11	46,140	675,733	1,932.750	13.6454	66	714.00	5,764.64	336.876	7.0737
12	43,106	629,593	1,917.654	13.6057	67	642.29	5,050.64	311.878	6.8634
13	40,269	586,487	1,901.055	13.5641	68	576.01	4,408.34	287.612	6.6533
14	37,613	546,218	1,878.950	13.5221	69	514.91	3,832.33	264.192	6.4428
15	35,122	508,605	1,849.229	13.4809	70	458.78	3,317.43	241.752	6.2310
16	32,787	473,483	1,811.968	13.4410	71	407.36	2,858.65	220.344	6.0175
17	30,599	440,695	1,768.597	13.4022	72	360.37	2,451.29	200.001	5.8022
18	28,549	410,096	1,720.667	13.3644	73	317.45	2,090.92	180.665	5.5865
19	26,632	381,547	1,671.449	13.3264	74	278.32	1,773.47	162.294	5.3722
20	24,841	354,914	1,622.091	13.2876	75	242.67	1,495.15	144.855	5.1613
21	23,167	330,074	1,573.064	13.2478	76	210.32	1,252.48	128.382	4.9551
22	21,602	306,907	1,524.084	13.2073	77	181.12	1,042.16	112.943	4.7539
23	20,141	285,305	1,476.621	13.1651	78	154.95	861.04	98.616	4.5570
24	18,779	265,163	1,432.263	13.1199	79	131.68	706.10	85.484	4.3623
25	17,511	246,384	1,392.465	13.0702	80	111.14	574.42	73.559	4.1685
26	16,330	228,873	1,356.993	13.0155	81	93.102	463.279	62.794	3.9761
27	15,230	212,543	1,325.451	12.9554	82	77.331	370.178	53.114	3.7869
28	14,205	197,313	1,297.175	12.8899	83	63.648	292.846	44.490	3.6010
29	13,250	183,107	1,270.890	12.8196	84	51.891	229.198	36.896	3.4169
30	12,358	169,857	1,245.799	12.7448	85	41.870	177.307	30.270	3.2347
31	11,525	157,499	1,221.489	12.6657	86	33.365	135.438	24.505	3.0592
32	10,748	145,974	1,197.968	12.5819	87	26.200	102.072	19.523	2.8958
33	10,022	135,227	1,175.127	12.4933	88	20.256	75.872	15.292	2.7457
34	9,343.6	125,204.9	1,152.677	12.4000	89	15.423	55.616	11.784	2.6061
35	8,710.4	115,861.2	1,130.667	12.3015	90	11.578	40.193	8.948	2.4716
36	8,118.7	107,150.8	1,108.870	12.1980	91	8.5660	28.6155	6.6940	2.3406
37	7,565.7	99,032.1	1,086.946	12.0896	92	6.2334	20.0495	4.9218	2.2164
38	7,048.7	91,466.4	1,064.926	11.9763	93	4.4562	13.8161	3.5523	2.1004
39	6,565.3	84,417.7	1,042.632	11.8582	94	3.1235	9.3599	2.5112	1.9966
40	6,113.1	77,852.4	1,019.993	11.7353	95	2.1433	6.2363	1.7353	1.9097
41	5,690.3	71,739.3	997.088	11.6073	96	1.4426	4.0930	1.1749	1.8372
42	5,295.0	66,049.0	973.990	11.4740	97	.95578	2.65039	.78239	1.7730
43	4,925.1	60,754.0	950.550	11.3356	98	.62409	1.69460	.51323	1.7153
44	4,579.1	55,828.9	926.707	11.1922	99	.40199	1.07050	.33196	1.6630
45	4,255.2	51,249.8	902.376	11.0441	100	.25584	.66851	.21210	1.6130
46	3,952.0	46,994.7	877.591	10.8913	101	.16048	.41266	.13348	1.5714
47	3,668.3	43,042.7	852.430	10.7337	102	.09965	.25218	.08315	1.5306
48	3,402.8	39,374.4	826.934	10.5711	103	.06114	.15253	.05116	1.4945
49	3,154.4	35,971.5	801.107	10.4037	104	.03692	.09138	.03094	1.4748
50	2,921.9	32,817.1	774.967	10.2315	105	.02218	.05445	.01862	1.4547
51	2,704.3	29,895.3	748.539	10.0547	106	.01305	.03227	.01094	1.4721
52	2,500.6	27,191.0	721.764	9.8737	107	.00789	.01921	.00663	1.4343
53	2,309.9	24,690.3	694.634	9.6890	108	.00469	.01132	.00395	1.4116
54	2,131.2	22,380.5	667.104	9.5011	109	.00250	.00662	.00207	1.6433

TABLE 10. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 7.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,374,395	4,111.998	12.7439	55	1,519.7	15,121.7	464.718	8.9503
1	90,935	1,274,395	2,623.626	13.0144	56	1,392.0	13,602.0	443.043	8.7714
2	84,478	1,183,460	1,911.133	13.0091	57	1,273.2	12,210.0	421.341	8.5900
3	78,510	1,098,982	1,837.077	12.9979	58	1,162.7	10,936.8	399.706	8.4061
4	72,977	1,020,471	1,780.916	12.9835	59	1,060.1	9,774.0	378.220	8.2197
5	67,841	947,495	1,737.033	12.9663	60	964.89	8,713.92	356.941	8.0310
6	63,072	879,654	1,700.747	12.9468	61	876.58	7,749.03	335.945	7.8401
7	58,640	816,582	1,668.801	12.9254	62	794.77	6,872.45	315.297	7.6471
8	54,520	757,942	1,640.766	12.9020	63	719.07	6,077.68	295.049	7.4521
9	50,693	703,422	1,617.295	12.8760	64	649.11	5,358.61	275.257	7.2553
10	47,137	652,728	1,597.887	12.8475	65	584.50	4,709.50	255.928	7.0573
11	43,833	605,591	1,582.542	12.8158	66	524.89	4,125.00	237.101	6.8588
12	40,761	561,758	1,568.267	12.7819	67	469.98	3,600.11	218.810	6.6601
13	37,901	520,997	1,552.644	12.7462	68	419.52	3,130.13	201.137	6.4612
14	35,236	483,096	1,531.935	12.7102	69	373.27	2,710.61	184.159	6.2618
15	32,750	447,860	1,504.222	12.6750	70	331.04	2,337.34	167.967	6.0607
16	30,431	415,110	1,469.639	12.6411	71	292.57	2,006.30	152.592	5.8576
17	28,268	384,679	1,429.573	12.6085	72	257.61	1,713.73	138.049	5.6524
18	26,251	356,411	1,385.501	12.5768	73	225.88	1,456.12	124.291	5.4464
19	24,375	330,160	1,340.455	12.5451	74	197.11	1,230.24	111.280	5.2414
20	22,629	305,785	1,295.491	12.5128	75	171.07	1,033.13	98.987	5.0394
21	21,006	283,156	1,251.036	12.4797	76	147.57	862.07	87.429	4.8416
22	19,496	262,150	1,206.831	12.4461	77	126.49	714.49	76.646	4.6484
23	18,093	242,653	1,164.194	12.4111	78	107.71	588.00	66.687	4.4591
24	16,791	224,560	1,124.532	12.3734	79	91.109	480.288	57.601	4.2716
25	15,585	207,768	1,089.112	12.3317	80	76.540	389.179	49.388	4.0847
26	14,466	192,184	1,057.689	12.2853	81	63.820	312.639	42.008	3.8987
27	13,429	177,718	1,029.877	12.2341	82	52.763	248.819	35.404	3.7158
28	12,467	164,289	1,005.062	12.1778	83	43.225	196.056	29.547	3.5357
29	11,574	151,822	982.101	12.1171	84	35.076	152.830	24.414	3.3571
30	10,745	140,248	960.284	12.0524	85	28.171	117.754	19.955	3.1800
31	9,974.3	129,502.6	939.247	11.9836	86	22.345	89.583	16.095	3.0091
32	9,258.2	119,528.3	918.984	11.9106	87	17.465	67.238	12.774	2.8500
33	8,592.7	110,270.1	899.401	11.8331	88	13.439	49.774	9.967	2.7036
34	7,974.0	101,677.5	880.242	11.7511	89	10.185	36.335	7.650	2.5674
35	7,399.0	93,703.4	861.545	11.6643	90	7.6103	26.1494	5.7860	2.4360
36	6,864.4	86,304.4	843.116	11.5728	91	5.6045	18.5391	4.3110	2.3079
37	6,367.0	79,440.1	824.665	11.4769	92	4.0593	12.9346	3.1569	2.1864
38	5,904.3	73,073.1	806.221	11.3762	93	2.8885	8.8753	2.2693	2.0726
39	5,473.8	67,168.7	787.633	11.2709	94	2.0152	5.9868	1.5975	1.9708
40	5,073.1	61,694.9	768.846	11.1611	95	1.3764	3.9716	1.0993	1.8855
41	4,700.3	56,621.8	749.926	11.0465	96	.92212	2.59520	.74106	1.8144
42	4,353.4	51,921.5	730.935	10.9267	97	.60808	1.67307	.49136	1.7514
43	4,030.5	47,568.1	711.753	10.8022	98	.39521	1.06498	.32091	1.6947
44	3,729.8	43,537.7	692.332	10.6728	99	.25338	.66977	.20665	1.6433
45	3,449.9	39,807.8	672.606	10.5388	100	.16051	.41638	.13146	1.5941
46	3,189.2	36,357.9	652.604	10.4003	101	.10021	.25587	.08236	1.5533
47	2,946.5	33,168.7	632.394	10.2570	102	.06194	.15566	.05107	1.5131
48	2,720.5	30,222.2	612.010	10.1089	103	.03783	.09372	.03129	1.4775
49	2,510.2	27,501.7	591.458	9.9561	104	.02273	.05589	.01883	1.4481
50	2,314.3	24,991.5	570.753	9.7985	105	.01359	.03315	.01128	1.4238
51	2,132.0	22,677.2	549.917	9.6363	106	.00796	.01955	.00659	1.4055
52	1,962.3	20,545.1	528.906	9.4700	107	.00479	.01159	.00398	1.3918
53	1,804.2	18,582.8	507.716	9.2998	108	.00283	.00679	.00236	1.3797
54	1,656.9	16,778.6	486.313	9.1264	109	.00150	.00396	.00123	1.3625

TABLE 11. UNITED STATES TOTAL MALES: 1969-71--ACTUARIAL FUNCTIONS AT 8 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,298,445	3,818.866	11.9845	55	1,177.4	11,319.2	338.938	8.6137
1	90,514	1,198,445	1,740.162	12.2405	56	1,073.5	10,141.8	322.224	8.4477
2	83,698	1,107,931	1,628.708	12.2373	57	977.29	9,068.34	305.565	8.2790
3	77,425	1,024,234	1,555.675	12.2287	58	888.37	8,091.04	289.035	8.1077
4	71,635	946,809	1,500.548	12.2172	59	806.23	7,202.67	272.695	7.9338
5	66,285	875,174	1,457.671	12.2031	60	730.40	6,396.45	256.588	7.7575
6	61,340	808,889	1,422.382	12.1870	61	660.48	5,666.05	240.768	7.5787
7	56,765	747,549	1,391.457	12.1691	62	596.06	5,005.57	225.282	7.3977
8	52,534	690,783	1,364.444	12.1494	63	536.80	4,409.51	210.167	7.2145
9	48,620	638,250	1,341.932	12.1274	64	482.33	3,872.71	195.460	7.0292
10	45,000	589,630	1,323.405	12.1030	65	432.30	3,390.38	181.164	6.8426
11	41,652	544,630	1,308.823	12.0758	66	386.42	2,958.08	167.304	6.6551
12	38,553	502,979	1,295.321	12.0464	67	344.39	2,571.66	153.901	6.4672
13	35,683	464,426	1,280.613	12.0155	68	305.99	2,227.26	141.010	6.2788
14	33,020	428,743	1,261.206	11.9844	69	271.00	1,921.27	128.683	6.0896
15	30,548	395,723	1,235.357	11.9541	70	239.22	1,650.27	116.982	5.8984
16	28,253	365,175	1,203.249	11.9251	71	210.44	1,411.05	105.923	5.7051
17	26,123	336,922	1,166.222	11.8973	72	184.44	1,200.60	95.510	5.5093
18	24,148	310,798	1,125.681	11.8707	73	160.98	1,016.16	85.706	5.3125
19	22,318	286,651	1,084.437	11.8440	74	139.82	855.18	76.476	5.1162
20	20,624	264,333	1,043.458	11.8170	75	120.79	715.36	67.796	4.9225
21	19,056	243,709	1,003.131	11.7893	76	103.72	594.57	59.673	4.7327
22	17,604	224,653	963.216	11.7613	77	88.490	490.858	52.130	4.5471
23	16,262	207,049	924.895	11.7322	78	75.000	402.368	45.195	4.3649
24	15,022	190,787	889.412	11.7007	79	63.147	327.368	38.898	4.1842
25	13,878	175,766	857.873	11.6655	80	52.804	264.221	33.232	4.0038
26	12,822	161,888	830.021	11.6261	81	43.825	211.417	28.164	3.8241
27	11,847	149,066	805.484	11.5822	82	36.064	167.592	23.650	3.6470
28	10,948	137,219	783.693	11.5336	83	29.408	131.528	19.665	3.4725
29	10,117	126,271	763.622	11.4810	84	23.754	102.120	16.189	3.2991
30	9,348.6	116,153.8	744.641	11.4247	85	18.989	78.366	13.184	3.1269
31	8,637.9	106,805.1	726.422	11.3647	86	14.992	59.377	10.594	2.9606
32	7,980.6	98,167.2	708.956	11.3007	87	11.664	44.385	8.376	2.8055
33	7,372.6	90,186.6	692.153	11.2326	88	8.9336	32.7215	6.5098	2.6627
34	6,810.2	82,814.0	675.791	11.1604	89	6.7392	23.7879	4.9771	2.5298
35	6,289.8	76,003.8	659.896	11.0836	90	5.0122	17.0487	3.7493	2.4015
36	5,808.3	69,714.0	644.303	11.0025	91	3.6740	12.0365	2.7824	2.2761
37	5,362.5	63,905.7	628.763	10.9171	92	2.6488	8.3625	2.0294	2.1571
38	4,949.8	58,543.2	613.300	10.8273	93	1.8761	5.7137	1.4528	2.0456
39	4,567.7	53,593.4	597.789	10.7332	94	1.3028	3.8376	1.0185	1.9456
40	4,213.7	49,025.7	582.185	10.6348	95	.88569	2.53482	.69793	1.8620
41	3,885.9	44,812.0	566.543	10.5318	96	.59063	1.64913	.46848	1.7921
42	3,582.5	40,926.0	550.915	10.4240	97	.38768	1.05849	.30928	1.7303
43	3,301.4	37,343.6	535.202	10.3115	98	.25080	.67080	.20111	1.6746
44	3,041.0	34,042.2	519.368	10.1944	99	.16005	.41999	.12894	1.6241
45	2,799.7	31,001.2	503.360	10.0729	100	.10091	.25994	.08166	1.5758
46	2,576.2	28,201.4	487.203	9.9469	101	.06271	.15902	.05093	1.5356
47	2,369.1	25,625.2	470.953	9.8164	102	.03858	.09630	.03145	1.4960
48	2,177.3	23,256.1	454.639	9.6811	103	.02345	.05772	.01918	1.4609
49	1,999.7	21,078.8	438.267	9.5412	104	.01403	.03426	.01149	1.4417
50	1,835.1	19,079.1	421.849	9.3967	105	.00835	.02023	.00685	1.4221
51	1,682.7	17,244.0	405.404	9.2476	106	.00487	.01187	.00399	1.4039
52	1,541.6	15,561.3	388.898	9.0943	107	.00291	.00700	.00239	1.4024
53	1,410.8	14,019.7	372.328	8.9372	108	.00171	.00409	.00141	1.3800
54	1,289.7	12,608.9	355.669	8.7769	109	.00090	.00237	.00073	1.6083

TABLE 12. UNITED STATES TOTAL FEMALES: 1969-71--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	2,972,583	13,419.908	28.7258	55	17,525	301,010	8,757.971	16.1758
1	95,392	2,872,583	11,724.762	29.1134	56	16,884	283,485	8,627.302	15.7900
2	92,505	2,777,191	11,616.364	29.0219	57	16,256	266,601	8,491.351	15.3997
3	89,742	2,684,686	11,547.728	28.9154	58	15,642	250,345	8,350.177	15.0049
4	87,076	2,594,943	11,495.307	28.8008	59	15,040	234,703	8,204.198	14.6050
5	84,497	2,507,867	11,452.177	28.6800	60	14,451	219,663	8,052.965	14.2006
6	82,001	2,423,370	11,417.003	28.5531	61	13,874	205,212	7,896.745	13.7913
7	79,582	2,341,369	11,386.918	28.4208	62	13,308	191,338	7,735.155	13.3775
8	77,237	2,261,787	11,360.078	28.2836	63	12,753	178,030	7,567.399	12.9601
9	74,965	2,184,550	11,337.086	28.1410	64	12,207	165,277	7,392.766	12.5399
10	72,760	2,109,585	11,316.251	27.9936	65	11,669	153,070	7,210.482	12.1179
11	70,623	2,036,825	11,298.191	27.8407	66	11,139	141,402	7,020.429	11.6944
12	68,549	1,966,202	11,280.656	27.6833	67	10,616	130,263	6,822.387	11.2699
13	66,534	1,897,653	11,262.270	27.5217	68	10,101	119,646	6,615.776	10.8454
14	64,575	1,831,119	11,241.776	27.3563	69	9,591.3	109,545.6	6,400.613	10.4214
15	62,669	1,766,544	11,216.101	27.1886	70	9,087.7	99,954.3	6,176.435	9.9988
16	60,814	1,703,875	11,186.189	27.0180	71	8,590.8	90,866.6	5,944.195	9.5772
17	59,008	1,643,061	11,151.703	26.8448	72	8,100.5	82,275.8	5,704.077	9.1569
18	57,252	1,584,053	11,114.110	26.6683	73	7,615.6	74,175.4	5,455.117	8.7400
19	55,546	1,526,802	11,075.901	26.4872	74	7,134.8	66,559.8	5,196.128	8.3289
20	53,890	1,471,256	11,037.697	26.3012	75	6,657.3	59,425.0	4,926.489	7.9263
21	52,283	1,417,366	11,000.069	26.1097	76	6,183.9	52,767.7	4,646.934	7.5331
22	50,723	1,365,084	10,963.014	25.9127	77	5,716.2	46,583.9	4,359.398	7.1494
23	49,208	1,314,361	10,926.026	25.7101	78	5,255.9	40,867.6	4,065.581	6.7756
24	47,738	1,265,153	10,889.131	25.5019	79	4,804.8	35,611.7	3,767.545	6.4117
25	46,312	1,217,414	10,852.833	25.2875	80	4,364.8	30,807.0	3,467.476	6.0581
26	44,926	1,171,103	10,816.665	25.0671	81	3,936.9	26,442.2	3,166.749	5.7165
27	43,581	1,126,176	10,780.199	24.8407	82	3,522.8	22,505.3	2,867.341	5.3884
28	42,276	1,082,595	10,743.922	24.6079	83	3,125.7	18,982.5	2,572.783	5.0731
29	41,007	1,040,319	10,706.579	24.3692	84	2,748.8	15,856.8	2,286.971	4.7686
30	39,775	999,312	10,668.677	24.1242	85	2,394.5	13,108.0	2,012.726	4.4742
31	38,577	959,537	10,629.078	23.8734	86	2,062.5	10,713.4	1,750.484	4.1943
32	37,412	920,960	10,587.914	23.6167	87	1,752.9	8,650.9	1,500.922	3.9352
33	36,279	883,548	10,544.556	23.3543	88	1,469.0	6,898.0	1,268.051	3.6958
34	35,177	847,269	10,499.533	23.0857	89	1,214.2	5,429.1	1,056.080	3.4713
35	34,105	812,092	10,451.556	22.8117	90	990.18	4,214.86	867.414	3.2567
36	33,061	777,987	10,401.526	22.5316	91	795.34	3,224.68	701.421	3.0545
37	32,045	744,926	10,348.264	22.2461	92	627.70	2,429.34	556.938	2.8703
38	31,056	712,881	10,292.325	21.9548	93	486.03	1,801.64	433.558	2.7068
39	30,092	681,825	10,232.963	21.6581	94	369.24	1,315.61	330.919	2.5630
40	29,153	651,733	10,170.119	21.3559	95	275.36	946.37	247.798	2.4368
41	28,238	622,580	10,104.343	21.0478	96	201.63	671.01	182.090	2.3279
42	27,346	594,343	10,035.282	20.7340	97	145.16	469.38	131.487	2.2336
43	26,477	566,996	9,962.902	20.4144	98	102.90	324.22	93.453	2.1509
44	25,630	540,519	9,886.365	20.0896	99	71.923	221.323	65.477	2.0772
45	24,802	514,889	9,805.712	19.7596	100	49.639	149.400	45.288	2.0097
46	23,995	490,087	9,720.475	19.4247	101	33.796	99.761	30.890	1.9518
47	23,206	466,092	9,630.742	19.0848	102	22.757	65.965	20.836	1.8986
48	22,437	442,886	9,537.088	18.7394	103	15.142	43.207	13.884	1.8534
49	21,686	420,449	9,439.584	18.3883	104	9.9858	28.0651	9.1684	1.8105
50	20,952	398,764	9,337.620	18.0322	105	6.5082	18.0793	5.9816	1.7779
51	20,236	377,811	9,231.318	17.6707	106	4.2269	11.5711	3.8899	1.7375
52	19,535	357,576	9,120.156	17.3044	107	2.7077	7.3442	2.4938	1.7124
53	18,850	338,041	9,004.300	16.9331	108	1.7252	4.6365	1.5901	1.6876
54	18,180	319,191	8,883.508	16.5569	109	1.0767	2.9113	.9919	1.7039

TABLE 13. UNITED STATES TOTAL FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 3.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,654,060	10,249.182	25.5406	55	13,427	218,299	6,045.341	15.2577
1	94,931	2,554,060	8,562.225	25.9043	56	12,874	204,871	5,945.709	14.9139
2	91,614	2,459,129	8,454.871	25.8623	57	12,335	191,998	5,842.551	14.5650
3	88,448	2,367,515	8,387.226	25.7673	58	11,811	179,662	5,735.946	14.2108
4	85,406	2,279,067	8,335.811	25.6852	59	11,302	167,851	5,626.246	13.8510
5	82,475	2,193,661	8,293.712	25.5977	60	10,807	156,549	5,513.148	13.4858
6	79,652	2,111,185	8,259.545	25.5050	61	10,325	145,741	5,396.884	13.1149
7	76,930	2,031,533	8,230.463	25.4077	62	9,856.5	135,416.1	5,277.204	12.7388
8	74,302	1,954,603	8,204.643	25.3061	63	9,399.5	125,559.6	5,153.558	12.3581
9	71,768	1,880,301	8,182.631	25.1998	64	8,953.6	116,160.1	5,025.464	11.9736
10	69,321	1,808,533	8,162.782	25.0893	65	8,517.7	107,206.5	4,892.405	11.5863
11	66,960	1,739,213	8,145.658	24.9741	66	8,091.6	98,688.8	4,754.344	11.1964
12	64,679	1,672,253	8,129.113	24.8548	67	7,674.8	90,597.1	4,611.176	10.8044
13	62,474	1,607,574	8,111.849	24.7318	68	7,266.7	82,922.3	4,462.534	10.4113
14	60,342	1,545,100	8,092.698	24.6055	69	6,866.9	75,655.6	4,308.488	10.0174
15	58,278	1,484,757	8,068.822	24.4771	70	6,475.0	68,788.7	4,148.762	9.6238
16	56,280	1,426,479	8,041.141	24.3463	71	6,091.3	62,313.8	3,984.092	9.2299
17	54,345	1,370,200	8,009.380	24.2132	72	5,715.9	56,222.5	3,814.658	8.8361
18	52,472	1,315,855	7,974.925	24.0771	73	5,347.8	50,506.6	3,639.834	8.4444
19	50,663	1,263,383	7,940.074	23.9369	74	4,986.0	45,158.8	3,458.846	8.0572
20	48,915	1,212,720	7,905.397	23.7923	75	4,629.8	40,172.8	3,271.326	7.6770
21	47,227	1,163,804	7,871.407	23.6427	76	4,279.8	35,543.0	3,077.848	7.3049
22	45,597	1,116,577	7,838.098	23.4881	77	3,937.0	31,263.2	2,879.809	6.9408
23	44,022	1,070,981	7,805.008	23.3284	78	3,602.5	27,326.2	2,678.421	6.5853
24	42,500	1,026,959	7,772.161	23.1636	79	3,277.4	23,723.7	2,475.128	6.2386
25	41,031	984,459	7,740.002	22.9931	80	2,962.9	20,446.3	2,271.438	5.9009
26	39,611	943,428	7,708.113	22.8170	81	2,659.5	17,483.4	2,068.287	5.5739
27	38,240	903,816	7,676.117	22.6354	82	2,368.3	14,823.9	1,867.003	5.2593
28	36,915	865,576	7,644.439	22.4477	83	2,091.1	12,455.6	1,669.938	4.9564
29	35,634	828,661	7,611.989	22.2546	84	1,830.1	10,364.5	1,479.647	4.6632
30	34,397	793,027	7,579.212	22.0554	85	1,586.5	8,534.4	1,297.940	4.3792
31	33,199	758,630	7,545.133	21.8508	86	1,360.0	6,947.8	1,125.024	4.1088
32	32,041	725,431	7,509.878	21.6405	87	1,150.2	5,587.8	961.265	3.8580
33	30,921	693,390	7,472.924	21.4246	88	959.26	4,437.62	809.196	3.6261
34	29,837	662,469	7,434.735	21.2029	89	789.07	3,478.36	671.443	3.4082
35	28,788	632,632	7,394.239	20.9759	90	640.37	2,689.29	549.429	3.1996
36	27,772	603,844	7,352.213	20.7429	91	511.88	2,048.92	442.596	3.0027
37	26,788	576,072	7,307.688	20.5045	92	402.03	1,537.04	350.056	2.8232
38	25,836	549,284	7,261.151	20.2604	93	309.80	1,135.00	271.414	2.6637
39	24,913	523,448	7,212.006	20.0109	94	234.21	825.21	206.308	2.5233
40	24,019	498,535	7,160.228	19.7559	95	173.82	590.99	153.838	2.4000
41	23,153	474,516	7,106.297	19.4950	96	126.67	417.17	112.560	2.2934
42	22,313	451,363	7,049.946	19.2283	97	90.748	290.503	80.924	2.2012
43	21,500	429,050	6,991.172	18.9557	98	64.016	199.755	57.261	2.1204
44	20,711	407,549	6,929.323	18.6777	99	44.531	135.739	39.940	2.0482
45	19,946	386,838	6,864.462	18.3943	100	30.585	91.208	27.501	1.9821
46	19,203	366,892	6,796.247	18.1058	101	20.723	60.623	18.673	1.9254
47	18,482	347,689	6,724.780	17.8119	102	13.887	39.900	12.538	1.8732
48	17,783	329,207	6,650.551	17.5123	103	9.1954	26.0132	8.3157	1.8289
49	17,105	311,424	6,573.643	17.2067	104	6.0347	16.8178	5.4660	1.7868
50	16,446	294,319	6,493.606	16.8956	105	3.9141	10.7831	3.5494	1.7549
51	15,807	277,872	6,410.567	16.5788	106	2.5298	6.8690	2.2976	1.7152
52	15,186	262,065	6,324.151	16.2567	107	1.6127	4.3391	1.4660	1.6905
53	14,583	246,879	6,234.521	15.9291	108	1.0226	2.7264	.9304	1.6662
54	13,997	232,296	6,141.524	15.5962	109	.63513	1.70382	.57751	1.6426

TABLE 14. UNITED STATES TOTAL FEMALES: 1969-71--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	2,391,442	8,021.473	22.9144	55	10,301	158,849	4,191.395	14.4208
1	94,475	2,291,442	6,342.627	23.2545	56	9,828.7	148,548.1	4,115.329	14.1137
2	90,735	2,196,967	6,236.303	23.2130	57	9,372.3	138,719.4	4,036.949	13.8010
3	87,179	2,106,232	6,169.628	23.1600	58	8,931.2	129,347.1	3,956.341	13.4826
4	83,775	2,019,053	6,119.194	23.1009	59	8,505.2	120,415.8	3,873.790	13.1580
5	80,512	1,935,278	6,078.098	23.0372	60	8,093.3	111,910.7	3,789.091	12.8275
6	77,382	1,854,766	6,044.905	22.9689	61	7,695.4	103,817.3	3,702.440	12.4908
7	74,378	1,777,384	6,016.788	22.8967	62	7,310.7	96,121.9	3,613.672	12.1482
8	71,492	1,703,006	5,991.944	22.8209	63	6,938.2	88,811.2	3,522.403	11.8003
9	68,721	1,631,514	5,970.867	22.7410	64	6,577.3	81,873.0	3,428.307	11.4479
10	66,059	1,562,793	5,951.951	22.6574	65	6,227.0	75,295.7	3,331.031	11.0918
11	63,502	1,496,733	5,935.711	22.5697	66	5,887.1	69,068.7	3,230.586	10.7323
12	61,044	1,433,231	5,920.097	22.4785	67	5,557.0	63,181.6	3,126.924	10.3698
13	58,680	1,372,187	5,903.881	22.3841	68	5,236.2	57,624.7	3,019.817	10.0052
14	56,405	1,313,506	5,885.979	22.2869	69	4,924.3	52,388.5	2,909.350	9.6388
15	54,214	1,257,101	5,863.769	22.1878	70	4,620.9	47,464.2	2,795.360	9.2716
16	52,103	1,202,887	5,838.141	22.0867	71	4,326.2	42,843.3	2,678.407	8.9032
17	50,070	1,150,784	5,808.879	21.9836	72	4,040.1	38,517.1	2,558.649	8.5338
18	48,112	1,100,714	5,777.287	21.8780	73	3,761.7	34,477.0	2,435.675	8.1652
19	46,230	1,052,602	5,745.486	21.7687	74	3,490.3	30,715.3	2,308.977	7.8001
20	44,421	1,006,372	5,713.995	21.6555	75	3,225.5	27,225.0	2,178.338	7.4407
21	42,681	961,951	5,683.276	21.5379	76	2,967.3	23,999.5	2,044.196	7.0881
22	41,010	919,270	5,653.318	21.4158	77	2,716.5	21,032.3	1,907.552	6.7425
23	39,403	878,260	5,623.700	21.2892	78	2,473.7	18,315.8	1,769.265	6.4041
24	37,858	838,857	5,594.441	21.1579	79	2,239.7	15,842.1	1,630.342	6.0734
25	36,374	800,999	5,565.932	21.0214	80	2,015.0	13,602.4	1,491.816	5.7506
26	34,946	764,625	5,537.798	20.8799	81	1,800.0	11,587.4	1,354.321	5.4375
27	33,574	729,679	5,509.706	20.7333	82	1,595.2	9,787.4	1,218.745	5.1356
28	32,255	696,104	5,482.027	20.5811	83	1,401.7	8,192.2	1,086.648	4.8444
29	30,986	663,849	5,453.810	20.4238	84	1,220.9	6,790.5	959.705	4.5620
30	29,766	632,863	5,425.444	20.2610	85	1,053.3	5,569.6	839.072	4.2878
31	28,592	603,096	5,396.095	20.0931	86	898.53	4,516.34	724.827	4.0264
32	27,462	574,504	5,365.879	19.9198	87	756.30	3,617.81	617.151	3.7836
33	26,374	547,042	5,334.358	19.7414	88	627.70	2,861.51	517.644	3.5587
34	25,328	520,668	5,301.941	19.5573	89	513.85	2,233.81	427.937	3.3472
35	24,319	495,340	5,267.730	19.3682	90	415.01	1,719.95	348.862	3.1443
36	23,349	471,021	5,232.398	19.1734	91	330.15	1,304.94	279.958	2.9526
37	22,413	447,672	5,195.145	18.9735	92	258.05	974.79	220.560	2.7775
38	21,513	425,259	5,156.396	18.7680	93	197.89	716.74	170.325	2.6219
39	20,644	403,746	5,115.671	18.5572	94	148.89	518.85	128.936	2.4847
40	19,808	383,102	5,072.972	18.3411	95	109.97	369.96	95.741	2.3642
41	19,002	363,294	5,028.710	18.1192	96	79.751	259.987	69.752	2.2600
42	18,225	344,293	4,982.685	17.8915	97	56.861	180.236	49.929	2.1698
43	17,476	326,068	4,934.911	17.6581	98	39.919	123.375	35.174	2.0906
44	16,754	308,592	4,884.880	17.4192	99	27.635	83.456	24.425	2.0200
45	16,057	291,838	4,832.665	17.1749	100	18.889	55.821	16.742	1.9552
46	15,385	275,781	4,778.013	16.9253	101	12.737	36.932	11.316	1.8997
47	14,736	260,396	4,721.031	16.6704	102	8.4941	24.1955	7.5635	1.8485
48	14,111	245,660	4,662.132	16.4096	103	5.5975	15.7014	4.9936	1.8051
49	13,507	231,549	4,601.400	16.1427	104	3.6558	10.1039	3.2672	1.7638
50	12,925	218,042	4,538.502	15.8701	105	2.3598	6.4481	2.1118	1.7325
51	12,363	205,117	4,473.558	15.5916	106	1.5179	4.0883	1.3606	1.6934
52	11,820	192,755	4,406.298	15.3076	107	.96296	2.57041	.86410	1.6693
53	11,296	180,935	4,336.871	15.0177	108	.60764	1.60744	.54581	1.6454
54	10,790	169,639	4,265.183	14.7222	109	.37560	.99980	.33714	1.6619

TABLE 15. UNITED STATES TOTAL FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 4.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,172,618	6,442.298	20.7262	55	7,912.5	115,967.5	2,918.725	13.6562
1	94,023	2,072,618	4,771.484	21.0437	56	7,513.7	108,055.0	2,860.575	13.3811
2	89,869	1,978,595	4,666.175	21.0165	57	7,130.5	100,541.3	2,800.944	13.1002
3	85,933	1,888,726	4,600.453	20.9790	58	6,762.4	93,410.8	2,739.910	12.8133
4	82,183	1,802,793	4,550.978	20.9363	59	6,409.0	86,648.4	2,677.705	12.5199
5	78,604	1,720,610	4,510.855	20.8896	60	6,069.5	80,239.5	2,614.187	12.2202
6	75,187	1,642,006	4,478.604	20.8390	61	5,743.4	74,170.0	2,549.515	11.9139
7	71,922	1,566,819	4,451.415	20.7849	62	5,430.2	68,426.6	2,483.581	11.6012
8	68,801	1,494,896	4,427.507	20.7278	63	5,128.9	62,956.4	2,416.113	11.2827
9	65,818	1,426,095	4,407.320	20.6672	64	4,838.8	57,867.5	2,346.887	10.9591
10	62,966	1,360,277	4,389.290	20.6034	65	4,559.2	53,028.7	2,275.666	10.6311
11	60,239	1,297,311	4,373.885	20.5361	66	4,289.7	48,469.5	2,202.475	10.2991
12	57,630	1,237,073	4,359.143	20.4657	67	4,029.8	44,179.8	2,127.302	9.9633
13	55,133	1,179,442	4,343.908	20.3926	68	3,779.0	40,150.1	2,050.003	9.6247
14	52,742	1,124,309	4,327.169	20.3170	69	3,536.9	36,371.1	1,970.659	9.2834
15	50,451	1,071,567	4,306.500	20.2400	70	3,303.1	32,834.2	1,889.178	8.9405
16	48,254	1,021,116	4,282.765	20.1612	71	3,077.7	29,531.1	1,805.978	8.5953
17	46,149	972,862	4,255.794	20.0807	72	2,860.3	26,453.5	1,721.190	8.2484
18	44,133	926,712	4,226.815	19.9981	73	2,650.5	23,593.1	1,634.543	7.9013
19	42,204	882,579	4,197.784	19.9124	74	2,447.5	20,942.6	1,545.698	7.5566
20	40,358	840,376	4,169.173	19.8232	75	2,251.0	18,495.1	1,454.528	7.2165
21	38,592	800,018	4,141.398	19.7302	76	2,060.9	16,244.1	1,361.361	6.8822
22	36,903	761,426	4,114.440	19.6331	77	1,877.7	14,183.3	1,266.911	6.5536
23	35,287	724,523	4,087.915	19.5320	78	1,701.7	12,305.6	1,171.783	6.2314
24	33,742	689,236	4,061.837	19.4267	79	1,533.3	10,603.9	1,076.674	5.9157
25	32,264	655,494	4,036.550	19.3168	80	1,372.9	9,070.6	982.290	5.6069
26	30,849	623,230	4,011.714	19.2024	81	1,220.5	7,697.7	889.058	5.3068
27	29,496	592,381	3,987.034	19.0833	82	1,076.5	6,477.2	797.566	5.0169
28	28,202	562,885	3,962.834	18.9591	83	941.41	5,400.68	708.849	4.7368
29	26,963	534,683	3,938.281	18.8303	84	816.03	4,459.27	624.001	4.4646
30	25,777	507,720	3,913.717	18.6964	85	700.64	3,643.24	543.756	4.1999
31	24,642	481,943	3,888.422	18.5578	86	594.84	2,942.60	468.125	3.9469
32	23,555	457,301	3,862.505	18.4143	87	498.28	2,347.76	397.183	3.7117
33	22,514	433,746	3,835.598	18.2659	88	411.58	1,849.47	331.937	3.4936
34	21,517	411,232	3,808.059	18.1123	89	335.32	1,437.89	273.399	3.2882
35	20,561	389,715	3,779.135	17.9540	90	269.52	1,102.58	222.044	3.0908
36	19,646	369,154	3,749.405	17.7903	91	213.38	833.05	177.510	2.9040
37	18,769	349,508	3,718.210	17.6218	92	165.99	619.67	139.303	2.7332
38	17,928	330,740	3,685.917	17.4479	93	126.68	453.68	107.145	2.5813
39	17,122	312,811	3,652.140	17.2690	94	94.858	327.002	80.777	2.4473
40	16,350	295,689	3,616.894	17.0850	95	69.726	232.144	59.729	2.3294
41	15,609	279,339	3,580.534	16.8955	96	50.324	162.418	43.330	2.2275
42	14,900	263,729	3,542.906	16.7003	97	35.708	112.094	30.881	2.1392
43	14,219	248,830	3,504.035	16.4996	98	24.949	76.386	21.659	2.0617
44	13,566	234,611	3,463.523	16.2935	99	17.189	51.437	14.974	1.9925
45	12,940	221,044	3,421.444	16.0821	100	11.693	34.248	10.218	1.9290
46	12,339	208,104	3,377.612	15.8655	101	7.8466	22.5556	6.8753	1.8746
47	11,762	195,765	3,332.130	15.6436	102	5.2078	14.7090	4.5744	1.8244
48	11,209	184,003	3,285.343	15.4158	103	3.4155	9.5012	3.0063	1.7818
49	10,678	172,794	3,237.331	15.1819	104	2.2200	6.0857	1.9580	1.7413
50	10,169	162,116	3,187.844	14.9423	105	1.4261	3.8657	1.2597	1.7106
51	9,680.2	151,946.8	3,136.991	14.6967	106	.91294	2.43958	.80789	1.6722
52	9,210.9	142,266.6	3,084.578	14.4455	107	.57641	1.52664	.51067	1.6485
53	8,760.4	133,055.8	3,030.735	14.1883	108	.36198	.95022	.32106	1.6250
54	8,327.8	124,295.3	2,975.404	13.9253	109	.22268	.58824	.19735	1.6416

TABLE 16. UNITED STATES TOTAL FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,988,445	5,312.144	18.8844	55	6,085.6	84,930.2	2,041.262	12.9560
1	93,575	1,888,445	3,649.287	15.1810	56	5,751.3	78,844.7	1,996.752	12.7091
2	89,015	1,794,870	3,544.978	15.1637	57	5,432.0	73,093.4	1,951.325	12.4562
3	84,711	1,705,855	3,480.190	15.1373	58	5,127.0	67,661.5	1,905.051	12.1970
4	80,629	1,621,143	3,431.651	15.1062	59	4,835.9	62,534.4	1,858.114	11.9312
5	76,750	1,540,514	3,392.474	15.0718	60	4,558.0	57,698.5	1,810.414	11.6588
6	73,064	1,463,764	3,361.133	15.0339	61	4,292.6	53,140.5	1,762.079	11.3796
7	69,559	1,390,700	3,334.838	15.0932	62	4,039.1	48,847.9	1,713.035	11.0937
8	66,223	1,321,141	3,311.826	15.0498	63	3,796.8	44,808.8	1,663.089	10.8016
9	63,050	1,254,918	3,292.487	15.0034	64	3,565.0	41,012.0	1,612.087	10.5039
10	60,031	1,191,868	3,275.298	15.8542	65	3,343.1	37,446.9	1,559.863	10.2014
11	57,158	1,131,837	3,260.681	15.8020	66	3,130.4	34,103.9	1,506.451	9.8943
12	54,422	1,074,679	3,246.760	15.7472	67	2,926.8	30,973.4	1,451.854	9.5828
13	51,816	1,020,257	3,232.441	15.6900	68	2,731.5	28,046.7	1,395.980	9.2677
14	49,333	968,441	3,216.784	15.6307	69	2,544.4	25,315.1	1,338.901	8.9494
15	46,965	919,108	3,197.543	15.5702	70	2,364.9	22,770.7	1,280.564	8.6287
16	44,706	872,143	3,175.554	15.5083	71	2,193.0	20,405.9	1,221.280	8.3051
17	42,552	827,437	3,150.685	15.4451	72	2,028.4	18,212.9	1,161.152	7.9788
18	40,500	784,885	3,124.092	15.3801	73	1,870.7	16,184.4	1,099.997	7.6516
19	38,544	744,385	3,097.578	15.3124	74	1,719.2	14,313.8	1,037.591	7.3258
20	36,683	705,841	3,071.572	15.2416	75	1,573.6	12,594.6	973.856	7.0037
21	34,911	669,158	3,046.446	15.1675	76	1,433.8	11,021.0	909.036	6.6863
22	33,224	634,246	3,022.175	15.0898	77	1,300.2	9,587.1	843.635	6.3738
23	31,619	601,022	2,998.408	15.0086	78	1,172.7	8,286.9	778.079	6.0666
24	30,090	569,404	2,975.153	14.9236	79	1,051.6	7,114.3	712.848	5.7650
25	28,634	539,314	2,952.710	14.8345	80	937.12	6,062.63	648.423	5.4694
26	27,249	510,680	2,930.773	14.7413	81	829.16	5,125.51	585.086	5.1816
27	25,930	483,431	2,909.078	14.6440	82	727.82	4,296.35	523.229	4.9031
28	24,674	457,501	2,887.905	14.5421	83	633.46	3,568.54	463.532	4.6334
29	23,477	432,828	2,866.526	14.4360	84	546.48	2,935.07	406.712	4.3709
30	22,338	409,350	2,845.239	14.3252	85	466.97	2,388.60	353.229	4.1151
31	21,253	387,012	2,823.423	14.2101	86	394.57	1,921.63	303.061	3.8702
32	20,218	365,760	2,801.177	14.0905	87	328.95	1,527.06	256.229	3.6423
33	19,233	345,541	2,778.192	13.9665	88	270.41	1,198.11	213.361	3.4307
34	18,293	326,309	2,754.778	13.8376	89	219.26	927.70	175.083	3.2311
35	17,398	308,015	2,730.304	13.7044	90	175.40	708.44	141.663	3.0390
36	16,544	290,618	2,705.269	13.5661	91	138.20	533.04	112.820	2.8569
37	15,730	274,073	2,679.124	13.4233	92	106.99	394.84	88.192	2.6903
38	14,954	258,343	2,652.187	13.2756	93	81.269	287.844	67.562	2.5419
39	14,214	243,389	2,624.148	13.1231	94	60.564	206.575	50.727	2.4109
40	13,508	229,175	2,595.028	12.9657	95	44.305	146.012	37.353	2.2956
41	12,835	215,667	2,565.131	12.8031	96	31.825	101.706	26.982	2.1958
42	12,193	202,832	2,534.338	12.6351	97	22.474	69.882	19.147	2.1094
43	11,581	190,639	2,502.681	12.4617	98	15.628	47.407	13.370	2.0335
44	10,996	179,058	2,469.843	12.2833	99	10.715	31.780	9.202	1.9658
45	10,439	168,062	2,435.897	12.0997	100	7.2547	21.0640	6.2516	1.9035
46	9,906.6	157,622.8	2,400.706	11.9110	101	4.8451	13.8093	4.1876	1.8501
47	9,398.5	147,716.3	2,364.365	11.7171	102	3.2004	8.9642	2.7736	1.8009
48	8,913.7	138,317.8	2,327.158	11.5174	103	2.0890	5.7637	1.8145	1.7592
49	8,451.3	129,404.1	2,289.159	11.3118	104	1.3513	3.6748	1.1764	1.7194
50	8,009.8	120,952.8	2,250.178	11.1005	105	.86395	2.32344	.75331	1.6893
51	7,588.6	112,943.0	2,210.314	10.8833	106	.55043	1.45949	.48093	1.6515
52	7,186.3	105,354.4	2,169.421	10.6605	107	.34587	.90905	.30259	1.6282
53	6,802.3	98,168.1	2,127.613	10.4316	108	.21617	.56317	.18935	1.6052
54	6,435.6	91,365.8	2,084.854	10.1969	109	.13235	.34700	.11582	1.6218

TABLE 17. UNITED STATES TOTAL FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 5.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,831,958	4,495.055	17.3196	55	4,686.3	62,390.7	1,433.666	12.3135
1	93,132	1,731,958	2,840.079	17.5969	56	4,407.8	57,704.5	1,399.553	12.0913
2	88,173	1,638,827	2,736.757	17.5864	57	4,143.4	53,296.6	1,364.902	11.8630
3	83,513	1,550,654	2,672.886	17.5679	58	3,892.3	49,153.2	1,329.772	11.6284
4	79,111	1,467,141	2,625.260	17.5453	59	3,653.9	45,261.0	1,294.308	11.3871
5	74,949	1,388,030	2,587.003	17.5197	60	3,427.5	41,607.1	1,258.438	11.1391
6	71,011	1,313,081	2,556.543	17.4912	61	3,212.7	38,179.6	1,222.263	10.8841
7	67,284	1,242,070	2,531.108	17.4602	62	3,008.6	34,966.9	1,185.732	10.6221
8	63,754	1,174,786	2,508.953	17.4269	63	2,814.8	31,958.2	1,148.705	10.3537
9	60,412	1,111,033	2,490.424	17.3911	64	2,630.4	29,143.5	1,111.073	10.0795
10	57,246	1,050,621	2,474.032	17.3528	65	2,454.9	26,513.1	1,072.724	9.8000
11	54,247	993,375	2,460.160	17.3119	66	2,287.9	24,058.1	1,033.687	9.5154
12	51,406	939,128	2,447.010	17.2687	67	2,128.9	21,770.2	993.974	9.2260
13	48,713	887,721	2,433.549	17.2236	68	1,977.5	19,641.3	953.524	8.9325
14	46,159	839,009	2,418.899	17.1766	69	1,833.3	17,663.8	912.398	8.6352
15	43,734	792,850	2,400.982	17.1288	70	1,695.9	15,830.6	870.564	8.3349
16	41,434	749,116	2,380.602	17.0797	71	1,565.1	14,134.7	828.253	8.0310
17	39,251	707,682	2,357.663	17.0296	72	1,440.8	12,569.6	785.543	7.7239
18	37,180	668,431	2,333.249	16.9781	73	1,322.5	11,128.8	742.310	7.4151
19	35,218	631,250	2,309.023	16.9242	74	1,209.6	9,806.3	698.401	7.1068
20	33,358	596,032	2,285.375	16.8677	75	1,101.9	8,556.6	653.770	6.8014
21	31,596	562,674	2,262.634	16.8082	76	999.31	7,494.71	608.593	6.4999
22	29,927	531,078	2,240.772	16.7456	77	901.85	6,495.40	563.229	6.2023
23	28,346	501,151	2,219.465	16.6799	78	809.58	5,593.55	517.971	5.9092
24	26,847	472,805	2,198.716	16.6109	79	722.55	4,783.97	473.152	5.6209
25	25,428	445,957	2,178.786	16.5382	80	640.83	4,061.42	429.096	5.3378
26	24,083	420,530	2,159.398	16.4619	81	564.31	3,420.59	385.990	5.0615
27	22,808	396,447	2,140.314	16.3818	82	493.00	2,856.27	344.090	4.7937
28	21,601	373,639	2,121.778	16.2976	83	427.05	2,363.28	303.846	4.5340
29	20,456	352,038	2,103.151	16.2097	84	366.66	1,936.23	265.722	4.2807
30	19,371	331,582	2,084.691	16.1175	85	311.83	1,569.57	230.007	4.0334
31	18,342	312,211	2,065.863	16.0214	86	262.23	1,257.73	196.665	3.7962
32	17,367	293,869	2,046.755	15.9212	87	217.59	995.50	165.687	3.5752
33	16,442	276,502	2,027.104	15.8169	88	178.02	777.91	137.466	3.3698
34	15,565	260,060	2,007.183	15.7082	89	143.66	599.89	112.386	3.1758
35	14,733	244,495	1,986.458	15.5955	90	114.38	456.23	90.593	2.9888
36	13,944	229,763	1,965.358	15.4781	91	89.695	341.854	71.873	2.8113
37	13,195	215,819	1,943.427	15.3566	92	69.111	252.159	55.965	2.6486
38	12,484	202,625	1,920.940	15.2303	93	52.246	183.048	42.703	2.5036
39	11,810	190,140	1,897.642	15.0997	94	38.750	130.802	31.931	2.3755
40	11,170	178,330	1,873.562	14.9645	95	28.214	92.052	23.415	2.2627
41	10,563	167,160	1,848.956	14.8244	96	20.170	63.838	16.842	2.1651
42	9,987.5	156,596.3	1,823.733	14.6792	97	14.176	43.669	11.900	2.0804
43	9,441.0	146,608.8	1,797.925	14.5289	98	9.8108	29.4924	8.2733	2.0061
44	8,922.2	137,167.7	1,771.281	14.3737	99	6.6951	19.6816	5.6691	1.9397
45	8,429.7	128,245.5	1,743.869	14.2136	100	4.5113	12.9865	3.8343	1.8787
46	7,961.9	119,815.9	1,715.586	14.0486	101	2.9987	8.4752	2.5668	1.8263
47	7,517.8	111,853.9	1,686.516	13.8786	102	1.9714	5.4765	1.6859	1.7780
48	7,096.2	104,336.2	1,656.896	13.7031	103	1.2806	3.5051	1.0979	1.7370
49	6,696.2	97,240.0	1,626.788	13.5217	104	.82451	2.22451	.70854	1.6980
50	6,316.3	90,543.8	1,596.050	13.3348	105	.52463	1.39999	.45165	1.6685
51	5,955.8	84,227.4	1,564.762	13.1422	106	.33266	.87536	.28703	1.6313
52	5,613.3	78,271.7	1,532.820	12.9439	107	.20804	.54269	.17975	1.6085
53	5,288.2	72,658.3	1,500.318	12.7397	108	.12941	.33464	.11196	1.5858
54	4,979.4	67,370.2	1,467.235	12.5297	109	.07885	.20522	.06815	1.6025

TABLE 18. UNITED STATES TOTAL FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 6 PERCENT INTEREST.

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,697,805	3,897.834	15.9780	55	3,613.2	45,969.3	1,011.140	11.7227
1	92,692	1,597,805	2,250.664	16.2377	56	3,382.5	42,356.2	984.962	11.5222
2	87,343	1,505,112	2,148.315	16.2321	57	3,164.6	38,973.7	958.498	11.3157
3	82,336	1,417,769	2,085.343	16.2192	58	2,958.7	35,809.1	931.794	11.1029
4	77,629	1,335,433	2,038.610	16.2027	59	2,764.4	32,850.4	904.962	10.8833
5	73,198	1,257,804	2,001.247	16.1837	60	2,580.9	30,086.0	877.952	10.6570
6	69,025	1,184,606	1,971.638	16.1620	61	2,407.7	27,505.0	850.841	10.4236
7	65,093	1,115,581	1,947.031	16.1382	62	2,244.2	25,097.3	823.591	10.1832
8	61,387	1,050,488	1,925.699	16.1125	63	2,089.7	22,853.1	796.103	9.9362
9	57,895	989,101	1,907.942	16.0845	64	1,943.6	20,763.4	768.297	9.6831
10	54,602	931,206	1,892.307	16.0544	65	1,805.4	18,819.9	740.095	9.4244
11	51,498	876,604	1,879.137	16.0220	66	1,674.6	17,014.5	711.522	9.1603
12	48,571	825,106	1,866.713	15.9877	67	1,550.9	15,339.9	682.592	8.8910
13	45,809	776,535	1,854.055	15.9516	68	1,433.8	13,789.0	653.263	8.6173
14	43,202	730,726	1,840.343	15.9141	69	1,322.9	12,355.2	623.586	8.3392
15	40,740	687,524	1,823.653	15.8759	70	1,218.0	11,032.3	593.540	8.0576
16	38,415	646,784	1,804.758	15.8367	71	1,118.8	9,814.3	563.294	7.7720
17	36,220	608,369	1,783.590	15.7967	72	1,025.1	8,695.5	532.907	7.4825
18	34,147	572,149	1,761.168	15.7555	73	936.46	7,670.36	502.293	7.1908
19	32,192	538,002	1,739.023	15.7123	74	852.51	6,733.89	471.348	6.8989
20	30,348	505,810	1,717.509	15.6669	75	772.95	5,881.38	440.041	6.6090
21	28,610	475,462	1,696.918	15.6188	76	697.66	5,108.43	408.502	6.3223
22	26,971	446,852	1,677.215	15.5680	77	626.65	4,410.77	376.980	6.0387
23	25,425	419,881	1,658.104	15.5145	78	559.88	3,784.13	345.682	5.7588
24	23,967	394,456	1,639.581	15.4581	79	497.34	3,224.25	314.832	5.4830
25	22,593	370,489	1,621.873	15.3984	80	439.01	2,726.91	284.652	5.2116
26	21,297	347,896	1,604.727	15.3355	81	384.77	2,287.91	255.261	4.9462
27	20,075	326,599	1,587.931	15.2692	82	334.55	1,903.14	226.827	4.6886
28	18,922	306,524	1,571.693	15.1993	83	288.43	1,568.59	199.646	4.4383
29	17,835	287,602	1,555.452	15.1259	84	246.48	1,280.16	174.018	4.1938
30	16,809	269,767	1,539.434	15.0487	85	208.63	1,033.68	150.123	3.9545
31	15,842	252,958	1,523.173	14.9680	86	174.62	825.04	127.920	3.7248
32	14,928	237,117	1,506.747	14.8835	87	144.21	650.42	107.390	3.5104
33	14,067	222,188	1,489.936	14.7954	88	117.43	506.22	88.774	3.3109
34	13,253	208,122	1,472.973	14.7032	89	94.316	388.790	72.309	3.1222
35	12,486	194,868	1,455.409	14.6073	90	74.737	294.474	58.069	2.9401
36	11,761	182,382	1,437.611	14.5072	91	58.332	219.737	45.894	2.7670
37	11,077	170,621	1,419.200	14.4032	92	44.734	161.405	35.598	2.6081
38	10,431	159,544	1,400.411	14.2949	93	33.658	116.671	27.054	2.4664
39	9,821.4	149,113.0	1,381.037	14.1825	94	24.846	83.014	20.147	2.3411
40	9,245.5	139,291.6	1,361.106	14.0658	95	18.005	58.168	14.712	2.2307
41	8,701.9	130,046.1	1,340.836	13.9445	96	12.811	40.163	10.537	2.1351
42	8,188.7	121,344.2	1,320.156	13.8185	97	8.9615	27.3523	7.4133	2.0522
43	7,704.1	113,155.5	1,299.096	13.6877	98	6.1726	18.3908	5.1317	1.9794
44	7,246.4	105,451.3	1,277.456	13.5522	99	4.1925	12.2181	3.5009	1.9143
45	6,814.1	98,204.9	1,255.298	13.4121	100	2.8117	8.0256	2.3574	1.8544
46	6,405.6	91,390.9	1,232.543	13.2673	101	1.8601	5.2140	1.5650	1.8031
47	6,019.8	84,985.3	1,209.266	13.1177	102	1.2171	3.3539	1.0272	1.7557
48	5,655.4	78,965.5	1,185.660	12.9628	103	.78690	2.13682	.66595	1.7155
49	5,311.4	73,310.1	1,161.778	12.8024	104	.50424	1.34992	.42783	1.6771
50	4,986.5	67,998.7	1,137.512	12.6366	105	.31933	.84567	.27147	1.6482
51	4,679.7	63,012.2	1,112.928	12.4651	106	.20153	.52633	.17174	1.6116
52	4,389.8	58,332.5	1,087.949	12.2882	107	.12544	.32479	.10705	1.5892
53	4,116.0	53,942.8	1,062.651	12.1056	108	.07766	.19935	.06637	1.5669
54	3,857.4	49,826.7	1,037.022	11.9172	109	.04710	.12169	.04021	1.5837

TABLE 19. UNITED STATES TOTAL FEMALES: 1960-71--ACTUARIAL FUNCTIONS AT 6.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,581,833	3,456.200	14.8183	55	2,789.2	33,967.8	716.074	11.1782
1	92,257	1,481,833	1,816.764	15.0620	56	2,598.9	31,178.6	695.961	10.9969
2	86,525	1,389,576	1,715.377	15.0598	57	2,420.0	28,572.0	675.722	10.8097
3	81,182	1,303,051	1,653.284	15.0509	58	2,252.0	26,159.7	655.397	10.6162
4	76,182	1,221,868	1,607.422	15.0389	59	2,094.2	23,907.7	635.070	10.4160
5	71,495	1,145,687	1,570.928	15.0246	60	1,946.0	21,813.4	614.705	10.2091
6	67,103	1,074,191	1,542.144	15.0081	61	1,806.9	19,867.4	594.359	9.9952
7	62,984	1,007,088	1,518.334	14.9896	62	1,676.3	18,060.5	574.005	9.7741
8	59,119	944,104	1,497.790	14.9695	63	1,553.5	16,384.2	553.569	9.5463
9	55,494	884,985	1,480.770	14.9474	64	1,438.2	14,830.6	532.994	9.3123
10	52,092	829,491	1,465.857	14.9236	65	1,329.6	13,392.5	512.223	9.0725
11	48,900	777,399	1,453.348	14.8977	66	1,227.5	12,062.9	491.280	8.8271
12	45,904	728,499	1,441.606	14.8701	67	1,131.5	10,835.4	470.173	8.5762
13	43,090	682,595	1,429.699	14.8410	68	1,041.1	9,703.9	448.876	8.3205
14	40,448	639,505	1,416.861	14.8107	69	956.14	8,662.76	427.427	8.0601
15	37,963	599,057	1,401.308	14.7798	70	876.17	7,706.62	405.813	7.7958
16	35,629	561,093	1,383.784	14.7483	71	801.04	6,830.45	384.158	7.5270
17	33,435	525,465	1,364.247	14.7161	72	730.50	6,029.41	362.504	7.2539
18	31,374	492,030	1,343.642	14.6829	73	664.20	5,298.91	340.791	6.9779
19	29,439	460,656	1,323.392	14.6481	74	601.82	4,634.71	318.945	6.7012
20	27,622	431,217	1,303.810	14.6112	75	543.09	4,032.90	296.949	6.4259
21	25,918	403,595	1,285.157	14.5722	76	487.89	3,489.81	274.893	6.1529
22	24,318	377,678	1,267.392	14.5307	77	436.17	3,001.92	252.953	5.8825
23	22,817	353,359	1,250.247	14.4868	78	387.87	2,565.76	231.270	5.6151
24	21,408	330,543	1,233.696	14.4404	79	342.92	2,177.89	209.999	5.3510
25	20,085	309,135	1,217.953	14.3911	80	301.28	1,834.97	189.287	5.0906
26	18,844	289,050	1,202.783	14.3388	81	262.82	1,533.69	169.211	4.8356
27	17,679	270,205	1,187.990	14.2836	82	227.45	1,270.87	149.880	4.5876
28	16,586	252,526	1,173.757	14.2251	83	195.17	1,043.43	131.488	4.3462
29	15,560	235,940	1,159.588	14.1635	84	166.00	848.26	114.228	4.1100
30	14,596	220,380	1,145.679	14.0986	85	139.85	682.26	98.211	3.8785
31	13,691	205,784	1,131.625	14.0304	86	116.50	542.41	83.398	3.6558
32	12,841	192,093	1,117.496	13.9588	87	95.759	425.903	69.764	3.4477
33	12,043	179,251	1,103.103	13.8839	88	77.611	330.145	57.461	3.2539
34	11,294	167,208	1,088.648	13.8053	89	62.043	252.534	46.630	3.0703
35	10,590	155,914	1,073.751	13.7233	90	48.933	190.491	37.306	2.8929
36	9,928.3	145,324.5	1,058.727	13.6374	91	38.013	141.559	29.373	2.7240
37	9,306.9	135,396.2	1,043.258	13.5480	92	29.014	103.546	22.694	2.5688
38	8,723.1	126,089.3	1,027.545	13.4546	93	21.728	74.532	17.179	2.4303
39	8,174.6	117,366.2	1,011.419	13.3574	94	15.964	52.804	12.741	2.3077
40	7,659.2	109,191.6	994.909	13.2563	95	11.514	36.840	9.266	2.1996
41	7,175.0	101,532.4	978.195	13.1508	96	8.1541	25.3262	6.6083	2.1060
42	6,720.1	94,357.4	961.224	13.0410	97	5.6773	17.1721	4.6292	2.0247
43	6,292.8	87,637.3	944.022	12.9266	98	3.8921	11.4948	3.1905	1.9534
44	5,891.1	81,344.5	926.429	12.8080	99	2.6311	7.6027	2.1671	1.8895
45	5,513.6	75,453.4	908.500	12.6849	100	1.7563	4.9716	1.4528	1.8308
46	5,158.8	69,939.7	890.174	12.5574	101	1.1564	3.2154	.9602	1.7804
47	4,825.3	64,780.9	871.516	12.4253	102	.75310	2.05893	.62744	1.7339
48	4,511.9	59,955.7	852.683	12.2882	103	.48463	1.30582	.40493	1.6944
49	4,217.6	55,443.7	833.719	12.1458	104	.30909	.82118	.25897	1.6567
50	3,941.0	51,226.1	814.540	11.9982	105	.19483	.51208	.16357	1.6284
51	3,681.1	47,285.1	795.202	11.8452	106	.12238	.31725	.10301	1.5924
52	3,436.9	43,603.9	775.645	11.6869	107	.07581	.19487	.06392	1.5703
53	3,207.4	40,167.0	755.931	11.5231	108	.04671	.11905	.03945	1.5484
54	2,991.8	36,959.6	736.054	11.3536	109	.02820	.07234	.02378	1.5262

TABLE 20. UNITED STATES TOTAL FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 7 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,480,795	3,125.539	13.8080	55	2,155.8	25,169.7	509.161	10.6755
1	91,826	1,380,795	1,493.763	14.0371	56	1,999.3	23,014.0	493.688	10.5112
2	85,718	1,288,969	1,393.317	14.0373	57	1,853.0	21,014.7	478.192	10.3410
3	80,049	1,203,251	1,332.095	14.0313	58	1,716.7	19,167.7	462.702	10.1647
4	74,768	1,123,201	1,287.084	14.0226	59	1,588.6	17,445.4	447.283	9.9818
5	69,841	1,048,434	1,251.435	14.0118	60	1,469.3	15,856.9	431.907	9.7923
6	65,244	978,593	1,223.449	13.9991	61	1,357.9	14,387.6	416.617	9.5958
7	60,952	913,350	1,200.407	13.9847	62	1,253.8	13,029.7	401.393	9.3921
8	56,945	852,397	1,180.618	13.9688	63	1,156.6	11,775.9	386.179	9.1818
9	53,203	795,452	1,164.300	13.9512	64	1,065.7	10,619.3	370.933	8.9651
10	49,708	742,249	1,150.067	13.9321	65	980.62	9,553.69	355.615	8.7425
11	46,445	692,541	1,138.189	13.9111	66	901.10	8,573.07	340.240	8.5141
12	43,395	646,096	1,127.089	13.8887	67	826.72	7,671.97	324.818	8.2800
13	40,545	602,701	1,115.885	13.8650	68	757.15	6,845.25	309.330	8.0408
14	37,880	562,156	1,103.863	13.8403	69	692.09	6,088.10	293.805	7.7967
15	35,388	524,276	1,089.365	13.8152	70	631.24	5,396.01	278.233	7.5482
16	33,056	488,888	1,073.106	13.7895	71	574.42	4,764.77	262.704	7.2949
17	30,876	455,832	1,055.061	13.7634	72	521.38	4,190.35	247.249	7.0370
18	28,837	424,956	1,036.125	13.7365	73	471.85	3,668.96	231.824	6.7757
19	26,932	396,119	1,017.599	13.7082	74	425.53	3,197.11	216.377	6.5132
20	25,152	369,187	999.769	13.6781	75	382.21	2,771.58	200.897	6.2514
21	23,490	344,035	982.863	13.6461	76	341.76	2,389.37	185.446	5.9914
22	21,937	320,545	966.837	13.6120	77	304.10	2,047.61	170.149	5.7332
23	20,487	298,608	951.438	13.5758	78	269.16	1,743.50	155.103	5.4775
24	19,132	278,121	936.652	13.5373	79	236.86	1,474.34	140.410	5.2245
25	17,866	258,990	922.649	13.4963	80	207.13	1,237.47	126.171	4.9745
26	16,684	241,124	909.218	13.4527	81	179.84	1,030.35	112.433	4.7293
27	15,579	224,440	896.182	13.4064	82	154.91	850.51	99.268	4.4904
28	14,548	208,861	883.699	13.3572	83	132.31	695.60	86.799	4.2575
29	13,583	194,314	871.329	13.3052	84	112.00	563.29	75.153	4.0292
30	12,683	180,730	859.244	13.2501	85	93.920	451.290	64.397	3.8050
31	11,841	168,047	847.089	13.1922	86	77.875	357.370	54.495	3.5890
32	11,054	156,207	834.926	13.1312	87	63.710	279.495	45.425	3.3870
33	10,319	145,152	822.594	13.0671	88	51.394	215.785	37.277	3.1986
34	9,631.2	134,833.9	810.267	12.9997	89	40.893	164.391	30.139	3.0200
35	8,988.5	125,202.8	797.623	12.9293	90	32.101	123.498	24.022	2.8471
36	8,387.7	116,214.3	784.930	12.8553	91	24.821	91.397	18.842	2.6822
37	7,826.0	107,826.6	771.923	12.7780	92	18.857	66.576	14.501	2.5306
38	7,300.9	100,000.6	758.772	12.6971	93	14.055	47.719	10.933	2.3951
39	6,809.8	92,699.7	745.339	12.6127	94	10.279	33.664	8.076	2.2752
40	6,350.6	85,889.9	731.649	12.5247	95	7.3787	23.3854	5.8488	2.1693
41	5,921.4	79,539.3	717.856	12.4326	96	5.2011	16.0067	4.1539	2.0776
42	5,520.0	73,617.9	703.915	12.3365	97	3.6043	10.8056	2.8974	1.9979
43	5,144.9	68,097.9	689.851	12.2361	98	2.4594	7.2012	1.9883	1.9280
44	4,794.0	62,953.0	675.535	12.1317	99	1.6548	4.7418	1.3446	1.8654
45	4,465.8	58,159.1	661.013	12.0232	100	1.0994	3.0870	.8975	1.8078
46	4,158.9	53,693.3	646.239	11.9105	101	.72055	1.98752	.59052	1.7583
47	3,871.8	49,534.4	631.268	11.7935	102	.46705	1.26696	.38417	1.7127
48	3,603.5	45,662.5	616.226	11.6717	103	.29915	.79991	.24682	1.6739
49	3,352.7	42,059.0	601.152	11.5449	104	.18990	.50075	.15714	1.6368
50	3,118.2	38,706.4	585.977	11.4132	105	.11914	.31084	.09880	1.6090
51	2,898.9	35,588.2	570.748	11.2762	106	.07448	.19170	.06194	1.5736
52	2,694.0	32,689.3	555.419	11.1342	107	.04593	.11721	.03826	1.5519
53	2,502.3	29,995.3	540.039	10.9869	108	.02817	.07128	.02350	1.5304
54	2,323.2	27,492.9	524.603	10.8340	109	.01692	.04311	.01410	1.5147

TABLE 21. UNITED STATES TOTAL FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 7.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,392,130	2,874.681	12.9213	55	1,668.2	18,701.0	363.470	10.2103
1	91,399	1,292,130	1,250.495	13.1372	56	1,539.9	17,032.8	351.553	10.0611
2	84,923	1,200,731	1,150.982	13.1391	57	1,420.6	15,492.9	339.673	9.9061
3	78,938	1,115,808	1,090.610	13.1353	58	1,309.6	14,072.4	327.853	9.7452
4	73,386	1,036,870	1,046.430	13.1290	59	1,206.6	12,762.7	316.142	9.5777
5	68,231	963,484	1,011.602	13.1208	60	1,110.8	11,556.2	304.517	9.4038
6	63,444	895,252	984.388	13.1109	61	1,021.8	10,445.4	293.012	9.2229
7	58,995	831,809	962.086	13.0996	62	939.07	9,423.64	281.610	9.0350
8	54,860	772,813	943.022	13.0869	63	862.21	8,484.57	270.268	8.8404
9	51,017	717,953	927.375	13.0728	64	790.75	7,622.35	258.955	8.6394
10	47,444	666,936	913.789	13.0573	65	724.26	6,831.60	247.641	8.4325
11	44,123	619,492	902.506	13.0402	66	662.43	6,107.34	236.338	8.2196
12	41,034	575,369	892.009	13.0218	67	604.93	5,444.91	225.054	8.0009
13	38,161	534,335	881.464	13.0023	68	551.45	4,839.98	213.774	7.7769
14	35,487	496,174	870.201	12.9819	69	501.72	4,288.53	202.519	7.5477
15	32,998	460,687	856.683	12.9612	70	455.48	3,786.81	191.283	7.3139
16	30,680	427,690	841.592	12.9402	71	412.55	3,331.33	180.130	7.0750
17	28,523	397,009	824.922	12.9188	72	372.72	2,918.78	169.082	6.8311
18	26,516	368,486	807.511	12.8968	73	335.74	2,546.07	158.106	6.5835
19	24,649	341,970	790.556	12.8736	74	301.38	2,210.33	147.167	6.3341
20	22,913	317,321	774.312	12.8490	75	269.44	1,908.95	136.254	6.0850
21	21,299	294,408	758.983	12.8226	76	239.80	1,639.52	125.413	5.8371
22	19,799	273,109	744.519	12.7943	77	212.38	1,399.72	114.730	5.5905
23	18,404	253,310	730.686	12.7642	78	187.11	1,187.33	104.270	5.3457
24	17,106	234,907	717.465	12.7322	79	163.89	1,000.23	94.104	5.1031
25	15,900	217,801	705.003	12.6978	80	142.65	836.34	84.297	4.8630
26	14,779	201,900	693.105	12.6611	81	123.28	693.69	74.881	4.6271
27	13,737	187,121	681.611	12.6221	82	105.69	570.41	65.898	4.3968
28	12,767	173,384	670.655	12.5804	83	89.852	464.720	57.430	4.1720
29	11,866	160,617	659.850	12.5363	84	75.712	374.868	49.558	3.9513
30	11,027	148,752	649.342	12.4893	85	63.192	299.156	42.321	3.7341
31	10,247	137,724	638.823	12.4398	86	52.152	235.964	35.690	3.5245
32	9,522.1	127,476.7	628.346	12.3875	87	42.468	183.812	29.643	3.3283
33	8,847.2	117,954.6	617.772	12.3325	88	34.099	141.345	24.238	3.1451
34	8,219.4	109,107.5	607.252	12.2744	89	27.006	107.246	19.523	2.9712
35	7,635.2	100,888.1	596.511	12.2135	90	21.101	80.240	15.503	2.8027
36	7,091.8	93,252.8	585.780	12.1494	91	16.239	59.139	12.113	2.6417
37	6,586.1	86,161.0	574.833	12.0823	92	12.280	42.900	9.287	2.4935
38	6,115.6	79,575.0	563.818	12.0119	93	9.1105	30.6197	6.9742	2.3609
39	5,677.7	73,459.4	552.617	11.9383	94	6.6315	21.5093	5.1308	2.2435
40	5,270.2	67,781.7	541.256	11.8613	95	4.7385	14.8778	3.7005	2.1398
41	4,891.1	62,511.5	529.863	11.7806	96	3.3245	10.1393	2.6171	2.0499
42	4,538.4	57,620.4	518.402	11.6961	97	2.2931	6.8149	1.8177	1.9719
43	4,210.3	53,082.0	506.892	11.6077	98	1.5575	4.5217	1.2420	1.9033
44	3,904.9	48,871.7	495.231	11.5155	99	1.0431	2.9643	.8363	1.8419
45	3,620.7	44,966.8	483.457	11.4194	100	.68976	1.92119	.55572	1.7853
46	3,356.1	41,346.1	471.535	11.3195	101	.44995	1.23142	.36404	1.7368
47	3,110.0	37,990.0	459.510	11.2155	102	.29030	.78147	.23578	1.6919
48	2,881.0	34,880.0	447.484	11.1070	103	.18507	.49116	.15081	1.6538
49	2,668.0	31,999.0	435.488	10.9937	104	.11694	.30608	.09558	1.6174
50	2,469.8	29,331.0	423.469	10.8758	105	.07302	.18914	.05983	1.5901
51	2,285.5	26,861.2	411.463	10.7529	106	.04544	.11611	.03734	1.5552
52	2,114.0	24,575.7	399.433	10.6251	107	.02789	.07067	.02296	1.5339
53	1,954.5	22,461.7	387.420	10.4922	108	.01702	.04278	.01404	1.5127
54	1,806.2	20,507.2	375.420	10.3541	109	.01018	.02575	.00838	1.5296

TABLE 22. UNITED STATES TOTAL FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 8 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,313,797	2,681.707	12.1380	55	1,292.4	13,931.3	260.474	9.7792
1	90,976	1,213,797	1,665.040	12.3420	56	1,187.5	12,638.9	251.284	9.6433
2	84,138	1,122,821	966.446	12.3449	57	1,090.4	11,451.4	242.165	9.5019
3	77,846	1,038,683	906.909	12.3427	58	1,000.6	10,361.0	233.134	9.3546
4	72,037	960,836	863.542	12.3382	59	917.59	9,360.38	224.228	9.2011
5	66,667	888,800	829.513	12.3320	60	840.82	8,442.79	215.428	9.0411
6	61,702	822,133	803.046	12.3243	61	769.87	7,601.97	206.760	8.8744
7	57,110	760,431	781.457	12.3153	62	704.29	6,832.10	198.208	8.7007
8	52,861	703,322	763.087	12.3051	63	643.65	6,127.81	189.741	8.5204
9	48,930	650,461	748.080	12.2936	64	587.57	5,484.16	181.335	8.3336
10	45,293	601,530	735.111	12.2809	65	535.68	4,896.59	172.967	8.1409
11	41,927	556,237	724.388	12.2668	66	487.68	4,360.91	164.646	7.9422
12	38,812	514,310	714.461	12.2515	67	443.28	3,873.24	156.377	7.7376
13	35,927	475,499	704.533	12.2353	68	402.22	3,429.95	148.150	7.5276
14	33,255	439,572	693.978	12.2183	69	364.25	3,027.73	139.978	7.3121
15	30,779	406,317	681.369	12.2011	70	329.15	2,663.48	131.859	7.0919
16	28,485	375,538	667.358	12.1837	71	296.75	2,334.32	123.836	6.8663
17	26,360	347,053	651.953	12.1661	72	266.86	2,037.58	115.926	6.6354
18	24,391	320,694	635.937	12.1480	73	239.27	1,770.72	108.104	6.4006
19	22,569	296,303	620.412	12.1289	74	213.78	1,531.45	100.344	6.1635
20	20,882	273,734	605.608	12.1085	75	190.24	1,317.66	92.638	5.9262
21	19,321	252,852	591.702	12.0866	76	168.53	1,127.42	85.020	5.6896
22	17,877	233,530	578.643	12.0630	77	148.57	958.89	77.546	5.4539
23	16,541	215,653	566.210	12.0379	78	130.29	810.31	70.263	5.2195
24	15,303	199,113	554.382	12.0109	79	113.59	680.03	63.217	4.9867
25	14,159	183,809	543.285	11.9820	80	98.410	566.439	56.451	4.7559
26	13,099	169,650	532.739	11.9510	81	84.654	468.029	49.985	4.5287
27	12,119	156,551	522.599	11.9178	82	72.243	383.376	43.845	4.3067
28	11,212	144,432	512.978	11.8823	83	61.131	311.133	38.084	4.0896
29	10,372	133,220	503.533	11.8446	84	51.272	250.002	32.753	3.8760
30	9,594.3	122,848.6	494.390	11.8043	85	42.595	198.730	27.875	3.6655
31	8,874.5	113,254.3	485.281	11.7618	86	34.991	156.135	23.426	3.4621
32	8,208.1	104,379.8	476.250	11.7167	87	28.361	121.144	19.388	3.2714
33	7,591.0	96,171.7	467.177	11.6692	88	22.667	92.782	15.794	3.0933
34	7,019.7	88,580.7	458.193	11.6188	89	17.869	70.115	12.675	2.9239
35	6,490.6	81,561.0	449.062	11.5660	90	13.897	52.246	10.027	2.7595
36	6,000.7	75,070.4	439.982	11.5102	91	10.646	38.349	7.805	2.6023
37	5,547.0	69,069.6	430.762	11.4516	92	8.0129	27.7035	5.9608	2.4574
38	5,126.9	63,522.6	421.527	11.3900	93	5.9172	19.6906	4.4587	2.3277
39	4,737.8	58,395.7	412.181	11.3255	94	4.2872	13.7734	3.2669	2.2127
40	4,377.4	53,657.9	402.745	11.2579	95	3.0492	9.4862	2.3465	2.1111
41	4,043.7	49,280.5	393.325	11.1869	96	2.1294	6.4370	1.6526	2.0229
42	3,734.8	45,236.8	383.893	11.1123	97	1.4620	4.3076	1.1429	1.9464
43	3,448.7	41,502.0	374.466	11.0341	98	.98836	2.84565	.77757	1.8792
44	3,183.7	38,053.3	364.958	10.9525	99	.65887	1.85728	.52129	1.8189
45	2,938.3	34,869.6	355.403	10.8671	100	.43368	1.19841	.34491	1.7633
46	2,711.1	31,931.3	345.773	10.7782	101	.28159	.76473	.22494	1.7157
47	2,500.6	29,220.2	336.104	10.6854	102	.18083	.48313	.14505	1.6716
48	2,305.7	26,719.6	326.480	10.5885	103	.11475	.30229	.09236	1.6342
49	2,125.4	24,413.9	316.923	10.4869	104	.07217	.18754	.05828	1.5985
50	1,958.4	22,288.6	307.393	10.3810	105	.04486	.11536	.03631	1.5716
51	1,803.9	20,330.2	297.917	10.2704	106	.02778	.07050	.02256	1.5373
52	1,660.8	18,526.3	288.466	10.1551	107	.01697	.04271	.01381	1.5164
53	1,528.4	16,865.5	279.073	10.0350	108	.01031	.02574	.00840	1.4955
54	1,405.8	15,337.2	269.732	9.9098	109	.00614	.01542	.00499	1.5124

TABLE 23. UNITED STATES WHITE MALES: 1969-71--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	2,875,664	16,242.799	27.7566	55	16,332	236,641	9,439.404	13.4895
1	95,140	2,775,664	14,295.226	28.1746	56	15,626	220,310	9,209.205	13.0989
2	92,261	2,680,524	14,187.770	28.0536	57	14,929	204,684	8,967.350	12.7105
3	89,500	2,588,263	14,113.644	27.9192	58	14,241	189,755	8,714.532	12.3242
4	86,830	2,498,763	14,050.561	27.7776	59	13,563	175,513	8,450.896	11.9407
5	84,252	2,411,933	14,001.393	27.6276	60	12,894	161,950	8,177.456	11.5597
6	81,754	2,327,681	13,957.843	27.4716	61	12,236	149,056	7,894.677	11.1816
7	79,333	2,245,927	13,917.189	27.3103	62	11,589	136,820	7,603.496	10.8065
8	76,985	2,166,594	13,880.087	27.1432	63	10,952	125,231	7,304.641	10.4344
9	74,710	2,089,609	13,847.131	26.9698	64	10,327	114,279	6,998.506	10.0660
10	72,505	2,014,900	13,818.855	26.7897	65	9,713.5	103,952.0	6,685.767	9.7018
11	70,370	1,942,394	13,795.738	26.6025	66	9,111.3	94,238.5	6,366.501	9.3430
12	68,298	1,872,024	13,773.293	26.4095	67	8,520.9	85,127.2	6,041.491	8.9904
13	66,283	1,803,726	13,747.417	26.2124	68	7,943.7	76,606.3	5,712.414	8.6437
14	64,317	1,737,443	13,711.717	26.0138	69	7,381.9	68,662.6	5,381.995	8.3015
15	62,394	1,673,126	13,662.293	25.8154	70	6,837.5	61,280.7	5,052.611	7.9625
16	60,512	1,610,732	13,597.484	25.6184	71	6,311.9	54,443.2	4,726.200	7.6255
17	58,671	1,550,220	13,518.832	25.4223	72	5,805.7	48,131.3	4,403.820	7.2903
18	56,873	1,491,549	13,429.548	25.2261	73	5,317.8	42,325.6	4,085.050	6.9592
19	55,121	1,434,676	13,334.310	25.0278	74	4,847.1	37,007.8	3,769.169	6.6351
20	53,419	1,379,555	13,237.417	24.8254	75	4,393.1	32,160.7	3,456.387	6.3207
21	51,764	1,326,137	13,139.045	24.6187	76	3,956.7	27,767.6	3,147.956	6.0178
22	50,156	1,274,372	13,038.320	24.4082	77	3,540.2	23,810.9	2,846.660	5.7259
23	48,595	1,224,216	12,937.995	24.1923	78	3,145.8	20,270.7	2,555.435	5.4436
24	47,083	1,175,621	12,842.068	23.9689	79	2,776.2	17,124.8	2,277.436	5.1684
25	45,623	1,128,538	12,752.756	23.7363	80	2,432.6	14,348.6	2,014.676	4.8985
26	44,213	1,082,915	12,671.609	23.4932	81	2,114.6	11,916.0	1,767.507	4.6352
27	42,851	1,038,702	12,597.328	23.2400	82	1,821.5	9,801.5	1,536.041	4.3809
28	41,534	995,852	12,528.707	22.9767	83	1,554.0	7,979.9	1,321.551	4.1352
29	40,259	954,317	12,463.358	22.7044	84	1,312.4	6,426.0	1,125.249	3.8963
30	39,022	914,058	12,398.676	22.4243	85	1,096.6	5,113.5	947.634	3.6632
31	37,821	875,037	12,334.278	22.1364	86	904.55	4,016.98	787.550	3.4409
32	36,654	837,216	12,269.425	21.8408	87	734.93	3,112.43	644.277	3.2350
33	35,522	800,562	12,204.200	21.5374	88	587.48	2,377.50	518.235	3.0469
34	34,421	765,040	12,137.946	21.2262	89	462.26	1,790.01	410.124	2.8723
35	33,350	730,619	12,070.068	20.9075	90	358.38	1,327.75	319.707	2.7049
36	32,308	697,269	11,999.681	20.5816	91	273.67	969.37	245.435	2.5421
37	31,294	664,961	11,926.320	20.2488	92	205.45	695.71	185.190	2.3862
38	30,305	633,667	11,848.591	19.9097	93	151.28	490.25	137.002	2.2407
39	29,340	603,362	11,765.863	19.5648	94	109.04	338.97	99.165	2.1087
40	28,397	574,022	11,677.575	19.2144	95	76.848	229.933	70.151	1.9920
41	27,476	545,625	11,583.822	18.8584	96	52.941	153.085	48.483	1.8916
42	26,576	518,150	11,484.709	18.4966	97	35.763	100.144	32.847	1.8002
43	25,697	491,573	11,378.944	18.1299	98	23.682	64.380	21.806	1.7186
44	24,835	465,877	11,266.182	17.7586	99	15.381	40.699	14.196	1.6460
45	23,991	441,041	11,145.334	17.3835	100	9.8342	25.3171	9.0968	1.5744
46	23,163	417,050	11,015.939	17.0050	101	6.1631	15.4829	5.7122	1.5122
47	22,351	393,887	10,878.348	16.6230	102	3.7765	9.3198	3.5051	1.4678
48	21,554	371,536	10,732.423	16.2376	103	2.2856	5.5433	2.1242	1.4253
49	20,771	349,982	10,577.825	15.8492	104	1.3869	3.2576	1.2920	1.3888
50	20,003	329,211	10,414.044	15.4583	105	.80791	1.87071	.75342	1.3555
51	19,247	309,208	10,240.860	15.0653	106	.47934	1.06279	.44838	1.2172
52	18,503	289,961	10,057.669	14.6709	107	.25384	.58345	.23685	1.2985
53	17,770	271,458	9,863.531	14.2761	108	.16430	.32961	.15470	1.0061
54	17,047	253,688	9,657.619	13.8820	109	.07975	.16531	.07494	1.0727

TABLE 24. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 3.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,581,061	12,717.753	24.8106	55	12,513	172,954	6,664.401	12.8218
1	94,660	2,481,061	10,779.589	25.2046	56	11,914	160,441	6,488.881	12.4661
2	91,372	2,386,381	10,673.168	25.1172	57	11,328	148,526	6,305.364	12.1114
3	88,209	2,295,009	10,600.111	25.0178	58	10,754	137,198	6,114.454	11.7579
4	85,164	2,206,799	10,538.239	24.9123	59	10,192	126,444	5,916.338	11.4059
5	82,236	2,121,635	10,490.246	24.7992	60	9,643.1	116,252.0	5,711.847	11.0555
6	79,413	2,039,399	10,447.944	24.6809	61	9,106.5	106,608.9	5,501.393	10.7069
7	76,688	1,959,986	10,408.645	24.5578	62	8,582.9	97,502.4	5,285.733	10.3601
8	74,059	1,883,297	10,372.952	24.4296	63	8,072.4	88,919.4	5,065.459	10.0152
9	71,523	1,809,238	10,341.402	24.2958	64	7,574.9	80,847.0	4,840.909	9.6731
10	69,078	1,737,715	10,314.463	24.1559	65	7,090.4	73,272.2	4,612.623	9.3340
11	66,720	1,668,637	10,292.545	24.0096	66	6,618.7	66,181.8	4,380.699	8.9992
12	64,442	1,601,917	10,271.368	23.8581	67	6,160.0	59,563.0	4,145.742	8.6694
13	62,239	1,537,474	10,247.070	23.7028	68	5,714.9	53,403.1	3,908.995	8.3445
14	60,101	1,475,236	10,213.710	23.5460	69	5,285.1	47,688.2	3,672.431	8.0232
15	58,023	1,415,135	10,167.749	23.3894	70	4,871.7	42,403.1	3,437.747	7.7040
16	56,000	1,357,112	10,107.772	23.2339	71	4,475.5	37,531.4	3,206.304	7.3860
17	54,034	1,301,112	10,035.335	23.0794	72	4,096.7	33,056.0	2,978.824	7.0690
18	52,125	1,247,077	9,953.505	22.9247	73	3,734.3	28,959.3	2,754.979	6.7550
19	50,276	1,194,952	9,866.639	22.7680	74	3,387.3	25,225.0	2,534.233	6.4470
20	48,488	1,144,676	9,778.690	22.6076	75	3,055.2	21,837.8	2,316.709	6.1478
21	46,759	1,096,189	9,689.830	22.4434	76	2,738.4	18,782.6	2,103.247	5.8589
22	45,087	1,049,430	9,599.284	22.2755	77	2,438.3	16,044.2	1,895.730	5.5801
23	43,473	1,004,343	9,509.533	22.1028	78	2,156.2	13,605.9	1,696.119	5.3101
24	41,917	960,870	9,424.132	21.9230	79	1,893.7	11,449.7	1,506.494	5.0462
25	40,421	918,953	9,345.003	21.7347	80	1,651.3	9,556.0	1,328.129	4.7870
26	38,982	878,532	9,273.457	21.5367	81	1,428.5	7,904.7	1,161.158	4.5337
27	37,599	839,550	9,208.280	21.3291	82	1,224.6	6,476.2	1,005.550	4.2887
28	36,267	801,951	9,148.360	21.1121	83	1,039.6	5,251.7	862.052	4.0514
29	34,984	765,683	9,091.573	20.8865	84	873.79	4,212.04	731.356	3.8204
30	33,745	730,699	9,035.637	20.6534	85	726.56	3,338.25	613.673	3.5946
31	32,549	696,954	8,980.216	20.4126	86	596.44	2,611.69	508.117	3.3788
32	31,392	664,405	8,924.673	20.1645	87	482.25	2,015.25	414.104	3.1788
33	30,275	633,013	8,869.081	19.9085	88	383.64	1,533.00	331.796	2.9960
34	29,195	602,737	8,812.885	19.6450	89	300.41	1,149.36	261.539	2.8260
35	28,151	573,542	8,755.589	19.3740	90	231.77	848.96	203.064	2.6629
36	27,140	545,391	8,696.464	19.0957	91	176.13	617.19	155.262	2.5041
37	26,161	518,252	8,635.137	18.8104	92	131.59	441.05	116.676	2.3517
38	25,211	492,091	8,570.472	18.5187	93	96.426	309.462	85.961	2.2093
39	24,290	466,880	8,501.982	18.2209	94	69.165	213.035	61.961	2.0801
40	23,396	442,590	8,429.241	17.9173	95	48.511	143.871	43.645	1.9658
41	22,528	419,194	8,352.371	17.6077	96	33.258	95.360	30.033	1.8673
42	21,685	396,666	8,271.499	17.2919	97	22.358	62.102	20.258	1.7776
43	20,866	374,980	8,185.616	16.9708	98	14.733	39.744	13.389	1.6976
44	20,069	354,114	8,094.494	16.6445	99	9.5233	25.0107	8.6775	1.6263
45	19,294	334,045	7,997.309	16.3138	100	6.0594	15.4874	5.5356	1.5559
46	18,538	314,751	7,893.753	15.9792	101	3.7791	9.4280	3.4602	1.4948
47	17,801	296,214	7,784.170	15.6402	102	2.3045	5.6490	2.1135	1.4513
48	17,083	278,413	7,668.511	15.2972	103	1.3880	3.3445	1.2749	1.4096
49	16,384	261,329	7,546.570	14.9505	104	.83815	1.95649	.77199	1.3343
50	15,701	244,945	7,418.010	14.6004	105	.48588	1.11833	.44806	1.3016
51	15,035	229,244	7,282.725	14.2474	106	.28689	.63245	.26550	1.2045
52	14,384	214,209	7,140.315	13.8921	107	.15119	.34556	.13950	1.2856
53	13,747	199,825	6,990.123	13.5354	108	.09738	.19436	.09081	.9958
54	13,124	186,078	6,831.592	13.1783	109	.04704	.09698	.04376	1.0614

TABLE 25. UNITED STATES WHITE MALES: 1969-71--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	2,335,750	10,163.453	22.3575	55	9,599.5	126,780.7	4,723.342	12.2070
1	94,225	2,235,750	8,234.607	22.7278	56	9,096.3	117,181.2	4,589.337	11.8823
2	90,496	2,141,525	8,129.207	22.6644	57	8,607.0	108,084.9	4,449.901	11.5578
3	86,943	2,051,030	8,057.199	22.5905	58	8,131.6	99,477.9	4,305.545	11.2335
4	83,538	1,964,087	7,996.507	22.5112	59	7,669.8	91,346.3	4,156.460	10.9099
5	80,278	1,880,548	7,949.658	22.4253	60	7,221.6	83,676.5	4,003.318	10.5869
6	77,150	1,800,270	7,908.561	22.3348	61	6,787.0	76,454.8	3,846.468	10.2648
7	74,144	1,723,120	7,870.565	22.2401	62	6,366.0	69,667.8	3,686.511	9.9437
8	71,258	1,648,976	7,836.223	22.1408	63	5,958.6	63,311.8	3,523.916	9.6236
9	68,487	1,577,717	7,806.012	22.0366	64	5,564.5	57,343.2	3,358.963	9.3052
10	65,828	1,509,230	7,780.340	21.9270	65	5,183.6	51,778.7	3,192.071	8.9890
11	63,275	1,443,402	7,759.554	21.8116	66	4,815.5	46,595.1	3,023.335	8.6762
12	60,821	1,380,127	7,739.566	21.6915	67	4,460.1	41,779.7	2,853.214	8.3674
13	58,459	1,319,306	7,716.745	21.5679	68	4,118.0	37,319.5	2,682.621	8.0626
14	56,180	1,260,847	7,685.561	21.4431	69	3,790.0	33,211.6	2,512.970	7.7604
15	53,976	1,204,667	7,642.806	21.3185	70	3,476.7	29,411.6	2,345.495	7.4596
16	51,845	1,150,691	7,587.279	21.1950	71	3,178.6	25,934.9	2,181.118	7.1592
17	49,784	1,098,846	7,520.541	21.0723	72	2,895.6	22,756.3	2,020.332	6.8590
18	47,794	1,049,062	7,445.509	20.9496	73	2,626.7	19,860.7	1,862.875	6.5609
19	45,877	1,001,268	7,366.244	20.8253	74	2,371.2	17,234.0	1,708.346	6.2681
20	44,032	955,392	7,286.376	20.6976	75	2,128.4	14,862.8	1,556.804	5.9829
21	42,258	911,360	7,206.070	20.5664	76	1,898.6	12,734.3	1,408.807	5.7073
22	40,552	869,101	7,124.632	20.4320	77	1,682.4	10,835.7	1,265.623	5.4407
23	38,912	828,550	7,044.298	20.2931	78	1,480.6	9,153.3	1,128.557	5.1822
24	37,339	789,638	6,968.225	20.1479	79	1,294.1	7,672.7	998.973	4.9291
25	35,833	752,299	6,898.078	19.9948	80	1,123.0	6,378.7	877.670	4.6800
26	34,391	716,466	6,834.957	19.8327	81	966.80	5,255.65	764.662	4.4361
27	33,011	682,075	6,777.732	19.6618	82	824.81	4,288.85	659.852	4.1998
28	31,689	649,064	6,725.376	19.4821	83	696.89	3,464.04	563.662	3.9707
29	30,421	617,374	6,675.996	19.2942	84	582.90	2,767.15	476.475	3.7472
30	29,203	586,953	6,627.590	19.0993	85	482.36	2,184.25	398.347	3.5283
31	28,032	557,750	6,579.860	18.8971	86	394.06	1,701.89	328.606	3.3188
32	26,906	529,719	6,532.255	18.6877	87	317.09	1,307.83	266.790	3.1244
33	25,824	502,813	6,484.837	18.4709	88	251.04	990.73	212.931	2.9466
34	24,783	476,989	6,437.134	18.2467	89	195.63	739.70	167.179	2.7811
35	23,781	452,206	6,388.732	18.0152	90	150.21	544.07	129.282	2.6221
36	22,817	428,425	6,339.023	17.7766	91	113.60	393.86	98.452	2.4671
37	21,888	405,608	6,287.712	17.5310	92	84.464	280.261	73.684	2.3181
38	20,992	383,720	6,233.869	17.2791	93	61.595	195.798	54.065	2.1788
39	20,128	362,727	6,177.114	17.0209	94	43.969	134.203	38.807	2.0522
40	19,294	342,599	6,117.127	16.7568	95	30.690	90.234	27.220	1.9401
41	18,489	323,305	6,054.040	16.4865	96	20.940	59.544	18.649	1.8436
42	17,712	304,816	5,987.986	16.2099	97	14.009	38.604	12.525	1.7556
43	16,961	287,105	5,918.178	15.9277	98	9.1873	24.5947	8.2414	1.6770
44	16,235	270,144	5,844.467	15.6400	99	5.9099	15.4073	5.3173	1.6070
45	15,532	253,909	5,766.229	15.3475	100	3.7422	9.4974	3.3769	1.5379
46	14,852	238,377	5,683.264	15.0506	101	2.3227	5.7552	2.1013	1.4778
47	14,193	223,526	5,595.892	14.7490	102	1.4096	3.4325	1.2776	1.4351
48	13,555	209,333	5,504.118	14.4428	103	.84490	2.02291	.76709	1.3943
49	12,938	195,777	5,407.826	14.1323	104	.50775	1.17801	.46244	1.3200
50	12,339	182,840	5,306.794	13.8179	105	.29293	.67026	.26715	1.2881
51	11,759	170,501	5,200.989	13.4999	106	.17213	.37732	.15761	1.1921
52	11,196	158,742	5,090.147	13.1789	107	.09027	.20519	.08238	1.2729
53	10,649	147,546	4,973.810	12.8558	108	.05787	.11491	.05345	.9857
54	10,117	136,898	4,851.604	12.5316	109	.02782	.05704	.02562	1.0503

TABLE 26. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 4.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,129,561	8,296.434	20.2956	55	7,373.7	93,201.7	3,360.263	11.6397
1	93,774	2,029,561	6,376.817	20.6431	56	6,953.8	85,827.9	3,257.822	11.3427
2	89,632	1,935,786	6,272.424	20.5971	57	6,548.2	78,874.2	3,151.738	11.0451
3	85,701	1,846,155	6,201.444	20.5418	58	6,157.0	72,325.9	3,042.438	10.7470
4	81,951	1,760,454	6,141.906	20.4818	59	5,779.5	66,169.0	2,930.096	10.4490
5	78,376	1,678,503	6,096.166	20.4160	60	5,415.8	60,389.5	2,815.250	10.1507
6	74,961	1,600,127	6,056.236	20.3461	61	5,065.5	54,973.7	2,698.186	9.8526
7	71,696	1,525,166	6,019.494	20.2725	62	4,728.5	49,908.3	2,579.373	9.5547
8	68,576	1,453,469	5,986.445	20.1950	63	4,404.7	45,179.7	2,459.180	9.2571
9	65,594	1,384,893	5,957.510	20.1131	64	4,093.7	40,775.0	2,337.827	8.9605
10	62,745	1,319,299	5,933.040	20.0264	65	3,795.2	36,681.3	2,215.635	8.6652
11	60,023	1,256,554	5,913.322	19.9344	66	3,508.8	32,886.1	2,092.683	8.3724
12	57,420	1,196,531	5,894.453	19.8383	67	3,234.4	29,377.3	1,969.316	8.0829
13	54,926	1,139,111	5,873.010	19.7391	68	2,972.0	26,142.9	1,846.198	7.7965
14	52,531	1,084,185	5,843.852	19.6389	69	2,722.1	23,170.9	1,724.353	7.5120
15	50,229	1,031,654	5,804.064	19.5389	70	2,485.2	20,448.8	1,604.633	7.2282
16	48,015	981,425	5,752.640	19.4400	71	2,261.2	17,963.6	1,487.696	6.9441
17	45,886	933,410	5,691.127	19.3420	72	2,050.0	15,702.4	1,373.861	6.6595
18	43,841	887,524	5,622.301	19.2441	73	1,850.8	13,652.3	1,262.916	6.3764
19	41,881	843,683	5,549.940	19.1449	74	1,662.8	11,801.5	1,154.555	6.0976
20	40,005	801,802	5,477.377	19.0427	75	1,485.4	10,138.7	1,048.798	5.8256
21	38,209	761,797	5,404.765	18.9374	76	1,318.6	8,653.4	946.008	5.5623
22	36,491	723,588	5,331.483	18.8293	77	1,162.9	7,334.7	847.038	5.3073
23	34,847	687,097	5,259.539	18.7173	78	1,018.5	6,171.8	752.749	5.0596
24	33,279	652,250	5,191.737	18.5994	79	885.95	5,153.30	664.034	4.8167
25	31,784	618,971	5,129.517	18.4744	80	765.15	4,267.36	581.385	4.5772
26	30,359	587,187	5,073.796	18.3412	81	655.57	3,502.21	504.757	4.3422
27	29,002	556,828	5,023.522	18.1998	82	556.61	2,846.64	434.027	4.1142
28	27,707	527,826	4,977.745	18.0502	83	468.04	2,290.03	369.425	3.8928
29	26,471	500,119	4,934.777	17.8931	84	389.61	1,821.99	311.150	3.6765
30	25,289	473,648	4,892.858	17.7293	85	320.86	1,432.38	259.179	3.4642
31	24,159	448,359	4,851.722	17.5586	86	260.87	1,111.52	213.010	3.2607
32	23,078	424,200	4,810.891	17.3812	87	208.91	850.65	172.283	3.0718
33	22,044	401,122	4,770.414	17.1967	88	164.60	641.73	136.968	2.8987
34	21,054	379,078	4,729.889	17.0052	89	127.66	477.13	107.112	2.7375
35	20,106	358,024	4,688.966	16.8066	90	97.550	349.471	82.501	2.5825
36	19,199	337,918	4,647.140	16.6011	91	73.423	251.921	62.574	2.4311
37	18,329	318,719	4,604.173	16.3889	92	54.330	178.498	46.643	2.2855
38	17,495	300,390	4,559.300	16.1703	93	39.431	124.169	34.084	2.1491
39	16,694	282,896	4,512.228	15.9456	94	28.012	84.738	24.363	2.0251
40	15,926	266,201	4,462.712	15.7150	95	19.459	56.726	17.016	1.9151
41	15,188	250,275	4,410.887	15.4782	96	13.213	37.267	11.608	1.8205
42	14,480	235,087	4,356.885	15.2350	97	8.7977	24.0539	7.7619	1.7341
43	13,800	220,607	4,300.086	14.9861	98	5.7420	15.2562	5.0850	1.6570
44	13,146	206,807	4,240.398	14.7316	99	3.6759	9.5142	3.2662	1.5882
45	12,517	193,661	4,177.349	14.4721	100	2.3165	5.8382	2.0651	1.5203
46	11,911	181,144	4,110.809	14.2078	101	1.4309	3.5217	1.2793	1.4612
47	11,329	169,233	4,041.070	13.9385	102	.86422	2.09083	.77419	1.4193
48	10,768	157,904	3,968.169	13.6644	103	.51554	1.22660	.46272	1.3792
49	10,228	147,136	3,892.044	13.3856	104	.30833	.71105	.27771	1.3061
50	9,708.1	136,908.3	3,812.554	13.1024	105	.17703	.40272	.15969	1.2748
51	9,207.2	127,200.2	3,729.708	12.8153	106	.10352	.22568	.09381	1.1799
52	8,724.4	117,993.0	3,643.332	12.5245	107	.05403	.12215	.04877	1.2605
53	8,258.5	109,268.6	3,553.108	12.2311	108	.03447	.06811	.03154	.9758
54	7,808.5	101,010.2	3,458.786	11.9359	109	.01649	.03364	.01504	1.0395

TABLE 27. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,954,696	6,919.234	18.5470	55	5,671.2	68,707.7	2,399.366	11.1153
1	93,328	1,854,696	5,008.757	18.8730	56	5,322.7	63,036.5	2,320.954	10.8430
2	88,780	1,761,368	4,905.356	18.8397	57	4,988.4	57,713.8	2,240.140	10.5696
3	84,482	1,672,588	4,835.385	18.7981	58	4,668.0	52,725.4	2,157.271	10.2951
4	80,401	1,588,106	4,776.973	18.7523	59	4,361.0	48,057.4	2,072.503	10.0199
5	76,528	1,507,705	4,732.312	18.7014	60	4,067.0	43,696.4	1,986.258	9.7440
6	72,845	1,431,177	4,693.509	18.6469	61	3,785.9	39,629.4	1,898.765	9.4677
7	69,340	1,358,332	4,657.975	18.5893	62	3,517.2	35,843.5	1,810.389	9.1909
8	66,007	1,288,992	4,626.163	18.5282	63	3,260.8	32,326.3	1,721.412	8.9137
9	62,836	1,222,985	4,598.445	18.4632	64	3,016.1	29,065.5	1,632.003	8.6369
10	59,820	1,160,149	4,575.117	18.3939	65	2,782.9	26,049.5	1,542.405	8.3607
11	56,953	1,100,329	4,556.407	18.3199	66	2,560.6	23,266.6	1,452.680	8.0863
12	54,223	1,043,376	4,538.588	18.2423	67	2,349.1	20,706.0	1,363.080	7.8145
13	51,621	989,153	4,518.436	18.1618	68	2,148.2	18,356.9	1,274.087	7.5452
14	49,136	937,532	4,491.162	18.0805	69	1,958.3	16,208.7	1,186.433	7.2770
15	46,759	888,396	4,454.124	17.9996	70	1,779.3	14,250.4	1,100.718	7.0090
16	44,484	841,638	4,406.480	17.9198	71	1,611.3	12,471.1	1,017.394	6.7400
17	42,309	797,153	4,349.762	17.8410	72	1,453.8	10,859.8	936.667	6.4700
18	40,232	754,844	4,286.603	17.7625	73	1,306.3	9,406.0	858.365	6.2007
19	38,250	714,612	4,220.515	17.6828	74	1,168.0	8,099.8	782.250	5.9350
20	36,362	676,362	4,154.559	17.6007	75	1,038.4	6,931.8	708.317	5.6755
21	34,565	640,000	4,088.873	17.5158	76	917.44	5,893.41	636.801	5.4238
22	32,853	605,435	4,022.896	17.4285	77	805.22	4,975.97	568.271	5.1796
23	31,224	572,582	3,958.433	17.3377	78	701.90	4,170.75	503.293	4.9421
24	29,677	541,358	3,897.969	17.2417	79	607.63	3,468.85	442.447	4.7088
25	28,209	511,681	3,842.748	17.1392	80	522.28	2,861.22	386.032	4.4783
26	26,816	483,472	3,793.531	17.0292	81	445.35	2,338.94	333.976	4.2519
27	25,495	456,656	3,749.336	16.9117	82	376.33	1,893.59	286.155	4.0318
28	24,241	431,161	3,709.286	16.7866	83	314.94	1,517.26	242.685	3.8177
29	23,049	406,921	3,671.872	16.6546	84	260.91	1,202.33	203.660	3.6081
30	21,915	383,872	3,635.546	16.5163	85	213.85	941.41	169.022	3.4022
31	20,836	361,956	3,600.068	16.3716	86	173.04	727.56	138.397	3.2045
32	19,809	341,120	3,565.020	16.2206	87	137.92	554.52	111.511	3.0207
33	18,831	321,312	3,530.442	16.0629	88	108.15	416.60	88.308	2.8522
34	17,900	302,481	3,495.988	15.8985	89	83.474	308.455	68.786	2.6952
35	17,013	284,581	3,461.362	15.7274	90	63.483	224.981	52.770	2.5440
36	16,167	267,568	3,426.140	15.5498	91	47.554	161.498	39.864	2.3961
37	15,362	251,400	3,390.128	15.3655	92	35.020	113.944	29.594	2.2537
38	14,593	236,039	3,352.700	15.1752	93	25.295	78.924	21.537	2.1201
39	13,859	221,446	3,313.623	14.9789	94	17.885	53.628	15.331	1.9986
40	13,158	207,588	3,272.714	14.7767	95	12.365	35.744	10.663	1.8908
41	12,489	194,430	3,230.100	14.5685	96	8.3559	23.3790	7.2427	1.7979
42	11,850	181,941	3,185.908	14.3540	97	5.5372	15.0230	4.8218	1.7131
43	11,239	170,091	3,139.648	14.1337	98	3.5067	9.4858	3.1450	1.6374
44	10,656	158,852	3,091.268	13.9078	99	2.2916	5.8891	2.0112	1.5699
45	10,097	148,196	3,040.405	13.6767	100	1.4372	3.5975	1.2659	1.5030
46	9,563.1	138,099.0	2,986.983	13.4408	101	.88356	2.16025	.78069	1.4449
47	9,052.0	128,535.9	2,931.259	13.1997	102	.53110	1.27668	.47031	1.4038
48	8,563.0	119,483.9	2,873.285	12.9535	103	.31531	.74557	.27981	1.3646
49	8,095.0	110,920.9	2,813.036	12.7024	104	.18768	.43026	.16719	1.3294
50	7,646.9	102,825.9	2,750.424	12.4468	105	.10724	.24257	.09569	1.2618
51	7,217.8	95,179.0	2,685.478	12.1867	106	.06242	.13532	.05597	1.1680
52	6,806.7	87,961.2	2,618.088	11.9227	107	.03242	.07290	.02895	1.2483
53	6,412.5	81,154.5	2,548.031	11.6556	108	.02058	.04047	.01866	.9661
54	6,034.3	74,741.9	2,475.140	11.3862	109	.00980	.01989	.00885	1.0289

TABLE 28. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 5.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,805,134	5,893.506	17.0513	55	4,367.1	50,788.2	1,719.423	10.6296
1	92,885	1,705,134	3,992.084	17.3574	56	4,079.4	46,421.1	1,659.326	10.3794
2	87,941	1,612,248	3,889.661	17.3334	57	3,805.1	42,341.7	1,597.683	10.1277
3	83,287	1,524,308	3,820.680	17.3019	58	3,543.8	38,536.6	1,534.772	9.8744
4	78,888	1,441,021	3,763.368	17.2667	59	3,295.0	34,992.8	1,470.724	9.6200
5	74,731	1,362,133	3,719.755	17.2270	60	3,058.4	31,697.8	1,405.868	9.3643
6	70,798	1,287,402	3,682.042	17.1842	61	2,833.4	28,639.5	1,340.387	9.1077
7	67,073	1,216,604	3,647.670	17.1386	62	2,619.9	25,806.0	1,274.558	8.8500
8	63,545	1,149,531	3,617.045	17.0900	63	2,417.4	23,186.1	1,208.595	8.5915
9	60,206	1,085,986	3,590.487	17.0379	64	2,225.4	20,768.8	1,142.626	8.3328
10	57,045	1,025,780	3,568.241	16.9820	65	2,043.5	18,543.4	1,076.831	8.0741
11	54,053	968,735	3,550.484	16.9219	66	1,871.4	16,499.9	1,011.255	7.8167
12	51,219	914,682	3,533.652	16.8584	67	1,708.7	14,628.4	946.080	7.5611
13	48,529	863,464	3,514.707	16.7926	68	1,555.2	12,919.7	881.654	7.3075
14	45,974	814,934	3,489.188	16.7260	69	1,411.0	11,364.5	818.498	7.0545
15	43,543	768,960	3,454.697	16.6599	70	1,275.9	9,953.6	757.032	6.8010
16	41,229	725,418	3,410.541	16.5950	71	1,150.0	8,677.6	697.564	6.5461
17	39,027	684,189	3,358.223	16.5312	72	1,032.7	7,527.7	640.223	6.2896
18	36,934	645,162	3,300.240	16.4678	73	923.47	6,495.02	584.867	6.0333
19	34,948	608,228	3,239.856	16.4036	74	821.77	5,571.55	531.312	5.7799
20	33,066	573,280	3,179.879	16.3372	75	727.16	4,749.78	479.540	5.5320
21	31,283	540,213	3,120.429	16.2685	76	639.41	4,022.62	429.697	5.2912
22	29,593	508,930	3,060.999	16.1977	77	558.54	3,383.22	382.161	5.0573
23	27,992	479,337	3,003.209	16.1239	78	484.56	2,824.68	337.303	4.8294
24	26,479	451,345	2,949.260	16.0453	79	417.49	2,340.12	295.497	4.6052
25	25,050	424,866	2,900.223	15.9610	80	357.15	1,922.62	256.919	4.3832
26	23,700	399,816	2,856.724	15.8697	81	303.10	1,565.47	221.490	4.1648
27	22,426	376,116	2,817.850	15.7716	82	254.91	1,262.37	189.098	3.9522
28	21,222	353,690	2,782.788	15.6665	83	212.31	1,007.46	159.793	3.7451
29	20,083	332,468	2,750.189	15.5550	84	175.06	795.15	133.608	3.5421
30	19,004	312,386	2,718.688	15.4377	85	142.80	620.09	110.478	3.3422
31	17,983	293,381	2,688.069	15.3145	86	115.01	477.28	90.124	3.1500
32	17,015	275,399	2,657.964	15.1854	87	91.226	362.275	72.340	2.9712
33	16,099	258,383	2,628.403	15.0500	88	71.196	271.049	57.065	2.8071
34	15,230	242,285	2,599.088	14.9083	89	54.693	199.853	44.274	2.6541
35	14,407	227,055	2,569.765	14.7603	90	41.397	145.160	33.830	2.5065
36	13,626	212,648	2,540.080	14.6061	91	30.863	103.763	25.454	2.3620
37	12,885	199,022	2,509.873	14.4455	92	22.621	72.900	18.820	2.2227
38	12,182	186,137	2,478.627	14.2791	93	16.262	50.279	13.641	2.0919
39	11,515	173,954	2,446.159	14.1069	94	11.443	34.017	9.670	1.9727
40	10,881	162,439	2,412.329	13.9291	95	7.8738	22.5741	6.6970	1.8670
41	10,278	151,559	2,377.257	13.7453	96	5.2958	14.7003	4.5294	1.7758
42	9,706.4	141,280.1	2,341.059	13.5554	97	3.4927	9.4045	3.0024	1.6926
43	9,162.6	131,573.8	2,303.346	13.3598	98	2.2580	5.9118	1.9498	1.6182
44	8,645.7	122,411.1	2,264.092	13.1586	99	1.4318	3.6538	1.2413	1.5519
45	8,153.9	113,765.4	2,223.019	12.9522	100	.89374	2.22202	.77790	1.4862
46	7,685.9	105,611.5	2,180.083	12.7409	101	.54684	1.32827	.47759	1.4290
47	7,240.6	97,925.6	2,135.510	12.5244	102	.32714	.78143	.28640	1.3887
48	6,817.0	90,685.0	2,089.357	12.3027	103	.19330	.45429	.16961	1.3502
49	6,413.9	83,868.0	2,041.620	12.0760	104	.11451	.26098	.10090	1.2791
50	6,030.1	77,454.1	1,992.246	11.8445	105	.06512	.14647	.05749	1.2490
51	5,664.8	71,423.9	1,941.274	11.6084	106	.03772	.08134	.03348	1.1563
52	5,316.8	65,759.1	1,888.634	11.3681	107	.01950	.04362	.01723	1.2364
53	4,985.2	60,442.3	1,834.171	11.1244	108	.01232	.02411	.01106	.9566
54	4,668.9	55,457.1	1,777.773	10.8780	109	.00584	.01179	.00522	1.0185

TABLE 29. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 6 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,676,182	5,121.761	15.7618	55	3,367.1	37,641.2	1,236.502	10.1790
1	92,447	1,576,182	3,229.309	16.0495	56	3,130.4	34,274.1	1,190.385	9.9487
2	87,113	1,483,735	3,127.849	16.0323	57	2,906.2	31,143.6	1,143.304	9.7165
3	82,114	1,396,622	3,059.840	16.0083	58	2,693.8	28,237.5	1,095.483	9.4823
4	77,410	1,314,508	3,003.601	15.9812	59	2,492.9	25,543.7	1,047.026	9.2466
5	72,985	1,237,099	2,961.007	15.9499	60	2,302.9	23,050.8	998.189	9.0092
6	68,818	1,164,113	2,924.349	15.9159	61	2,123.5	20,747.8	949.114	8.7705
7	64,889	1,095,296	2,891.097	15.8795	62	1,954.2	18,624.3	900.011	8.5303
8	61,187	1,030,407	2,861.608	15.8404	63	1,794.6	16,670.1	851.041	8.2889
9	57,698	969,220	2,836.157	15.7983	64	1,644.3	14,875.5	802.297	8.0467
10	54,411	911,522	2,814.938	15.7527	65	1,502.8	13,231.2	753.911	7.8041
11	51,314	857,112	2,798.080	15.7033	66	1,369.8	11,728.3	705.913	7.5622
12	48,393	805,798	2,782.177	15.6510	67	1,244.8	10,358.5	658.434	7.3217
13	45,636	757,405	2,764.361	15.5965	68	1,127.6	9,113.8	611.722	7.0825
14	43,029	711,768	2,740.477	15.5415	69	1,018.2	7,986.2	566.147	6.8435
15	40,562	668,739	2,708.348	15.4870	70	916.41	6,967.97	522.000	6.6035
16	38,225	628,178	2,667.409	15.4338	71	822.03	6,051.56	479.490	6.3617
17	36,013	589,953	2,619.131	15.3818	72	734.70	5,229.53	438.693	6.1179
18	33,921	553,940	2,565.879	15.3303	73	653.92	4,494.82	399.495	5.8737
19	31,946	520,019	2,510.683	15.2782	74	579.16	3,840.90	361.752	5.6318
20	30,083	488,074	2,456.117	15.2243	75	510.06	3,261.74	325.436	5.3948
21	28,326	457,991	2,402.287	15.1684	76	446.39	2,751.68	290.639	5.1642
22	26,669	429,664	2,348.728	15.1108	77	388.10	2,305.29	257.609	4.9400
23	25,108	402,995	2,296.893	15.0505	78	335.11	1,917.19	226.587	4.7211
24	23,639	377,887	2,248.732	14.9860	79	287.36	1,582.08	197.811	4.5055
25	22,257	354,248	2,205.161	14.9163	80	244.67	1,294.72	171.783	4.2917
26	20,959	331,992	2,166.494	14.8403	81	206.66	1,050.05	147.227	4.0810
27	19,738	311,033	2,132.479	14.7580	82	172.98	843.39	125.245	3.8755
28	18,590	291,295	2,101.765	14.6693	83	143.40	670.40	105.452	3.6751
29	17,509	272,705	2,073.343	14.5747	84	117.68	527.00	87.850	3.4783
30	16,491	255,195	2,046.008	14.4748	85	95.544	409.323	72.375	3.2841
31	15,531	238,704	2,019.563	14.3694	86	76.582	313.779	58.821	3.0973
32	14,626	223,173	1,993.685	14.2585	87	60.461	237.196	47.035	2.9231
33	13,773	208,547	1,968.394	14.1418	88	46.963	176.735	36.959	2.7633
34	12,968	194,774	1,943.432	14.0192	89	35.907	129.773	28.561	2.6141
35	12,209	181,806	1,918.582	13.8905	90	27.050	93.866	21.737	2.4701
36	11,493	169,596	1,893.543	13.7561	91	20.071	66.816	16.289	2.3289
37	10,817	158,103	1,868.784	13.6156	92	14.642	46.744	11.996	2.1925
38	10,179	147,285	1,842.076	13.4696	93	10.476	32.102	8.659	2.0643
39	9,575.8	137,106.4	1,815.076	13.3180	94	7.3371	21.6263	6.1130	1.9475
40	9,005.8	127,530.6	1,787.076	13.1610	95	5.0247	14.2892	4.2159	1.8438
41	8,467.1	118,524.8	1,758.184	12.9982	96	3.3636	9.2644	2.8392	1.7543
42	7,958.2	110,057.7	1,728.505	12.8295	97	2.2079	5.9008	1.8739	1.6726
43	7,476.9	102,099.5	1,697.731	12.6552	98	1.4206	3.6929	1.2116	1.5995
44	7,021.8	94,622.5	1,665.849	12.4755	99	.89660	2.27228	.76798	1.5343
45	6,591.2	87,600.7	1,632.648	12.2906	100	.55702	1.37568	.47915	1.4697
46	6,183.5	81,009.5	1,598.105	12.1008	101	.33920	.81865	.29287	1.4134
47	5,797.8	74,826.0	1,562.414	11.9058	102	.20197	.47944	.17483	1.3738
48	5,432.9	69,028.1	1,525.632	11.7056	103	.11877	.27747	.10307	1.3361
49	5,087.5	63,595.2	1,487.767	11.5003	104	.07003	.15869	.06105	1.2660
50	4,760.5	58,507.7	1,448.788	11.2901	105	.03964	.08866	.03462	1.2365
51	4,451.0	53,747.2	1,408.737	11.0752	106	.02285	.04901	.02007	1.1448
52	4,157.9	49,296.2	1,367.572	10.8560	107	.01176	.02616	.01027	1.2247
53	3,880.2	45,138.2	1,325.181	10.6330	108	.00739	.01440	.00658	.9473
54	3,616.9	41,258.1	1,281.491	10.4072	109	.00348	.00700	.00309	1.0083

TABLE 30. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 6.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,564,159	4,534.889	14.6416	55	2,599.3	27,968.9	892.270	9.7602
1	92,013	1,464,159	2,651.321	14.9125	56	2,405.2	25,369.6	856.837	9.5477
2	86,297	1,372,146	2,550.811	14.9003	57	2,222.4	22,964.4	820.833	9.3331
3	80,963	1,285,849	2,483.756	14.8820	58	2,050.4	20,742.0	784.434	9.1162
4	75,966	1,204,886	2,428.566	14.8608	59	1,888.5	18,697.6	747.725	8.8974
5	71,288	1,128,920	2,386.963	14.8360	60	1,736.4	16,803.1	710.902	8.6767
6	66,902	1,057,632	2,351.325	14.8088	61	1,593.6	15,066.6	674.073	8.4543
7	62,786	990,730	2,319.150	14.7794	62	1,459.7	13,473.0	637.396	8.2300
8	58,926	927,944	2,290.751	14.7477	63	1,334.2	12,013.3	600.989	8.0042
9	55,305	869,018	2,266.355	14.7132	64	1,216.7	10,679.1	564.921	7.7771
10	51,909	813,713	2,246.111	14.6757	65	1,106.8	9,462.4	529.286	7.5493
11	48,725	761,804	2,230.104	14.6347	66	1,004.1	8,355.6	494.103	7.3217
12	45,736	713,079	2,215.075	14.5911	67	908.15	7,351.53	459.464	7.0951
13	42,928	667,342	2,198.316	14.5456	68	818.80	6,443.38	425.544	6.8693
14	40,286	624,414	2,175.954	14.4996	69	735.89	5,624.58	392.605	6.6432
15	37,797	584,128	2,146.015	14.4543	70	659.22	4,888.69	360.848	6.4159
16	35,452	546,331	2,108.045	14.4104	71	588.55	4,229.47	330.412	6.1863
17	33,244	510,879	2,063.479	14.3676	72	523.56	3,640.92	301.340	5.9542
18	31,166	477,635	2,014.552	14.3255	73	463.80	3,117.36	273.539	5.7213
19	29,213	446,469	1,964.077	14.2830	74	408.85	2,653.56	246.894	5.4903
20	27,381	417,256	1,914.413	14.2390	75	358.38	2,244.71	221.378	5.2635
21	25,661	389,875	1,865.648	14.1934	76	312.17	1,886.33	197.044	5.0426
22	24,046	364,214	1,817.357	14.1463	77	270.13	1,574.16	174.054	4.8274
23	22,532	340,168	1,770.838	14.0969	78	232.15	1,304.03	152.562	4.6172
24	21,114	317,636	1,727.821	14.0438	79	198.14	1,071.88	132.721	4.4097
25	19,787	296,522	1,689.086	13.9859	80	167.91	873.74	114.584	4.2036
26	18,545	276,735	1,655.049	13.9224	81	141.16	765.83	98.084	4.0001
27	17,383	258,190	1,624.916	13.8530	82	117.60	664.67	83.140	3.8015
28	16,295	240,807	1,597.994	13.7778	83	97.032	574.063	69.747	3.6074
29	15,276	224,512	1,573.198	13.6972	84	79.256	490.031	57.892	3.4165
30	14,320	209,236	1,549.462	13.6117	85	64.045	417.775	47.519	3.2279
31	13,423	194,916	1,526.606	13.5212	86	51.094	352.730	38.476	3.0461
32	12,581	181,493	1,504.346	13.4255	87	40.148	295.637	30.650	2.8765
33	11,792	168,912	1,482.694	13.3244	88	31.039	245.488	23.990	2.7208
34	11,051	157,120	1,461.422	13.2178	89	23.620	198.449	18.466	2.5753
35	10,355	146,069	1,440.346	13.1057	90	17.710	150.829	13.998	2.4347
36	9,702.2	135,713.9	1,419.209	12.9879	91	13.080	113.119	10.448	2.2966
37	9,088.8	126,011.7	1,397.903	12.8646	92	9.4967	80.0391	7.6633	2.1631
38	8,512.2	116,922.9	1,376.070	12.7359	93	6.7629	55.5423	5.5092	2.0375
39	7,970.2	108,410.7	1,353.596	12.6020	94	4.7143	38.7794	3.8733	1.9229
40	7,460.6	100,440.5	1,330.401	12.4628	95	3.2133	26.0652	2.6601	1.8211
41	6,981.4	92,979.9	1,306.579	12.3182	96	2.1409	17.8518	1.7838	1.7333
42	6,531.0	85,998.5	1,282.222	12.1678	97	1.3987	11.7109	1.1723	1.6530
43	6,107.2	79,467.5	1,257.086	12.0121	98	.89576	7.31213	.75465	1.5812
44	5,708.6	73,360.3	1,231.167	11.8509	99	.56269	4.41637	.47624	1.5171
45	5,333.3	67,651.8	1,204.302	11.6848	100	.34793	.85367	.29583	1.4535
46	4,980.0	62,318.5	1,176.482	11.5139	101	.21086	.50574	.18001	1.3982
47	4,647.4	57,338.5	1,147.873	11.3377	102	.12497	.29485	.10698	1.3593
48	4,334.4	52,691.1	1,118.528	11.1564	103	.07315	.16987	.06278	1.3222
49	4,039.8	48,356.7	1,088.461	10.9700	104	.04293	.09672	.03702	1.2531
50	3,762.4	44,316.9	1,057.654	10.7788	105	.02418	.05379	.02090	1.2243
51	3,501.3	40,554.4	1,026.149	10.5827	106	.01387	.02960	.01207	1.1936
52	3,255.4	37,053.1	993.919	10.3821	107	.00710	.01573	.00614	1.1633
53	3,023.7	33,797.8	960.886	10.1778	108	.00444	.00862	.00392	.9382
54	2,805.2	30,774.1	927.000	9.9703	109	.00208	.00417	.00183	.9983

TABLE 31. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 7 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,466,151	4,083.598	13.6615	55	2,009.0	20,833.7	646.028	9.3703
1	91,583	1,366,151	2,208.832	13.9170	56	1,850.3	18,824.7	618.770	9.1739
2	85,492	1,274,568	2,109.260	13.9086	57	1,701.7	16,974.4	591.202	8.9751
3	79,833	1,189,075	2,043.139	13.8945	58	1,562.6	15,272.7	563.462	8.7738
4	74,556	1,109,242	1,988.974	13.8779	59	1,432.5	13,710.1	535.616	8.5705
5	69,638	1,034,686	1,948.334	13.8581	60	1,311.0	12,277.6	507.814	8.3649
6	65,048	965,048	1,913.684	13.8360	61	1,197.6	10,966.6	480.138	8.1573
7	60,761	900,000	1,882.546	13.8121	62	1,091.8	9,769.0	452.705	7.9476
8	56,759	839,239	1,855.192	13.7861	63	993.27	8,677.19	425.601	7.7360
9	53,022	782,481	1,831.803	13.7576	64	901.56	7,683.92	398.875	7.5229
10	49,534	729,458	1,812.485	13.7264	65	816.30	6,782.36	372.594	7.3087
11	46,278	679,924	1,797.282	13.6921	66	737.07	5,966.06	346.766	7.0943
12	43,237	633,646	1,783.074	13.6553	67	663.54	5,228.99	321.457	6.8804
13	40,392	590,409	1,767.305	13.6169	68	595.46	4,565.45	296.789	6.6671
14	37,729	550,017	1,746.363	13.5782	69	532.67	3,969.99	272.947	6.4531
15	35,233	512,288	1,718.455	13.5402	70	474.94	3,437.32	250.067	6.2374
16	32,892	477,056	1,683.227	13.5035	71	422.04	2,962.38	228.242	6.0192
17	30,699	444,163	1,642.072	13.4681	72	373.68	2,540.34	207.492	5.7981
18	28,646	413,464	1,597.101	13.4335	73	329.49	2,166.66	187.742	5.5759
19	26,726	384,818	1,550.924	13.3987	74	289.09	1,837.17	168.902	5.3550
20	24,932	358,092	1,505.700	13.3626	75	252.22	1,548.08	150.944	5.1378
21	23,257	333,160	1,461.503	13.3251	76	218.67	1,295.86	133.898	4.9260
22	21,692	309,903	1,417.941	13.2865	77	188.34	1,077.19	117.869	4.7194
23	20,231	288,211	1,376.173	13.2459	78	161.10	888.85	102.955	4.5172
24	18,869	267,980	1,337.730	13.2020	79	136.86	727.75	89.250	4.3175
25	17,600	249,110	1,303.275	13.1538	80	115.44	590.89	76.781	4.1187
26	16,419	231,510	1,273.141	13.1004	81	96.595	475.449	65.490	3.9221
27	15,318	215,092	1,246.587	13.0418	82	80.097	378.854	55.312	3.7299
28	14,292	199,774	1,222.974	12.9777	83	65.778	298.757	46.233	3.5419
29	13,336	185,481	1,201.327	12.9087	84	53.476	232.979	38.234	3.3567
30	12,443	172,146	1,180.703	12.8352	85	43.011	179.503	31.268	3.1734
31	11,609	159,703	1,160.936	12.7571	86	34.153	136.492	25.224	2.9965
32	10,830	148,094	1,141.775	12.6742	87	26.711	102.339	20.016	2.8313
33	10,103	137,264	1,123.223	12.5863	88	20.554	75.628	15.606	2.6794
34	9,424.0	127,161.0	1,105.083	12.4933	89	15.568	55.074	11.965	2.5375
35	8,789.6	117,737.0	1,087.194	12.3950	90	11.619	39.505	9.034	2.4002
36	8,196.7	108,947.3	1,069.336	12.2916	91	8.5406	27.8865	6.7163	2.2652
37	7,642.6	100,750.6	1,051.420	12.1828	92	6.1720	19.3459	4.9064	2.1344
38	7,124.3	93,108.0	1,033.147	12.0690	93	4.3748	13.1739	3.5129	2.0113
39	6,639.5	85,983.7	1,014.426	11.9503	94	3.0353	8.7991	2.4597	1.8989
40	6,185.9	79,344.2	995.193	11.8265	95	2.0593	5.7638	1.6822	1.7990
41	5,761.6	73,158.2	975.533	11.6976	96	1.3656	3.7045	1.1233	1.7127
42	5,364.7	67,396.7	955.527	11.5631	97	.88802	2.33894	.73500	1.6339
43	4,993.1	62,032.0	934.976	11.4234	98	.56603	1.45091	.47111	1.5633
44	4,645.4	57,038.9	913.884	11.2786	99	.35390	.88487	.29601	1.5003
45	4,319.7	52,393.5	892.124	11.1289	100	.21781	.53097	.18307	1.4377
46	4,014.7	48,073.7	869.697	10.9744	101	.13140	.31315	.11091	1.3832
47	3,729.1	44,059.0	846.741	10.8149	102	.07750	.18175	.06561	1.3450
48	3,461.7	40,329.9	823.304	10.6503	103	.04515	.10425	.03833	1.3087
49	3,211.3	36,868.2	799.403	10.4806	104	.02637	.05909	.02250	1.2405
50	2,976.9	33,656.9	775.028	10.3061	105	.01479	.03271	.01264	1.2122
51	2,757.3	30,680.0	750.218	10.1267	106	.00844	.01792	.00727	1.1225
52	2,551.7	27,922.7	724.955	9.9429	107	.00430	.00948	.00368	1.2020
53	2,359.0	25,371.0	699.183	9.7551	108	.00268	.00517	.00234	.9292
54	2,178.3	23,012.0	672.870	9.5641	109	.00125	.00249	.00109	.9885

TABLE 32. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 7.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,379,834	3,732.516	12.7983	55	1,554.6	15,556.4	469.270	9.0067
1	91,157	1,279,834	1,866.470	13.0399	56	1,425.1	14,001.8	448.275	8.8248
2	84,699	1,188,677	1,767.822	13.0342	57	1,304.6	12,576.6	427.140	8.6404
3	78,724	1,103,978	1,702.620	13.0233	58	1,192.4	11,272.0	405.973	8.4533
4	73,179	1,025,254	1,649.455	13.0103	59	1,088.1	10,079.6	384.823	8.2639
5	68,034	952,075	1,609.751	12.9942	60	991.13	8,991.59	363.805	8.0721
6	63,253	884,041	1,576.057	12.9762	61	901.15	8,000.46	342.979	7.8780
7	58,810	820,788	1,545.919	12.9566	62	817.73	7,099.31	322.433	7.6817
8	54,681	761,978	1,519.566	12.9350	63	740.48	6,281.58	302.227	7.4832
9	50,843	707,297	1,497.138	12.9113	64	668.98	5,541.10	282.395	7.2829
10	47,278	656,453	1,478.701	12.8850	65	602.90	4,872.12	262.984	7.0811
11	43,965	609,176	1,464.258	12.8560	66	541.85	4,269.22	243.998	6.8790
12	40,884	565,211	1,450.823	12.8247	67	485.53	3,727.37	225.478	6.6769
13	38,017	524,327	1,435.981	12.7919	68	433.69	3,241.84	207.512	6.4751
14	35,345	486,310	1,416.362	12.7590	69	386.15	2,808.15	190.228	6.2723
15	32,853	450,965	1,390.339	12.7267	70	342.70	2,422.01	173.719	6.0675
16	30,528	418,112	1,357.643	12.6959	71	303.11	2,079.31	158.044	5.8599
17	28,360	387,584	1,319.624	12.6664	72	267.13	1,776.20	143.211	5.6491
18	26,340	359,223	1,278.272	12.6378	73	234.44	1,509.07	129.158	5.4369
19	24,460	332,883	1,236.010	12.6091	74	204.74	1,274.63	115.815	5.2255
20	22,713	308,422	1,194.812	12.5793	75	177.80	1,069.88	103.156	5.0174
21	21,088	285,710	1,154.737	12.5485	76	153.43	892.08	91.195	4.8141
22	19,577	264,622	1,115.421	12.5167	77	131.53	738.65	80.001	4.6156
23	18,174	245,044	1,077.901	12.4832	78	111.99	607.12	69.633	4.4211
24	16,872	226,870	1,043.527	12.4468	79	94.695	495.126	60.151	4.2287
25	15,664	209,999	1,012.862	12.4065	80	79.501	400.431	51.564	4.0368
26	14,544	194,335	986.168	12.3615	81	66.214	320.930	43.824	3.8468
27	13,506	179,790	962.755	12.3116	82	54.650	254.716	36.879	3.6608
28	12,543	166,284	942.032	12.2569	83	44.672	200.066	30.714	3.4786
29	11,649	153,741	923.122	12.1975	84	36.148	155.394	25.307	3.2988
30	10,819	142,092	905.190	12.1341	85	28.939	119.246	20.619	3.1206
31	10,047	131,273	888.083	12.0663	86	22.872	90.307	16.572	2.9484
32	9,329.2	121,226.4	871.577	11.9943	87	17.805	67.435	13.100	2.7874
33	8,662.4	111,897.2	855.671	11.9175	88	13.637	49.630	10.175	2.6393
34	8,042.6	103,234.7	840.190	11.8360	89	10.281	35.992	7.770	2.5008
35	7,466.3	95,192.1	824.994	11.7496	90	7.6372	25.7111	5.8434	2.3666
36	6,930.3	87,725.8	809.896	11.6583	91	5.5878	18.0740	4.3268	2.2345
37	6,431.7	80,795.5	794.818	11.5620	92	4.0194	12.4862	3.1482	2.1065
38	5,967.7	74,363.8	779.512	11.4611	93	2.8357	8.4668	2.2450	1.9858
39	5,535.7	68,396.1	763.903	11.3554	94	1.9583	5.6311	1.5654	1.8755
40	5,133.5	62,860.4	747.942	11.2450	95	1.3224	3.6728	1.0662	1.7774
41	4,759.2	57,726.8	731.703	11.1296	96	.87288	2.35038	.70890	1.6927
42	4,410.7	52,967.7	715.254	11.0090	97	.56497	1.47750	.46189	1.6152
43	4,086.1	48,557.0	698.436	10.8834	98	.35844	.91252	.29478	1.5458
44	3,783.9	44,470.9	681.255	10.7527	99	.22307	.55407	.18441	1.4839
45	3,502.2	40,687.0	663.614	10.6174	100	.13665	.33100	.11355	1.4223
46	3,239.8	37,184.8	645.515	10.4775	101	.08205	.19435	.06849	1.3686
47	2,995.3	33,945.0	627.076	10.3326	102	.04817	.11230	.04034	1.3111
48	2,767.6	30,949.6	608.339	10.1828	103	.02793	.06412	.02346	1.2594
49	2,555.5	28,182.0	589.319	10.0280	104	.01624	.03618	.01371	1.2282
50	2,357.9	25,626.5	570.012	9.8683	105	.00906	.01994	.00767	1.2004
51	2,173.8	23,268.6	550.452	9.7039	106	.00515	.01088	.00439	1.1717
52	2,002.4	21,094.8	530.628	9.5350	107	.00261	.00572	.00221	1.1410
53	1,842.5	19,092.4	510.499	9.3621	108	.00162	.00311	.00140	.9204
54	1,693.5	17,249.9	490.041	9.1858	109	.00075	.00149	.00065	.9789

TABLE 33. UNITED STATES WHITE MALES: 1969-71--ACTUARIAL FUNCTIONS AT 8 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,303,343	3,456.097	12.0334	55	1,204.4	11,643.2	341.960	8.6671
1	90,735	1,203,343	1,598.689	12.2621	56	1,099.0	10,438.7	325.770	8.4983
2	83,916	1,112,608	1,500.953	12.2585	57	1,001.4	9,339.7	309.547	8.3269
3	77,636	1,028,691	1,436.652	12.2502	58	911.03	8,338.36	293.374	8.1527
4	71,833	951,055	1,384.465	12.2398	59	827.46	7,427.33	277.290	7.9760
5	66,473	879,222	1,345.672	12.2267	60	750.26	6,599.86	261.380	7.7968
6	61,517	812,749	1,312.903	12.2119	61	678.99	5,849.61	245.688	7.6151
7	56,931	751,232	1,283.729	12.1956	62	613.29	5,170.61	230.278	7.4310
8	52,688	694,302	1,258.336	12.1776	63	552.77	4,557.33	215.195	7.2445
9	48,764	641,614	1,236.825	12.1576	64	497.09	4,004.55	200.459	7.0560
10	45,134	592,850	1,219.224	12.1353	65	445.91	3,507.46	186.102	6.8658
11	41,777	547,716	1,205.500	12.1105	66	398.91	3,061.55	172.124	6.6749
12	38,670	505,939	1,192.792	12.0836	67	355.79	2,662.64	158.553	6.4838
13	35,791	467,269	1,178.819	12.0554	68	316.33	2,306.85	145.449	6.2926
14	33,122	431,478	1,160.434	12.0270	69	280.35	1,990.53	132.901	6.1002
15	30,644	398,356	1,136.161	11.9995	70	247.65	1,710.18	120.970	5.9056
16	28,344	367,712	1,105.804	11.9733	71	218.03	1,462.53	109.695	5.7079
17	26,209	339,368	1,070.669	11.9485	72	191.26	1,244.50	99.075	5.5068
18	24,230	313,159	1,032.631	11.9246	73	167.08	1,053.24	89.060	5.3039
19	22,396	288,930	993.935	11.9009	74	145.24	886.16	79.595	5.1015
20	20,700	266,533	956.390	11.8763	75	125.54	740.92	70.657	4.9019
21	19,130	245,834	920.036	11.8507	76	107.83	615.39	62.251	4.7067
22	17,677	226,704	884.535	11.8245	77	92.016	507.550	54.419	4.5159
23	16,334	209,027	850.813	11.7968	78	77.981	415.534	47.200	4.3287
24	15,094	192,692	820.061	11.7665	79	65.632	337.554	40.628	4.1431
25	13,948	177,599	792.756	11.7327	80	54.846	271.921	34.704	3.9579
26	12,891	163,650	769.096	11.6946	81	45.469	217.075	29.389	3.7741
27	11,916	150,759	748.440	11.6521	82	37.354	171.606	24.643	3.5940
28	11,015	138,843	730.241	11.6050	83	30.392	134.252	20.448	3.4173
29	10,182	127,828	713.713	11.5538	84	24.479	103.860	16.786	3.2427
30	9,412.6	117,645.9	698.111	11.4987	85	19.507	79.380	13.627	3.0694
31	8,700.6	108,233.3	683.296	11.4398	86	15.346	59.874	10.911	2.9016
32	8,041.9	99,532.7	669.068	11.3768	87	11.891	44.528	8.593	2.7447
33	7,432.5	91,490.9	655.420	11.3095	88	9.0652	32.6370	6.6477	2.6002
34	6,868.7	84,058.3	642.199	11.2378	89	6.8028	23.5717	5.0567	2.4650
35	6,347.0	77,189.6	629.280	11.1615	90	5.0299	16.7690	3.7877	2.3339
36	5,864.1	70,842.6	616.505	11.0807	91	3.6631	11.7391	2.7936	2.2047
37	5,417.0	64,978.5	603.806	10.9952	92	2.6227	8.0760	2.0245	2.0792
38	5,002.9	59,561.4	590.974	10.9053	93	1.8418	5.4533	1.4378	1.9609
39	4,619.3	54,558.5	577.949	10.8109	94	1.2660	3.6115	.9985	1.8526
40	4,263.9	49,939.2	564.692	10.7121	95	.85096	2.34546	.67722	1.7562
41	3,934.6	45,675.3	551.267	10.6086	96	.55909	1.49449	.44839	1.6730
42	3,629.6	41,740.7	537.730	10.5000	97	.36020	.93539	.29091	1.5969
43	3,347.0	38,111.0	523.954	10.3866	98	.22747	.57519	.18486	1.5286
44	3,085.1	34,764.0	509.947	10.2685	99	.14090	.34772	.11514	1.4678
45	2,842.2	31,679.0	495.630	10.1459	100	.08591	.20681	.07059	1.4071
46	2,617.1	28,836.8	481.011	10.0187	101	.05135	.12089	.04239	1.3543
47	2,408.4	26,219.7	466.185	9.8868	102	.03001	.06954	.02485	1.3174
48	2,215.0	23,811.3	451.189	9.7501	103	.01732	.03953	.01439	1.2824
49	2,035.8	21,596.3	436.037	9.6085	104	.01002	.02221	.00837	1.2160
50	1,869.7	19,560.6	420.728	9.4621	105	.00556	.01218	.00466	1.1889
51	1,715.7	17,690.9	405.290	9.3110	106	.00315	.00662	.00266	1.1011
52	1,573.1	15,975.2	389.716	9.1555	107	.00159	.00346	.00133	1.1801
53	1,440.8	14,402.1	373.975	8.9959	108	.00098	.00187	.00084	.9118
54	1,318.1	12,961.3	358.053	8.8330	109	.00045	.00089	.00038	.9695

TABLE 34. UNITED STATES WHITE FEMALES: 1969-71--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	2,990,394	12,901.159	28.9039	55	17,784	308,307	8,804.586	16.3358
1	95,600	2,890,394	11,413.780	29.2342	56	17,146	290,523	8,683.851	15.9444
2	92,721	2,794,794	11,319.520	29.1419	57	16,520	273,377	8,557.730	15.5481
3	89,961	2,700,072	11,260.036	29.0360	58	15,908	256,857	8,426.279	15.1469
4	87,293	2,612,111	11,212.058	28.9235	59	15,308	240,949	8,289.741	14.7404
5	84,711	2,524,818	11,172.378	28.8052	60	14,720	225,642	8,148.183	14.3286
6	82,211	2,440,107	11,139.716	28.6811	61	14,145	210,921	8,001.356	13.9117
7	79,788	2,357,897	11,111.258	28.5521	62	13,580	196,777	7,848.886	13.4899
8	77,439	2,278,109	11,085.997	28.4182	63	13,026	183,196	7,690.139	13.0640
9	75,161	2,200,670	11,063.771	28.2794	64	12,481	170,171	7,524.554	12.6344
10	72,952	2,125,509	11,044.424	28.1355	65	11,944	157,690	7,351.347	12.2021
11	70,810	2,052,557	11,027.086	27.9867	66	11,415	145,745	7,170.108	11.7677
12	68,731	1,981,746	11,010.253	27.8334	67	10,893	134,330	6,980.346	11.3319
13	66,712	1,913,015	10,993.229	27.6757	68	10,376	123,437	6,781.238	10.8959
14	64,749	1,846,303	10,973.395	27.5147	69	9,865.2	113,060.8	6,572.190	10.4605
15	62,840	1,781,554	10,949.647	27.3508	70	9,358.8	103,195.6	6,353.064	10.0266
16	60,981	1,718,714	10,921.604	27.1843	71	8,857.9	93,836.8	6,124.748	9.5936
17	59,172	1,657,733	10,888.933	27.0153	72	8,362.6	84,979.0	5,887.486	9.1618
18	57,414	1,598,561	10,853.689	26.8428	73	7,871.6	76,616.4	5,640.029	8.7333
19	55,706	1,541,147	10,818.332	26.6657	74	7,382.9	68,744.8	5,380.592	8.3114
20	54,049	1,485,441	10,783.450	26.4834	75	6,895.1	61,361.9	5,107.902	7.8993
21	52,441	1,431,392	10,749.585	26.2955	76	6,409.5	54,466.8	4,823.058	7.4979
22	50,880	1,378,952	10,716.705	26.1019	77	5,927.9	48,057.3	4,528.128	7.1070
23	49,366	1,328,071	10,684.784	25.9023	78	5,452.2	42,129.5	4,225.139	6.7270
24	47,897	1,278,705	10,653.300	25.6969	79	4,984.9	36,677.3	3,916.649	6.3576
25	46,471	1,230,808	10,621.778	25.4858	80	4,528.0	31,692.3	3,604.927	5.9992
26	45,086	1,184,337	10,591.174	25.2682	81	4,082.8	27,164.3	3,291.609	5.6534
27	43,743	1,139,251	10,560.561	25.0444	82	3,650.9	23,081.5	2,978.647	5.3221
28	42,438	1,095,508	10,529.966	24.8143	83	3,236.2	19,430.6	2,670.243	5.0042
29	41,171	1,053,070	10,498.989	24.5780	84	2,842.3	16,194.4	2,370.571	4.6977
30	39,940	1,011,899	10,467.266	24.3354	85	2,471.7	13,352.2	2,082.788	4.4020
31	38,744	971,959	10,434.867	24.0865	86	2,124.6	10,880.5	1,807.716	4.1211
32	37,582	933,215	10,401.081	23.8314	87	1,801.0	8,755.9	1,546.005	3.8616
33	36,452	895,633	10,366.018	23.5699	88	1,504.8	6,954.8	1,302.229	3.6218
34	35,354	859,180	10,329.047	23.3024	89	1,239.7	5,450.0	1,080.966	3.3962
35	34,285	823,827	10,290.310	23.0286	90	1,007.4	4,210.3	884.749	3.1795
36	33,246	789,541	10,249.597	22.7485	91	806.21	3,202.94	712.917	2.9729
37	32,235	756,295	10,206.719	22.4621	92	633.63	2,396.74	563.820	2.7826
38	31,250	724,061	10,160.862	22.1699	93	488.34	1,763.11	436.984	2.6104
39	30,291	692,811	10,111.920	21.8719	94	368.87	1,274.77	331.736	2.4559
40	29,356	662,520	10,059.805	21.5681	95	273.01	905.91	246.624	2.3182
41	28,446	633,163	10,004.744	21.2581	96	198.00	632.90	179.569	2.1964
42	27,560	604,717	9,946.663	20.9420	97	140.78	434.89	128.113	2.0892
43	26,695	577,157	9,884.944	20.6201	98	98.259	294.115	89.692	1.9933
44	25,852	550,462	9,819.030	20.2929	99	67.314	195.856	61.609	1.9096
45	25,029	524,610	9,748.954	19.9602	100	45.373	128.542	41.629	1.8330
46	24,225	499,581	9,674.243	19.6224	101	30.058	83.169	27.635	1.7670
47	23,441	475,356	9,595.228	19.2792	102	19.618	53.111	18.071	1.7072
48	22,675	451,915	9,511.981	18.9305	103	12.619	33.493	11.643	1.6543
49	21,927	429,241	9,424.579	18.5761	104	7.9979	20.8745	7.3899	1.6100
50	21,197	407,314	9,333.108	18.2160	105	5.0270	12.8766	4.6520	1.5615
51	20,483	386,117	9,237.215	17.8503	106	3.0939	7.8496	2.8653	1.5371
52	19,786	365,634	9,136.374	17.4795	107	1.9038	4.7556	1.7653	1.4979
53	19,104	345,848	9,030.746	17.1034	108	1.1501	2.8518	1.0670	1.4799
54	18,437	326,744	8,920.088	16.7223	109	.67794	1.70169	.62837	1.5101

TABLE 35. UNITED STATES WHITE FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 3.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,668,484	9,761.416	25.6848	55	13,626	223,541	6,066.624	15.4055
1	95,138	2,568,484	8,281.223	25.9974	56	13,073	209,915	5,974.567	15.0570
2	91,828	2,473,346	8,187.872	25.9347	57	12,535	196,842	5,878.868	14.7029
3	88,664	2,381,518	8,129.246	25.8601	58	12,012	184,366	5,779.606	14.3433
4	85,618	2,292,854	8,082.188	25.7799	59	11,503	172,294	5,677.000	13.9777
5	82,684	2,207,236	8,043.457	25.6947	60	11,009	160,791	5,571.137	13.6060
6	79,856	2,124,552	8,011.730	25.6046	61	10,527	149,782	5,461.863	13.2284
7	77,129	2,044,695	7,984.221	25.5102	62	10,058	139,255	5,348.938	12.8452
8	74,496	1,967,567	7,959.920	25.4117	63	9,600.9	129,197.2	5,231.932	12.4568
9	71,956	1,893,071	7,938.641	25.3089	64	9,154.8	119,596.3	5,110.475	12.0638
10	69,504	1,821,115	7,920.209	25.2017	65	8,718.8	110,441.5	4,984.042	11.6671
11	67,137	1,751,611	7,903.771	25.0901	66	8,292.3	101,722.7	4,852.384	11.2672
12	64,851	1,684,474	7,887.888	24.9746	67	7,874.7	93,430.4	4,715.201	10.8647
13	62,642	1,619,624	7,871.903	24.8553	68	7,465.1	85,555.7	4,571.958	10.4607
14	60,505	1,556,982	7,853.369	24.7331	69	7,063.0	78,090.6	4,422.289	10.0562
15	58,437	1,496,477	7,831.284	24.6085	70	6,668.1	71,027.6	4,266.163	9.6519
16	56,435	1,438,040	7,805.333	24.4815	71	6,280.7	64,359.5	4,104.275	9.2472
17	54,496	1,381,605	7,775.244	24.3523	72	5,900.9	58,078.8	3,936.857	8.8424
18	52,621	1,327,109	7,742.942	24.2201	73	5,527.6	52,177.9	3,763.088	8.4396
19	50,809	1,274,488	7,710.692	24.0837	74	5,159.3	46,650.4	3,581.787	8.0419
20	49,059	1,223,679	7,679.031	23.9428	75	4,795.2	41,491.0	3,392.145	7.6526
21	47,370	1,174,619	7,648.440	23.7968	76	4,435.9	36,695.8	3,195.007	7.2724
22	45,738	1,127,250	7,618.883	23.6456	77	4,082.8	32,259.9	2,991.875	6.9014
23	44,163	1,081,511	7,590.326	23.4890	78	3,737.0	28,177.1	2,784.201	6.5399
24	42,642	1,037,348	7,562.297	23.3271	79	3,400.3	24,440.1	2,573.777	6.1877
25	41,172	994,706	7,534.369	23.1599	80	3,073.7	21,039.8	2,362.176	5.8452
26	39,753	953,534	7,507.386	22.9868	81	2,758.1	17,966.1	2,150.520	5.5140
27	38,381	913,782	7,480.525	22.8080	82	2,454.4	15,208.1	1,940.125	5.1962
28	37,057	875,401	7,453.809	22.6233	83	2,165.1	12,753.7	1,733.795	4.8906
29	35,777	838,344	7,426.891	22.4327	84	1,892.3	10,588.6	1,534.276	4.5955
30	34,539	802,567	7,399.457	22.2363	85	1,637.7	8,696.2	1,343.599	4.3101
31	33,344	768,028	7,371.575	22.0338	86	1,400.9	7,058.6	1,162.224	4.0385
32	32,187	734,684	7,342.639	21.8255	87	1,181.8	5,657.6	990.493	3.7873
33	31,069	702,497	7,312.754	21.6111	88	982.66	4,475.83	831.302	3.5548
34	29,987	671,429	7,281.396	21.3909	89	805.64	3,493.17	687.512	3.3359
35	28,940	641,442	7,248.699	21.1646	90	651.50	2,687.53	560.614	3.1252
36	27,927	612,502	7,214.499	20.9322	91	518.87	2,036.03	450.022	2.9239
37	26,947	584,575	7,178.654	20.6936	92	405.83	1,517.16	354.528	2.7384
38	25,997	557,628	7,140.505	20.4493	93	311.26	1,111.33	273.683	2.5704
39	25,078	531,630	7,099.986	20.1992	94	233.98	800.06	206.922	2.4194
40	24,187	506,553	7,057.049	19.9433	95	172.34	566.09	153.195	2.2847
41	23,324	482,366	7,011.903	19.6813	96	124.39	393.75	111.071	2.1655
42	22,488	459,042	6,964.512	19.4131	97	88.011	269.362	78.902	2.0605
43	21,677	436,554	6,914.394	19.1390	98	61.432	181.351	54.999	1.9666
44	20,891	414,877	6,861.130	18.8593	99	41.677	120.219	37.611	1.8846
45	20,128	393,986	6,804.775	18.5741	100	27.956	78.542	25.300	1.8095
46	19,388	373,858	6,744.984	18.2834	101	18.431	50.586	16.720	1.7447
47	18,669	354,471	6,682.053	17.9871	102	11.971	32.155	10.884	1.6860
48	17,972	335,802	6,616.071	17.6850	103	7.6628	20.1838	6.9803	1.6340
49	17,295	317,830	6,547.132	17.3770	104	4.8334	12.5210	4.4100	1.5905
50	16,638	300,535	6,475.332	17.0628	105	3.0233	7.6876	2.7633	1.5428
51	16,001	283,897	6,400.424	16.7427	106	1.8517	4.6643	1.6940	1.5189
52	15,381	267,896	6,322.031	16.4170	107	1.1340	2.8126	1.0388	1.4803
53	14,779	252,515	6,240.314	16.0855	108	.68171	1.67860	.62494	1.4423
54	14,194	237,735	6,155.119	15.7484	109	.39989	.99689	.36618	1.4929

TABLE 36. UNITED STATES WHITE FEMALES: 1969-71--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	2,403,295	7,565.591	23.0329	55	10,453	162,627	4,198.409	14.5575
1	94,681	2,303,295	6,092.514	23.3270	56	9,981.0	152,173.7	4,128.126	14.2464
2	90,947	2,208,614	6,000.058	23.2847	57	9,524.4	142,192.7	4,055.414	13.9294
3	87,391	2,117,667	5,942.273	23.2321	58	9,083.0	132,668.3	3,980.357	13.6062
4	83,984	2,030,276	5,896.114	23.1747	59	8,656.4	123,585.4	3,903.145	13.2767
5	80,716	1,946,292	5,858.305	23.1129	60	8,244.2	114,928.9	3,823.865	12.9406
6	77,580	1,865,577	5,827.483	23.0470	61	7,845.7	106,684.7	3,742.424	12.5979
7	74,570	1,787,996	5,800.886	22.9774	62	7,460.2	98,839.0	3,658.666	12.2489
8	71,679	1,713,426	5,777.504	22.9043	63	7,086.9	91,378.9	3,572.298	11.8941
9	68,901	1,641,748	5,757.129	22.8275	64	6,725.1	84,292.0	3,483.077	11.5340
10	66,234	1,572,847	5,739.564	22.7469	65	6,374.0	77,566.9	3,390.646	11.1693
11	63,671	1,506,613	5,723.974	22.6626	66	6,033.0	71,192.9	3,294.858	10.8005
12	61,207	1,442,942	5,708.984	22.5749	67	5,701.7	65,159.9	3,195.531	10.4282
13	58,838	1,381,736	5,693.969	22.4839	68	5,379.2	59,458.2	3,092.314	10.0534
14	56,557	1,322,898	5,676.645	22.3904	69	5,064.9	54,079.0	2,984.985	9.6771
15	54,362	1,266,341	5,656.100	22.2948	70	4,758.7	49,014.1	2,873.565	9.2998
16	52,247	1,211,979	5,632.075	22.1973	71	4,460.7	44,255.4	2,758.587	8.9211
17	50,209	1,159,732	5,604.352	22.0979	72	4,170.8	39,794.6	2,640.254	8.5412
18	48,249	1,109,523	5,574.735	21.9959	73	3,888.2	35,623.8	2,518.023	8.1621
19	46,364	1,061,274	5,545.307	21.8903	74	3,611.7	31,735.7	2,391.105	7.7869
20	44,552	1,014,911	5,516.554	21.7806	75	3,340.7	28,124.0	2,258.988	7.4186
21	42,810	970,359	5,488.908	21.6664	76	3,075.5	24,783.3	2,122.308	7.0583
22	41,137	927,549	5,462.325	21.5476	77	2,817.1	21,707.8	1,982.151	6.7058
23	39,530	886,411	5,436.764	21.4240	78	2,566.1	18,890.7	1,839.547	6.3616
24	37,984	846,882	5,411.796	21.2956	79	2,323.6	16,324.6	1,695.751	6.0255
25	36,498	808,898	5,387.038	21.1625	80	2,090.3	14,001.0	1,551.845	5.6979
26	35,071	772,399	5,363.233	21.0239	81	1,866.7	11,910.6	1,408.593	5.3806
27	33,698	737,328	5,339.649	20.8802	82	1,653.2	10,043.9	1,266.880	5.0755
28	32,379	703,630	5,316.306	20.7311	83	1,451.3	8,390.7	1,128.573	4.7816
29	31,110	671,251	5,292.898	20.5765	84	1,262.4	6,939.4	995.475	4.4971
30	29,890	640,141	5,269.158	20.4166	85	1,087.2	5,677.1	868.886	4.2216
31	28,716	610,251	5,245.145	20.2510	86	925.58	4,589.84	749.052	3.9589
32	27,587	581,534	5,220.345	20.0800	87	777.07	3,664.25	636.135	3.7155
33	26,501	553,947	5,194.854	19.9033	88	643.01	2,887.18	531.967	3.4901
34	25,455	527,447	5,168.235	19.7210	89	524.64	2,244.17	438.329	3.2775
35	24,448	501,992	5,140.613	19.5331	90	422.22	1,719.53	356.088	3.0725
36	23,479	477,544	5,111.860	19.3393	91	334.66	1,297.30	284.761	2.8765
37	22,546	454,065	5,081.870	19.1396	92	260.49	962.65	223.466	2.6955
38	21,647	431,519	5,050.105	18.9344	93	198.83	702.16	171.824	2.5315
39	20,781	409,872	5,016.528	18.7236	94	148.74	503.33	129.383	2.3839
40	19,946	389,091	4,981.119	18.5071	95	109.03	354.59	95.392	2.2522
41	19,142	369,145	4,944.068	18.2846	96	78.315	245.555	68.871	2.1355
42	18,367	350,003	4,905.360	18.0561	97	55.146	167.240	48.714	2.0327
43	17,620	331,636	4,864.623	17.8217	98	38.120	112.094	33.809	1.9406
44	16,899	314,016	4,821.536	17.5819	99	25.864	73.974	23.018	1.8601
45	16,204	297,117	4,776.168	17.3363	100	17.266	48.110	15.415	1.7865
46	15,533	280,914	4,728.266	17.0854	101	11.328	30.845	10.142	1.7229
47	14,885	265,381	4,678.090	16.8287	102	7.3225	19.5166	6.5719	1.6653
48	14,260	250,496	4,625.735	16.5661	103	4.6646	12.1941	4.1956	1.6142
49	13,657	236,236	4,571.296	16.2974	104	2.9281	7.5295	2.6385	1.5715
50	13,076	222,578	4,514.871	16.0225	105	1.8227	4.6015	1.6457	1.5245
51	12,514	209,503	4,456.285	15.7414	106	1.1110	2.7788	1.0042	1.5011
52	11,972	196,989	4,395.270	15.4545	107	.67708	1.66774	.61294	1.4631
53	11,448	185,017	4,331.973	15.1615	108	.40509	.99065	.36699	1.4455
54	10,942	173,569	4,266.299	14.8626	109	.23649	.58555	.21396	1.4260

TABLE 37. UNITED STATES WHITE FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 4.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,182,499	6,016,770	20.8250	55	8,029.5	118,698.8	2,918.108	13.7828
1	94,228	2,082,499	4,550.742	21.1007	56	7,630.0	110,669.3	2,864.380	13.5044
2	90,079	1,988,272	4,459.169	21.0726	57	7,246.2	103,039.3	2,809.060	13.2198
3	86,143	1,898,193	4,402.209	21.0355	58	6,877.3	95,793.1	2,752.230	12.9289
4	82,388	1,812,051	4,356.927	20.9942	59	6,523.0	88,915.8	2,694.048	12.6312
5	78,803	1,729,663	4,320.014	20.9492	60	6,182.6	82,392.9	2,634.593	12.3265
6	75,380	1,650,860	4,290.066	20.9006	61	5,855.6	76,210.2	2,573.810	12.0150
7	72,108	1,575,480	4,264.347	20.8489	62	5,541.2	70,354.7	2,511.596	11.6966
8	68,980	1,503,372	4,241.845	20.7942	63	5,238.8	64,813.4	2,447.752	11.3719
9	65,990	1,434,392	4,222.331	20.7364	64	4,947.5	59,574.7	2,382.113	11.0413
10	63,132	1,368,401	4,205.589	20.6753	65	4,666.8	54,627.1	2,314.438	10.7055
11	60,399	1,305,269	4,190.800	20.6109	66	4,396.0	49,960.3	2,244.642	10.3648
12	57,784	1,244,871	4,176.648	20.5437	67	4,134.7	45,564.3	2,172.612	10.0199
13	55,281	1,187,087	4,162.541	20.4736	68	3,882.2	41,429.6	2,098.120	9.6718
14	52,884	1,131,806	4,146.342	20.4015	69	3,637.9	37,547.4	2,021.031	9.3212
15	50,588	1,078,922	4,127.224	20.3276	70	3,401.6	33,909.5	1,941.386	8.9687
16	48,387	1,028,334	4,104.972	20.2521	71	3,173.3	30,507.9	1,859.591	8.6138
17	46,278	979,946	4,079.421	20.1752	72	2,952.9	27,334.6	1,775.813	8.2569
18	44,258	933,668	4,052.253	20.0960	73	2,739.6	24,381.7	1,689.688	7.8997
19	42,325	889,410	4,025.388	20.0137	74	2,532.6	21,642.1	1,600.689	7.5452
20	40,477	847,085	3,999.266	19.9278	75	2,331.4	19,109.4	1,508.488	7.1966
21	38,709	806,608	3,974.268	19.8380	76	2,136.1	16,778.0	1,413.559	6.8547
22	37,018	767,900	3,950.347	19.7441	77	1,947.2	14,642.0	1,316.680	6.5195
23	35,401	730,882	3,927.456	19.6459	78	1,765.2	12,694.8	1,218.582	6.1915
24	33,854	695,481	3,905.203	19.5435	79	1,590.8	10,929.5	1,120.136	5.8705
25	32,374	661,627	3,883.243	19.4368	80	1,424.2	9,338.7	1,022.088	5.5570
26	30,959	629,253	3,862.228	19.3252	81	1,265.8	7,914.5	924.952	5.2527
27	29,605	598,293	3,841.509	19.2090	82	1,115.6	6,648.7	829.319	4.9596
28	28,310	568,688	3,821.099	19.0878	83	974.70	5,533.12	736.431	4.6767
29	27,071	540,378	3,800.731	18.9618	84	843.76	4,558.42	647.469	4.4025
30	25,884	513,307	3,780.172	18.8308	85	723.22	3,714.65	563.263	4.1362
31	24,749	487,423	3,759.476	18.6947	86	612.75	2,991.43	483.931	3.8820
32	23,662	462,674	3,738.205	18.5535	87	511.97	2,378.68	409.536	3.6462
33	22,621	439,012	3,716.445	18.4070	88	421.62	1,866.71	341.234	3.4275
34	21,625	416,391	3,693.832	18.2555	89	342.36	1,445.09	280.130	3.2210
35	20,670	394,766	3,670.478	18.0985	90	274.21	1,102.74	226.720	3.0216
36	19,756	374,096	3,646.285	17.9361	91	216.30	828.53	180.619	2.8305
37	18,880	354,341	3,621.171	17.7682	92	167.56	612.23	141.192	2.6539
38	18,040	335,461	3,594.699	17.5950	93	127.28	444.68	108.133	2.4936
39	17,236	317,420	3,566.850	17.4165	94	94.762	317.394	81.095	2.3494
40	16,464	300,185	3,537.622	17.2325	95	69.130	222.632	59.543	2.2205
41	15,725	283,720	3,507.185	17.0429	96	49.418	153.502	42.807	2.1062
42	15,016	267,996	3,475.540	16.8473	97	34.631	104.084	30.149	2.0055
43	14,336	252,980	3,442.395	16.6461	98	23.824	69.453	20.834	1.9152
44	13,684	238,643	3,407.505	16.4396	99	16.087	45.629	14.122	1.8364
45	13,058	224,959	3,370.944	16.2275	100	10.688	29.541	9.416	1.7640
46	12,457	211,901	3,332.525	16.0100	101	6.9787	18.8537	6.1668	1.7016
47	11,881	199,444	3,292.476	15.7868	102	4.4895	11.8751	3.9781	1.6451
48	11,328	187,563	3,250.887	15.5578	103	2.8462	7.3856	2.5282	1.5949
49	10,797	176,235	3,207.850	15.3227	104	1.7781	4.5393	1.5826	1.5529
50	10,288	165,438	3,163.455	15.0813	105	1.1016	2.7613	.9827	1.5067
51	9,798.7	155,150.5	3,117.582	14.8338	106	.66823	1.65970	.59676	1.4837
52	9,329.2	145,351.8	3,070.035	14.5803	107	.40529	.99146	.36259	1.4463
53	8,878.4	136,022.6	3,020.946	14.3207	108	.24132	.58617	.21608	1.4290
54	8,445.4	127,144.2	2,970.257	14.0549	109	.14020	.34484	.12535	1.4595

TABLE 38. UNITED STATES WHITE FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,996,800	4,914.296	18.9680	55	6,175.5	86,911.1	2,036.923	13.0734
1	93,779	1,896,800	3,455.248	19.2263	56	5,840.3	80,735.5	1,995.797	12.8238
2	89,223	1,803,021	3,364.545	19.2081	57	5,520.1	74,895.2	1,953.654	12.5677
3	84,918	1,713,798	3,308.396	19.1818	58	5,214.1	69,375.1	1,910.568	12.3052
4	80,830	1,628,880	3,263.970	19.1520	59	4,921.9	64,160.9	1,866.666	12.0357
5	76,945	1,548,051	3,227.928	19.1190	60	4,642.9	59,239.0	1,822.017	11.7590
6	73,251	1,471,106	3,198.825	19.0829	61	4,376.4	54,596.1	1,776.588	11.4751
7	69,738	1,397,854	3,173.952	19.0442	62	4,121.7	50,219.7	1,730.312	11.1841
8	66,396	1,328,116	3,152.293	19.0030	63	3,878.2	46,097.9	1,683.049	10.8865
9	63,216	1,261,720	3,133.599	18.9590	64	3,645.2	42,219.8	1,634.689	10.5824
10	60,189	1,198,505	3,117.637	18.9123	65	3,422.0	38,574.6	1,585.066	10.2727
11	57,309	1,138,315	3,103.605	18.8627	66	3,208.1	35,152.7	1,534.131	9.9576
12	54,567	1,081,006	3,090.241	18.8107	67	3,003.0	31,944.6	1,481.817	9.6376
13	51,955	1,026,439	3,076.983	18.7563	68	2,806.1	28,941.6	1,427.972	9.3137
14	49,466	974,484	3,061.831	18.7001	69	2,617.1	26,135.5	1,372.515	8.9866
15	47,093	925,019	3,044.033	18.6426	70	2,435.4	23,518.4	1,315.492	8.6568
16	44,829	877,926	3,023.418	18.5837	71	2,261.2	21,083.0	1,257.210	8.3240
17	42,671	833,097	2,999.858	18.5237	72	2,094.1	18,821.8	1,197.797	7.9881
18	40,614	790,425	2,974.927	18.4618	73	1,933.6	16,727.7	1,137.012	7.6512
19	38,656	749,811	2,950.391	18.3972	74	1,779.0	14,754.2	1,074.497	7.3161
20	36,791	711,156	2,926.647	18.3295	75	1,629.8	13,015.2	1,010.041	6.9857
21	35,017	674,364	2,904.034	18.2584	76	1,486.2	11,385.4	943.995	6.6610
22	33,328	639,348	2,882.497	18.1837	77	1,348.3	9,899.2	876.913	6.3420
23	31,720	606,020	2,861.986	18.1052	78	1,216.5	8,550.9	809.310	6.0291
24	30,190	574,300	2,842.142	18.0230	79	1,091.0	7,334.4	741.791	5.7224
25	28,733	544,110	2,822.652	17.9370	80	972.17	6,243.37	674.863	5.4221
26	27,346	515,378	2,804.090	17.8466	81	859.89	5,271.21	608.875	5.1301
27	26,025	488,032	2,785.876	17.7521	82	754.28	4,411.32	544.217	4.8484
28	24,768	462,006	2,768.020	17.6531	83	655.86	3,657.04	481.715	4.5760
29	23,571	437,238	2,750.285	17.5497	84	565.05	3,001.18	422.139	4.3113
30	22,431	413,667	2,732.469	17.4418	85	482.02	2,436.13	366.016	4.0540
31	21,345	391,236	2,714.620	17.3292	86	406.45	1,954.11	313.394	3.8078
32	20,310	369,891	2,696.361	17.2121	87	337.98	1,547.66	264.281	3.5792
33	19,324	349,581	2,677.773	17.0901	88	277.01	1,209.68	219.406	3.3669
34	18,385	330,256	2,658.547	16.9633	89	223.86	932.67	179.451	3.1662
35	17,490	311,871	2,638.787	16.8316	90	178.45	708.81	144.693	2.9721
36	16,637	294,381	2,618.413	16.6948	91	140.09	530.36	114.835	2.7859
37	15,823	277,745	2,597.365	16.5529	92	108.00	390.27	89.420	2.6135
38	15,048	261,922	2,575.284	16.4060	93	81.654	282.267	68.213	2.4569
39	14,308	246,874	2,552.166	16.2542	94	60.502	200.613	50.949	2.3158
40	13,603	232,566	2,528.018	16.0972	95	43.927	140.111	37.255	2.1896
41	12,930	218,963	2,502.991	15.9348	96	31.252	96.184	26.671	2.0777
42	12,288	206,033	2,477.094	15.7668	97	21.797	64.932	18.705	1.9790
43	11,676	193,745	2,450.099	15.5934	98	14.923	43.136	12.869	1.8905
44	11,092	182,069	2,421.819	15.4148	99	10.029	28.212	8.685	1.8131
45	10,534	170,977	2,392.325	15.2308	100	6.6311	18.1836	5.7652	1.7422
46	10,002	160,443	2,361.480	15.0417	101	4.3092	11.5525	3.7591	1.6809
47	9,493.4	150,441.6	2,329.479	14.8470	102	2.7590	7.2433	2.4141	1.6253
48	9,008.2	140,948.2	2,296.407	14.6466	103	1.7408	4.4843	1.5273	1.5760
49	8,545.2	131,940.0	2,262.345	14.4402	104	1.0823	2.7435	.9517	1.5348
50	8,103.3	123,394.8	2,227.376	14.2277	105	.66733	1.66115	.58822	1.4893
51	7,681.5	115,291.5	2,191.415	14.0090	106	.40289	.99382	.35557	1.4667
52	7,278.6	107,610.0	2,154.319	13.7844	107	.24319	.59093	.21505	1.4299
53	6,893.9	100,331.4	2,116.202	13.5537	108	.14411	.34773	.12755	1.4129
54	6,526.4	93,437.5	2,077.030	13.3168	109	.08333	.20361	.07363	1.4434

TABLE 39. UNITED STATES WHITE FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 5.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,839,118	4,121.804	17.3912	55	4,755.6	63,831.7	1,427.841	12.4225
1	93,335	1,739,118	2,669.671	17.6332	56	4,476.1	59,076.1	1,396.321	12.1981
2	88,379	1,645,784	2,579.826	17.6219	57	4,210.6	54,600.0	1,364.176	11.9672
3	83,716	1,557,405	2,524.471	17.6034	58	3,958.4	50,389.4	1,331.466	11.7297
4	79,308	1,473,688	2,480.881	17.5818	59	3,718.9	46,431.0	1,298.295	11.4852
5	75,138	1,394,380	2,445.685	17.5575	60	3,491.4	42,712.1	1,264.720	11.2335
6	71,193	1,319,242	2,417.400	17.5305	61	3,275.4	39,220.7	1,230.720	10.9743
7	67,457	1,248,049	2,393.340	17.5013	62	3,070.2	35,945.3	1,196.250	10.7079
8	63,920	1,180,591	2,372.489	17.4699	63	2,875.1	32,875.1	1,161.212	10.4345
9	60,570	1,116,671	2,354.578	17.4361	64	2,689.5	30,000.0	1,125.530	10.1544
10	57,397	1,056,102	2,339.357	17.4000	65	2,512.9	27,310.5	1,089.090	9.8683
11	54,391	998,705	2,326.039	17.3615	66	2,344.6	24,797.7	1,051.864	9.5763
12	51,543	944,314	2,313.415	17.3209	67	2,184.3	22,453.0	1,013.811	9.2791
13	48,843	892,771	2,300.951	17.2782	68	2,031.5	20,268.7	974.830	8.9772
14	46,283	843,927	2,286.774	17.2341	69	1,885.6	18,237.2	934.873	8.6717
15	43,854	797,644	2,270.200	17.1888	70	1,746.4	16,351.6	893.982	8.3628
16	41,548	753,791	2,251.094	17.1425	71	1,613.8	14,605.1	852.386	8.0502
17	39,360	712,242	2,229.362	17.0954	72	1,487.5	12,991.3	810.184	7.7339
18	37,286	672,882	2,206.474	17.0467	73	1,366.9	11,503.9	767.212	7.4158
19	35,319	635,596	2,184.056	16.9957	74	1,251.7	10,136.9	723.227	7.0986
20	33,457	600,277	2,162.464	16.9420	75	1,141.3	8,885.2	678.090	6.7852
21	31,692	566,820	2,141.998	16.8854	76	1,035.8	7,743.9	632.059	6.4765
22	30,020	535,128	2,122.599	16.8256	77	935.24	6,708.17	585.528	6.1726
23	28,437	505,108	2,104.211	16.7624	78	839.82	5,772.93	538.858	5.8740
24	26,937	476,671	2,086.505	16.6960	79	749.64	4,933.11	492.467	5.5806
25	25,515	449,735	2,069.197	16.6262	80	664.80	4,183.47	446.700	5.2929
26	24,169	424,220	2,052.792	16.5526	81	585.23	3,518.67	401.789	5.0125
27	22,893	400,051	2,036.771	16.4752	82	510.92	2,933.44	357.992	4.7415
28	21,683	377,159	2,021.139	16.3939	83	442.15	2,422.52	315.856	4.4790
29	20,538	355,475	2,005.686	16.3085	84	379.13	1,980.37	275.883	4.2235
30	19,451	334,938	1,990.236	16.2192	85	321.88	1,601.25	238.406	3.9746
31	18,422	315,486	1,974.831	16.1255	86	270.13	1,279.37	203.433	3.7361
32	17,446	297,064	1,959.148	16.0277	87	223.56	1,009.24	170.947	3.5144
33	16,521	279,618	1,943.257	15.9255	88	182.36	785.68	141.404	3.3083
34	15,643	263,098	1,926.899	15.8190	89	146.68	603.31	115.225	3.1132
35	14,811	247,455	1,910.165	15.7079	90	116.36	456.64	92.559	2.9242
36	14,021	232,644	1,892.994	15.5921	91	90.920	340.270	73.181	2.7425
37	13,273	218,623	1,875.339	15.4716	92	69.764	249.350	56.765	2.5742
38	12,562	205,350	1,856.905	15.3465	93	52.493	179.586	43.131	2.4211
39	11,888	192,788	1,837.697	15.2167	94	38.711	127.093	32.085	2.2831
40	11,249	180,899	1,817.728	15.0821	95	27.972	88.382	23.365	2.1596
41	10,641	169,651	1,797.130	14.9424	96	19.807	60.409	16.657	2.0500
42	10,066	159,009	1,775.918	14.7975	97	13.749	40.603	11.632	1.9532
43	9,518.8	148,943.9	1,753.910	14.6474	98	9.3687	26.8541	7.9687	1.8664
44	8,999.6	139,425.2	1,730.964	14.4924	99	6.2661	17.4854	5.3545	1.7905
45	8,506.6	130,425.6	1,707.147	14.3323	100	4.1235	11.2194	3.5386	1.7208
46	8,038.3	121,919.0	1,682.357	14.1672	101	2.6670	7.0958	2.2970	1.6606
47	7,593.7	113,880.7	1,656.760	13.9968	102	1.6995	4.4289	1.4686	1.6060
48	7,171.5	106,287.0	1,630.431	13.8208	103	1.0672	2.7294	.9249	1.5576
49	6,770.6	99,115.6	1,603.442	13.6391	104	.66037	1.66220	.57371	1.5171
50	6,390.1	92,345.0	1,575.867	13.4513	105	.40523	1.00183	.35300	1.4722
51	6,028.7	85,954.9	1,547.643	13.2576	106	.24349	.59659	.21239	1.4501
52	5,685.4	79,926.2	1,518.667	13.0581	107	.14628	.35309	.12787	1.4338
53	5,359.4	74,240.8	1,489.034	12.8524	108	.08627	.20681	.07549	1.3971
54	5,049.7	68,881.4	1,458.726	12.6407	109	.04965	.12053	.04336	1.4277

TABLE 40. UNITED STATES WHITE FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 6 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,704,019	3,546.093	16.0402	55	3,666.6	47,020.7	1,005.058	11.8240
1	92,894	1,604,019	2,100.810	16.2671	56	3,434.9	43,354.1	980.871	11.6217
2	87,547	1,511,125	2,011.810	16.2607	57	3,215.9	39,919.2	956.319	11.4131
3	82,537	1,423,578	1,957.235	16.2477	58	3,009.0	36,703.3	931.455	11.1978
4	77,822	1,341,040	1,914.462	16.2321	59	2,813.6	33,694.3	906.359	10.9756
5	73,383	1,263,218	1,880.088	16.2140	60	2,629.0	30,880.7	881.076	10.7460
6	69,202	1,189,835	1,852.595	16.1937	61	2,454.7	28,251.7	855.595	10.5090
7	65,261	1,120,633	1,829.318	16.1715	62	2,290.1	25,796.9	829.884	10.2646
8	61,547	1,055,372	1,809.240	16.1473	63	2,134.4	23,506.8	803.871	10.0131
9	58,046	993,825	1,792.075	16.1212	64	1,987.3	21,372.4	777.506	9.7547
10	54,746	935,778	1,777.557	16.0930	65	1,848.0	19,385.1	750.708	9.4899
11	51,635	881,032	1,764.914	16.0628	66	1,716.1	17,537.1	723.461	9.2190
12	48,700	829,398	1,752.987	16.0307	67	1,591.3	15,821.0	695.740	8.9424
13	45,932	780,697	1,741.266	15.9969	68	1,472.9	14,229.7	667.477	8.6608
14	43,319	734,766	1,727.997	15.9619	69	1,360.7	12,756.8	638.642	8.3750
15	40,851	691,447	1,712.558	15.9260	70	1,254.3	11,396.1	609.273	8.0854
16	38,521	650,596	1,694.844	15.8894	71	1,153.6	10,141.8	579.539	7.7914
17	36,321	612,075	1,674.790	15.8520	72	1,058.3	8,988.2	549.513	7.4932
18	34,244	575,755	1,653.770	15.8135	73	967.95	7,929.88	519.084	7.1925
19	32,285	541,511	1,633.278	15.7729	74	882.16	6,961.93	488.085	6.8919
20	30,438	509,226	1,613.634	15.7301	75	800.56	6,079.77	456.424	6.5944
21	28,696	478,788	1,595.102	15.6847	76	723.11	5,279.21	424.288	6.3007
22	27,055	450,092	1,577.619	15.6365	77	649.85	4,556.10	391.956	6.0110
23	25,507	423,038	1,561.126	15.5854	78	580.79	3,906.25	359.681	5.7258
24	24,047	397,531	1,545.320	15.5314	79	515.98	3,325.46	327.749	5.4449
25	22,671	373,484	1,529.942	15.4744	80	455.42	2,809.48	296.396	5.1689
26	21,373	350,813	1,515.434	15.4140	81	399.02	2,354.06	265.775	4.8995
27	20,149	329,440	1,501.333	15.3503	82	346.72	1,955.03	236.054	4.6387
28	18,995	309,292	1,487.639	15.2830	83	298.63	1,608.32	207.595	4.3856
29	17,906	290,297	1,474.166	15.2122	84	254.86	1,309.68	180.724	4.1389
30	16,879	272,391	1,460.760	15.1377	85	215.36	1,054.83	155.650	3.8980
31	15,910	255,512	1,447.455	15.0594	86	179.88	839.47	132.361	3.6669
32	14,996	239,601	1,433.974	14.9773	87	148.17	659.59	110.831	3.4517
33	14,134	224,605	1,420.379	14.8913	88	120.29	511.43	91.344	3.2515
34	13,320	210,471	1,406.450	14.8012	89	96.296	391.134	74.157	3.0618
35	12,552	197,151	1,392.268	14.7070	90	76.035	294.838	59.346	2.8776
36	11,827	184,599	1,377.785	14.6086	91	59.129	218.802	46.744	2.7004
37	11,143	172,773	1,362.963	14.5057	92	45.156	159.673	36.118	2.5360
38	10,496	161,630	1,347.561	14.3986	93	33.817	114.517	27.335	2.3864
39	9,886.3	151,133.7	1,331.587	14.2871	94	24.821	80.700	20.253	2.2513
40	9,310.2	141,247.3	1,315.059	14.1713	95	17.851	55.879	14.688	2.1303
41	8,766.2	131,937.1	1,298.091	14.0506	96	12.580	38.028	10.427	2.0229
42	8,252.6	123,170.9	1,280.699	13.9250	97	8.6912	25.4484	7.2508	1.9280
43	7,767.5	114,918.3	1,262.741	13.7947	98	5.8945	16.7571	4.9460	1.8429
44	7,309.2	107,150.7	1,244.104	13.6596	99	3.9238	10.8627	3.3090	1.7684
45	6,876.3	99,841.5	1,224.852	13.5197	100	2.5700	6.9388	2.1772	1.7000
46	6,467.1	92,965.2	1,204.908	13.3751	101	1.6543	4.3689	1.4070	1.6408
47	6,080.5	86,498.1	1,184.411	13.2254	102	1.0492	2.7145	.8956	1.5872
48	5,715.4	80,417.6	1,163.427	13.0704	103	.65575	1.66531	.56149	1.5395
49	5,370.4	74,702.2	1,142.020	12.9099	104	.40386	1.00955	.34671	1.4997
50	5,044.7	69,331.8	1,120.251	12.7435	105	.24666	.60569	.21237	1.4556
51	4,737.0	64,287.1	1,098.075	12.5714	106	.14751	.35903	.12719	1.4339
52	4,446.2	59,550.1	1,075.414	12.3936	107	.08820	.21151	.07623	1.3981
53	4,171.4	55,104.0	1,052.350	12.2098	108	.05177	.12331	.04479	1.3817
54	3,911.8	50,932.5	1,028.871	12.0201	109	.02965	.07153	.02560	1.4123

TABLE 41. UNITED STATES WHITE FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 6.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,587,291	3,123.089	14.8729	55	2,830.5	34,737.1	710.363	11.2726
1	92,458	1,487,291	1,684.591	15.0861	56	2,639.1	31,906.6	697.779	11.0898
2	86,727	1,394,833	1,596.425	15.0830	57	2,459.3	29,267.5	673.004	10.9008
3	81,380	1,308,106	1,542.615	15.0740	58	2,290.3	26,808.2	654.079	10.7053
4	76,371	1,226,726	1,500.640	15.0627	59	2,131.5	24,518.0	635.067	10.5028
5	71,676	1,150,354	1,467.065	15.0493	60	1,982.3	22,386.5	616.004	10.2931
6	67,275	1,078,678	1,440.337	15.0338	61	1,842.2	20,404.2	596.881	10.0759
7	63,147	1,011,403	1,417.814	15.0167	62	1,710.6	18,562.0	577.676	9.8514
8	59,273	948,256	1,398.470	14.9980	63	1,586.8	16,851.4	558.338	9.6196
9	55,639	888,983	1,382.026	14.9776	64	1,470.5	15,264.6	538.829	9.3807
10	52,230	833,344	1,368.175	14.9554	65	1,361.0	13,754.1	519.093	9.1354
11	49,030	781,114	1,356.170	14.9314	66	1,257.9	12,433.1	499.120	8.8836
12	46,026	732,084	1,344.897	14.9059	67	1,160.9	11,175.2	478.896	8.6259
13	43,206	686,058	1,333.872	14.8788	68	1,069.6	10,014.2	458.372	8.3629
14	40,557	642,852	1,321.449	14.8508	69	983.45	8,944.65	437.533	8.0952
15	38,067	602,296	1,307.062	14.8220	70	902.30	7,961.20	416.406	7.8232
16	35,727	564,229	1,290.633	14.7927	71	825.94	7,058.90	395.117	7.5465
17	33,528	528,502	1,272.121	14.7630	72	754.14	6,232.96	373.721	7.2650
18	31,462	494,974	1,252.808	14.7322	73	686.53	5,478.82	352.139	6.9805
19	29,523	463,511	1,234.069	14.6997	74	622.74	4,792.30	330.255	6.6955
20	27,704	433,988	1,216.189	14.6653	75	562.49	4,169.55	308.010	6.4127
21	25,996	406,284	1,199.401	14.6287	76	505.69	3,607.06	285.537	6.1330
22	24,394	380,288	1,183.638	14.5896	77	452.32	3,101.38	263.032	5.8566
23	22,890	355,894	1,168.837	14.5480	78	402.35	2,649.06	240.673	5.5839
24	21,479	333,004	1,154.718	14.5038	79	355.78	2,246.71	218.656	5.3149
25	20,154	311,525	1,141.047	14.4570	80	312.55	1,890.93	197.139	5.0500
26	18,911	291,371	1,128.210	14.4071	81	272.56	1,578.38	176.223	4.7910
27	17,745	272,459	1,115.792	14.3544	82	235.72	1,305.82	156.017	4.5398
28	16,650	254,715	1,103.788	14.2984	83	202.07	1,070.11	136.760	4.2957
29	15,622	238,065	1,092.034	14.2393	84	171.64	868.04	118.663	4.0573
30	14,657	222,443	1,080.393	14.1769	85	144.36	696.40	101.855	3.8241
31	13,751	207,786	1,068.894	14.1110	86	120.01	552.04	86.317	3.5999
32	12,900	194,036	1,057.298	14.0417	87	98.388	432.029	72.020	3.3911
33	12,101	181,136	1,045.658	13.9688	88	79.504	333.641	59.141	3.1965
34	11,350	169,035	1,033.788	13.8923	89	63.346	254.137	47.835	3.0119
35	10,646	157,684	1,021.760	13.8120	90	49.783	190.791	38.138	2.8325
36	9,983.7	147,038.8	1,009.534	13.7278	91	38.532	141.008	29.926	2.6595
37	9,361.9	137,055.0	997.081	13.6396	92	29.288	102.477	23.034	2.4989
38	8,777.7	127,693.1	984.200	13.5475	93	21.831	73.188	17.364	2.3525
39	8,228.7	118,915.4	970.905	13.4514	94	15.948	51.358	12.813	2.2203
40	7,712.7	110,686.8	957.213	13.3512	95	11.416	35.410	9.255	2.1018
41	7,228.0	102,974.0	943.223	13.2465	96	8.0072	23.9940	6.5428	1.9965
42	6,772.6	95,746.0	928.950	13.1373	97	5.5060	15.9868	4.5303	1.9035
43	6,344.6	88,973.4	914.281	13.0235	98	3.7167	10.4808	3.0770	1.8199
44	5,942.2	82,628.8	899.130	12.9054	99	2.4625	6.7641	2.0497	1.7468
45	5,564.0	76,686.6	883.552	12.7827	100	1.6053	4.3015	1.3428	1.6796
46	5,208.3	71,122.7	867.490	12.6556	101	1.0285	2.6963	.8639	1.6215
47	4,874.0	65,914.3	851.060	12.5237	102	.64923	1.66774	.54744	1.5688
48	4,559.8	61,040.3	834.319	12.3867	103	.40386	1.01851	.34170	1.5219
49	4,264.5	56,480.6	817.321	12.2444	104	.24756	.61465	.21004	1.4828
50	3,987.0	52,216.1	800.115	12.0965	105	.15049	.36708	.12808	1.4393
51	3,726.2	48,229.1	782.671	11.9431	106	.08957	.21659	.07635	1.4180
52	3,481.1	44,502.8	764.929	11.7843	107	.05330	.12701	.04555	1.3827
53	3,250.6	41,021.8	746.956	11.6196	108	.03114	.07370	.02664	1.3666
54	3,034.0	37,771.1	728.746	11.4492	109	.01775	.04256	.01515	1.3492

TABLE 42. UNITED STATES WHITE FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 7 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,485,642	2,808.474	13.8564	55	2,187.7	25,734.3	504.102	10.7634
1	92,026	1,385,642	1,376.699	14.0570	56	2,030.2	23,546.7	489.806	10.5980
2	85,918	1,293,616	1,289.355	14.0563	57	1,883.0	21,516.4	475.430	10.4264
3	80,245	1,207,697	1,236.295	14.0502	58	1,745.4	19,633.4	461.007	10.2484
4	74,954	1,127,453	1,195.099	14.0420	59	1,616.8	17,887.9	446.586	10.0636
5	70,017	1,052,499	1,162.302	14.0320	60	1,496.7	16,271.1	432.193	9.8716
6	65,411	982,482	1,136.314	14.0202	61	1,384.4	14,774.5	417.823	9.6723
7	61,110	917,071	1,114.518	14.0069	62	1,279.4	13,390.1	403.458	9.4655
8	57,093	855,961	1,095.894	13.9923	63	1,181.3	12,110.6	389.061	9.2516
9	53,342	798,868	1,080.120	13.9762	64	1,089.6	10,929.3	374.605	9.0305
10	49,840	745,525	1,066.903	13.9585	65	1,003.8	9,839.7	360.049	8.8028
11	46,568	695,686	1,055.500	13.9392	66	923.44	8,835.92	345.388	8.5685
12	43,511	649,118	1,044.844	13.9186	67	848.25	7,912.48	330.610	8.3280
13	40,654	605,607	1,034.470	13.8968	68	777.83	7,064.23	315.685	8.0820
14	37,982	564,954	1,022.835	13.8741	69	711.86	6,286.40	300.601	7.8309
15	35,484	526,971	1,009.425	13.8509	70	650.07	5,574.54	285.380	7.5753
16	33,148	491,487	994.182	13.8273	71	592.28	4,924.47	270.114	7.3145
17	30,962	458,340	977.087	13.8033	72	538.26	4,332.19	254.842	7.0486
18	28,919	427,378	959.335	13.7786	73	487.71	3,793.94	239.510	6.7791
19	27,010	398,459	942.192	13.7525	74	440.33	3,306.23	224.037	6.5085
20	25,226	371,450	925.911	13.7247	75	395.87	2,865.89	208.381	6.2395
21	23,561	346,223	910.696	13.6949	76	354.23	2,470.02	192.639	5.9730
22	22,005	322,662	896.476	13.6630	77	315.36	2,115.80	176.948	5.7090
23	20,552	300,657	883.186	13.6288	78	279.22	1,800.43	161.432	5.4481
24	19,195	280,105	870.569	13.5925	79	245.74	1,521.21	146.224	5.1903
25	17,927	260,910	858.408	13.5538	80	214.87	1,275.47	131.431	4.9359
26	16,743	242,982	847.043	13.5124	81	186.50	1,060.60	117.119	4.6867
27	15,637	226,239	836.100	13.4684	82	160.54	874.09	103.357	4.4447
28	14,603	210,602	825.572	13.4216	83	136.98	713.55	90.303	4.2090
29	13,638	195,999	815.311	13.3719	84	115.81	576.57	78.092	3.9785
30	12,735	182,361	805.196	13.3193	85	96.947	460.758	66.804	3.7527
31	11,892	169,626	795.251	13.2635	86	80.219	363.811	56.418	3.5352
32	11,104	157,734	785.269	13.2047	87	65.459	283.592	46.906	3.3223
33	10,368	146,629	775.296	13.1427	88	52.648	218.132	38.378	3.1132
34	9,679.5	136,261.6	765.174	13.0774	89	41.752	165.485	30.926	2.9035
35	9,036.0	126,582.1	754.964	13.0086	90	32.659	123.733	24.564	2.7886
36	8,434.6	117,546.1	744.635	12.9362	91	25.160	91.074	19.202	2.6198
37	7,872.3	109,111.5	734.164	12.8602	92	19.035	65.914	14.723	2.4628
38	7,346.5	101,239.2	723.383	12.7806	93	14.122	46.879	11.055	2.3196
39	6,854.8	93,892.7	712.308	12.6973	94	10.268	32.757	8.125	2.1902
40	6,395.0	87,037.9	700.955	12.6103	95	7.3157	22.4890	5.8445	2.0741
41	5,965.1	80,642.9	689.409	12.5191	96	5.1074	15.1733	4.1148	1.9708
42	5,563.1	74,677.8	677.685	12.4237	97	3.4956	10.0659	2.8371	1.8796
43	5,187.2	69,114.6	665.692	12.3240	98	2.3486	6.5702	1.9188	1.7975
44	4,835.5	63,927.4	653.363	12.2204	99	1.5488	4.2216	1.2726	1.7257
45	4,506.6	59,091.9	640.745	12.1124	100	1.0049	2.6728	.8301	1.6597
46	4,198.8	54,585.3	627.796	12.0002	101	.64084	1.66789	.53173	1.6026
47	3,910.9	50,386.5	614.613	11.8835	102	.40263	1.02705	.33544	1.5508
48	3,641.7	46,475.6	601.243	11.7621	103	.24929	.62441	.20844	1.5047
49	3,389.9	42,833.9	587.730	11.6356	104	.15210	.37511	.12756	1.4662
50	3,154.6	39,443.9	574.117	11.5038	105	.09202	.22301	.07743	1.4233
51	2,934.5	36,289.4	560.379	11.3667	106	.05452	.13098	.04595	1.4024
52	2,728.6	33,354.9	546.473	11.2243	107	.03229	.07646	.02729	1.3676
53	2,536.0	30,626.4	532.451	11.0764	108	.01878	.04416	.01589	1.3518
54	2,356.0	28,090.3	518.310	10.9229	109	.01065	.02538	.00899	1.3824

TABLE 43. UNITED STATES WHITE FEMALES: 1960-71--ACTUARIAL FUNCTIONS AT 7.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,396,477	2,571.406	12.9648	55	1,692.9	19,116.5	359.149	10.2924
1	91,598	1,296,477	1,146.290	13.1540	56	1,563.7	17,423.7	348.138	10.1423
2	85,121	1,204,878	1,059.757	13.1549	57	1,443.6	15,859.9	337.117	9.9862
3	79,130	1,119,757	1,007.434	13.1509	58	1,331.9	14,416.3	326.111	9.8239
4	73,569	1,040,627	966.999	13.1449	59	1,228.0	13,084.4	315.157	9.6549
5	68,404	967,058	934.957	13.1374	60	1,131.5	11,856.4	304.276	9.4788
6	63,606	898,654	909.687	13.1283	61	1,041.7	10,724.9	293.463	9.2955
7	59,148	835,048	888.590	13.1180	62	958.28	9,683.20	282.704	9.1048
8	55,003	775,900	870.648	13.1065	63	880.69	8,724.93	271.971	8.9070
9	51,151	720,897	855.522	13.0936	64	808.52	7,844.24	261.245	8.7020
10	47,569	669,746	842.907	13.0794	65	741.36	7,035.72	250.494	8.4903
11	44,240	622,177	832.075	13.0637	66	678.86	6,294.36	239.716	8.2720
12	41,143	577,937	821.998	13.0470	67	620.68	5,615.51	228.903	8.0473
13	38,263	536,794	812.234	13.0291	68	566.51	4,994.82	218.033	7.8169
14	35,583	498,531	801.335	13.0105	69	516.05	4,428.32	207.097	7.5812
15	33,088	462,948	788.830	12.9916	70	469.06	3,912.27	196.115	7.3406
16	30,765	429,861	774.682	12.9724	71	425.37	3,443.20	185.150	7.0945
17	28,603	399,096	758.890	12.9530	72	384.78	3,017.83	174.233	6.8430
18	26,591	370,493	742.567	12.9331	73	347.03	2,633.05	163.324	6.5875
19	24,720	343,902	726.877	12.9119	74	311.86	2,286.02	152.365	6.3304
20	22,981	319,182	712.046	12.8892	75	279.06	1,974.17	141.329	6.0743
21	21,363	296,201	698.249	12.8649	76	248.55	1,695.11	130.282	5.8201
22	19,860	274,838	685.416	12.8387	77	220.25	1,446.56	119.325	5.5679
23	18,463	254,978	673.477	12.8105	78	194.10	1,226.31	108.539	5.3181
24	17,163	236,515	662.195	12.7803	79	170.03	1,032.22	98.017	5.0707
25	15,955	219,352	651.373	12.7482	80	147.98	862.19	87.829	4.8263
26	14,832	203,397	641.305	12.7136	81	127.85	714.20	78.018	4.5864
27	13,787	188,565	631.656	12.6767	82	109.54	586.36	68.628	4.3530
28	12,816	174,778	622.416	12.6372	83	93.029	476.820	59.763	4.1255
29	11,913	161,962	613.453	12.5953	84	78.285	383.791	51.509	3.9025
30	11,073	150,048	604.658	12.5507	85	65.229	305.506	43.914	3.6836
31	10,292	138,975	596.051	12.5032	86	53.722	240.277	36.959	3.4726
32	9,565.4	128,683.3	587.452	12.4531	87	43.634	186.555	30.618	3.2755
33	8,889.5	119,118.0	578.902	12.3999	88	34.931	142.921	24.960	3.0916
34	8,260.6	110,228.5	570.263	12.3438	89	27.573	107.990	20.038	2.9166
35	7,675.6	101,967.9	561.591	12.2846	90	21.467	80.418	15.857	2.7460
36	7,131.4	94,292.3	552.858	12.2221	91	16.461	58.950	12.348	2.5812
37	6,625.0	87,160.9	544.045	12.1563	92	12.396	42.489	9.432	2.4277
38	6,153.8	80,535.8	535.015	12.0872	93	9.1536	30.0931	7.0541	2.2876
39	5,715.2	74,382.0	525.781	12.0147	94	6.6248	20.9395	5.1639	2.1608
40	5,307.1	68,666.8	516.360	11.9387	95	4.6980	14.3147	3.6993	2.0470
41	4,927.3	63,359.7	506.822	11.8590	96	3.2646	9.6167	2.5937	1.9457
42	4,573.9	58,432.5	497.183	11.7753	97	2.2240	6.3521	1.7808	1.8562
43	4,244.9	53,858.6	487.369	11.6877	98	1.4873	4.1281	1.1993	1.7756
44	3,938.7	49,613.7	477.326	11.5963	99	.97622	2.64086	.79198	1.7052
45	3,653.7	45,674.9	467.097	11.5009	100	.63047	1.66463	.51434	1.6403
46	3,388.4	42,021.2	456.647	11.4016	101	.40018	1.03415	.32803	1.5842
47	3,141.4	38,632.8	446.058	11.2981	102	.25026	.63396	.20603	1.5332
48	2,911.5	35,491.5	435.368	11.1900	103	.15423	.38370	.12746	1.4879
49	2,697.6	32,580.0	424.615	11.0772	104	.09366	.22947	.07765	1.4500
50	2,498.6	29,882.3	413.833	10.9594	105	.05640	.13581	.04693	1.4077
51	2,313.5	27,383.7	403.002	10.8365	106	.03326	.07940	.02772	1.3872
52	2,141.2	25,070.2	392.089	10.7086	107	.01961	.04614	.01639	1.3529
53	1,980.8	22,929.0	381.137	10.5754	108	.01135	.02653	.00950	1.3374
54	1,831.6	20,948.2	370.144	10.4368	109	.00641	.01518	.00535	1.3679

TABLE 44. UNITED STATES WHITE FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 8 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,317,731	2,390.279	12.1773	55	1,311.5	14,238.0	256.872	9.8559
1	91,174	1,217,731	971.760	12.3561	56	1,205.9	12,926.4	248.380	9.7194
2	84,335	1,126,557	886.027	12.3582	57	1,108.1	11,720.5	239.921	9.5771
3	78,036	1,042,222	834.427	12.3556	58	1,017.6	10,612.4	231.512	9.4287
4	72,216	964,186	794.736	12.3514	59	933.91	9,594.81	223.182	9.2738
5	66,835	891,970	763.429	12.3458	60	856.49	8,660.90	214.945	9.1120
6	61,860	825,135	738.852	12.3388	61	784.90	7,804.41	206.798	8.9432
7	57,257	763,275	718.430	12.3306	62	718.69	7,019.51	198.728	8.7671
8	52,999	706,018	701.142	12.3214	63	657.44	6,300.81	190.716	8.5838
9	49,058	653,019	686.634	12.3111	64	600.77	5,643.37	182.746	8.3935
10	45,412	603,961	674.591	12.2995	65	548.32	5,042.60	174.794	8.1964
11	42,038	558,548	664.298	12.2867	66	499.77	4,494.28	166.860	7.9927
12	38,915	516,510	654.767	12.2729	67	454.83	3,994.51	158.936	7.7825
13	36,023	477,595	645.575	12.2581	68	413.21	3,539.68	151.007	7.5664
14	33,344	441,572	635.361	12.2428	69	374.66	3,126.48	143.068	7.3449
15	30,863	408,228	623.697	12.2272	70	338.97	2,751.82	135.132	7.1182
16	28,564	377,365	610.562	12.2114	71	305.97	2,412.85	127.245	6.8858
17	26,433	348,801	595.968	12.1956	72	275.49	2,106.87	119.429	6.6476
18	24,460	322,368	580.953	12.1794	73	247.31	1,831.38	111.654	6.4051
19	22,634	297,908	566.586	12.1621	74	221.22	1,584.07	103.880	6.1606
20	20,944	275,274	553.070	12.1435	75	197.04	1,362.85	96.088	5.9166
21	19,380	254,331	540.555	12.1235	76	174.68	1,165.81	88.325	5.6739
22	17,933	234,951	528.966	12.1018	77	154.08	991.13	80.659	5.4327
23	16,594	217,018	518.236	12.0784	78	135.15	837.05	73.148	5.1934
24	15,354	200,424	508.144	12.0532	79	117.85	701.90	65.855	4.9560
25	14,207	185,070	498.507	12.0263	80	102.09	584.05	58.827	4.7209
26	13,146	170,863	489.583	11.9972	81	87.791	481.962	52.090	4.4899
27	12,164	157,717	481.070	11.9661	82	74.870	394.172	45.672	4.2648
28	11,255	145,553	472.957	11.9327	83	63.292	319.302	39.640	4.0449
29	10,413	134,298	465.122	11.8970	84	53.014	256.009	34.051	3.8291
30	9,634.1	123,885.0	457.470	11.8590	85	43.968	202.995	28.931	3.6169
31	8,913.0	114,250.9	450.016	11.8184	86	36.045	159.027	24.265	3.4119
32	8,245.4	105,337.8	442.604	11.7753	87	29.140	122.982	20.030	3.2204
33	7,627.3	97,092.4	435.267	11.7296	88	23.220	93.842	16.269	3.0414
34	7,054.9	89,465.1	427.890	11.6812	89	18.244	70.622	13.013	2.8710
35	6,525.0	82,410.2	420.517	11.6300	90	14.139	52.378	10.259	2.7046
36	6,034.3	75,885.2	413.128	11.5757	91	10.791	38.240	7.959	2.5436
37	5,579.8	69,850.9	405.706	11.5184	92	8.0886	27.4484	6.0554	2.3935
38	5,159.0	64,271.1	398.135	11.4582	93	5.9453	19.3598	4.5112	2.2563
39	4,769.1	59,112.1	390.430	11.3948	94	4.2829	13.4145	3.2892	2.1321
40	4,408.0	54,343.0	382.604	11.3282	95	3.0231	9.1316	2.3467	2.0206
41	4,073.6	49,935.0	374.719	11.2582	96	2.0910	6.1085	1.6386	1.9213
42	3,763.9	45,861.4	366.787	11.1845	97	1.4179	4.0175	1.1203	1.8334
43	3,477.1	42,097.5	358.748	11.1071	98	.94382	2.59956	.75126	1.7543
44	3,211.3	38,620.4	350.560	11.0263	99	.61664	1.65573	.49400	1.6851
45	2,965.2	35,409.1	342.258	10.9417	100	.39640	1.03909	.31943	1.6213
46	2,737.1	32,443.9	333.817	10.8535	101	.25044	.64268	.20284	1.5661
47	2,525.8	29,706.8	325.303	10.7613	102	.15589	.39223	.12684	1.5160
48	2,330.2	27,181.0	316.748	10.6649	103	.09563	.23634	.07812	1.4714
49	2,149.0	24,850.9	308.182	10.5640	104	.05780	.14070	.04738	1.4342
50	1,981.3	22,701.9	299.632	10.4583	105	.03465	.08290	.02851	1.3925
51	1,825.9	20,720.6	291.084	10.3479	106	.02033	.04825	.01676	1.3723
52	1,682.1	18,894.7	282.511	10.2327	107	.01193	.02791	.00986	1.3385
53	1,549.0	17,212.6	273.947	10.1124	108	.00687	.01597	.00569	1.3232
54	1,425.7	15,663.6	265.390	9.9869	109	.00386	.00909	.00319	1.3537

TABLE 45. UNITED STATES NEGRO MALES: 1969-71--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	2,695,665	21,485.489	25.9566	55	13,007	172,599	7,979.339	12.2702
1	93,586	2,595,665	17,984.518	26.7355	56	12,319	159,593	7,670.625	11.9551
2	90,657	2,502,078	17,780.917	26.5994	57	11,650	147,274	7,360.516	11.6415
3	87,876	2,411,421	17,640.900	26.4410	58	11,000	135,624	7,049.355	11.3299
4	85,222	2,323,545	17,545.832	26.2646	59	10,367	124,624	6,737.292	11.0211
5	82,660	2,238,323	17,466.472	26.0786	60	9,752.4	114,257.2	6,424.474	10.7159
6	80,185	2,155,663	17,398.636	25.8836	61	9,155.0	104,504.9	6,111.209	10.4150
7	77,790	2,075,478	17,339.280	25.6805	62	8,575.6	95,349.8	5,798.429	10.1187
8	75,473	1,997,688	17,287.969	25.4689	63	8,014.6	86,774.2	5,487.149	9.8271
9	73,230	1,922,215	17,242.750	25.2492	64	7,473.0	78,759.7	5,179.053	9.5392
10	71,059	1,848,985	17,204.801	25.0205	65	6,952.4	71,286.6	4,876.124	9.2535
11	68,955	1,777,926	17,170.848	24.7838	66	6,454.0	64,334.2	4,580.170	8.9681
12	66,914	1,708,971	17,137.883	24.5399	67	5,977.6	57,880.2	4,291.732	8.6829
13	64,927	1,642,058	17,099.740	24.2910	68	5,521.8	51,902.7	4,010.087	8.3996
14	62,985	1,577,131	17,048.843	24.0399	69	5,084.6	46,380.8	3,733.654	8.1219
15	61,080	1,514,146	16,978.880	23.7895	70	4,663.5	41,296.3	3,460.725	7.8552
16	59,211	1,453,066	16,888.521	23.5405	71	4,257.6	36,632.8	3,190.596	7.6041
17	57,376	1,393,855	16,778.408	23.2933	72	3,867.6	32,375.2	2,924.644	7.3708
18	55,576	1,336,479	16,649.181	23.0479	73	3,496.2	28,507.6	2,665.861	7.1539
19	53,809	1,280,903	16,500.907	22.8047	74	3,147.4	25,011.4	2,418.879	6.9468
20	52,075	1,227,094	16,334.251	22.5640	75	2,824.0	21,864.0	2,187.152	6.7423
21	50,369	1,175,020	16,145.571	22.3280	76	2,525.4	19,040.1	1,970.848	6.5394
22	48,691	1,124,650	15,934.204	22.0977	77	2,250.1	16,514.7	1,769.060	6.3396
23	47,045	1,075,959	15,706.193	21.8709	78	1,997.2	14,264.6	1,581.723	6.1423
24	45,443	1,028,914	15,474.492	21.6419	79	1,766.1	12,267.4	1,408.845	5.9458
25	43,894	983,471	15,249.062	21.4057	80	1,556.3	10,501.2	1,250.399	5.7477
26	42,401	939,578	15,034.372	21.1595	81	1,366.5	8,945.0	1,105.967	5.5459
27	40,960	897,177	14,828.635	20.9037	82	1,196.0	7,578.5	975.308	5.3363
28	39,568	856,217	14,629.765	20.6391	83	1,043.0	6,382.4	857.054	5.1196
29	38,219	816,649	14,432.869	20.3677	84	905.53	5,339.49	750.011	4.8965
30	36,907	778,430	14,234.703	20.0914	85	782.12	4,433.96	652.975	4.6692
31	35,632	741,523	14,034.709	19.8103	86	670.17	3,651.84	563.803	4.4491
32	34,394	705,890	13,834.327	19.5235	87	569.27	2,981.67	482.424	4.2377
33	33,191	671,496	13,632.618	19.2314	88	478.87	2,412.40	408.609	4.0377
34	32,019	638,305	13,427.633	18.9352	89	398.73	1,933.53	342.417	3.8492
35	30,877	606,286	13,218.668	18.6352	90	328.38	1,534.79	283.678	3.6738
36	29,765	575,409	13,005.093	18.3320	91	267.35	1,206.41	232.217	3.5124
37	28,680	545,644	12,787.354	18.0253	92	215.08	939.06	187.725	3.3662
38	27,621	516,964	12,564.249	17.7160	93	170.86	723.98	149.777	3.2372
39	26,588	489,343	12,335.643	17.4044	94	134.01	553.12	117.904	3.1273
40	25,579	462,754	12,101.127	17.0909	95	103.81	419.11	91.604	3.0372
41	24,594	437,175	11,861.239	16.7753	96	79.353	315.294	70.170	2.9733
42	23,633	412,580	11,616.490	16.4575	97	60.212	235.940	53.340	2.9185
43	22,695	388,947	11,366.527	16.1379	98	45.431	175.728	40.313	2.8680
44	21,779	366,252	11,111.587	15.8167	99	34.086	130.297	30.291	2.8226
45	20,884	344,473	10,851.115	15.4943	100	25.444	96.211	22.642	2.7813
46	20,011	323,589	10,585.649	15.1709	101	18.893	70.767	16.832	2.7456
47	19,158	303,578	10,315.702	14.8462	102	13.978	51.874	12.467	2.7111
48	18,325	284,420	10,040.791	14.5210	103	10.285	37.896	9.182	2.6844
49	17,511	266,095	9,760.965	14.1956	104	7.5356	27.6105	6.7314	2.6640
50	16,716	248,584	9,475.832	13.8709	105	5.5207	20.0749	4.9360	2.6363
51	15,939	231,868	9,185.715	13.5471	106	4.0091	14.5542	3.5851	2.6303
52	15,179	215,929	8,890.287	13.2250	107	2.9192	10.5451	2.6121	2.6123
53	14,437	200,749	8,590.104	12.9050	108	2.1359	7.6259	1.9138	2.5703
54	13,713	186,312	8,286.099	12.5869	109	1.5153	5.4899	1.3554	2.6228

TABLE 46. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 3.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,435,080	17,654.315	23.3508	55	9,965.3	126,366.2	5,692.011	11.6807
1	93,134	2,335,080	14,170.257	24.0722	56	9,392.9	116,400.9	5,456.625	11.3925
2	89,783	2,241,945	13,968.619	23.9707	57	8,839.9	107,008.0	5,221.317	11.1051
3	86,609	2,152,162	13,800.622	23.8492	58	8,306.0	98,168.1	4,986.352	10.8189
4	83,587	2,065,553	13,737.378	23.7114	59	7,790.7	89,862.0	4,751.844	10.5346
5	80,683	1,981,966	13,659.916	23.5649	60	7,293.3	82,071.4	4,517.904	10.2530
6	77,889	1,901,283	13,594.023	23.4103	61	6,813.5	74,778.1	4,284.762	9.9750
7	75,197	1,823,394	13,536.645	23.2481	62	6,351.4	67,964.6	4,053.105	9.7007
8	72,605	1,748,197	13,487.283	23.0782	63	5,907.2	61,613.2	3,823.672	9.4302
9	70,107	1,675,592	13,443.993	22.9007	64	5,481.5	55,706.0	3,597.684	9.1626
10	67,700	1,605,486	13,407.838	22.7148	65	5,075.0	50,224.5	3,376.559	8.8965
11	65,378	1,537,786	13,375.646	22.5214	66	4,688.4	45,149.6	3,161.569	8.6301
12	63,136	1,472,408	13,344.542	22.3212	67	4,321.3	40,461.2	2,953.051	8.3632
13	60,965	1,409,272	13,308.735	22.1160	68	3,972.5	36,139.9	2,750.428	8.0974
14	58,856	1,348,306	13,261.166	21.9085	69	3,640.3	32,167.3	2,552.515	7.8365
15	56,801	1,289,450	13,196.105	21.7013	70	3,322.7	28,527.0	2,358.055	7.5854
16	54,796	1,232,650	13,112.483	21.4951	71	3,018.8	25,204.3	2,166.519	7.3490
17	52,842	1,177,853	13,011.072	21.2902	72	2,729.1	22,185.5	1,978.857	7.1293
18	50,937	1,125,012	12,892.632	21.0865	73	2,455.1	19,456.4	1,797.134	6.9249
19	49,079	1,074,075	12,757.392	20.8847	74	2,199.5	17,001.3	1,624.537	6.7298
20	47,268	1,024,996	12,606.119	20.6849	75	1,963.9	14,801.8	1,463.383	6.5369
21	45,499	977,728	12,435.684	20.4890	76	1,747.8	12,837.9	1,313.681	6.3451
22	43,770	932,229	12,245.678	20.2982	77	1,549.7	11,090.1	1,174.700	6.1562
23	42,086	888,459	12,041.700	20.1105	78	1,368.9	9,540.4	1,046.296	5.9693
24	40,457	846,373	11,835.422	19.9204	79	1,204.7	8,171.4	928.374	5.7830
25	38,889	805,916	11,635.696	19.7236	80	1,056.4	6,966.7	820.819	5.5947
26	37,385	767,027	11,446.404	19.5172	81	923.12	5,910.33	723.250	5.4026
27	35,940	729,643	11,265.884	19.3018	82	804.06	4,987.22	635.412	5.2025
28	34,551	693,703	11,092.231	19.0778	83	697.76	4,183.15	556.298	4.9951
29	33,211	659,152	10,921.132	18.8472	84	602.89	3,485.40	485.029	4.7811
30	31,917	625,941	10,749.762	18.6116	85	518.21	2,882.50	420.736	4.5624
31	30,665	594,024	10,577.647	18.3711	86	441.89	2,364.29	361.939	4.3504
32	29,457	563,359	10,406.031	18.1249	87	373.55	1,922.40	308.539	4.1463
33	28,289	533,902	10,234.112	17.8733	88	312.71	1,548.85	260.336	3.9530
34	27,158	505,613	10,060.246	17.6173	89	259.12	1,236.14	217.321	3.7705
35	26,063	478,455	9,883.859	17.3573	90	212.37	977.02	179.332	3.6005
36	25,003	452,391	9,704.453	17.0937	91	172.07	764.65	146.212	3.4438
37	23,975	427,389	9,522.432	16.8263	92	137.75	552.58	117.715	3.3017
38	22,979	403,413	9,336.827	16.5559	93	108.91	454.82	93.527	3.1762
39	22,013	380,435	9,147.564	16.2827	94	85.008	345.916	73.310	3.0692
40	21,075	358,422	8,954.346	16.0071	95	65.531	260.908	56.708	2.9814
41	20,166	337,347	8,757.657	15.7289	96	49.850	195.377	43.243	2.9193
42	19,284	317,182	8,557.952	15.4480	97	37.643	145.527	32.722	2.8660
43	18,429	297,898	8,354.977	15.1648	98	28.265	107.884	24.617	2.8169
44	17,600	279,469	8,148.961	14.8793	99	21.104	79.619	18.411	2.7727
45	16,795	261,869	7,939.492	14.5921	100	15.677	58.515	13.699	2.7325
46	16,015	245,074	7,727.038	14.3032	101	11.585	42.838	10.136	2.6977
47	15,258	229,060	7,512.041	14.0124	102	8.5296	31.2530	7.4727	2.6641
48	14,524	213,802	7,294.149	13.7204	103	6.2459	22.7234	5.4775	2.6381
49	13,812	199,278	7,073.433	13.4276	104	4.5540	16.4775	3.9968	2.6183
50	13,121	185,465	6,849.616	13.1346	105	3.3202	11.9235	2.9170	2.5912
51	12,451	172,344	6,622.988	12.8417	106	2.3994	8.6033	2.1085	2.5855
52	11,800	159,893	6,393.326	12.5499	107	1.7387	6.2038	1.5289	2.5800
53	11,169	148,093	6,161.095	12.2592	108	1.2660	4.4651	1.1150	2.5768
54	10,557	136,923	5,927.043	11.9695	109	.89389	3.19906	.78571	2.5788

TABLE 47. UNITED STATES NEGRO MALES: 1969-71--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	2,216,010	14,768.836	21.1601	55	7,644.9	92,793.4	4,075.967	11.1379
1	92,687	2,116,010	11,301.528	21.8297	56	7,171.2	85,148.5	3,896.256	10.8737
2	88,922	2,023,324	11,101.824	21.7539	57	6,716.6	77,977.3	3,717.469	10.6096
3	85,366	1,934,402	10,965.808	21.6601	58	6,280.6	71,260.7	3,539.800	10.3462
4	81,991	1,849,036	10,874.344	21.5517	59	5,862.6	64,980.1	3,363.330	10.0839
5	78,762	1,767,045	10,798.726	21.4352	60	5,461.9	59,117.5	3,188.134	9.8237
6	75,669	1,688,283	10,734.711	21.3115	61	5,078.1	53,655.7	3,014.375	9.5662
7	72,703	1,612,614	10,679.237	21.1809	62	4,710.9	48,577.6	2,842.552	9.3117
8	69,859	1,539,911	10,631.742	21.0431	63	4,360.4	43,866.7	2,673.197	9.0603
9	67,131	1,470,052	10,590.289	20.8983	64	4,026.7	39,566.3	2,507.187	8.8112
10	64,514	1,402,921	10,555.836	20.7459	65	3,710.1	35,479.6	2,345.531	8.5629
11	62,002	1,338,407	10,525.305	20.5863	66	3,411.0	31,769.5	2,189.115	8.3138
12	59,588	1,276,405	10,495.949	20.4203	67	3,128.8	28,358.5	2,038.137	8.0636
13	57,263	1,216,816	10,462.317	20.2496	68	2,862.5	25,229.6	1,892.133	7.8138
14	55,016	1,159,553	10,417.851	20.0766	69	2,610.5	22,367.1	1,750.208	7.5682
15	52,840	1,104,537	10,357.328	19.9036	70	2,371.3	19,756.7	1,611.430	7.3316
16	50,730	1,051,698	10,279.911	19.7313	71	2,144.1	17,385.4	1,475.396	7.1086
17	48,685	1,000,968	10,186.477	19.5600	72	1,929.0	15,241.3	1,342.754	6.9013
18	46,704	952,283	10,077.879	19.3897	73	1,726.9	13,312.3	1,214.927	6.7086
19	44,784	905,578	9,954.472	19.2208	74	1,539.7	11,585.4	1,094.103	6.5245
20	42,925	860,794	9,817.099	19.0536	75	1,368.2	10,045.7	981.832	6.3422
21	41,120	817,869	9,663.069	18.8900	76	1,211.8	8,677.5	878.041	6.1609
22	39,367	776,750	9,492.177	18.7309	77	1,069.3	7,465.7	782.147	5.9819
23	37,670	737,383	9,309.600	18.5746	78	939.99	6,396.41	693.975	5.8048
24	36,038	699,712	9,125.853	18.4160	79	823.25	5,456.42	613.392	5.6279
25	34,475	663,674	8,948.797	18.2510	80	718.44	4,633.17	540.246	5.4489
26	32,982	629,200	8,781.798	18.0772	81	624.78	3,914.72	474.210	5.2658
27	31,555	596,218	8,623.303	17.8947	82	541.58	3,289.95	415.046	5.0747
28	30,189	564,663	8,471.571	17.7040	83	467.72	2,748.36	362.014	4.8761
29	28,879	534,474	8,322.789	17.5070	84	402.19	2,280.64	314.471	4.6706
30	27,620	505,594	8,174.487	17.3051	85	344.04	1,878.45	271.787	4.4601
31	26,410	477,974	8,026.257	17.0983	86	291.96	1,534.42	232.940	4.2557
32	25,247	451,564	7,879.167	16.8858	87	245.62	1,242.46	197.828	4.0586
33	24,129	426,317	7,732.527	16.6680	88	204.63	996.85	166.286	3.8715
34	23,054	402,188	7,584.938	16.4457	89	168.74	792.22	138.274	3.6948
35	22,018	379,134	7,435.929	16.2193	90	137.63	623.48	113.655	3.5299
36	21,020	357,116	7,285.099	15.9891	91	110.98	485.84	92.293	3.3778
37	20,060	336,096	7,132.806	15.7549	92	88.420	374.863	74.002	3.2396
38	19,133	316,036	6,978.260	15.5174	93	69.568	286.443	58.551	3.1174
39	18,241	296,903	6,821.426	15.2769	94	54.040	216.875	45.699	3.0132
40	17,380	278,662	6,662.085	15.0336	95	41.459	162.835	35.196	2.9277
41	16,550	261,282	6,500.661	14.7875	96	31.386	121.376	26.718	2.8672
42	15,750	244,732	6,337.550	14.5382	97	23.586	89.990	20.125	2.8153
43	14,980	228,982	6,172.565	14.2863	98	17.625	66.404	15.071	2.7676
44	14,237	214,002	6,005.914	14.0317	99	13.097	48.779	11.220	2.7245
45	13,521	199,765	5,837.284	13.7749	100	9.6822	35.6820	8.3098	2.6853
46	12,830	186,245	5,667.073	13.5160	101	7.1204	25.9998	6.1204	2.6515
47	12,165	173,414	5,495.653	13.2547	102	5.2173	18.8794	4.4912	2.6186
48	11,525	161,249	5,322.760	12.9917	103	3.8021	13.6621	3.2766	2.5933
49	10,907	149,724	5,148.467	12.7272	104	2.7588	9.8600	2.3796	2.5740
50	10,312	138,817	4,972.577	12.4621	105	2.0017	7.1012	1.7286	2.5476
51	9,737.9	128,505.6	4,795.333	12.1965	106	1.4396	5.0995	1.2435	2.5222
52	9,184.6	118,767.7	4,616.580	11.9312	107	1.0382	3.6599	.8974	2.5252
53	8,651.4	109,583.1	4,436.696	11.6665	108	.75232	2.62167	.65148	2.4848
54	8,138.3	100,931.7	4,256.274	11.4021	109	.52862	1.86935	.45672	2.5363

TABLE 48. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 4.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,030,225	12,574.034	19.3023	55	5,872.4	68,337.0	2,929.608	10.6371
1	92,243	1,930,225	9,123.316	19.9254	56	5,482.1	62,464.7	2,792.226	10.3943
2	88,073	1,837,982	8,925.518	19.8688	57	5,110.0	56,982.6	2,656.205	10.1512
3	84,146	1,749,909	8,791.445	19.7960	58	4,755.4	51,872.6	2,521.681	9.9081
4	80,433	1,665,763	8,701.719	19.7099	59	4,417.7	47,117.2	2,388.704	9.6656
5	76,896	1,585,330	8,627.893	19.6166	60	4,096.1	42,699.5	2,257.318	9.4245
6	73,522	1,508,434	8,565.694	19.5167	61	3,790.0	38,603.4	2,127.634	9.1857
7	70,303	1,434,912	8,512.051	19.4105	62	3,499.2	34,813.5	2,000.008	8.9491
8	67,229	1,364,609	8,466.344	19.2978	63	3,223.3	31,314.3	1,874.818	8.7150
9	64,295	1,297,380	8,426.643	19.1787	64	2,962.3	28,091.0	1,752.687	8.4827
10	61,493	1,233,085	8,393.803	19.0524	65	2,716.4	25,128.7	1,634.328	8.2506
11	58,816	1,171,592	8,364.841	18.9196	66	2,485.5	22,442.3	1,520.354	8.0173
12	56,256	1,112,776	8,337.127	18.7807	67	2,269.0	19,926.8	1,410.869	7.7823
13	53,802	1,056,520	8,305.528	18.6373	68	2,065.9	17,657.8	1,305.497	7.5474
14	51,443	1,002,718	8,263.950	18.4918	69	1,875.0	15,591.9	1,203.559	7.3158
15	49,172	951,275	8,207.627	18.3460	70	1,695.0	13,717.0	1,104.359	7.0924
16	46,982	902,104	8,135.929	18.2008	71	1,525.3	12,021.9	1,007.585	6.8818
17	44,873	855,121	8,049.811	18.0564	72	1,365.7	10,496.6	913.675	6.6860
18	42,841	810,248	7,950.195	17.9128	73	1,216.8	9,131.0	823.608	6.5040
19	40,884	767,407	7,837.537	17.7705	74	1,079.7	7,914.1	738.883	6.3301
20	38,998	726,523	7,712.729	17.6296	75	954.84	6,834.47	660.531	6.1577
21	37,180	687,525	7,573.457	17.4919	76	841.63	5,879.63	588.445	5.9860
22	35,425	650,345	7,419.678	17.3584	77	739.11	5,037.99	522.161	5.8163
23	33,736	614,920	7,256.170	17.2274	78	646.63	4,298.88	461.507	5.6482
24	32,119	581,184	7,092.402	17.0944	79	563.61	3,652.26	406.338	5.4801
25	30,579	549,064	6,935.353	16.9554	80	489.50	3,088.65	356.501	5.3097
26	29,115	518,485	6,787.933	16.8082	81	423.65	2,599.14	311.723	5.1351
27	27,722	489,370	6,648.689	16.6527	82	365.48	2,175.49	271.797	4.9524
28	26,396	461,648	6,516.024	16.4896	83	314.12	1,810.01	236.181	4.7621
29	25,129	435,252	6,386.561	16.3204	84	268.82	1,495.89	204.403	4.5647
30	23,919	410,123	6,258.134	16.1464	85	228.85	1,227.07	176.011	4.3619
31	22,761	386,204	6,130.383	15.9677	86	193.28	998.22	150.293	4.1647
32	21,655	363,443	6,004.221	15.7834	87	161.82	804.94	127.160	3.9742
33	20,597	341,788	5,879.046	15.5939	88	134.17	643.12	106.478	3.7932
34	19,585	321,191	5,753.665	15.4000	89	110.11	508.95	88.199	3.6219
35	18,615	301,606	5,627.683	15.2019	90	89.384	398.831	72.210	3.4620
36	17,687	282,990	5,500.771	14.9999	91	71.729	309.446	58.403	3.3141
37	16,798	265,303	5,373.241	14.7939	92	56.875	237.717	46.638	3.1797
38	15,946	248,506	5,244.444	14.5845	93	44.534	180.843	36.747	3.0607
39	15,129	232,560	5,114.367	14.3719	94	34.429	136.308	28.559	2.9592
40	14,346	217,431	4,982.841	14.1563	95	26.287	101.880	21.899	2.8757
41	13,596	203,085	4,850.234	13.9376	96	19.805	75.593	16.550	2.8169
42	12,877	189,490	4,716.882	13.7157	97	14.812	55.788	12.410	2.7664
43	12,188	176,613	4,582.643	13.4907	98	11.015	40.976	9.251	2.7199
44	11,528	164,425	4,447.698	13.2628	99	8.1460	29.9607	6.8558	2.6780
45	10,896	152,897	4,311.803	13.0325	100	5.9935	21.8147	5.0541	2.6397
46	10,290	142,001	4,175.291	12.7997	101	4.3866	15.8212	3.7053	2.6067
47	9,710.2	131,710.7	4,038.467	12.5641	102	3.1988	11.4346	2.7064	2.5747
48	9,154.7	122,000.5	3,901.127	12.3265	103	2.3199	8.2359	1.9653	2.5500
49	8,622.7	112,845.8	3,763.338	12.0870	104	1.6753	5.9159	1.4205	2.5313
50	8,113.0	104,223.0	3,624.951	11.8464	105	1.2097	4.2406	1.0271	2.5054
51	7,624.9	96,110.0	3,486.167	11.6048	106	.86588	3.03088	.73536	2.5003
52	7,157.2	88,485.1	3,346.870	11.3630	107	.62144	2.16499	.52822	2.4838
53	6,709.5	81,327.9	3,207.363	11.1213	108	.44817	1.54354	.38170	2.4441
54	6,281.3	74,618.4	3,068.108	10.8794	109	.31340	1.09537	.26623	2.4951

TABLE 49. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,871,356	10,887,807	17.7136	55	4,516.4	50,467.0	2,113.255	10.1740
1	91,804	1,771,356	7,453,522	18.2950	56	4,196.2	45,950.5	2,008.097	9.9505
2	87,236	1,679,552	7,257,603	18.2529	57	3,892.8	41,754.3	1,904.476	9.7261
3	82,950	1,592,316	7,125,436	18.1961	58	3,605.4	37,861.5	1,802.485	9.5013
4	78,912	1,509,366	7,037,407	18.1272	59	3,333.4	34,256.1	1,702.146	9.2767
5	75,082	1,430,454	6,965,322	18.0518	60	3,076.0	30,922.7	1,603.480	9.0529
6	71,446	1,355,372	6,904,879	17.9705	61	2,832.6	27,846.7	1,506.555	8.8308
7	67,992	1,283,925	6,852,999	17.8834	62	2,602.6	25,014.1	1,411.624	8.6166
8	64,711	1,215,933	6,809,005	17.7903	63	2,386.2	22,411.4	1,318.947	8.3923
9	61,591	1,151,223	6,770,973	17.6914	64	2,182.5	20,025.2	1,228.965	8.1752
10	58,627	1,089,631	6,739,663	17.5859	65	1,991.8	17,842.7	1,142.178	7.9579
11	55,808	1,031,005	6,712,183	17.4743	66	1,813.8	15,850.8	1,059.004	7.7390
12	53,124	975,197	6,686,012	17.3570	67	1,647.9	14,037.0	979.486	7.5180
13	50,565	922,073	6,656,314	17.2356	68	1,493.3	12,389.1	903.321	7.2966
14	48,118	871,508	6,617,424	17.1120	69	1,348.8	10,895.8	829.988	7.0779
15	45,774	823,391	6,564,993	16.9881	70	1,213.6	9,547.0	758.964	6.8668
16	43,528	777,617	6,498,567	16.8648	71	1,086.8	8,333.4	690.008	6.6676
17	41,376	734,089	6,419,161	16.7420	72	968.49	7,246.58	623.411	6.4824
18	39,314	692,713	6,327,746	16.6200	73	858.80	6,278.09	559.843	6.3103
19	37,339	653,399	6,224,855	16.4991	74	758.39	5,419.29	500.330	6.1458
20	35,448	616,060	6,111,411	16.3795	75	667.50	4,660.90	445.557	5.9826
21	33,634	580,612	5,985,423	16.2628	76	585.56	3,993.40	395.403	5.8197
22	31,894	546,978	5,846,973	16.1501	77	511.78	3,407.83	349.506	5.6587
23	30,228	515,085	5,700,466	16.0398	78	445.61	2,896.05	307.707	5.4990
24	28,643	484,857	5,554,424	15.9277	79	386.56	2,450.44	269.869	5.3391
25	27,140	456,214	5,415,041	15.8100	80	334.13	2,063.88	235.851	5.1769
26	25,717	429,074	5,284,827	15.6845	81	287.80	1,729.75	205.432	5.0102
27	24,370	403,357	5,162,420	15.5514	82	247.10	1,441.95	178.437	4.8354
28	23,093	378,987	5,046,353	15.4111	83	211.37	1,194.85	154.472	4.6529
29	21,881	355,894	4,933,626	15.2650	84	180.02	983.48	133.191	4.4631
30	20,728	334,013	4,822,333	15.1143	85	152.53	803.45	114.267	4.2676
31	19,631	313,285	4,712,153	14.9591	86	128.20	650.93	97.208	4.0772
32	18,587	293,655	4,603,862	14.7986	87	106.83	522.72	81.937	3.8931
33	17,595	275,067	4,496,931	14.6329	88	88.153	415.893	68.349	3.7178
34	16,651	257,472	4,390,332	14.4629	89	72.003	327.740	56.396	3.5518
35	15,751	240,821	4,283,733	14.2889	90	58.169	255.737	45.991	3.3965
36	14,894	225,070	4,176,858	14.1110	91	46.457	197.568	37.049	3.2527
37	14,078	210,175	4,069,975	13.9290	92	36.661	151.111	29.465	3.1219
38	13,300	196,097	3,962,544	13.7436	93	28.570	114.451	23.120	3.0060
39	12,559	182,796	3,854,561	13.5548	94	21.981	85.881	17.892	2.9070
40	11,852	170,237	3,745,896	13.3631	95	16.703	63.899	13.660	2.8256
41	11,179	158,385	3,636,859	13.1681	96	12.525	47.196	10.277	2.7683
42	10,538	147,206	3,527,732	12.9697	97	9.3225	34.6716	7.6715	2.7191
43	9,926.4	136,668.3	3,418,402	12.7681	98	6.9000	25.3491	5.6929	2.6738
44	9,344.3	126,741.9	3,309,020	12.5635	99	5.0783	18.4491	4.1998	2.6329
45	8,789.8	117,397.6	3,199,393	12.3562	100	3.7186	13.3708	3.0819	2.5957
46	8,261.6	108,607.8	3,089,792	12.1461	101	2.7086	9.6522	2.2490	2.5635
47	7,758.9	100,346.2	2,980,464	11.9331	102	1.9658	6.9436	1.6351	2.5322
48	7,280.2	92,587.4	2,871,247	11.7177	103	1.4189	4.9778	1.1819	2.5082
49	6,824.4	85,307.2	2,762,194	11.5002	104	1.0198	3.5589	.8503	2.4899
50	6,390.5	78,482.8	2,653,189	11.2812	105	.73287	2.53909	.61196	2.4646
51	5,977.4	72,092.3	2,544,392	11.0609	106	.52206	1.80621	.43605	2.4498
52	5,584.0	66,114.9	2,435,714	10.8400	107	.37290	1.28415	.31175	2.4437
53	5,209.8	60,530.9	2,327,390	10.6186	108	.26764	.91125	.22425	2.4077
54	4,854.1	55,321.1	2,219,776	10.3967	109	.18627	.64361	.15562	2.4552

TABLE 5C. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 5.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,734,436	9,579.174	16.3444	55	3,477.9	37,370.7	1,529.707	9.7451
1	91,369	1,634,436	6,161.164	16.8884	56	3,216.0	33,892.8	1,449.113	9.5387
2	86,411	1,543,067	5,967.098	16.8572	57	2,969.3	30,676.8	1,370.073	9.3312
3	81,776	1,456,656	5,836.801	16.8127	58	2,737.1	27,707.4	1,292.645	9.1229
4	77,427	1,374,880	5,750.429	16.7572	59	2,518.6	24,970.3	1,216.832	8.9144
5	73,320	1,297,453	5,680.037	16.6958	60	2,313.1	22,451.7	1,142.636	8.7063
6	69,439	1,224,133	5,621.292	16.6290	61	2,120.0	20,139.6	1,070.095	8.4995
7	65,768	1,154,695	5,571.100	16.5570	62	1,938.7	18,018.6	999.383	8.2940
8	62,297	1,088,926	5,528.755	16.4795	63	1,769.0	16,079.9	930.678	8.0900
9	59,013	1,026,629	5,492.315	16.3966	64	1,610.4	14,310.9	864.286	7.8868
10	55,907	967,615	5,462.458	16.3076	65	1,462.7	12,700.6	800.555	7.6831
11	52,966	911,709	5,436.377	16.2130	66	1,325.6	11,237.9	739.767	7.4774
12	50,180	858,742	5,411.656	16.1132	67	1,198.7	9,912.3	681.927	7.2693
13	47,536	808,562	5,383.737	16.0094	68	1,081.1	8,713.6	626.787	7.0603
14	45,022	761,026	5,347.349	15.9035	69	971.86	7,632.55	573.950	6.8536
15	42,626	716,004	5,298.524	15.7975	70	870.26	6,660.69	523.019	6.6537
16	40,342	673,378	5,236.960	15.6917	71	775.68	5,790.43	473.805	6.4650
17	38,166	633,036	5,163.715	15.5866	72	687.93	5,014.76	426.500	6.2896
18	36,092	594,871	5,079.792	15.4821	73	607.13	4,326.82	381.561	6.1267
19	34,116	558,779	4,985.782	15.3786	74	533.60	3,719.69	339.687	5.9709
20	32,235	524,662	4,882.620	15.2763	75	467.43	3,186.09	301.331	5.8162
21	30,440	492,428	4,768.594	15.1769	76	408.11	2,718.66	266.377	5.6616
22	28,729	461,988	4,643.884	15.0811	77	355.00	2,310.55	234.540	5.5087
23	27,100	433,259	4,512.541	14.9877	78	307.63	1,955.56	205.684	5.3568
24	25,556	406,159	4,382.236	14.8927	79	265.60	1,647.92	179.686	5.2046
25	24,100	380,603	4,258.462	14.7924	80	228.49	1,382.33	156.424	5.0499
26	22,729	356,503	4,143.377	14.6850	81	195.87	1,153.84	135.721	4.8907
27	21,436	333,774	4,035.706	14.5705	82	167.38	957.96	117.436	4.7234
28	20,217	312,338	3,934.094	14.4492	83	142.49	790.59	101.279	4.5482
29	19,065	292,121	3,835.875	14.3224	84	120.79	648.09	87.001	4.3655
30	17,974	273,056	3,739.365	14.1913	85	101.85	527.30	74.364	4.1771
31	16,942	255,081	3,644.273	14.0558	86	85.207	425.450	63.027	3.9932
32	15,966	238,139	3,551.254	13.9153	87	70.663	340.243	52.925	3.8150
33	15,042	222,173	3,459.838	13.7699	88	58.034	269.580	43.980	3.6452
34	14,167	207,130	3,369.139	13.6202	89	47.177	211.547	36.148	3.4841
35	13,339	192,963	3,278.869	13.4666	90	37.932	164.370	29.363	3.3333
36	12,553	179,624	3,188.795	13.3092	91	30.151	126.438	23.559	3.1935
37	11,809	167,071	3,099.140	13.1478	92	23.680	96.287	18.661	3.0661
38	11,104	155,262	3,009.453	12.9829	93	18.367	72.606	14.582	2.9531
39	10,435	144,159	2,919.732	12.8148	94	14.064	54.240	11.237	2.8565
40	9,801.2	133,723.5	2,829.873	12.6435	95	10.636	40.175	8.542	2.7771
41	9,200.5	123,922.3	2,740.133	12.4690	96	7.9379	29.5389	6.3979	2.7213
42	8,631.5	114,721.8	2,650.745	12.2911	97	5.8804	21.6010	4.7543	2.6734
43	8,092.4	106,090.3	2,561.616	12.1099	98	4.3317	15.7206	3.5121	2.6292
44	7,581.8	97,997.9	2,472.866	11.9255	99	3.1730	11.3889	2.5792	2.5894
45	7,098.0	90,416.1	2,384.339	11.7383	100	2.3124	8.2160	1.8841	2.5530
46	6,639.9	83,318.1	2,296.253	11.5482	101	1.6764	5.9036	1.3686	2.5216
47	6,206.2	76,678.3	2,208.802	11.3550	102	1.2109	4.2272	.9905	2.4911
48	5,795.8	70,472.0	2,121.854	11.1593	103	.86986	3.01634	.71261	2.4676
49	5,407.2	64,676.3	2,035.448	10.9611	104	.62220	2.14648	.51030	2.4498
50	5,039.3	59,269.1	1,949.490	10.7613	105	.44503	1.52427	.36557	2.4251
51	4,691.2	54,229.7	1,864.103	10.5598	106	.31552	1.07924	.25925	2.4025
52	4,361.8	49,538.5	1,779.212	10.3574	107	.22430	.76372	.18448	2.4049
53	4,050.2	45,176.7	1,694.999	10.1542	108	.16022	.53941	.13210	2.3666
54	3,755.8	41,126.5	1,611.735	9.9502	109	.11098	.37919	.09121	2.4166

TABLE 51. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 6 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,615,560	8,553.226	15.1556	55	2,681.5	27,745.6	1,111.044	9.3468
1	90,938	1,515,560	5,751.339	15.6659	56	2,467.9	25,064.0	1,049.198	9.1559
2	85,598	1,424,622	4,959.100	15.6432	57	2,267.9	22,596.1	988.830	8.9636
3	80,624	1,339,024	4,830.638	15.6082	58	2,080.6	20,328.2	929.973	8.7702
4	75,976	1,258,399	4,745.884	15.5631	59	1,905.5	18,247.6	872.615	8.5763
5	71,607	1,182,423	4,677.137	15.5127	60	1,741.8	16,342.1	816.746	8.3825
6	67,496	1,110,817	4,620.035	15.4574	61	1,588.8	14,600.3	762.380	8.1895
7	63,627	1,043,320	4,571.486	15.3974	62	1,446.1	13,011.5	709.635	7.9974
8	59,985	979,693	4,530.704	15.3323	63	1,313.3	11,565.4	658.628	7.8065
9	56,555	919,708	4,495.782	15.2623	64	1,189.9	10,252.1	609.572	7.6161
10	53,325	863,153	4,467.304	15.1866	65	1,075.7	9,062.2	562.704	7.4248
11	50,282	809,828	4,442.545	15.1058	66	970.28	7,986.58	518.210	7.2312
12	47,412	759,546	4,419.187	15.0200	67	873.22	7,016.30	476.074	7.0349
13	44,702	712,134	4,392.932	14.9306	68	783.82	6,143.07	436.095	6.8374
14	42,138	667,431	4,358.875	14.8392	69	701.32	5,359.26	397.966	6.6417
15	39,707	625,293	4,313.393	14.7475	70	625.04	4,657.94	361.386	6.4522
16	37,403	585,586	4,256.314	14.6563	71	554.48	4,032.89	326.206	6.2732
17	35,218	548,183	4,188.726	14.5654	72	489.44	3,478.41	292.550	6.1069
18	33,147	512,965	4,111.650	14.4753	73	429.92	2,988.97	260.728	5.9525
19	31,185	479,818	4,025.717	14.3861	74	376.07	2,559.05	231.217	5.8047
20	29,326	448,633	3,931.864	14.2980	75	327.88	2,182.98	204.313	5.6579
21	27,563	419,307	3,828.615	14.2127	76	284.92	1,855.11	179.909	5.5111
22	25,890	391,744	3,716.226	14.1308	77	246.67	1,570.19	157.788	5.3656
23	24,307	365,853	3,598.417	14.0513	78	212.75	1,323.52	137.832	5.2211
24	22,815	341,546	3,482.090	13.9703	79	182.81	1,110.78	119.938	5.0761
25	21,414	318,731	3,372.115	13.8846	80	156.53	927.96	104.001	4.9284
26	20,100	297,318	3,270.343	13.7922	81	133.55	771.44	89.886	4.7763
27	18,867	277,218	3,175.575	13.6932	82	113.58	637.88	77.477	4.6160
28	17,710	258,351	3,086.564	13.5877	83	96.242	524.301	66.565	4.4477
29	16,622	240,641	3,000.929	13.4772	84	81.196	428.058	56.967	4.2719
30	15,597	224,019	2,917.182	13.3625	85	68.146	346.862	48.512	4.0900
31	14,632	208,421	2,835.055	13.2437	86	56.739	278.716	40.962	3.9123
32	13,724	193,789	2,755.097	13.1201	87	46.832	221.977	34.268	3.7398
33	12,869	180,064	2,676.887	12.9919	88	38.281	175.145	28.367	3.5753
34	12,064	167,195	2,599.657	12.8596	89	30.972	136.864	23.225	3.4189
35	11,304	155,132	2,523.155	12.7234	90	24.786	105.892	18.792	3.2723
36	10,588	143,827	2,447.178	12.5836	91	19.608	81.106	15.017	3.1363
37	9,913.7	133,239.1	2,371.913	12.4398	92	15.328	61.498	11.847	3.0122
38	9,277.7	123,325.4	2,296.975	12.2927	93	11.832	46.170	9.219	2.9021
39	8,677.9	114,047.7	2,222.363	12.1423	94	9.0178	34.3378	7.0741	2.8078
40	8,112.3	105,369.8	2,147.988	11.9889	95	6.7877	25.3200	5.3545	2.7303
41	7,579.2	97,257.5	2,074.062	11.8322	96	5.0417	18.5323	3.9927	2.6758
42	7,076.9	89,678.3	2,000.774	11.6720	97	3.7173	13.4906	2.9537	2.6292
43	6,603.6	82,601.4	1,928.042	11.5086	98	2.7254	9.7733	2.1722	2.5861
44	6,157.7	75,997.8	1,855.961	11.3419	99	1.9869	7.0480	1.5880	2.5472
45	5,737.6	69,840.1	1,784.401	11.1723	100	1.4412	5.0611	1.1547	2.5117
46	5,342.0	64,102.5	1,713.533	10.9998	101	1.0399	3.6199	.8350	2.4811
47	4,969.6	58,760.5	1,643.508	10.8241	102	.74756	2.58001	.60152	2.4512
48	4,619.0	53,790.9	1,574.213	10.6456	103	.53450	1.83245	.43077	2.4283
49	4,289.0	49,171.9	1,505.677	10.4647	104	.38051	1.29795	.30705	2.4110
50	3,978.4	44,882.9	1,437.816	10.2818	105	.27088	.91743	.21895	2.3888
51	3,686.1	40,904.6	1,370.724	10.0970	106	.19114	.64654	.15454	2.3825
52	3,411.0	37,218.5	1,304.337	9.9112	107	.13524	.45540	.10946	2.3672
53	3,152.4	33,807.5	1,238.791	9.7243	108	.09615	.32015	.07803	2.3296
54	2,909.5	30,655.0	1,174.289	9.5363	109	.06628	.22400	.05361	2.3791

TABLE 52. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 6.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,511,633	7,740.690	14.1163	55	2,070.0	20,651.8	809.607	8.9765
1	90,511	1,411,633	4,354.774	14.5963	56	1,896.2	18,581.7	762.089	8.7995
2	84,796	1,321,123	4,164.336	14.5800	57	1,734.3	16,685.5	715.924	8.6210
3	79,494	1,236,326	4,037.675	14.5524	58	1,583.6	14,951.2	671.126	8.4410
4	74,559	1,156,832	3,954.501	14.5156	59	1,443.5	13,367.6	627.673	8.2603
5	69,942	1,082,273	3,887.352	14.4740	60	1,313.3	11,924.1	585.547	8.0794
6	65,617	1,012,331	3,831.840	14.4278	61	1,192.4	10,610.8	544.748	7.8990
7	61,566	946,714	3,784.864	14.3773	62	1,080.2	9,418.4	505.350	7.7193
8	57,769	885,148	3,745.589	14.3223	63	976.34	8,338.23	467.430	7.5403
9	54,209	827,380	3,712.116	14.2626	64	880.45	7,361.89	431.131	7.3615
10	50,874	773,170	3,684.946	14.1978	65	792.19	6,481.44	396.614	7.1816
11	47,745	722,296	3,661.437	14.1281	66	711.23	5,689.25	363.999	6.9990
12	44,809	674,551	3,639.361	14.0539	67	637.08	4,978.02	333.258	6.8138
13	42,050	629,742	3,614.664	13.9762	68	569.17	4,340.94	304.227	6.6268
14	39,451	587,692	3,582.779	13.8966	69	506.87	3,771.77	276.670	6.4413
15	37,001	548,241	3,540.397	13.8169	70	449.62	3,264.90	250.356	6.2614
16	34,690	511,240	3,487.458	13.7374	71	396.99	2,815.28	225.168	6.0915
17	32,510	476,550	3,425.066	13.6584	72	348.78	2,418.28	201.185	5.9336
18	30,455	444,040	3,354.250	13.5801	73	304.92	2,069.50	178.615	5.7870
19	28,518	413,585	3,275.667	13.5026	74	265.48	1,764.58	157.782	5.6468
20	26,692	385,067	3,190.244	13.4263	75	230.37	1,499.10	138.878	5.5073
21	24,969	358,375	3,096.711	13.3526	76	199.25	1,268.73	121.813	5.3676
22	23,344	333,405	2,995.375	13.2822	77	171.69	1,069.48	106.415	5.2292
23	21,814	310,061	2,889.651	13.2141	78	147.39	897.79	92.591	5.0915
24	20,378	288,248	2,785.748	13.1448	79	126.05	750.41	80.252	4.9532
25	19,037	267,869	2,687.979	13.0711	80	107.42	624.36	69.315	4.8122
26	17,785	248,833	2,597.927	12.9912	81	91.223	516.934	59.674	4.6667
27	16,616	231,048	2,514.467	12.9052	82	77.220	425.710	51.238	4.5129
28	15,524	214,432	2,436.444	12.8131	83	65.123	348.490	43.854	4.3512
29	14,502	198,908	2,361.734	12.7162	84	54.684	283.367	37.390	4.1819
30	13,544	184,406	2,289.014	12.6155	85	45.679	228.683	31.722	4.0063
31	12,646	170,862	2,218.034	12.5109	86	37.855	183.003	26.685	3.8344
32	11,806	158,216	2,149.254	12.4017	87	31.099	145.149	22.240	3.6674
33	11,018	146,410	2,082.294	12.2881	88	25.301	114.050	18.340	3.5078
34	10,280	135,392	2,016.483	12.1706	89	20.374	88.750	14.958	3.3560
35	9,587.6	125,112.5	1,951.598	12.0494	90	16.228	68.375	12.055	3.2134
36	8,938.3	115,524.9	1,887.462	11.9247	91	12.778	52.147	9.595	3.0810
37	8,329.5	106,586.6	1,824.224	11.7963	92	9.9415	39.3695	7.5387	2.9601
38	7,758.5	98,257.1	1,761.557	11.6645	93	7.6383	29.4280	5.8422	2.8527
39	7,222.8	90,498.6	1,699.455	11.5295	94	5.7941	21.7896	4.4642	2.7607
40	6,720.4	83,275.8	1,637.841	11.3915	95	4.3408	15.9955	3.3645	2.6849
41	6,249.3	76,555.4	1,576.887	11.2503	96	3.2091	11.6547	2.4977	2.6318
42	5,807.7	70,306.1	1,516.742	11.1056	97	2.3550	8.4457	1.8395	2.5863
43	5,393.9	64,498.4	1,457.334	10.9578	98	1.7185	6.0907	1.3467	2.5443
44	5,006.1	59,104.5	1,398.735	10.8066	99	1.2469	4.3723	.9801	2.5064
45	4,642.6	54,098.5	1,340.832	10.6526	100	.90021	3.12532	.70947	2.4717
46	4,302.2	49,455.9	1,283.758	10.4955	101	.64648	2.22511	.51068	2.4418
47	3,983.5	45,153.7	1,227.627	10.3352	102	.46257	1.57862	.36622	2.4127
48	3,685.1	41,170.2	1,172.344	10.1721	103	.32918	1.11604	.26107	2.3903
49	3,405.7	37,485.1	1,117.921	10.0064	104	.23325	.78685	.18522	2.3734
50	3,144.2	34,079.4	1,064.288	9.8386	105	.16527	.55360	.13148	2.3497
51	2,899.6	30,935.1	1,011.512	9.6689	106	.11607	.38833	.09237	2.3456
52	2,670.6	28,035.5	959.535	9.4977	107	.08174	.27225	.06512	2.3308
53	2,456.6	25,364.9	908.458	9.3254	108	.05784	.19051	.04621	2.2938
54	2,256.6	22,908.4	858.430	9.1517	109	.03968	.13267	.03159	2.3429

TABLE 53. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 7 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,420,186	7,090.622	13.2019	55	1,599.9	15,409.6	591.825	8.6314
1	90,088	1,320,186	3,720.528	13.6544	56	1,458.7	13,809.6	555.270	8.4671
2	84,006	1,230,098	3,531.865	13.6431	57	1,327.9	12,350.9	519.922	8.3009
3	78,385	1,146,093	3,406.972	13.6213	58	1,206.9	11,023.0	485.781	8.1332
4	73,175	1,067,708	3,325.342	13.5911	59	1,095.0	9,816.1	452.820	7.9645
5	68,323	994,532	3,259.747	13.5564	60	991.55	8,721.10	421.015	7.7954
6	63,799	926,210	3,205.773	13.5176	61	896.03	7,729.54	390.355	7.6265
7	59,580	862,411	3,160.313	13.4749	62	807.94	6,833.52	360.887	7.4580
8	55,644	802,831	3,122.462	13.4280	63	726.85	6,025.58	332.656	7.2900
9	51,972	747,187	3,090.390	13.3768	64	652.40	5,298.73	305.759	7.1218
10	48,546	695,215	3,064.464	13.3208	65	584.27	4,646.32	280.301	6.9524
11	45,348	646,669	3,042.135	13.2603	66	522.10	4,062.05	256.360	6.7802
12	42,360	601,322	3,021.266	13.1955	67	465.48	3,539.95	233.899	6.6049
13	39,566	558,962	2,998.028	13.1275	68	413.92	3,074.47	212.786	6.4277
14	36,947	519,396	2,968.166	13.0577	69	366.89	2,660.55	192.839	6.2515
15	34,491	482,449	2,928.660	12.9878	70	323.93	2,293.65	173.881	6.0806
16	32,185	447,958	2,879.543	12.9181	71	284.68	1,969.72	155.819	5.9191
17	30,022	415,773	2,821.927	12.8489	72	248.94	1,685.04	138.702	5.7689
18	27,993	385,751	2,756.837	12.7803	73	216.62	1,436.10	122.668	5.6296
19	26,090	357,758	2,684.944	12.7126	74	187.72	1,219.49	107.937	5.4964
20	24,305	331,668	2,607.160	12.6460	75	162.13	1,031.77	94.633	5.3638
21	22,630	307,363	2,522.389	12.5820	76	139.57	869.64	82.679	5.2308
22	21,058	284,733	2,430.975	12.5211	77	119.70	730.07	71.943	5.0989
23	19,586	263,675	2,336.049	12.4625	78	102.28	610.36	62.350	4.9676
24	18,212	244,089	2,243.193	12.4029	79	87.066	508.082	53.827	4.8356
25	16,933	225,877	2,156.228	12.3393	80	73.851	421.015	46.308	4.7009
26	15,746	208,944	2,076.501	12.2699	81	62.422	347.164	39.710	4.5616
27	14,642	193,198	2,002.956	12.1947	82	52.593	284.742	33.965	4.4141
28	13,616	178,556	1,934.523	12.1139	83	44.147	232.149	28.960	4.2586
29	12,660	164,940	1,869.302	12.0287	84	36.897	188.002	24.598	4.0953
30	11,768	152,281	1,806.114	11.9398	85	30.677	151.105	20.792	3.9256
31	10,937	140,512	1,744.728	11.8473	86	25.303	120.428	17.425	3.7593
32	10,162	129,575	1,685.521	11.7504	87	20.690	95.124	14.467	3.5975
33	9,440.2	119,412.6	1,628.151	11.6494	88	16.754	74.434	11.885	3.4427
34	8,766.5	109,972.4	1,572.028	11.5446	89	13.429	57.680	9.655	3.2952
35	8,137.9	101,206.0	1,516.954	11.4364	90	10.646	44.251	7.751	3.1566
36	7,551.3	93,068.1	1,462.769	11.3247	91	8.3436	33.6049	6.1451	3.0276
37	7,004.1	85,516.7	1,409.594	11.2094	92	6.4611	25.2614	4.8085	2.9097
38	6,493.5	78,512.6	1,357.144	11.0910	93	4.9411	18.8002	3.7111	2.8049
39	6,016.9	72,019.1	1,305.411	10.9694	94	3.7306	13.8592	2.8239	2.7150
40	5,572.2	66,002.2	1,254.324	10.8449	95	2.7818	10.1286	2.1192	2.6411
41	5,157.4	60,429.9	1,204.020	10.7172	96	2.0469	7.3468	1.5663	2.5892
42	4,770.6	55,272.6	1,154.616	10.5861	97	1.4951	5.2999	1.1484	2.5449
43	4,409.9	50,502.0	1,106.045	10.4519	98	1.0859	3.8048	.8370	2.5038
44	4,073.7	46,092.1	1,058.359	10.3145	99	.78426	2.71892	.60639	2.4668
45	3,760.3	42,018.3	1,011.460	10.1741	100	.56354	1.93465	.43698	2.4330
46	3,468.3	38,258.0	965.448	10.0307	101	.40281	1.37111	.31311	2.4038
47	3,196.4	34,789.7	920.409	9.8841	102	.28687	.96829	.22353	2.3753
48	2,943.1	31,593.3	876.256	9.7347	103	.20320	.68141	.15862	2.3534
49	2,707.3	28,650.2	832.994	9.5825	104	.14330	.47821	.11202	2.3369
50	2,487.8	25,942.9	790.560	9.4282	105	.10106	.33490	.07915	2.3137
51	2,283.4	23,455.2	748.998	9.2718	106	.07064	.23383	.05535	2.3098
52	2,093.3	21,171.7	708.257	9.1139	107	.04952	.16318	.03884	2.2954
53	1,916.5	19,078.4	668.408	8.9547	108	.03487	.11366	.02744	2.2590
54	1,752.3	17,161.9	629.560	8.7939	109	.02382	.07878	.01866	2.3076

TABLE 54. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 7.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,339,231	6,565.279	12.3923	55	1,238.1	11,525.5	433.955	8.3093
1	89,669	1,239,231	3,210.860	12.8201	56	1,123.5	10,287.5	405.800	8.1564
2	83,226	1,149,562	3,023.948	12.8125	57	1,018.0	9,163.9	378.701	8.0015
3	77,296	1,066,336	2,900.789	12.7954	58	920.97	8,145.89	352.648	7.8449
4	71,823	989,040	2,820.668	12.7704	59	831.68	7,224.93	327.613	7.6872
5	66,748	917,216	2,756.584	12.7414	60	749.61	6,393.25	303.569	7.5288
6	62,039	850,468	2,704.100	12.7086	61	674.24	5,643.64	280.498	7.3704
7	57,667	788,429	2,660.098	12.6722	62	605.13	4,969.40	258.427	7.2121
8	53,607	730,762	2,623.653	12.6318	63	541.87	4,364.27	237.381	7.0542
9	49,836	677,155	2,592.879	12.5876	64	484.10	3,822.41	217.423	6.8959
10	46,335	627,319	2,568.134	12.5389	65	431.53	3,338.30	198.620	6.7361
11	43,081	580,984	2,546.921	12.4860	66	383.82	2,906.78	181.020	6.5733
12	40,055	537,904	2,527.188	12.4290	67	340.61	2,522.96	164.585	6.4073
13	37,239	497,848	2,505.317	12.3690	68	301.47	2,182.35	149.208	6.2392
14	34,613	460,609	2,477.342	12.3075	69	265.97	1,880.89	134.748	6.0717
15	32,161	425,996	2,440.503	12.2457	70	233.74	1,614.92	121.069	5.9091
16	29,872	393,835	2,394.917	12.1842	71	204.46	1,381.18	108.096	5.7553
17	27,734	363,963	2,341.691	12.1231	72	177.96	1,176.72	95.860	5.6124
18	25,740	336,229	2,281.840	12.0627	73	154.13	998.76	84.451	5.4799
19	23,878	310,489	2,216.042	12.0031	74	132.95	844.63	74.018	5.3532
20	22,141	286,611	2,145.182	11.9446	75	114.29	711.69	64.640	5.2269
21	20,520	264,470	2,068.317	11.8886	76	97.931	597.394	56.252	5.1002
22	19,006	243,950	1,985.814	11.8357	77	83.601	499.464	48.754	4.9744
23	17,594	224,945	1,900.540	11.7850	78	71.099	415.863	42.085	4.8491
24	16,284	207,350	1,817.514	11.7335	79	60.242	344.764	36.189	4.7230
25	15,070	191,066	1,740.115	11.6783	80	50.861	284.522	31.010	4.5941
26	13,948	175,996	1,669.490	11.6178	81	42.790	233.661	26.488	4.4670
27	12,910	162,048	1,604.643	11.5518	82	35.884	190.871	22.568	4.3191
28	11,950	149,138	1,544.585	11.4806	83	29.981	154.987	19.168	4.1695
29	11,059	137,188	1,487.611	11.4052	84	24.941	125.006	16.220	4.0120
30	10,232	126,129	1,432.671	11.3265	85	20.640	100.065	13.659	3.8480
31	9,465.4	115,896.7	1,379.545	11.2443	86	16.946	79.424	11.404	3.6870
32	8,754.0	106,431.4	1,328.544	11.1580	87	13.792	62.479	9.433	3.5301
33	8,094.1	97,677.4	1,279.354	11.0678	88	11.116	48.687	7.719	3.3799
34	7,481.5	89,583.3	1,231.458	10.9740	89	8.8683	37.5708	6.2471	3.2365
35	6,912.7	82,101.9	1,184.676	10.8769	90	6.9979	28.7025	4.9954	3.1016
36	6,384.6	75,189.2	1,138.863	10.7766	91	5.4589	21.7046	3.9446	2.9760
37	5,894.4	68,804.5	1,094.112	10.6728	92	4.2076	16.2457	3.0742	2.8610
38	5,439.3	62,910.1	1,050.178	10.5659	93	3.2028	12.0381	2.3629	2.7587
39	5,016.6	57,470.9	1,007.045	10.4560	94	2.4069	8.8353	1.7905	2.6709
40	4,624.2	52,454.2	964.650	10.3433	95	1.7864	6.4284	1.3379	2.5986
41	4,260.1	47,830.0	923.098	10.2275	96	1.3084	4.6420	.9845	2.5480
42	3,922.2	43,569.9	882.479	10.1084	97	.95120	3.33367	.71862	2.5047
43	3,608.8	39,647.7	842.731	9.9862	98	.68765	2.38247	.52143	2.4646
44	3,318.2	36,038.8	803.889	9.8609	99	.49433	1.69481	.37608	2.4285
45	3,048.7	32,720.6	765.865	9.7326	100	.35355	1.20048	.26980	2.3954
46	2,798.9	29,671.9	728.735	9.6014	101	.25154	.84692	.19245	2.3669
47	2,567.4	26,873.0	692.558	9.4669	102	.17831	.59538	.13677	2.3390
48	2,353.0	24,305.6	657.258	9.3296	103	.12571	.41707	.09661	2.3176
49	2,154.4	21,952.6	622.831	9.1896	104	.08824	.29135	.06792	2.3016
50	1,970.5	19,798.2	589.220	9.0474	105	.06194	.20310	.04777	2.2788
51	1,800.2	17,827.7	556.453	8.9029	106	.04310	.14116	.03325	2.2751
52	1,642.7	16,027.5	524.482	8.7569	107	.03007	.09806	.02322	2.2610
53	1,496.9	14,384.8	493.357	8.6094	108	.02108	.06799	.01633	2.253
54	1,362.3	12,887.8	463.155	8.4603	109	.01433	.04691	.01105	2.2735

TABLE 55. UNITED STATES NEGRO MALES: 1969-71--ACTUARIAL FUNCTIONS AT 8 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,267,157	6,136.490	11.6716	55	959.18	8,640.51	319.145	8.0082
1	89,254	1,167,157	2,797.601	12.0769	56	866.42	7,681.33	297.433	7.8656
2	82,457	1,077,904	2,612.416	12.0723	57	781.44	6,814.91	276.632	7.7210
3	76,228	995,447	2,490.959	12.0588	58	703.65	6,033.47	256.726	7.5745
4	70,503	919,219	2,412.311	12.0381	59	632.49	5,329.82	237.688	7.4267
5	65,218	848,716	2,349.697	12.0136	60	567.44	4,697.33	219.487	7.2782
6	60,336	783,499	2,298.654	11.9857	61	508.02	4,129.89	202.103	7.1294
7	55,824	723,163	2,256.059	11.9544	62	453.84	3,621.87	185.550	6.9806
8	51,653	667,339	2,220.941	11.9195	63	404.51	3,168.03	169.839	6.8318
9	47,798	615,686	2,191.427	11.8811	64	359.71	2,763.53	155.009	6.6825
10	44,234	567,888	2,167.804	11.8384	65	319.16	2,403.81	141.103	6.5316
11	40,937	523,655	2,147.646	11.7918	66	282.56	2,084.65	128.146	6.3776
12	37,886	482,718	2,128.982	11.7414	67	249.59	1,802.08	116.102	6.2202
13	35,059	444,832	2,108.391	11.6881	68	219.89	1,552.49	104.887	6.0604
14	32,436	409,773	2,082.175	11.6334	69	193.10	1,332.61	94.388	5.9011
15	29,999	377,337	2,047.814	11.5784	70	168.91	1,139.51	84.503	5.7462
16	27,734	347,338	2,005.490	11.5238	71	147.07	970.60	75.172	5.5997
17	25,631	319,604	1,956.301	11.4696	72	127.41	823.53	66.410	5.4635
18	23,677	293,974	1,901.246	11.4160	73	109.84	696.12	58.280	5.3373
19	21,863	270,296	1,841.001	11.3632	74	94.307	586.273	50.879	5.2166
20	20,179	248,433	1,776.422	11.3115	75	80.699	491.966	44.257	5.0963
21	18,614	228,255	1,706.694	11.2622	76	68.827	411.266	38.362	4.9754
22	17,161	209,640	1,632.198	11.2160	77	58.483	342.440	33.118	4.8553
23	15,813	192,479	1,555.556	11.1720	78	49.508	283.956	28.474	4.7356
24	14,568	176,666	1,481.280	11.1273	79	41.753	234.449	24.387	4.6151
25	13,420	162,098	1,412.359	11.0792	80	35.088	192.695	20.814	4.4918
26	12,363	148,679	1,349.761	11.0261	81	29.383	157.607	17.709	4.3638
27	11,390	136,316	1,292.550	10.9680	82	24.527	128.224	15.029	4.2278
28	10,494	124,926	1,239.810	10.9050	83	20.398	103.697	12.716	4.0837
29	9,666.5	114,432.0	1,190.010	10.8381	84	16.890	83.299	10.720	3.9318
30	8,902.6	104,765.5	1,142.209	10.7679	85	13.913	66.409	8.994	3.7732
31	8,197.2	95,862.9	1,096.201	10.6947	86	11.370	52.496	7.481	3.6173
32	7,546.0	87,665.8	1,052.238	10.6175	87	9.2106	41.1264	6.1642	3.4651
33	6,944.8	80,119.8	1,010.032	10.5366	88	7.3893	31.9158	5.0252	3.3192
34	6,389.5	73,174.9	969.127	10.4524	89	5.8679	24.5264	4.0511	3.1798
35	5,876.4	66,785.4	929.358	10.3650	90	4.6088	18.6585	3.2267	3.0484
36	5,402.4	60,909.0	890.593	10.2745	91	3.5786	14.0497	2.5379	2.9260
37	4,964.5	55,506.6	852.903	10.1807	92	2.7456	10.4711	1.9699	2.8138
38	4,559.9	50,542.1	816.071	10.0840	93	2.0802	7.7256	1.5079	2.7139
39	4,186.2	45,982.2	780.078	9.9843	94	1.5560	5.6454	1.1378	2.6281
40	3,840.9	41,796.0	744.865	9.8819	95	1.1495	4.0893	.8466	2.5574
41	3,522.0	37,955.2	710.512	9.7766	96	.83802	2.93980	.62026	2.5080
42	3,227.7	34,433.2	677.086	9.6680	97	.60644	2.10177	.45075	2.4657
43	2,956.0	31,205.5	644.528	9.5565	98	.43638	1.49533	.32562	2.4266
44	2,705.4	28,249.4	612.859	9.4418	99	.31225	1.05894	.23381	2.3913
45	2,474.2	25,544.0	582.001	9.3244	100	.22229	.74669	.16698	2.3590
46	2,260.9	23,069.9	552.008	9.2039	101	.15742	.52439	.11857	2.3311
47	2,064.3	20,809.0	522.920	9.0803	102	.11107	.36697	.08389	2.3038
48	1,883.2	18,744.7	494.669	8.9538	103	.07794	.25589	.05899	2.2829
49	1,716.2	16,861.5	467.243	8.8247	104	.05446	.17794	.04128	2.2672
50	1,562.5	15,145.2	440.592	8.6932	105	.03805	.12348	.02890	2.2449
51	1,420.9	13,582.8	414.730	8.5595	106	.02635	.08543	.02002	2.2415
52	1,290.5	12,161.9	389.614	8.4242	107	.01830	.05907	.01392	2.2277
53	1,170.6	10,871.4	365.275	8.2873	108	.01277	.04077	.00975	2.1925
54	1,060.3	9,700.9	341.768	8.1487	109	.00864	.02800	.00656	2.2403

TABLE 56. UNITED STATES NEGRO FEMALES: 1969-71--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	2,849,730	16,998.157	27.4973	55	15,579	242,783	8,508.088	14.5835
1	94,249	2,749,730	14,159.322	28.1753	56	14,905	227,203	8,287.824	14.2430
2	91,324	2,655,481	13,980.229	28.0775	57	14,247	212,298	8,063.959	13.9008
3	88,545	2,564,157	13,860.345	27.9590	58	13,604	198,051	7,835.991	13.5578
4	85,886	2,475,613	13,781.270	27.8242	59	12,976	184,446	7,603.298	13.2149
5	83,326	2,389,726	13,722.613	27.6791	60	12,360	171,471	7,365.672	12.8731
6	80,848	2,306,400	13,671.526	27.5275	61	11,758	159,111	7,123.596	12.5323
7	78,452	2,225,552	13,630.058	27.3683	62	11,169	147,353	6,876.892	12.1933
8	76,132	2,147,100	13,595.324	27.2023	63	10,592	136,184	6,625.413	11.8573
9	73,886	2,070,967	13,566.201	27.0294	64	10,027	125,592	6,369.345	11.5249
10	71,708	1,997,082	13,540.157	26.8504	65	9,475.3	115,564.8	6,109.315	11.1965
11	69,595	1,925,374	13,516.317	26.6653	66	8,937.5	106,089.5	5,847.477	10.8702
12	67,546	1,855,779	13,493.873	26.4744	67	8,414.8	97,152.0	5,585.123	10.5454
13	65,554	1,788,233	13,469.359	26.2789	68	7,907.1	88,737.3	5,322.505	10.2225
14	63,616	1,722,679	13,440.931	26.0793	69	7,412.8	80,830.2	5,058.560	9.9041
15	61,729	1,659,063	13,406.912	25.8765	70	6,930.3	73,417.3	4,791.946	9.5937
16	59,891	1,597,334	13,366.406	25.6708	71	6,457.6	66,487.0	4,521.081	9.2959
17	58,099	1,537,444	13,319.215	25.4624	72	5,995.0	60,029.4	4,246.558	9.0133
18	56,354	1,479,344	13,266.350	25.2509	73	5,545.4	54,034.4	3,971.593	8.7440
19	54,655	1,422,990	13,208.751	25.0358	74	5,114.2	48,489.0	3,701.944	8.4812
20	53,003	1,368,335	13,148.400	24.8163	75	4,705.7	43,374.8	3,442.327	8.2176
21	51,395	1,315,332	13,084.432	24.5926	76	4,320.5	38,669.1	3,194.186	7.9502
22	49,830	1,263,937	13,016.586	24.3648	77	3,956.8	34,348.6	2,956.353	7.6809
23	48,308	1,214,107	12,945.649	24.1326	78	3,613.6	30,351.8	2,728.438	7.4103
24	46,828	1,165,799	12,872.351	23.8955	79	3,289.8	26,778.2	2,509.872	7.1397
25	45,389	1,118,971	12,797.844	23.6528	80	2,984.3	23,488.4	2,300.209	6.8706
26	43,992	1,073,582	12,722.262	23.4042	81	2,697.3	20,504.0	2,100.120	6.6016
27	42,632	1,029,591	12,644.379	23.1504	82	2,428.9	17,806.7	1,910.288	6.3311
28	41,311	986,958	12,564.831	22.8908	83	2,178.9	15,377.8	1,730.973	6.0577
29	40,025	945,647	12,482.084	22.6263	84	1,946.6	13,158.9	1,562.141	5.7806
30	38,774	905,622	12,396.390	22.3566	85	1,731.4	11,252.3	1,403.658	5.4990
31	37,555	866,848	12,307.197	22.0820	86	1,529.9	9,520.9	1,252.546	5.2234
32	36,369	829,293	12,214.769	21.8022	87	1,341.6	7,991.1	1,108.891	4.9562
33	35,213	792,924	12,117.873	21.5181	88	1,166.3	6,649.5	972.611	4.7014
34	34,084	757,711	12,015.015	21.2305	89	1,003.6	5,483.2	843.901	4.4635
35	32,982	723,627	11,905.556	20.9400	90	853.82	4,479.56	723.346	4.2465
36	31,905	690,645	11,789.281	20.6468	91	717.00	3,625.74	611.393	4.0568
37	30,853	658,740	11,666.677	20.3507	92	593.82	2,908.75	509.095	3.8984
38	29,826	627,886	11,537.562	20.0520	93	485.46	2,314.93	418.032	3.7686
39	28,821	598,061	11,402.104	19.7506	94	392.60	1,829.47	339.313	3.6599
40	27,841	569,240	11,260.781	19.4464	95	314.69	1,436.87	272.840	3.5660
41	26,883	541,399	11,113.753	19.1393	96	249.83	1,122.18	217.147	3.4918
42	25,948	514,516	10,961.760	18.8290	97	197.18	872.35	171.774	3.4241
43	25,035	488,569	10,804.656	18.5156	98	154.73	675.17	135.065	3.3635
44	24,143	463,534	10,641.778	18.1997	99	120.75	520.44	105.588	3.3102
45	23,271	439,391	10,473.066	17.8816	100	93.815	399.691	82.174	3.2604
46	22,418	416,120	10,298.485	17.5615	101	72.543	305.876	63.634	3.2165
47	21,585	393,702	10,118.271	17.2393	102	55.863	233.333	49.067	3.1769
48	20,771	372,116	9,932.658	16.9152	103	42.856	177.470	37.687	3.1411
49	19,976	351,345	9,742.348	16.5886	104	32.731	134.614	28.810	3.1127
50	19,199	331,370	9,547.773	16.2595	105	24.955	101.883	21.988	3.0826
51	18,441	312,170	9,348.677	15.9280	106	18.956	76.928	16.715	3.0582
52	17,700	293,729	9,145.060	15.5946	107	14.385	57.972	12.696	3.0301
53	16,977	276,029	8,936.936	15.2594	108	10.885	43.587	9.615	3.0044
54	16,270	259,052	8,724.335	14.9225	109	8.2150	32.7022	7.2625	2.9808

TABLE 57. UNITED STATES NEGRO FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 3.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	2,556,276	13,555.869	24.5628	55	11,937	176,505	5,967.795	13.7869
1	93,793	2,456,276	10,730.748	25.1882	56	11,365	164,569	5,799.849	13.4803
2	90,444	2,362,483	10,553.381	25.1209	57	10,811	153,204	5,629.983	13.1714
3	87,267	2,272,039	10,435.226	25.0354	58	10,273	142,393	5,457.838	12.8608
4	84,239	2,184,772	10,357.668	24.9354	59	9,750.8	132,120.0	5,282.976	12.5497
5	81,333	2,100,533	10,300.414	24.8264	60	9,243.4	122,369.2	5,105.267	12.2386
6	78,533	2,019,200	10,250.790	24.7115	61	8,750.6	113,125.8	4,925.107	11.9278
7	75,837	1,940,667	10,210.705	24.5899	62	8,272.0	104,375.2	4,742.388	11.6179
8	73,239	1,864,830	10,177.291	24.4622	63	7,806.9	96,103.2	4,557.033	11.3100
9	70,735	1,791,591	10,149.409	24.3283	64	7,355.1	88,296.3	4,369.207	11.0048
10	68,318	1,720,856	10,124.597	24.1890	65	6,916.5	80,941.3	4,179.397	10.7026
11	65,985	1,652,538	10,101.993	24.0442	66	6,492.4	74,024.7	3,989.189	10.4017
12	63,732	1,586,553	10,080.816	23.8940	67	6,083.2	67,532.3	3,799.528	10.1014
13	61,554	1,522,821	10,057.798	23.7395	68	5,688.6	61,449.0	3,610.593	9.8022
14	59,446	1,461,267	10,031.233	23.5814	69	5,307.2	55,760.5	3,421.621	9.5065
15	57,404	1,401,821	9,999.598	23.4202	70	4,937.8	50,453.2	3,231.660	9.2177
16	55,425	1,344,417	9,962.112	23.2563	71	4,578.8	45,515.4	3,039.603	8.9405
17	53,508	1,288,991	9,918.650	23.0898	72	4,230.2	40,936.6	2,845.892	8.6772
18	51,650	1,235,483	9,870.198	22.9204	73	3,894.1	36,706.4	2,652.807	8.4262
19	49,851	1,183,834	9,817.662	22.7476	74	3,574.0	32,812.3	2,464.369	8.1809
20	48,110	1,133,983	9,762.882	22.5706	75	3,272.6	29,238.4	2,283.819	7.9344
21	46,425	1,085,873	9,705.099	22.3896	76	2,990.2	25,965.8	2,112.083	7.6838
22	44,795	1,039,447	9,644.110	22.2048	77	2,725.2	22,975.7	1,948.276	7.4307
23	43,216	994,653	9,580.650	22.0157	78	2,476.9	20,250.4	1,792.059	7.1759
24	41,690	951,437	9,515.394	21.8219	79	2,244.0	17,773.6	1,642.973	6.9204
25	40,214	909,747	9,449.383	21.6228	80	2,025.8	15,529.6	1,500.651	6.6659
26	38,787	869,533	9,382.743	21.4180	81	1,822.1	13,503.8	1,365.485	6.4110
27	37,407	830,746	9,314.406	21.2081	82	1,632.9	11,681.6	1,237.866	6.1539
28	36,073	793,339	9,244.944	20.9927	83	1,457.7	10,048.7	1,117.900	5.8935
29	34,781	757,266	9,173.039	20.7724	84	1,296.0	8,591.0	1,005.494	5.6288
30	33,531	722,485	9,098.933	20.5469	85	1,147.2	7,295.0	900.487	5.3591
31	32,320	688,954	9,022.169	20.3166	86	1,008.7	6,147.8	800.848	5.0945
32	31,148	656,634	8,943.013	20.0811	87	880.37	5,139.08	706.583	4.8374
33	30,012	625,486	8,860.428	19.8411	88	761.60	4,258.71	617.590	4.5918
34	28,910	595,474	8,773.184	19.5975	89	652.21	3,497.11	533.946	4.3620
35	27,840	566,564	8,680.791	19.3507	90	552.18	2,844.90	455.980	4.1521
36	26,801	538,724	8,583.118	19.1010	91	461.46	2,292.72	383.928	3.9684
37	25,792	511,923	8,480.626	18.8481	92	380.33	1,831.26	318.407	3.8149
38	24,812	486,131	8,373.213	18.5922	93	309.43	1,450.92	260.363	3.6890
39	23,861	461,319	8,261.067	18.3334	94	249.03	1,141.50	210.431	3.5837
40	22,938	437,457	8,144.631	18.0714	95	198.65	892.46	168.470	3.4927
41	22,042	414,519	8,024.079	17.8062	96	156.94	693.21	133.483	3.4207
42	21,172	392,478	7,900.060	17.5374	97	123.27	536.87	105.117	3.3551
43	20,329	371,306	7,772.488	17.2651	98	96.265	413.596	82.279	3.2964
44	19,510	350,977	7,640.867	16.9899	99	74.760	317.331	64.029	3.2447
45	18,714	331,467	7,505.191	16.7120	100	57.804	242.572	49.601	3.1964
46	17,942	312,753	7,365.472	16.4317	101	44.481	184.767	38.233	3.1538
47	17,191	294,811	7,221.943	16.1488	102	34.089	140.286	29.345	3.1153
48	16,463	277,620	7,074.827	15.8633	103	26.025	106.197	22.434	3.0806
49	15,756	261,157	6,924.718	15.5750	104	19.780	80.173	17.069	3.0531
50	15,071	245,401	6,771.985	15.2835	105	15.009	60.392	12.966	3.0239
51	14,405	230,330	6,616.460	14.9892	106	11.345	45.384	9.810	3.0003
52	13,760	215,925	6,458.170	14.6922	107	8.5676	34.0384	7.4166	2.9729
53	13,134	202,165	6,297.159	14.3929	108	6.4519	25.4708	5.5906	2.9478
54	12,526	189,031	6,133.478	14.0913	109	4.8458	19.0188	4.2026	2.9248

TABLE 58. UNITED STATES NEGRO FEMALES: 1969-71--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	2,312,495	11,057.890	22.1249	55	9,157.3	128,756.7	4,205.075	13.0606
1	93,342	2,212,495	8,246.351	22.7030	56	8,676.8	119,599.5	4,076.853	12.7838
2	89,577	2,119,153	8,070.686	22.6574	57	8,214.0	110,922.6	3,947.788	12.5040
3	86,015	2,029,576	7,954.227	22.5956	58	7,768.0	102,708.6	3,817.622	12.2221
4	82,631	1,943,561	7,878.150	22.5211	59	7,337.6	94,940.6	3,686.035	11.9389
5	79,397	1,860,931	7,822.258	22.4384	60	6,922.3	87,603.0	3,552.951	11.6552
6	76,295	1,781,534	7,774.049	22.3507	61	6,521.8	80,680.7	3,418.678	11.3710
7	73,321	1,705,240	7,735.293	22.2570	62	6,135.4	74,159.0	3,283.154	11.0870
8	70,469	1,631,918	7,703.143	22.1579	63	5,762.6	68,023.5	3,146.335	10.8063
9	67,732	1,561,449	7,676.445	22.0533	64	5,403.0	62,260.9	3,008.358	10.5234
10	65,103	1,493,717	7,652.800	21.9437	65	5,056.4	56,857.9	2,869.595	10.2447
11	62,578	1,428,613	7,631.264	21.8293	66	4,723.6	51,801.5	2,731.210	9.9666
12	60,151	1,366,035	7,611.377	21.7100	67	4,404.6	47,077.9	2,593.885	9.6884
13	57,816	1,305,884	7,589.756	21.5869	68	4,099.0	42,673.3	2,457.744	9.4106
14	55,568	1,248,068	7,564.925	21.4604	69	3,805.9	38,574.3	2,322.231	9.1355
15	53,401	1,192,500	7,535.496	21.3311	70	3,523.9	34,768.4	2,186.664	8.8664
16	51,312	1,139,100	7,500.792	21.1993	71	3,252.0	31,244.5	2,050.259	8.6079
17	49,299	1,087,787	7,460.748	21.0652	72	2,990.0	27,992.6	1,913.342	8.3621
18	47,358	1,038,489	7,416.322	20.9284	73	2,739.2	25,002.6	1,777.523	8.1278
19	45,489	991,130	7,368.383	20.7885	74	2,501.9	22,263.4	1,645.610	7.8986
20	43,689	945,642	7,318.637	20.6446	75	2,279.9	19,761.5	1,519.826	7.6678
21	41,957	901,952	7,266.416	20.4971	76	2,073.1	17,481.6	1,400.759	7.4325
22	40,288	859,995	7,211.561	20.3460	77	1,880.4	15,408.5	1,287.734	7.1944
23	38,682	819,707	7,154.760	20.1909	78	1,700.8	13,528.1	1,180.465	6.9541
24	37,136	781,025	7,096.632	20.0314	79	1,533.5	11,827.4	1,078.585	6.7127
25	35,649	743,889	7,038.113	19.8669	80	1,377.7	10,293.9	981.794	6.4717
26	34,219	708,240	6,979.321	19.6971	81	1,233.2	8,916.2	890.312	6.2299
27	32,843	674,020	6,919.322	19.5224	82	1,099.9	7,682.9	804.353	5.9854
28	31,519	641,177	6,858.629	19.3424	83	977.13	6,583.07	723.938	5.7371
29	30,244	609,658	6,796.102	19.1577	84	864.56	5,605.94	648.952	5.4841
30	29,017	579,413	6,731.972	18.9680	85	761.60	4,741.37	579.239	5.2255
31	27,835	550,396	6,665.861	18.7736	86	666.48	3,979.77	513.408	4.9714
32	26,697	522,561	6,598.017	18.5741	87	578.86	3,313.30	451.427	4.7238
33	25,599	495,865	6,527.575	18.3703	88	498.36	2,734.44	393.193	4.4868
34	24,541	470,266	6,453.517	18.1627	89	424.73	2,236.07	338.723	4.2647
35	23,519	445,725	6,375.465	17.9519	90	357.86	1,811.35	288.194	4.0616
36	22,532	422,206	6,293.348	17.7380	91	297.63	1,453.48	241.723	3.8836
37	21,580	399,674	6,207.596	17.5209	92	244.12	1,155.86	199.667	3.7347
38	20,660	378,094	6,118.157	17.3006	93	197.66	911.74	162.590	3.6127
39	19,773	357,434	6,025.227	17.0772	94	158.31	714.08	130.848	3.5106
40	18,916	337,661	5,929.206	16.8504	95	125.68	555.77	104.301	3.4222
41	18,090	318,745	5,830.269	16.6203	96	98.814	430.089	82.272	3.3525
42	17,293	300,656	5,728.974	16.3863	97	77.241	331.275	64.499	3.2889
43	16,524	283,363	5,625.280	16.1487	98	60.028	254.035	50.258	3.2319
44	15,782	266,839	5,518.808	15.9080	99	46.394	194.006	38.932	3.1817
45	15,066	251,057	5,409.584	15.6642	100	35.699	147.612	30.022	3.1349
46	14,374	235,992	5,297.646	15.4177	101	27.339	111.913	23.035	3.0935
47	13,707	221,617	5,183.208	15.1682	102	20.851	84.574	17.598	3.0561
48	13,063	207,910	5,066.475	14.9159	103	15.842	63.723	13.391	3.0224
49	12,442	194,847	4,947.938	14.6604	104	11.983	47.881	10.141	2.9957
50	11,843	182,405	4,827.910	14.4013	105	9.0484	35.8979	7.6678	2.9673
51	11,266	170,562	4,706.275	14.1391	106	6.8070	26.8495	5.7743	2.9444
52	10,710	159,295	4,583.074	13.8738	107	5.1158	20.0425	4.3449	2.9178
53	10,173	148,586	4,458.356	13.6056	108	3.8339	14.9267	3.2598	2.8933
54	9,655.7	138,412.5	4,332.180	13.3347	109	2.8657	11.0927	2.4390	2.8709

TABLE 59. UNITED STATES NEGRO FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 4.5 PERCENT INTEREST

x	D _x	N _x	M _x	a _x	x	D _x	N _x	M _x	a _x
0	100,000	2,107,953	9,226.908	20.0795	55	7,034.0	94,232.6	2,976.148	12.3967
1	92,896	2,007,953	6,428.821	20.6151	56	6,633.1	87,198.6	2,878.127	12.1460
2	88,721	1,915,057	6,254.833	20.5851	57	6,249.3	80,565.5	2,779.935	11.8920
3	84,786	1,826,336	6,140.038	20.5405	58	5,881.6	74,316.2	2,681.377	11.6354
4	81,060	1,741,550	6,065.406	20.4846	59	5,529.2	68,434.6	2,582.222	11.3770
5	77,515	1,660,489	6,010.839	20.4215	60	5,191.3	62,905.5	2,482.417	11.1176
6	74,130	1,582,974	5,963.998	20.3539	61	4,867.5	57,716.2	2,382.203	10.8570
7	70,901	1,508,844	5,926.521	20.2811	62	4,557.2	52,846.7	2,281.539	10.5962
8	67,817	1,437,943	5,895.581	20.2034	63	4,259.9	48,289.5	2,180.400	10.3360
9	64,871	1,370,127	5,870.011	20.1209	64	3,974.9	44,029.6	2,078.893	10.0769
10	62,055	1,305,256	5,847.473	20.0340	65	3,702.1	40,054.7	1,977.295	9.8193
11	59,362	1,243,201	5,827.139	19.9427	66	3,441.9	36,352.6	1,876.460	9.5618
12	56,787	1,183,839	5,808.269	19.8470	67	3,194.1	32,910.7	1,776.875	9.3036
13	54,321	1,127,052	5,787.956	19.7479	68	2,958.3	29,716.6	1,678.622	9.0452
14	51,959	1,072,731	5,764.737	19.6458	69	2,733.6	26,758.3	1,581.289	8.7888
15	49,694	1,020,772	5,737.351	19.5411	70	2,518.9	24,024.8	1,484.384	8.5376
16	47,522	971,078	5,705.210	19.4343	71	2,313.4	21,505.8	1,387.347	8.2961
17	45,439	923,556	5,668.302	19.3253	72	2,116.9	19,192.4	1,290.410	8.0664
18	43,441	878,117	5,627.550	19.2139	73	1,930.8	17,075.5	1,194.712	7.8473
19	41,527	834,676	5,583.787	19.0997	74	1,754.4	15,145.5	1,102.210	7.6328
20	39,693	793,149	5,538.591	18.9819	75	1,591.1	13,351.1	1,014.429	7.4164
21	37,937	753,456	5,491.373	18.8608	76	1,439.9	11,800.0	931.732	7.1952
22	36,254	715,519	5,442.012	18.7364	77	1,299.7	10,360.1	853.608	6.9709
23	34,642	679,265	5,391.143	18.6083	78	1,170.0	9,040.4	779.817	6.7441
24	33,098	644,623	5,339.335	18.4761	79	1,049.8	7,890.4	710.068	6.5158
25	31,621	611,525	5,287.429	18.3392	80	938.69	6,840.57	644.121	6.2874
26	30,207	579,904	5,235.529	18.1974	81	836.24	5,901.88	582.088	6.0577
27	28,854	549,697	5,182.818	18.0510	82	742.22	5,065.65	524.080	5.8250
28	27,558	520,843	5,129.752	17.8996	83	656.25	4,323.43	470.073	5.5881
29	26,317	493,284	5,075.344	17.7438	84	577.87	3,667.18	419.953	5.3460
30	25,128	466,967	5,019.808	17.5832	85	506.61	3,089.31	373.580	5.0980
31	23,989	441,839	4,962.831	17.4181	86	441.22	2,582.70	329.999	4.8536
32	22,898	417,849	4,904.640	17.2482	87	381.38	2,141.48	289.163	4.6151
33	21,852	394,951	4,844.509	17.0739	88	326.77	1,760.10	250.979	4.3863
34	20,848	373,099	4,781.595	16.8961	89	277.16	1,433.33	215.435	4.1715
35	19,884	352,251	4,715.604	16.7150	90	232.41	1,156.17	182.620	3.9748
36	18,959	332,367	4,646.510	16.5309	91	192.36	923.77	152.584	3.8022
37	18,071	313,408	4,574.701	16.3434	92	157.03	731.40	125.532	3.6578
38	17,218	295,337	4,500.164	16.1528	93	126.53	574.37	101.797	3.5394
39	16,400	278,119	4,423.087	15.9590	94	100.86	447.84	81.574	3.4403
40	15,614	261,720	4,343.828	15.7618	95	79.684	346.983	64.743	3.3545
41	14,860	246,106	4,262.553	15.5612	96	62.353	267.298	50.842	3.2869
42	14,138	231,245	4,179.739	15.3567	97	48.506	204.945	39.681	3.2251
43	13,444	217,107	4,095.369	15.1484	98	37.517	156.439	30.780	3.1698
44	12,779	203,663	4,009.154	14.9369	99	28.857	118.922	23.736	3.1211
45	12,141	190,884	3,921.133	14.7222	100	22.099	90.065	18.220	3.0756
46	11,528	178,743	3,831.357	14.5045	101	16.843	67.967	13.916	3.0354
47	10,941	167,214	3,740.015	14.2838	102	12.784	51.124	10.582	2.9991
48	10,377	156,274	3,647.286	14.0599	103	9.6664	38.3401	8.0154	2.9663
49	9,836.2	145,896.8	3,553.576	13.8326	104	7.2768	28.6737	6.0420	2.9404
50	9,318.2	136,060.6	3,459.140	13.6016	105	5.4684	21.3970	4.5470	2.9128
51	8,821.7	126,742.4	3,363.898	13.3671	106	4.0941	15.9285	3.4082	2.8906
52	8,345.8	117,920.7	3,267.891	13.1293	107	3.0622	11.8344	2.5526	2.8646
53	7,889.7	109,574.9	3,171.168	12.8883	108	2.2839	8.7722	1.9062	2.8408
54	7,452.6	101,685.2	3,073.782	12.6443	109	1.6989	6.4882	1.4195	2.8189

TABLE 6C. UNITED STATES NEGRO FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 5 PERCENT INTEREST

x	D _x	N _x	M _x	a _x	x	D _x	N _x	M _x	a _x
0	100,000	1,934,712	7,870.875	18.3471	55	5,409.9	69,183.4	2,115.434	11.7883
1	92,453	1,834,712	5,086.113	18.8447	56	5,077.2	63,773.5	2,040.405	11.5607
2	87,878	1,742,258	4,913.777	18.8258	57	4,760.7	58,656.2	1,965.602	11.3294
3	83,581	1,654,380	4,800.615	18.7938	58	4,459.2	53,935.6	1,890.879	11.0952
4	79,527	1,570,799	4,727.394	18.7517	59	4,172.1	49,476.3	1,816.060	10.8589
5	75,687	1,491,272	4,674.114	18.7031	60	3,898.5	45,304.3	1,741.111	10.6211
6	72,037	1,415,585	4,628.595	18.6507	61	3,637.9	41,405.8	1,666.212	10.3817
7	68,571	1,343,547	4,592.350	18.5936	62	3,389.8	37,767.9	1,591.335	10.1416
8	65,276	1,274,977	4,562.569	18.5322	63	3,153.5	34,378.1	1,516.463	9.9015
9	62,143	1,209,701	4,538.074	18.4664	64	2,928.6	31,224.6	1,441.676	9.6621
10	59,162	1,147,558	4,516.587	18.3968	65	2,714.6	28,296.0	1,367.179	9.4236
11	56,326	1,088,396	4,497.293	18.3233	66	2,511.8	25,581.4	1,293.593	9.1847
12	53,626	1,032,070	4,479.474	18.2458	67	2,319.8	23,069.6	1,221.267	8.9446
13	51,053	978,444	4,460.382	18.1653	68	2,138.3	20,749.8	1,150.246	8.7037
14	48,600	927,391	4,438.665	18.0821	69	1,966.5	18,611.5	1,080.226	8.4643
15	46,260	878,791	4,413.171	17.9966	70	1,803.5	16,645.0	1,010.846	8.2295
16	44,028	832,531	4,383.393	17.9092	71	1,648.4	14,841.5	941.702	8.0034
17	41,897	788,503	4,349.362	17.8200	72	1,501.2	13,153.1	872.958	7.7884
18	39,865	746,606	4,311.965	17.7285	73	1,362.2	11,691.9	805.416	7.5833
19	37,926	706,741	4,271.996	17.6346	74	1,232.3	10,329.7	740.441	7.3823
20	36,079	668,815	4,230.915	17.5374	75	1,112.3	9,097.4	679.075	7.1790
21	34,318	632,736	4,188.201	17.4372	76	1,001.8	7,985.1	621.539	6.9709
22	32,640	598,417	4,143.761	17.3340	77	899.98	6,983.33	567.444	6.7594
23	31,040	565,778	4,098.181	17.2274	78	806.27	6,083.34	516.591	6.5450
24	29,516	534,738	4,051.981	17.1171	79	720.04	5,277.07	468.754	6.3288
25	28,064	505,222	4,005.913	17.0024	80	640.74	4,557.03	423.739	6.1121
26	26,682	477,158	3,960.071	16.8832	81	568.09	3,916.29	381.598	5.8938
27	25,365	450,476	3,913.733	16.7598	82	501.82	3,348.20	342.378	5.6722
28	24,111	425,111	3,867.306	16.6316	83	441.58	2,846.38	306.038	5.4459
29	22,915	401,000	3,819.932	16.4993	84	386.99	2,404.80	272.473	5.2142
30	21,776	378,085	3,771.805	16.3626	85	337.65	2,017.81	241.566	4.9760
31	20,690	356,309	3,722.665	16.2215	86	292.67	1,680.16	212.658	4.7409
32	19,655	335,619	3,672.717	16.0759	87	251.77	1,387.50	185.700	4.5109
33	18,667	315,965	3,621.350	15.9261	88	214.69	1,135.72	160.613	4.2899
34	17,725	297,298	3,567.860	15.7729	89	181.23	921.03	137.371	4.0821
35	16,825	279,573	3,512.022	15.6165	90	151.24	739.80	116.016	3.8914
36	15,966	262,748	3,453.837	15.4571	91	124.59	588.56	96.562	3.7240
37	15,145	246,782	3,393.653	15.2944	92	101.22	463.97	79.125	3.5838
38	14,362	231,637	3,331.481	15.1287	93	81.172	362.749	63.899	3.4689
39	13,614	217,275	3,267.497	14.9598	94	64.395	281.577	50.987	3.3726
40	12,900	203,661	3,202.014	14.7875	95	50.633	217.182	40.291	3.2893
41	12,219	190,761	3,135.184	14.6118	96	39.432	166.548	31.501	3.2237
42	11,569	178,542	3,067.415	14.4322	97	30.529	127.116	24.476	3.1637
43	10,950	166,973	2,998.700	14.2489	98	23.500	96.587	18.901	3.1100
44	10,358	156,023	2,928.817	14.0623	99	17.990	73.087	14.509	3.0627
45	9,794.2	145,664.3	2,857.810	13.8725	100	13.711	55.097	11.087	3.0185
46	9,255.7	135,870.1	2,785.732	13.6796	101	10.400	41.386	8.429	2.9794
47	8,742.0	126,614.3	2,712.746	13.4835	102	7.8562	30.9861	6.3807	2.9441
48	8,252.0	117,872.3	2,639.005	13.2841	103	5.9121	23.1299	4.8107	2.9123
49	7,784.9	109,620.4	2,564.838	13.0812	104	4.4294	17.2177	3.6095	2.8871
50	7,339.8	101,835.5	2,490.454	12.8745	105	3.3128	12.7883	2.7039	2.8603
51	6,915.6	94,495.7	2,415.791	12.6642	106	2.4684	9.4755	2.0172	2.8387
52	6,511.4	87,580.2	2,340.886	12.4503	107	1.8375	7.0071	1.5038	2.8134
53	6,126.2	81,068.8	2,265.782	12.2331	108	1.3640	5.1696	1.1178	2.7901
54	5,759.2	74,942.6	2,190.524	12.0126	109	1.0097	3.8056	.8285	2.7687

TABLE 61. UNITED STATES NEGRO FEMALES: 1969-71---ACTUARIAL FUNCTIONS AT 5.5 PERCENT INTEREST

x	D _x	N _x	M _x	a _x	x	D _x	N _x	M _x	a _x
0	100,000	1,786,675	6,855.830	16.8667	55	4,165.9	50,947.6	1,509.913	11.2295
1	92,015	1,686,675	4,084.266	17.3304	56	3,891.3	46,781.6	1,452.410	11.0222
2	87,047	1,594,659	3,913.561	17.3194	57	3,631.3	42,890.4	1,395.352	10.8112
3	82,398	1,507,612	3,801.999	17.2967	58	3,385.3	39,259.0	1,338.624	10.5969
4	78,030	1,425,214	3,730.157	17.2649	59	3,152.3	35,873.7	1,282.094	10.3802
5	73,910	1,347,184	3,678.128	17.2272	60	2,931.6	32,721.4	1,225.733	10.1617
6	70,013	1,273,273	3,633.888	17.1862	61	2,722.7	29,789.8	1,169.677	9.9413
7	66,328	1,203,260	3,598.828	17.1411	62	2,525.0	27,067.1	1,113.903	9.7197
8	62,841	1,136,932	3,570.158	17.0921	63	2,337.8	24,542.1	1,058.396	9.4978
9	59,542	1,074,091	3,546.688	17.0392	64	2,160.8	22,204.3	1,003.217	9.2760
10	56,417	1,014,549	3,526.198	16.9829	65	1,993.4	20,043.5	948.511	9.0548
11	53,458	958,131	3,507.886	16.9231	66	1,835.7	18,050.1	894.730	8.8326
12	50,654	904,673	3,491.055	16.8598	67	1,687.4	16,214.4	842.120	8.6090
13	47,995	854,019	3,473.106	16.7938	68	1,548.0	14,526.9	790.705	8.3841
14	45,473	806,024	3,452.786	16.7253	69	1,416.9	12,978.9	740.255	8.1602
15	43,079	760,551	3,429.045	16.6550	70	1,293.3	11,562.0	690.503	7.9402
16	40,805	717,472	3,401.448	16.5829	71	1,176.5	10,268.8	641.154	7.7283
17	38,647	676,667	3,370.057	16.5091	72	1,066.3	9,092.3	592.325	7.5267
18	36,597	638,021	3,335.725	16.4335	73	962.99	8,025.94	544.576	7.3344
19	34,653	601,423	3,299.205	16.3556	74	867.07	7,062.95	498.859	7.1458
20	32,809	566,770	3,261.848	16.2748	75	778.89	6,195.88	455.887	6.9547
21	31,060	533,961	3,223.189	16.1913	76	698.19	5,416.98	415.787	6.7586
22	29,401	502,901	3,183.159	16.1050	77	624.27	4,718.79	378.264	6.5589
23	27,827	473,500	3,142.297	16.0158	78	556.62	4,094.53	343.158	6.3561
24	26,335	445,673	3,101.075	15.9231	79	494.73	3,537.91	310.290	6.1512
25	24,921	419,338	3,060.167	15.8264	80	438.16	3,043.18	279.507	5.9454
26	23,582	394,416	3,019.651	15.7256	81	386.63	2,605.02	250.826	5.7377
27	22,312	370,835	2,978.891	15.6208	82	339.91	2,218.39	224.261	5.5264
28	21,108	348,523	2,938.247	15.5117	83	297.69	1,878.48	199.762	5.3101
29	19,966	327,416	2,896.969	15.3986	84	259.65	1,580.79	177.241	5.0881
30	18,883	307,450	2,855.235	15.2815	85	225.48	1,321.33	156.602	4.8593
31	17,857	288,566	2,812.824	15.1602	86	194.51	1,095.66	137.390	4.6329
32	16,883	270,710	2,769.920	15.0347	87	166.54	901.15	119.558	4.4111
33	15,959	253,827	2,726.006	14.9052	88	141.34	734.61	103.042	4.1975
34	15,081	237,868	2,680.495	14.7725	89	118.74	593.27	87.814	3.9963
35	14,248	222,787	2,633.211	14.6367	90	98.627	474.529	73.888	3.8114
36	13,456	208,539	2,584.172	14.4980	91	80.860	375.903	61.263	3.6488
37	12,704	195,083	2,533.689	14.3562	92	65.381	295.043	49.999	3.5127
38	11,990	182,379	2,481.786	14.2113	93	52.184	220.662	40.211	3.4010
39	11,311	170,390	2,428.622	14.0634	94	41.202	177.479	31.949	3.3075
40	10,668	159,078	2,374.472	13.9122	95	32.243	136.277	25.139	3.2265
41	10,057	148,411	2,319.470	13.7577	96	24.991	104.034	19.567	3.1628
42	9,476.7	138,354.1	2,263.959	13.5993	97	19.257	79.043	15.136	3.1046
43	8,926.7	128,877.3	2,207.940	13.4373	98	14.753	59.786	11.636	3.0524
44	8,404.6	119,950.7	2,151.239	13.2720	99	11.240	45.033	8.892	3.0064
45	7,909.1	111,546.1	2,093.899	13.1035	100	8.5261	33.7926	6.7644	2.9634
46	7,438.8	103,637.0	2,035.970	12.9319	101	6.4366	25.2665	5.1194	2.9254
47	6,992.7	96,198.1	1,977.888	12.7570	102	4.8392	18.8299	3.8575	2.8911
48	6,569.4	89,205.5	1,918.883	12.5789	103	3.6244	13.9907	2.8951	2.8601
49	6,168.2	82,636.1	1,860.119	12.3972	104	2.7026	10.3663	2.1621	2.8357
50	5,787.9	76,467.9	1,801.461	12.2116	105	2.0117	7.6637	1.6122	2.8095
51	5,427.6	70,680.0	1,742.863	12.0223	106	1.4919	5.6520	1.1972	2.7886
52	5,086.1	65,252.4	1,684.354	11.8295	107	1.1053	4.1601	.8884	2.7659
53	4,762.6	60,166.2	1,625.967	11.6331	108	.81654	3.05487	.65728	2.7412
54	4,456.1	55,403.6	1,567.737	11.4333	109	.60165	2.23833	.48496	2.7203

TABLE 62. UNITED STATES NEGRO FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 6 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,659,118	6,087.646	15.5912	55	3,212.0	37,628.9	1,082.072	10.7151
1	91,581	1,559,118	3,329.156	16.0244	56	2,986.1	34,416.8	1,037.945	10.5258
2	86,228	1,467,537	3,160.056	16.0192	57	2,773.5	31,430.8	994.367	10.3327
3	81,237	1,381,309	3,050.066	16.0034	58	2,573.4	28,657.3	951.245	10.1362
4	76,569	1,300,072	2,979.570	15.9792	59	2,384.9	26,084.0	908.476	9.9370
5	72,184	1,223,503	2,928.756	15.9499	60	2,207.5	23,699.0	866.036	9.7357
6	68,055	1,151,319	2,885.754	15.9175	61	2,040.5	21,491.5	824.025	9.5323
7	64,169	1,083,265	2,851.836	15.8815	62	1,883.4	19,451.0	782.422	9.3275
8	60,509	1,019,096	2,824.230	15.8421	63	1,733.6	17,567.6	741.214	9.1219
9	57,061	958,587	2,801.737	15.7992	64	1,596.6	15,832.0	700.442	8.9161
10	53,812	901,526	2,782.194	15.7533	65	1,466.0	14,235.4	660.211	8.7104
11	50,749	847,714	2,764.810	15.7042	66	1,343.6	12,769.4	620.847	8.5036
12	47,860	796,965	2,748.907	15.6520	67	1,229.3	11,425.8	582.521	8.2948
13	45,134	749,105	2,732.028	15.5973	68	1,122.4	10,196.5	545.243	8.0845
14	42,560	703,971	2,713.009	15.5405	69	1,022.5	9,074.1	508.837	7.8747
15	40,129	661,410	2,690.894	15.4820	70	928.86	8,051.63	473.103	7.6683
16	37,832	621,281	2,665.307	15.4220	71	841.00	7,122.77	437.827	7.4694
17	35,662	583,449	2,636.341	15.3606	72	758.66	6,281.77	403.086	7.2801
18	33,612	547,787	2,604.810	15.2975	73	681.90	5,523.11	369.275	7.0995
19	31,676	514,176	2,571.428	15.2325	74	611.09	4,841.21	337.055	6.9223
20	29,849	482,500	2,537.441	15.1648	75	546.35	4,230.12	306.912	6.7425
21	28,124	452,651	2,502.437	15.0947	76	487.43	3,683.77	278.917	6.5575
22	26,496	424,527	2,466.361	15.0222	77	433.77	3,196.34	252.844	6.3687
23	24,960	398,031	2,429.710	14.9469	78	384.94	2,762.57	228.566	6.1767
24	23,510	373,071	2,392.910	14.8685	79	340.53	2,377.63	205.943	5.9822
25	22,143	349,561	2,356.562	14.7865	80	300.16	2,037.10	184.855	5.7867
26	20,854	327,418	2,320.733	14.7006	81	263.62	1,736.94	165.300	5.5889
27	19,638	306,564	2,284.858	14.6111	82	230.67	1,473.32	147.272	5.3872
28	18,490	286,926	2,249.254	14.5176	83	201.06	1,242.66	130.725	5.1804
29	17,408	268,436	2,213.265	14.4205	84	174.54	1,041.59	115.586	4.9675
30	16,386	251,028	2,177.050	14.3195	85	150.86	867.05	101.778	4.7475
31	15,422	234,642	2,140.421	14.2147	86	129.52	716.19	88.984	4.5295
32	14,512	219,220	2,103.541	14.1059	87	110.37	586.67	77.166	4.3153
33	13,653	204,708	2,065.972	13.9934	88	93.232	476.296	66.272	4.1087
34	12,842	191,055	2,027.218	13.8778	89	77.957	383.064	56.274	3.9138
35	12,075	178,213	1,987.146	13.7592	90	64.445	305.107	47.175	3.7344
36	11,350	166,138	1,945.782	13.6379	91	52.586	240.663	38.964	3.5765
37	10,665	154,788	1,903.402	13.5137	92	42.319	188.077	31.673	3.4442
38	10,018	144,123	1,860.034	13.3865	93	33.618	145.757	25.367	3.3357
39	9,406.7	134,105.5	1,815.823	13.2564	94	26.418	112.140	20.070	3.2449
40	8,829.4	124,698.8	1,771.004	13.1231	95	20.576	85.722	15.724	3.1661
41	8,284.3	115,869.4	1,725.695	12.9866	96	15.873	65.146	12.185	3.1042
42	7,769.9	107,585.0	1,680.181	12.8464	97	12.173	49.273	9.384	3.0476
43	7,284.4	99,815.1	1,634.469	12.7026	98	9.2821	37.0995	7.1822	2.9969
44	6,826.0	92,530.8	1,588.417	12.5556	99	7.0385	27.8174	5.4639	2.9522
45	6,393.3	85,704.8	1,542.067	12.4054	100	5.3138	20.7789	4.1377	2.9103
46	5,984.8	79,311.5	1,495.461	12.2522	101	3.9927	15.4650	3.1175	2.8734
47	5,599.3	73,326.7	1,448.713	12.0957	102	2.9876	11.4724	2.3382	2.8400
48	5,235.6	67,727.4	1,401.927	11.9361	103	2.2271	8.4847	1.7468	2.8098
49	4,892.6	62,491.9	1,355.315	11.7728	104	1.6528	6.2577	1.2986	2.7861
50	4,569.3	57,599.3	1,309.007	11.6056	105	1.2245	4.6048	.9638	2.7606
51	4,264.7	53,029.9	1,262.964	11.4347	106	.90378	3.38034	.71244	2.7402
52	3,977.5	48,765.3	1,217.209	11.2603	107	.66642	2.47655	.52624	2.7162
53	3,706.9	44,787.8	1,171.764	11.0822	108	.49001	1.81012	.38755	2.6940
54	3,452.0	41,080.8	1,126.655	10.9006	109	.35935	1.32011	.28463	2.6735

TABLE 63. UNITED STATES NEGRO FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 6.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,548,351	5,499.692	14.4835	55	2,479.5	27,870.9	778.497	10.2404
1	91,151	1,448,351	2,754.152	14.8896	56	2,294.3	25,391.4	744.593	10.0671
2	85,420	1,357,200	2,586.637	14.8885	57	2,120.9	23,097.1	711.267	9.8900
3	80,099	1,271,780	2,478.189	14.8777	58	1,958.7	20,976.1	678.446	9.7093
4	75,141	1,191,681	2,409.007	14.8593	59	1,806.7	19,017.4	646.045	9.5259
5	70,505	1,116,540	2,359.375	14.8363	60	1,664.5	17,210.7	614.045	9.3401
6	66,160	1,046,035	2,317.570	14.8107	61	1,531.3	15,546.2	582.517	9.1520
7	62,089	979,875	2,284.751	14.7817	62	1,406.8	14,014.9	551.442	8.9622
8	58,273	917,786	2,258.165	14.7497	63	1,290.3	12,668.1	520.807	8.7713
9	54,695	859,513	2,236.605	14.7146	64	1,181.4	11,317.8	490.638	8.5800
10	51,338	804,817	2,217.960	14.6768	65	1,079.7	10,136.4	461.009	8.3885
11	48,188	753,479	2,201.453	14.6361	66	984.91	9,056.70	432.154	8.1955
12	45,232	705,291	2,186.423	14.5926	67	896.84	8,071.79	404.193	8.0003
13	42,456	660,058	2,170.546	14.5470	68	815.03	7,174.96	377.123	7.8033
14	39,847	617,603	2,152.740	14.4994	69	738.98	6,359.92	350.811	7.6064
15	37,394	577,756	2,132.132	14.4504	70	668.17	5,620.95	325.106	7.4125
16	35,088	540,362	2,108.401	14.4001	71	602.13	4,952.78	299.850	7.2254
17	32,920	505,273	2,081.662	14.3485	72	540.63	4,350.65	275.093	7.0474
18	30,882	472,353	2,052.692	14.2955	73	483.65	3,810.02	251.112	6.8777
19	28,966	441,472	2,022.165	14.2408	74	431.39	3,326.37	228.367	6.7109
20	27,168	412,505	1,991.231	14.1837	75	383.88	2,894.99	207.188	6.5414
21	25,478	385,338	1,959.521	14.1245	76	340.37	2,511.11	187.611	6.3668
22	23,890	359,860	1,926.993	14.0630	77	301.92	2,170.24	169.463	6.1882
23	22,399	335,970	1,894.101	13.9991	78	266.67	1,868.32	152.644	6.0060
24	20,999	313,570	1,861.231	13.9324	79	234.80	1,601.65	137.044	5.8214
25	19,685	292,571	1,828.918	13.8624	80	206.00	1,366.85	122.572	5.6354
26	18,452	272,886	1,797.215	13.7888	81	180.07	1,160.86	109.215	5.4469
27	17,294	254,433	1,765.621	13.7119	82	156.82	980.79	96.959	5.2543
28	16,208	237,139	1,734.412	13.6313	83	136.05	823.97	85.762	5.0563
29	15,187	220,931	1,703.014	13.5473	84	117.55	687.92	75.567	4.8520
30	14,229	205,744	1,671.567	13.4598	85	101.12	570.37	66.310	4.6404
31	13,329	191,515	1,639.911	13.3687	86	86.414	469.246	57.775	4.4302
32	12,483	178,187	1,608.187	13.2739	87	73.292	382.832	49.927	4.2233
33	11,689	165,703	1,576.021	13.1756	88	61.619	309.540	42.727	4.0234
34	10,943	154,014	1,542.997	13.0743	89	51.281	247.921	36.150	3.8345
35	10,241	143,071	1,509.010	12.9704	90	42.194	196.639	30.193	3.6604
36	9,581.1	132,830.1	1,474.093	12.8638	91	34.268	154.445	24.842	3.5070
37	8,960.7	123,249.0	1,438.485	12.7544	92	27.448	120.177	20.113	3.3783
38	8,377.6	114,288.2	1,402.218	12.6422	93	21.702	92.729	16.042	3.2728
39	7,829.5	105,910.7	1,365.420	12.5272	94	16.974	71.027	12.639	3.1844
40	7,314.5	98,081.2	1,328.291	12.4092	95	13.159	54.053	9.860	3.1078
41	6,830.7	90,766.8	1,290.932	12.2881	96	10.103	40.894	7.607	3.0477
42	6,376.4	83,936.1	1,253.581	12.1635	97	7.7120	30.7910	5.8327	2.9926
43	5,949.9	77,559.6	1,216.243	12.0354	98	5.8528	23.0790	4.4442	2.9433
44	5,549.3	71,609.7	1,178.805	11.9042	99	4.4172	17.2263	3.3659	2.8998
45	5,173.2	66,060.4	1,141.300	11.7698	100	3.3192	12.8090	2.5374	2.8591
46	4,819.9	60,887.2	1,103.765	11.6325	101	2.4822	9.4898	1.9030	2.8231
47	4,488.2	56,067.3	1,066.293	11.4920	102	1.8487	7.0076	1.4210	2.7906
48	4,177.0	51,579.1	1,028.967	11.3484	103	1.3716	5.1589	1.0568	2.7612
49	3,885.0	47,402.1	991.954	11.2012	104	1.0132	3.7873	.7820	2.7381
50	3,611.3	43,517.0	955.355	11.0502	105	.74707	2.77412	.57776	2.7133
51	3,354.7	39,905.7	919.137	10.8955	106	.54882	2.02704	.42510	2.6935
52	3,114.1	36,551.0	883.313	10.7372	107	.40278	1.47822	.31256	2.6700
53	2,888.6	33,436.9	847.900	10.5753	108	.29477	1.07544	.22913	2.6484
54	2,677.4	30,548.2	812.914	10.4098	109	.21515	.78066	.16751	2.6283

TABLE 64. UNITED STATES NEGRO FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 7 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,451,463	5,044.452	13.5146	55	1,916.4	20,700.1	562.212	9.8014
1	90,725	1,351,463	2,311.742	13.8962	56	1,765.0	18,783.6	536.130	9.6425
2	84,624	1,260,738	2,145.789	13.8981	57	1,624.0	17,018.7	510.613	9.4796
3	78,981	1,176,114	2,038.853	13.8911	58	1,492.7	15,394.7	485.600	9.3131
4	73,746	1,097,133	1,970.956	13.8772	59	1,370.5	13,902.0	461.022	9.1437
5	68,873	1,023,387	1,922.473	13.8590	60	1,256.7	12,531.5	436.862	8.9719
6	64,327	954,514	1,881.826	13.8385	61	1,150.8	11,274.8	413.170	8.7976
7	60,087	890,188	1,850.066	13.8151	62	1,052.2	10,124.0	389.927	8.6213
8	56,130	830,101	1,824.457	13.7889	63	960.60	9,071.77	367.120	8.4439
9	52,437	773,971	1,803.788	13.7599	64	875.40	8,111.17	344.765	8.2657
10	48,989	721,533	1,785.995	13.7284	65	796.28	7,235.77	322.912	8.0870
11	45,769	672,544	1,770.317	13.6945	66	723.01	6,439.49	301.731	7.9066
12	42,760	626,776	1,756.109	13.6579	67	655.28	5,716.49	281.301	7.7238
13	39,948	584,016	1,741.170	13.6195	68	592.72	5,061.21	261.615	7.5389
14	37,318	544,068	1,724.494	13.5793	69	534.90	4,468.49	242.569	7.3539
15	34,857	506,750	1,705.284	13.5379	70	481.39	3,933.59	224.049	7.1714
16	32,555	471,893	1,683.267	13.4954	71	431.78	3,452.20	205.938	6.9952
17	30,400	439,338	1,658.574	13.4518	72	385.87	3,020.42	188.269	6.8276
18	28,385	408,938	1,631.946	13.4069	73	343.59	2,634.55	171.232	6.6678
19	26,500	380,553	1,604.019	13.3605	74	305.03	2,290.97	155.150	6.5107
20	24,738	354,053	1,575.851	13.3120	75	270.17	1,985.94	140.244	6.3508
21	23,091	329,315	1,547.111	13.2616	76	238.78	1,715.77	126.530	6.1857
22	21,551	306,224	1,517.768	13.2092	77	210.50	1,477.00	113.878	6.0165
23	20,112	284,673	1,488.236	13.1546	78	185.06	1,266.49	102.206	5.8437
24	18,767	264,561	1,458.861	13.0974	79	162.18	1,081.43	91.431	5.6682
25	17,510	245,794	1,430.118	13.0373	80	141.62	919.25	81.481	5.4910
26	16,337	228,284	1,402.050	12.9738	81	123.21	777.63	72.341	5.3112
27	15,240	211,948	1,374.209	12.9074	82	106.81	654.42	63.994	5.1272
28	14,216	196,708	1,346.836	12.8375	83	92.229	547.614	56.404	4.9375
29	13,258	182,492	1,319.426	12.7645	84	79.316	455.385	49.524	4.7414
30	12,363	169,234	1,292.102	12.6882	85	67.911	376.069	43.308	4.5377
31	11,527	156,871	1,264.724	12.6086	86	57.763	308.158	37.603	4.3349
32	10,746	145,343	1,237.415	12.5255	87	48.763	250.395	32.382	4.1350
33	10,015	134,597	1,209.856	12.4392	88	40.804	201.633	27.614	3.9414
34	9,331.9	124,582.1	1,181.694	12.3501	89	33.800	160.828	23.279	3.7582
35	8,692.6	115,250.2	1,152.846	12.2585	90	27.681	127.028	19.370	3.5891
36	8,094.4	106,557.6	1,123.347	12.1644	91	22.376	99.348	15.877	3.4399
37	7,534.9	98,463.2	1,093.404	12.0676	92	17.839	76.972	12.803	3.3148
38	7,011.6	90,928.3	1,063.051	11.9682	93	14.039	59.133	10.170	3.2122
39	6,522.3	83,916.6	1,032.397	11.8662	94	10.929	45.094	7.979	3.1262
40	6,064.8	77,394.4	1,001.611	11.7613	95	8.4326	34.1654	6.1975	3.0516
41	5,637.2	71,329.6	970.780	11.6534	96	6.4443	25.7328	4.7609	2.9931
42	5,237.7	65,692.4	940.099	11.5421	97	4.8961	19.2885	3.6343	2.9395
43	4,864.5	60,454.6	909.572	11.4276	98	3.6984	14.3923	2.7568	2.8915
44	4,515.8	55,590.1	879.106	11.3100	99	2.7782	10.6939	2.0786	2.8492
45	4,190.0	51,074.2	848.729	11.1895	100	2.0779	7.9157	1.5600	2.8095
46	3,885.7	46,884.2	818.469	11.0660	101	1.5467	5.8379	1.1647	2.7745
47	3,601.4	42,998.6	788.402	10.9394	102	1.1465	4.2912	.8658	2.7428
48	3,336.0	39,597.2	758.591	10.8098	103	.84666	3.14469	.64094	2.7142
49	3,088.3	36,061.2	729.168	10.6767	104	.62247	2.29802	.47213	2.6918
50	2,857.3	32,972.9	700.211	10.5398	105	.45685	1.67555	.34723	2.6676
51	2,641.9	30,115.6	671.688	10.3994	106	.33404	1.21869	.25431	2.6483
52	2,441.0	27,473.7	643.609	10.2553	107	.24401	.88465	.18613	2.6254
53	2,253.6	25,032.7	615.980	10.1077	108	.17774	.64063	.13583	2.6042
54	2,079.0	22,779.1	588.813	9.9566	109	.12913	.46289	.09884	2.5846

TABLE 65. UNITED STATES NEGRO FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 7.5 PERCENT INTEREST

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000	1,366,142	4,687.783	12.6614	55	1,483.0	15,415.0	407.505	9.3947
1	90,303	1,266,142	1,967.783	13.0210	56	1,359.4	13,932.1	387.416	9.2485
2	83,839	1,175,839	1,803.370	13.0250	57	1,245.0	12,572.7	367.854	9.0984
3	77,884	1,092,000	1,697.920	13.0209	58	1,139.1	11,327.6	348.767	8.9447
4	72,384	1,014,116	1,631.277	13.0103	59	1,040.9	10,188.6	330.100	8.7879
5	67,286	941,732	1,583.911	12.9959	60	950.04	9,147.64	311.835	8.6287
6	62,552	874,446	1,544.385	12.9795	61	865.93	8,197.60	294.006	8.4668
7	58,157	811,894	1,513.645	12.9603	62	788.11	7,331.67	276.598	8.3029
8	54,075	753,737	1,488.974	12.9387	63	716.12	6,543.56	259.595	8.1375
9	50,283	699,661	1,469.154	12.9145	64	649.57	5,827.43	243.007	7.9712
10	46,758	649,379	1,452.172	12.8882	65	588.11	5,177.86	226.868	7.8042
11	43,481	602,621	1,437.278	12.8595	66	531.51	4,589.75	211.296	7.6353
12	40,434	559,140	1,423.842	12.8286	67	479.48	4,058.24	196.347	7.4638
13	37,599	518,707	1,409.782	12.7959	68	431.69	3,578.76	182.009	7.2901
14	34,960	481,108	1,394.160	12.7617	69	387.77	3,147.07	168.202	7.1159
15	32,503	446,148	1,376.247	12.7264	70	347.35	2,759.30	154.840	6.9439
16	30,215	413,645	1,355.812	12.6902	71	310.11	2,411.95	141.832	6.7778
17	28,084	383,431	1,333.001	12.6530	72	275.84	2,101.84	129.201	6.6198
18	26,100	355,347	1,308.516	12.6147	73	244.47	1,826.00	117.079	6.4691
19	24,254	329,246	1,282.956	12.5751	74	216.03	1,581.53	105.689	6.3209
20	22,536	304,993	1,257.296	12.5337	75	190.45	1,365.50	95.181	6.1699
21	20,938	282,457	1,231.237	12.4905	76	167.54	1,175.05	85.559	6.0136
22	19,450	261,519	1,204.754	12.4455	77	147.01	1,007.51	76.722	5.8532
23	18,067	242,069	1,178.225	12.3986	78	128.64	860.50	68.609	5.6890
24	16,780	224,002	1,151.959	12.3493	79	112.21	731.86	61.154	5.5220
25	15,584	207,222	1,126.378	12.2973	80	97.532	619.642	54.301	5.3532
26	14,472	191,639	1,101.515	12.2423	81	84.462	522.110	48.036	5.1816
27	13,437	177,167	1,076.967	12.1846	82	72.874	437.647	42.341	5.0055
28	12,476	163,729	1,052.943	12.1236	83	62.635	364.773	37.186	4.8238
29	11,582	151,254	1,029.000	12.0598	84	53.615	302.138	32.536	4.6353
30	10,750	139,672	1,005.242	11.9930	85	45.692	248.523	28.353	4.4391
31	9,976.1	128,922.2	981.547	11.9231	86	38.683	202.831	24.532	4.2434
32	9,256.6	118,946.1	958.024	11.8499	87	32.504	164.747	21.052	4.0501
33	8,587.1	109,689.5	934.394	11.7737	88	27.073	131.643	17.889	3.8625
34	7,964.0	101,102.3	910.361	11.6949	89	22.321	104.570	15.026	3.6848
35	7,383.9	93,138.3	885.856	11.6137	90	18.195	82.249	12.457	3.5204
36	6,843.8	85,754.4	860.914	11.5303	91	14.640	64.054	10.171	3.3753
37	6,341.1	78,910.7	835.716	11.4443	92	11.617	49.414	8.170	3.2536
38	5,873.3	72,569.5	810.290	11.3559	93	9.0997	37.7970	6.4627	3.1537
39	5,438.0	66,696.3	784.732	11.2649	94	7.0510	28.6974	5.0489	3.0700
40	5,033.0	61,258.3	759.184	11.1713	95	5.4152	21.6463	3.9050	2.9973
41	4,656.4	56,225.3	733.717	11.0748	96	4.1192	16.2311	2.9867	2.9404
42	4,306.3	51,568.9	708.492	10.9752	97	3.1150	12.1120	2.2700	2.8883
43	3,980.9	47,262.6	683.510	10.8723	98	2.3420	8.9970	1.7143	2.8415
44	3,678.3	43,281.7	658.694	10.7666	99	1.7511	6.6549	1.2868	2.8003
45	3,397.1	39,603.3	634.066	10.6580	100	1.3036	4.9038	.9615	2.7617
46	3,135.7	36,206.2	609.647	10.5466	101	.96582	3.60017	.71465	2.7276
47	2,892.7	33,070.6	585.496	10.4322	102	.71262	2.63435	.52883	2.6967
48	2,667.1	30,177.8	561.662	10.3149	103	.52380	1.92172	.38973	2.6688
49	2,457.6	27,510.7	538.249	10.1941	104	.38331	1.39792	.28578	2.6470
50	2,263.2	25,053.1	515.312	10.0698	105	.28001	1.01460	.20923	2.6234
51	2,082.8	22,789.9	492.825	9.9419	106	.20379	.73459	.15254	2.6046
52	1,915.5	20,707.1	470.790	9.8104	107	.14817	.53079	.11114	2.5823
53	1,760.3	18,791.6	449.211	9.6755	108	.10743	.38262	.08073	2.5616
54	1,616.3	17,031.4	428.089	9.5371	109	.07768	.27519	.05848	2.5424

TABLE 66. UNITED STATES NEGRO FEMALES: 1969-71--ACTUARIAL FUNCTIONS AT 8 PERCENT INTEREST

x	D _x	N _x	M _x	a _x	x	D _x	N _x	M _x	a _x
0	100,000	1,290,533	4,404.967	11.9053	55	1,148.9	11,508.9	296.418	9.0171
1	89,885	1,190,533	1,697.559	12.2450	56	1,048.3	10,359.9	280.926	8.8823
2	83,064	1,100,648	1,534.665	12.2506	57	955.66	9,311.62	265.910	8.7437
3	76,807	1,017,584	1,430.673	12.2485	58	870.29	8,355.96	251.327	8.6014
4	71,052	940,776	1,365.255	12.2406	59	791.62	7,485.67	237.131	8.4561
5	65,743	869,724	1,318.975	12.2292	60	719.16	6,694.05	223.304	8.3081
6	60,835	803,981	1,280.535	12.2158	61	652.46	5,974.89	209.871	8.1575
7	56,299	743,146	1,250.777	12.2001	62	591.07	5,322.43	196.815	8.0047
8	52,105	686,848	1,227.005	12.1821	63	534.99	4,731.36	184.123	7.8504
9	48,226	634,743	1,207.996	12.1618	64	482.67	4,196.77	171.797	7.6949
10	44,637	586,517	1,191.784	12.1396	65	434.98	3,714.10	159.860	7.5386
11	41,317	541,880	1,177.631	12.1152	66	391.29	3,279.12	148.396	7.3802
12	38,244	500,563	1,164.923	12.0888	67	351.35	2,887.83	137.442	7.2191
13	35,398	462,319	1,151.686	12.0608	68	314.87	2,536.47	126.984	7.0556
14	32,761	426,922	1,137.046	12.0314	69	281.52	2,221.60	116.960	6.8914
15	30,317	394,161	1,120.338	12.0011	70	251.01	1,940.08	107.303	6.7290
16	28,053	363,843	1,101.365	11.9700	71	223.06	1,689.06	97.947	6.5721
17	25,954	335,791	1,080.284	11.9381	72	197.50	1,466.00	88.903	6.4230
18	24,009	309,837	1,057.762	11.9052	73	174.23	1,268.51	80.264	6.2807
19	22,207	285,828	1,034.359	11.8712	74	153.24	1,094.28	72.184	6.1408
20	20,538	263,621	1,010.973	11.8355	75	134.47	941.04	64.766	5.9980
21	18,993	243,083	987.333	11.7982	76	117.75	806.56	58.003	5.8499
22	17,563	224,089	963.421	11.7594	77	102.84	688.82	51.821	5.6976
23	16,238	206,527	939.577	11.7188	78	89.577	585.972	46.171	5.5416
24	15,012	190,289	916.080	11.6762	79	77.774	496.395	41.004	5.3825
25	13,877	175,277	893.301	11.6310	80	67.286	418.621	36.277	5.2215
26	12,827	161,401	871.263	11.5830	81	57.999	351.335	31.975	5.0575
27	11,855	148,574	849.606	11.5325	82	49.810	293.335	28.082	4.8890
28	10,956	136,719	828.509	11.4791	83	42.614	243.525	24.575	4.7147
29	10,123	125,763	807.581	11.4231	84	36.308	200.911	21.426	4.5335
30	9,352.8	115,639.5	786.910	11.3642	85	30.799	164.603	18.606	4.3444
31	8,639.5	106,286.7	766.390	11.3024	86	25.954	133.804	16.043	4.1554
32	7,979.2	97,647.2	746.113	11.2377	87	21.707	107.850	13.719	3.9683
33	7,367.9	89,668.0	725.838	11.1701	88	17.997	86.142	11.616	3.7866
34	6,801.6	82,300.1	705.313	11.1001	89	14.769	68.146	9.722	3.6140
35	6,277.0	75,498.4	684.481	11.0279	90	11.983	53.376	8.030	3.4542
36	5,790.9	69,221.5	663.377	10.9535	91	9.5972	41.3929	6.5310	3.3130
37	5,340.7	63,430.6	642.154	10.8768	92	7.5804	31.7957	5.2251	3.1945
38	4,923.8	58,089.9	620.839	10.7978	93	5.9102	24.2154	4.1165	3.0972
39	4,537.7	53,166.1	599.512	10.7164	94	4.5584	18.3052	3.2025	3.0157
40	4,180.4	48,628.3	578.291	10.6325	95	3.4847	13.7467	2.4664	2.9449
41	3,849.7	44,448.0	557.237	10.5459	96	2.6384	10.2620	1.8782	2.8895
42	3,543.8	40,598.3	536.478	10.4563	97	1.9860	7.6237	1.4213	2.8387
43	3,260.8	37,054.5	516.016	10.3636	98	1.4863	5.6377	1.0687	2.7932
44	2,999.0	33,793.7	495.783	10.2682	99	1.1061	4.1514	.7986	2.7531
45	2,756.9	30,794.7	475.796	10.1701	100	.81963	3.04528	.59405	2.7154
46	2,532.9	28,037.8	456.071	10.0693	101	.60444	2.22564	.43957	2.6822
47	2,325.9	25,504.9	436.652	9.9656	102	.44391	1.62120	.32382	2.6521
48	2,134.5	23,179.0	417.577	9.8590	103	.32478	1.17729	.23757	2.6248
49	1,957.8	21,044.4	398.925	9.7492	104	.23657	.85250	.17342	2.6036
50	1,794.6	19,086.7	380.738	9.6358	105	.17202	.61593	.12639	2.5806
51	1,643.9	17,292.1	362.990	9.5190	106	.12461	.44391	.09173	2.5623
52	1,504.8	15,648.2	345.680	9.3988	107	.09018	.31930	.06653	2.5405
53	1,376.5	14,143.4	328.805	9.2752	108	.06508	.22911	.04811	2.5203
54	1,258.1	12,766.9	312.365	9.1481	109	.04684	.16402	.03469	2.5014

APPENDIX I

EXPLANATION OF ACTUARIAL FUNCTIONS

Introduction

The actuarial functions in this report are to be used to calculate present values of future payments contingent upon the death or survival of a designated individual. A series of periodic payments to continue during the life of an individual is called a *life annuity*. A payment to be made on the death of an individual is called a *life insurance*. The present values for which formulas are given below are called *net premiums*. This implies that they are calculated on the following basic assumptions:¹

1. The life table used will represent exactly the mortality to be experienced by the group of lives concerned.
2. All net premiums received will be immediately invested and will earn exactly the assumed rate of interest until withdrawn to pay benefits.
3. All net premiums paid on behalf of the group of lives involved, plus all interest earned, will ultimately be paid to members of the group in the form of contractual benefit payments. In other words, any expenses, taxes, profits, losses, and the like will be taken care of outside the net premium structure.

This appendix is an introduction to the subject of actuarial calculations; for more detailed information, actuarial textbooks should be consulted.²⁻⁴

¹ Menge, W. O., and Fischer, C. H.: *The Mathematics of Life Insurance*. New York. The Macmillan Company, 1965.

² U.S. Bureau of the Census: *United States Life Tables and Actuarial Tables, 1939-1941*, by T. N. E. Greville. Washington. U.S. Government Printing Office, 1946. part IV.

³ Jordan, C. W. Jr.: *Life Contingencies*. Chicago. The Society of Actuaries, 1967.

⁴ Hooker, P. F., and Longley-Cook, L. H.: *Life and Other Contingencies*, Vol. 1. Cambridge, England. Cambridge University Press, 1953.

Life Annuities

Let i denote the assumed rate of interest expressed in decimal form (e.g., $i=.07$ if the rate is 7 percent). Then an amount of 1 monetary unit (e.g., one dollar) deposited now will accumulate at compound interest to $(1+i)^n$ at the end of n years. Conversely, the present value today of 1 due at the end of n years is $(1+i)^{-n} = v^n$ where v is used to denote the reciprocal of $1+i$.

Now, suppose that each of l_x persons deposits on his x th birthday a fixed sum, which is denoted by a_x , so calculated that the aggregate deposits, with accumulated compound interest, will be just sufficient to provide a payment of 1 monetary unit to each individual on each subsequent birthday as long as he or she survives. (In the life table l_x is the number of survivors to age x out of l_0 births.) This gives the equation

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

where the summation continues to the end of the life table. Dividing by l_x gives

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

The preceding formula provides a means of calculating a_x , the present value at age x of a life annuity of 1 monetary unit per annum. However, it would be laborious to make this calculation for many different ages and interest rates. A shortcut is provided by tabulating certain auxiliary values called *commutation functions*. Thus one defines

$$D_x = v^x l_x$$

and

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

where the addition continues to the end of the life table. In terms of these auxiliary functions, the formula for a_x can now be written as

$$a_x = N_{x+1} / D_x$$

A life annuity, valued or paid for at age x under which the first payment is received at age $x+m+1$, is

called a *deferred life annuity* (deferred m years), and is denoted by ${}_m|a_x$. By reasoning similar to that previously employed, it is found that

$${}_m|a_x = N_{x+m+1}/D_x$$

The usual life annuity denoted by a_x is sometimes called an *immediate life annuity* to distinguish it from a deferred life annuity.

If the number of payments under the annuity is limited to a maximum of n (even though some annuitants may survive $n+1$ years or more), it is called a temporary life annuity for n years and denoted by $a_{x:\overline{n}}$. By the same kind of reasoning previously used for the whole life annuity, it is found that

$$a_{x:\overline{n}} = (N_{x+1} - N_{x+n+1})/D_x$$

Suppose that each of I_x individuals deposits on each birthday starting at age x a sum of 1 monetary unit in a fund (called a tontine fund) which accumulates at compound interest at the rate i until the participants attain age $x+n$, at which time the accumulated funds are divided equally among the survivors. The amount received by each survivor is called the value (at age $x+n$) of a *forborne annuity* of 1 monetary unit per annum and is denoted by ${}_n u_x$. By reasoning similar to that previously employed,

$${}_n u_x = (N_x - N_{x+n})/D_{x+n}$$

There is a *general life annuity formula*, of which the preceding formulas are particular cases. The value at age c of a life annuity of R per annum under which the first payment is made at age a and the last payment at age $b-1$ (all payments being contingent upon the survival of the annuitant) is

$$R(N_a - N_b)/D_c$$

Life Insurances

A *life insurance* is a contract to pay a designated sum on the death of a certain individual, called the *insured*. Here it is assumed for simplicity that the contract is entered into on a birthday and that the *sum insured* is paid on the birthday next following the date of death. If payment for the contract is made in a lump sum on the date of issue, the amount paid is called the *net single premium* for the contract. The net single premium at age x for whole life insurance of 1 monetary unit is denoted by A_x . If I_x persons all aged exactly x purchase life insurance contracts, and if the single premiums collected are just sufficient with accumulated compound interest to make the payments called for, then

$$I_x A_x = v d_x + v^2 d_{x+1} + v^3 d_{x+2} + \dots$$

where the summation continues to the end of the life table and $d_x = I_x - I_{x+1}$ is the number of deaths at age x . Introduction of two new commutation functions,

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

and

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

continuing to the end of the life table, gives

$$A_x = M_x/D_x$$

Just as in the case of annuities, it is possible to calculate the single premium, denoted by ${}_m|A_x$, for a *deferred life insurance*, under which coverage is postponed to age $x+m$, or that for a *temporary life insurance*, denoted by $A_{x:\overline{n}}^1$, under which coverage begins at age x and ceases at age $x+n$. Reasoning similar to that previously employed gives

$${}_m|A_x = M_{x+m}/D_x$$

and

$$A_{x:\overline{n}}^1 = (M_x - M_{x+n})/D_x$$

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

$$R(M_a - M_b)/D_c$$

which gives the net single premium payable at age c for life insurance coverage commencing at age a and terminating at age b with sum insured R .

The superscript 1 in $A_{x:\overline{n}}^1$ indicates that the single premium is for temporary insurance (also called *term insurance*). The symbol $A_{x:\overline{n}}$ (without the 1) denotes the single premium for n -year *endowment insurance*, under which the sum insured is paid not only in case of death between ages x and $x+n$ but also at age $x+n$ if the insured is then living. It is not difficult to show that

$$A_{x:\overline{n}} = (M_x - M_{x+n} + D_{x+n})/D_x$$

Annual Premiums

An annuity in which the annual payments are made at the beginning of each year (rather than at the end) is called an *annuity-due*. As a practical matter, the distinction affects only the date of the first payment and that of the last payment if the annuity terminates otherwise than by death. Shifting now from annual to monthly time intervals, it may be helpful to think of salary payments as an immediate annuity and of rent payments as an annuity-due. It is customary to distinguish the present value of an annuity-due by placing a diaeresis over the symbol. For example, $\ddot{a}_x = N_x/D_x$ denotes the present value of a whole life annuity-due.

Most life insurance policies are paid for not by a single premium but by equal annual premiums. As these annual premiums are payable in advance, they constitute an annuity-due. The latter may be a whole life annuity or a temporary life annuity, depending on the plan of insurance.

If P_x denotes the net annual premium payable during the lifetime of the insured for whole life insurance of 1 monetary unit (or, as it is commonly called, the net annual premium for *ordinary life insurance*), then

$$P_x \ddot{a}_x = A_x$$

or $P_x = A_x / \ddot{a}_x$. If we substitute for A_x and \ddot{a}_x the ex-

pressions in terms of commutation functions, the factor D_x cancels out so that $P_x = M_x / N_x$.

Similarly, the net annual premium for an *n-payment life policy* (under which the number of premium payments is limited to a maximum of n) of 1 monetary unit is

$${}_n P_x = M_x / (N_x - N_{x+n})$$

The net annual premium (payable during the life of the contract) for an *n-year endowment insurance* of 1 is

$$P_{x:\overline{n}|} = (M_x - M_{x+n} + D_{x+n}) / (N_x - N_{x+n})$$

Net premium formulas for other plans of insurance can easily be devised.

APPENDIX II

NOTES ON METHODOLOGY

The actuarial functions shown in these tables were calculated by the following formulas:

$$D_x = v^x I_x$$

$$N_x = \sum_{z=x}^{100} D_z + N_{110}$$

$$M_x = D_x - dN_x$$

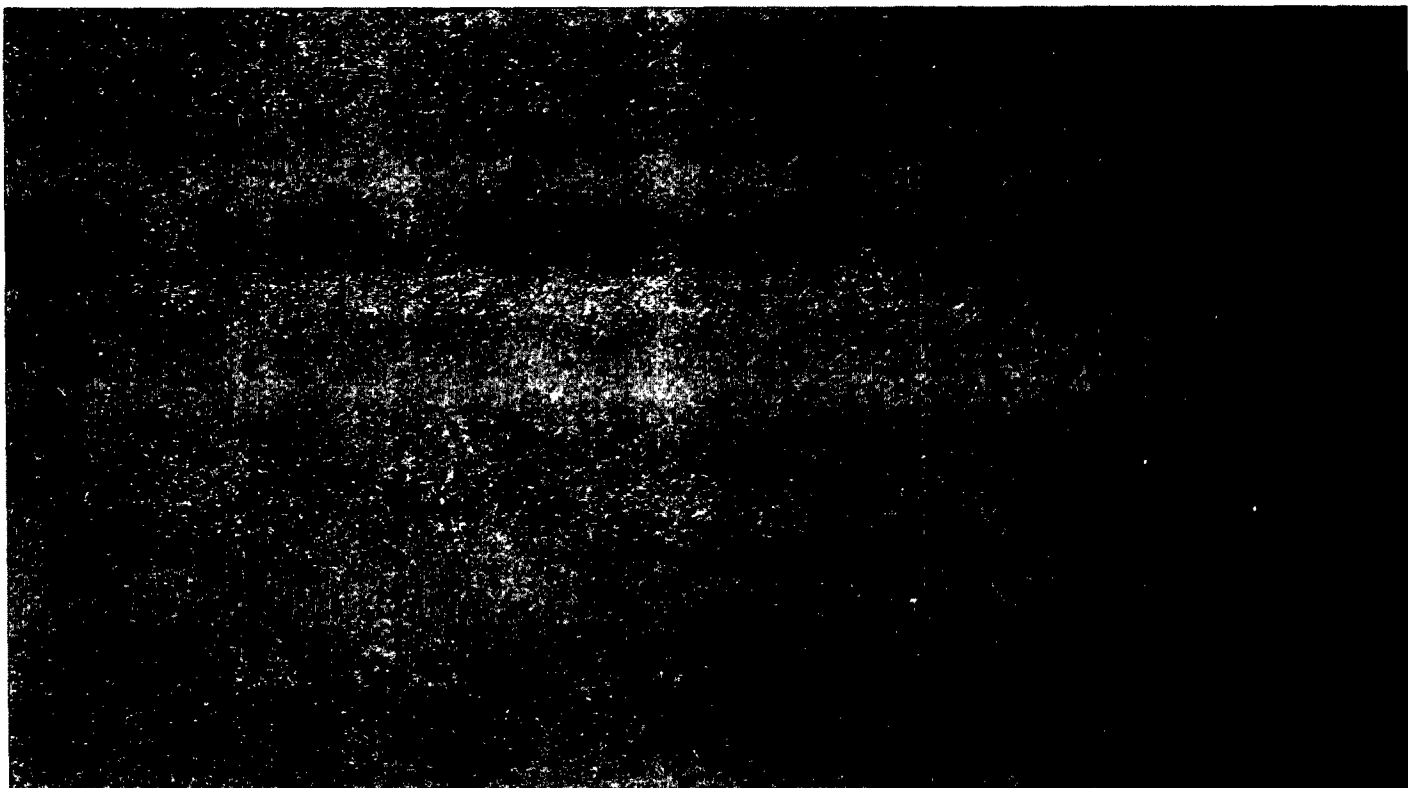
$$a_x = N_{x+1} / D_x$$

Here d is a constant given by $d = i / (1+i)$ where i is the interest rate expressed as a decimal fraction. (For the definitions of other symbols used, see appendix I.)

Values of N_{110} required in the second formula were obtained by the formula $N_{110} = D_{110} \ddot{a}_{110}'$ using values of \ddot{a}_{110} calculated specially by the Office of the Actuary of the Social Security Administration.

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