

United States Life Tables, 2003

EXCEL versions of these specific tables and other tables published in *United States Life Tables, 2003* are posted at ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/54_14/

The life table is composed of sets of values showing the mortality experience of a hypothetical group of infants born at the same time and subject throughout their lifetime to the specific mortality risks of a given year. The most frequently used life table statistic is average remaining lifetime or life expectancy ($e(x)$), which is the average number of years of life remaining for persons who have attained a given age (x).

Explanation of the columns of the life table

Age interval (x to $x+n$): This column shows the age interval between the two exact ages indicated.

Proportion dying ($q(x)$): This column shows the proportion of the cohort who are alive at the beginning of an indicated age interval who will die before reaching the end of that age interval.

Number surviving ($l(x)$): This column shows the number of persons, starting with a cohort of 100,000 live births, who survive to the exact age marking the beginning of each age interval.

Number dying ($d(x)$): This column shows the number dying in each successive age interval out of 100,000 live births.

Stationary population ($L(x)$): In a stationary population, the number of persons in the stationary population in the indicated age interval.

Cumulative stationary population ($T(x)$): In a stationary population, the total number of persons in the stationary population in the indicated age interval and all subsequent age intervals.

Average remaining lifetime ($e(x)$): The average remaining lifetime at any given age (life expectancy) is the average number of years remaining to be lived by those surviving to that age on the basis of a given set of age-specific rates of dying.

The following factors are used in calculating the life table; this information is only of interest to those calculating a life table. For further information, see National Center for Health Statistics. U.S. decennial life tables for 1989-91, vol 1, no.2, methodology of the national and State life tables. Hyattsville, Maryland. 1998. or Anderson RN. Method for constructing complete annual life tables. Vital and Health Statistics. 2(129). 1999. (http://www.cdc.gov/nchs/data/sr2_129.pdf)

Table 1. Life table for the total population: United States, 2003

Age	Probability of dying between ages x to x+1 $q(x)$	Number surviving to age x $l(x)$	Number dying between ages x to x+1 $d(x)$	Person-years lived between ages x to x+1 $L(x)$	Total number of person-years lived above age x $T(x)$	Expectation of life at age x $e(x)$
0-1	0.006865	100,000	687	99,394	7,748,865	77.5
1-2	0.000465	99,313	46	99,290	7,649,471	77.0
2-3	0.000331	99,267	33	99,251	7,550,181	76.1
3-4	0.000259	99,234	26	99,222	7,450,930	75.1
4-5	0.000198	99,209	20	99,199	7,351,709	74.1
5-6	0.000168	99,189	17	99,181	7,252,510	73.1
6-7	0.000151	99,172	15	99,165	7,153,329	72.1
7-8	0.000142	99,158	14	99,150	7,054,164	71.1
8-9	0.000139	99,143	14	99,137	6,955,013	70.2
9-10	0.000134	99,130	13	99,123	6,855,877	69.2
10-11	0.000165	99,116	16	99,108	6,756,754	68.2
11-12	0.000147	99,100	15	99,093	6,657,646	67.2
12-13	0.000176	99,085	17	99,077	6,558,553	66.2
13-14	0.000211	99,068	21	99,057	6,459,476	65.2
14-15	0.000257	99,047	25	99,034	6,360,419	64.2
15-16	0.000339	99,022	34	99,005	6,261,385	63.2
16-17	0.000534	98,988	53	98,962	6,162,380	62.3
17-18	0.000660	98,935	65	98,903	6,063,418	61.3
18-19	0.000863	98,870	85	98,827	5,964,516	60.3
19-20	0.000925	98,784	91	98,739	5,865,689	59.4
20-21	0.000956	98,693	94	98,646	5,766,950	58.4
21-22	0.000965	98,599	95	98,551	5,668,304	57.5
22-23	0.000987	98,504	97	98,455	5,569,753	56.5
23-24	0.000953	98,406	94	98,360	5,471,298	55.6
24-25	0.000955	98,313	94	98,266	5,372,938	54.7
25-26	0.000920	98,219	90	98,174	5,274,672	53.7
26-27	0.000962	98,128	94	98,081	5,176,499	52.8
27-28	0.000949	98,034	93	97,987	5,078,418	51.8
28-29	0.000932	97,941	91	97,895	4,980,430	50.9
29-30	0.000998	97,850	98	97,801	4,882,535	49.9
30-31	0.001014	97,752	99	97,703	4,784,734	48.9
31-32	0.001046	97,653	102	97,602	4,687,032	48.0
32-33	0.001110	97,551	108	97,497	4,589,430	47.0
33-34	0.001156	97,443	113	97,386	4,491,933	46.1
34-35	0.001227	97,330	119	97,270	4,394,547	45.2
35-36	0.001357	97,210	132	97,145	4,297,277	44.2

36-37	0.001460	97,079	142	97,008	4,200,132	43.3
37-38	0.001575	96,937	153	96,861	4,103,124	42.3
38-39	0.001672	96,784	162	96,703	4,006,264	41.4
39-40	0.001847	96,622	178	96,533	3,909,561	40.5
40-41	0.002026	96,444	195	96,346	3,813,027	39.5
41-42	0.002215	96,249	213	96,142	3,716,681	38.6
42-43	0.002412	96,035	232	95,920	3,620,539	37.7
43-44	0.002550	95,804	244	95,682	3,524,620	36.8
44-45	0.002847	95,559	272	95,423	3,428,938	35.9
45-46	0.003011	95,287	287	95,144	3,333,515	35.0
46-47	0.003371	95,000	320	94,840	3,238,371	34.1
47-48	0.003591	94,680	340	94,510	3,143,531	33.2
48-49	0.003839	94,340	362	94,159	3,049,021	32.3
49-50	0.004178	93,978	393	93,782	2,954,862	31.4
50-51	0.004494	93,585	421	93,375	2,861,080	30.6
51-52	0.004804	93,165	448	92,941	2,767,705	29.7
52-53	0.005200	92,717	482	92,476	2,674,764	28.8
53-54	0.005365	92,235	495	91,988	2,582,288	28.0
54-55	0.006056	91,740	556	91,462	2,490,300	27.1
55-56	0.006333	91,185	577	90,896	2,398,838	26.3
56-57	0.007234	90,607	655	90,279	2,307,942	25.5
57-58	0.007101	89,952	639	89,632	2,217,662	24.7
58-59	0.008339	89,313	745	88,941	2,128,030	23.8
59-60	0.009126	88,568	808	88,164	2,039,089	23.0
60-61	0.010214	87,760	896	87,312	1,950,925	22.2
61-62	0.010495	86,864	912	86,408	1,863,614	21.5
62-63	0.011966	85,952	1029	85,438	1,777,206	20.7
63-64	0.012704	84,923	1079	84,384	1,691,768	19.9
64-65	0.014032	83,845	1177	83,256	1,607,384	19.2
65-66	0.015005	82,668	1240	82,048	1,524,128	18.4
66-67	0.016240	81,428	1322	80,766	1,442,080	17.7
67-68	0.017837	80,105	1429	79,391	1,361,314	17.0
68-69	0.019265	78,676	1516	77,918	1,281,923	16.3
69-70	0.021071	77,161	1626	76,348	1,204,004	15.6
70-71	0.023226	75,535	1754	74,658	1,127,657	14.9
71-72	0.024702	73,780	1823	72,869	1,052,999	14.3
72-73	0.027419	71,958	1973	70,971	980,130	13.6
73-74	0.029698	69,985	2078	68,946	909,159	13.0
74-75	0.032349	67,906	2197	66,808	840,213	12.4
75-76	0.035767	65,710	2350	64,535	773,405	11.8
76-77	0.039145	63,360	2480	62,119	708,870	11.2

77-78	0.042748	60,879	2602	59,578	646,751	10.6
78-79	0.046289	58,277	2698	56,928	587,172	10.1
79-80	0.051067	55,579	2838	54,160	530,244	9.5
80-81	0.056846	52,741	2998	51,242	476,084	9.0
81-82	0.061856	49,743	3077	48,204	424,842	8.5
82-83	0.067173	46,666	3135	45,099	376,638	8.1
83-84	0.077268	43,531	3364	41,850	331,539	7.6
84-85	0.079159	40,168	3180	38,578	289,689	7.2
85-86	0.086601	36,988	3203	35,386	251,112	6.8
86-87	0.094663	33,785	3198	32,186	215,725	6.4
87-88	0.103381	30,587	3162	29,006	183,539	6.0
88-89	0.112791	27,425	3093	25,878	154,534	5.6
89-90	0.122926	24,331	2991	22,836	128,656	5.3
90-91	0.133819	21,340	2856	19,913	105,820	5.0
91-92	0.145499	18,485	2689	17,140	85,907	4.6
92-93	0.157990	15,795	2495	14,547	68,767	4.4
93-94	0.171312	13,300	2278	12,160	54,220	4.1
94-95	0.185481	11,021	2044	9,999	42,059	3.8
95-96	0.200502	8,977	1800	8,077	32,060	3.6
96-97	0.216376	7,177	1553	6,401	23,983	3.3
97-98	0.233093	5,624	1311	4,969	17,582	3.1
98-99	0.250634	4,313	1081	3,773	12,614	2.9
99-100	0.268969	3,232	869	2,797	8,841	2.7
<u>100+</u>	1.00000	2,363	2363	6,044	6,044	2.6

Table 2. Life table for males: United States, 2003

Age	Probability of dying between ages x to x+1 $q(x)$	Number surviving to age x $l(x)$	Number dying between ages x to x+1 $d(x)$	Person-years lived between ages x to x+1 $L(x)$	Total number of person-years lived above age x $T(x)$	Expectation of life at age x $e(x)$
0-1	0.007611	100,000	761	99,329	7,477,315	74.8
1-2	0.000518	99,239	51	99,213	7,377,986	74.3
2-3	0.000365	99,187	36	99,169	7,278,772	73.4
3-4	0.000293	99,151	29	99,137	7,179,603	72.4
4-5	0.000220	99,122	22	99,111	7,080,466	71.4
5-6	0.000192	99,100	19	99,091	6,981,355	70.4
6-7	0.000173	99,081	17	99,073	6,882,264	69.5
7-8	0.000152	99,064	15	99,057	6,783,191	68.5
8-9	0.000157	99,049	16	99,041	6,684,134	67.5
9-10	0.000138	99,034	14	99,027	6,585,093	66.5
10-11	0.000186	99,020	18	99,011	6,486,066	65.5
11-12	0.000162	99,002	16	98,994	6,387,055	64.5
12-13	0.000217	98,986	22	98,975	6,288,062	63.5
13-14	0.000255	98,964	25	98,951	6,189,087	62.5
14-15	0.000334	98,939	33	98,922	6,090,136	61.6
15-16	0.000430	98,906	43	98,884	5,991,213	60.6
16-17	0.000706	98,863	70	98,828	5,892,329	59.6
17-18	0.000908	98,793	90	98,748	5,793,501	58.6
18-19	0.001212	98,704	120	98,644	5,694,752	57.7
19-20	0.001356	98,584	134	98,517	5,596,108	56.8
20-21	0.001395	98,450	137	98,382	5,497,591	55.8
21-22	0.001412	98,313	139	98,244	5,399,210	54.9
22-23	0.001444	98,174	142	98,103	5,300,966	54.0
23-24	0.001388	98,032	136	97,964	5,202,863	53.1
24-25	0.001373	97,896	134	97,829	5,104,898	52.1
25-26	0.001326	97,762	130	97,697	5,007,069	51.2
26-27	0.001360	97,632	133	97,566	4,909,372	50.3
27-28	0.001317	97,500	128	97,435	4,811,806	49.4
28-29	0.001301	97,371	127	97,308	4,714,371	48.4
29-30	0.001367	97,244	133	97,178	4,617,063	47.5
30-31	0.001393	97,112	135	97,044	4,519,885	46.5
31-32	0.001416	96,976	137	96,908	4,422,841	45.6
32-33	0.001521	96,839	147	96,765	4,325,933	44.7
33-34	0.001505	96,692	146	96,619	4,229,168	43.7
34-35	0.001596	96,546	154	96,469	4,132,549	42.8
35-36	0.001732	96,392	167	96,309	4,036,080	41.9

36-37	0.001876	96,225	181	96,135	3,939,772	40.9
37-38	0.002008	96,045	193	95,948	3,843,637	40.0
38-39	0.002126	95,852	204	95,750	3,747,689	39.1
39-40	0.002341	95,648	224	95,536	3,651,939	38.2
40-41	0.002535	95,424	242	95,303	3,556,403	37.3
41-42	0.002800	95,182	266	95,049	3,461,100	36.4
42-43	0.003040	94,916	289	94,771	3,366,051	35.5
43-44	0.003231	94,627	306	94,474	3,271,279	34.6
44-45	0.003582	94,321	338	94,153	3,176,805	33.7
45-46	0.003777	93,984	355	93,806	3,082,652	32.8
46-47	0.004278	93,629	401	93,428	2,988,846	31.9
47-48	0.004598	93,228	429	93,014	2,895,418	31.1
48-49	0.004926	92,799	457	92,571	2,802,404	30.2
49-50	0.005356	92,342	495	92,095	2,709,833	29.3
50-51	0.005773	91,848	530	91,583	2,617,738	28.5
51-52	0.006153	91,318	562	91,037	2,526,155	27.7
52-53	0.006633	90,756	602	90,455	2,435,119	26.8
53-54	0.006813	90,154	614	89,847	2,344,664	26.0
54-55	0.007688	89,540	688	89,195	2,254,817	25.2
55-56	0.007986	88,851	710	88,496	2,165,622	24.4
56-57	0.009095	88,142	802	87,741	2,077,126	23.6
57-58	0.008825	87,340	771	86,955	1,989,385	22.8
58-59	0.010289	86,569	891	86,124	1,902,430	22.0
59-60	0.011298	85,678	968	85,194	1,816,307	21.2
60-61	0.012631	84,710	1,070	84,175	1,731,112	20.4
61-62	0.013049	83,640	1,091	83,095	1,646,937	19.7
62-63	0.014841	82,549	1,225	81,936	1,563,842	18.9
63-64	0.015666	81,324	1,274	80,687	1,481,906	18.2
64-65	0.017184	80,050	1,376	79,362	1,401,219	17.5
65-66	0.018456	78,674	1,452	77,948	1,321,857	16.8
66-67	0.020034	77,222	1,547	76,449	1,243,909	16.1
67-68	0.021998	75,675	1,665	74,843	1,167,460	15.4
68-69	0.023697	74,010	1,754	73,134	1,092,617	14.8
69-70	0.026257	72,257	1,897	71,308	1,019,484	14.1
70-71	0.028427	70,359	2,000	69,359	948,176	13.5
71-72	0.030325	68,359	2,073	67,323	878,816	12.9
72-73	0.033933	66,286	2,249	65,162	811,493	12.2
73-74	0.036781	64,037	2,355	62,859	746,332	11.7
74-75	0.039863	61,682	2,459	60,452	683,472	11.1
75-76	0.044460	59,223	2,633	57,906	623,020	10.5
76-77	0.048518	56,590	2,746	55,217	565,114	10.0

77-78	0.052622	53,844	2,833	52,428	509,896	9.5
78-79	0.057085	51,011	2,912	49,555	457,469	9.0
79-80	0.062847	48,099	3,023	46,587	407,914	8.5
80-81	0.069652	45,076	3,140	43,506	361,327	8.0
81-82	0.075675	41,936	3,174	40,350	317,820	7.6
82-83	0.081382	38,763	3,155	37,186	277,471	7.2
83-84	0.094027	35,608	3,348	33,934	240,285	6.7
84-85	0.095172	32,260	3,070	30,725	206,351	6.4
85-86	0.103762	29,190	3,029	27,675	175,626	6.0
86-87	0.113017	26,161	2,957	24,683	147,951	5.7
87-88	0.122971	23,204	2,853	21,778	123,268	5.3
88-89	0.133651	20,351	2,720	18,991	101,490	5.0
89-90	0.145087	17,631	2,558	16,352	82,499	4.7
90-91	0.157299	15,073	2,371	13,888	66,147	4.4
91-92	0.170307	12,702	2,163	11,620	52,260	4.1
92-93	0.184124	10,539	1,940	9,569	40,639	3.9
93-94	0.198755	8,598	1,709	7,744	31,071	3.6
94-95	0.214201	6,889	1,476	6,152	23,327	3.4
95-96	0.230452	5,414	1,248	4,790	17,175	3.2
96-97	0.247491	4,166	1,031	3,651	12,386	3.0
97-98	0.265289	3,135	832	2,719	8,735	2.8
98-99	0.283809	2,303	654	1,976	6,016	2.6
99-100	0.303003	1,650	500	1,400	4,039	2.4
100+	1.00000	1,150	1,150	2,640	2,640	2.3

Table 3. Life table for females: United States, 2003

Age	Probability of dying between ages x to x+1	Number surviving to age x	Number dying between ages x to x+1	Person-years lived between ages x to x+1	Total number of person-years lived above age x	Expectation of life at age x
	$q(x)$	$l(x)$	$d(x)$	$L(x)$	$T(x)$	$e(x)$
0-1	0.006083	100,000	608	99,460	8,009,389	80.1
1-2	0.000410	99,392	41	99,371	7,909,929	79.6
2-3	0.000296	99,351	29	99,336	7,810,557	78.6
3-4	0.000223	99,322	22	99,310	7,711,221	77.6
4-5	0.000175	99,299	17	99,291	7,611,911	76.7
5-6	0.000143	99,282	14	99,275	7,512,620	75.7
6-7	0.000127	99,268	13	99,262	7,413,345	74.7
7-8	0.000132	99,255	13	99,249	7,314,083	73.7
8-9	0.000121	99,242	12	99,236	7,214,835	72.7
9-10	0.000129	99,230	13	99,224	7,115,599	71.7
10-11	0.000143	99,217	14	99,210	7,016,375	70.7
11-12	0.000132	99,203	13	99,197	6,917,164	69.7
12-13	0.000133	99,190	13	99,183	6,817,968	68.7
13-14	0.000164	99,177	16	99,169	6,718,784	67.7
14-15	0.000176	99,161	17	99,152	6,619,616	66.8
15-16	0.000243	99,143	24	99,131	6,520,464	65.8
16-17	0.000353	99,119	35	99,102	6,421,333	64.8
17-18	0.000399	99,084	39	99,064	6,322,231	63.8
18-19	0.000494	99,045	49	99,020	6,223,167	62.8
19-20	0.000465	98,996	46	98,973	6,124,147	61.9
20-21	0.000486	98,950	48	98,926	6,025,174	60.9
21-22	0.000489	98,902	48	98,877	5,926,248	59.9
22-23	0.000505	98,853	50	98,828	5,827,371	58.9
23-24	0.000495	98,803	49	98,779	5,728,543	58.0
24-25	0.000514	98,754	51	98,729	5,629,764	57.0
25-26	0.000494	98,704	49	98,679	5,531,035	56.0
26-27	0.000547	98,655	54	98,628	5,432,356	55.1
27-28	0.000566	98,601	56	98,573	5,333,728	54.1
28-29	0.000549	98,545	54	98,518	5,235,155	53.1
29-30	0.000618	98,491	61	98,461	5,136,637	52.2
30-31	0.000626	98,430	62	98,399	5,038,176	51.2
31-32	0.000669	98,369	66	98,336	4,939,777	50.2
32-33	0.000693	98,303	68	98,269	4,841,441	49.3
33-34	0.000799	98,235	78	98,195	4,743,172	48.3
34-35	0.000852	98,156	84	98,114	4,644,977	47.3
35-36	0.000977	98,073	96	98,025	4,546,862	46.4

36-37	0.001040	97,977	102	97,926	4,448,838	45.4
37-38	0.001141	97,875	112	97,819	4,350,912	44.5
38-39	0.001216	97,763	119	97,704	4,253,093	43.5
39-40	0.001356	97,644	132	97,578	4,155,389	42.6
40-41	0.001521	97,512	148	97,438	4,057,811	41.6
41-42	0.001635	97,364	159	97,284	3,960,373	40.7
42-43	0.001795	97,204	174	97,117	3,863,089	39.7
43-44	0.001876	97,030	182	96,939	3,765,972	38.8
44-45	0.002125	96,848	206	96,745	3,669,033	37.9
45-46	0.002261	96,642	219	96,533	3,572,288	37.0
46-47	0.002486	96,424	240	96,304	3,475,755	36.0
47-48	0.002613	96,184	251	96,058	3,379,451	35.1
48-49	0.002780	95,933	267	95,799	3,283,393	34.2
49-50	0.003040	95,666	291	95,520	3,187,594	33.3
50-51	0.003264	95,375	311	95,219	3,092,073	32.4
51-52	0.003508	95,064	333	94,897	2,996,854	31.5
52-53	0.003829	94,730	363	94,549	2,901,957	30.6
53-54	0.003978	94,367	375	94,180	2,807,408	29.7
54-55	0.004502	93,992	423	93,781	2,713,228	28.9
55-56	0.004759	93,569	445	93,346	2,619,448	28.0
56-57	0.005466	93,124	509	92,869	2,526,102	27.1
57-58	0.005474	92,615	507	92,361	2,433,232	26.3
58-59	0.006512	92,108	600	91,808	2,340,871	25.4
59-60	0.007104	91,508	650	91,183	2,249,063	24.6
60-61	0.007979	90,858	725	90,495	2,157,881	23.8
61-62	0.008150	90,133	735	89,766	2,067,385	22.9
62-63	0.009356	89,398	836	88,980	1,977,620	22.1
63-64	0.010029	88,562	888	88,118	1,888,640	21.3
64-65	0.011201	87,674	982	87,183	1,800,522	20.5
65-66	0.011923	86,692	1,034	86,175	1,713,339	19.8
66-67	0.012895	85,658	1,105	85,106	1,627,165	19.0
67-68	0.014225	84,553	1,203	83,952	1,542,059	18.2
68-69	0.015455	83,351	1,288	82,706	1,458,107	17.5
69-70	0.016688	82,062	1,369	81,378	1,375,401	16.8
70-71	0.018890	80,693	1,524	79,931	1,294,023	16.0
71-72	0.020078	79,169	1,590	78,374	1,214,092	15.3
72-73	0.022156	77,579	1,719	76,720	1,135,718	14.6
73-74	0.024088	75,860	1,827	74,947	1,058,999	14.0
74-75	0.026516	74,033	1,963	73,051	984,052	13.3
75-76	0.029150	72,070	2,101	71,019	911,001	12.6
76-77	0.032215	69,969	2,254	68,842	839,981	12.0

77-78	0.035695	67,715	2,417	66,506	771,139	11.4
78-79	0.038807	65,298	2,534	64,031	704,633	10.8
79-80	0.043098	62,764	2,705	61,411	640,602	10.2
80-81	0.048423	60,059	2,908	58,605	579,191	9.6
81-82	0.053033	57,151	3,031	55,635	520,586	9.1
82-83	0.058390	54,120	3,160	52,540	464,951	8.6
83-84	0.067373	50,960	3,433	49,243	412,411	8.1
84-85	0.069965	47,526	3,325	45,864	363,168	7.6
85-86	0.077121	44,201	3,409	42,497	317,304	7.2
86-87	0.084936	40,792	3,465	39,060	274,807	6.7
87-88	0.093453	37,328	3,488	35,583	235,747	6.3
88-89	0.102719	33,839	3,476	32,101	200,164	5.9
89-90	0.112778	30,363	3,424	28,651	168,062	5.5
90-91	0.123671	26,939	3,332	25,273	139,411	5.2
91-92	0.135439	23,607	3,197	22,009	114,138	4.8
92-93	0.148116	20,410	3,023	18,899	92,129	4.5
93-94	0.161733	17,387	2,812	15,981	73,230	4.2
94-95	0.176314	14,575	2,570	13,290	57,249	3.9
95-96	0.191874	12,005	2,303	10,853	43,959	3.7
96-97	0.208419	9,702	2,022	8,691	33,106	3.4
97-98	0.225945	7,680	1,735	6,812	24,415	3.2
98-99	0.244433	5,945	1,453	5,218	17,603	3.0
99-100	0.263854	4,491	1,185	3,899	12,385	2.8
<u>100+</u>	1.00000	3,306	3,306	8,486	8,486	2.6

Table 4. Life table for the white population: United States, 2003

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	between	between	person-years	of life
	ages x to x+1	age x	ages x to x+1	ages x to x+1	lived above	at age x
	$q(x)$	$l(x)$	$d(x)$	$L(x)$	age x	$e(x)$
					$T(x)$	
0-1	0.005725	100,000	572	99,494	7,796,025	78.0
1-2	0.000416	99,428	41	99,407	7,696,530	77.4
2-3	0.000296	99,386	29	99,371	7,597,123	76.4
3-4	0.000235	99,357	23	99,345	7,497,752	75.5
4-5	0.000190	99,333	19	99,324	7,398,407	74.5
5-6	0.000154	99,315	15	99,307	7,299,083	73.5
6-7	0.000141	99,299	14	99,292	7,199,776	72.5
7-8	0.000134	99,285	13	99,279	7,100,484	71.5
8-9	0.000129	99,272	13	99,265	7,001,205	70.5
9-10	0.000128	99,259	13	99,253	6,901,940	69.5
10-11	0.000148	99,246	15	99,239	6,802,687	68.5
11-12	0.000130	99,232	13	99,225	6,703,448	67.6
12-13	0.000165	99,219	16	99,210	6,604,223	66.6
13-14	0.000200	99,202	20	99,192	6,505,012	65.6
14-15	0.000244	99,182	24	99,170	6,405,820	64.6
15-16	0.000331	99,158	33	99,142	6,306,650	63.6
16-17	0.000530	99,125	52	99,099	6,207,508	62.6
17-18	0.000658	99,073	65	99,040	6,108,408	61.7
18-19	0.000831	99,008	82	98,967	6,009,368	60.7
19-20	0.000883	98,926	87	98,882	5,910,401	59.7
20-21	0.000886	98,838	88	98,794	5,811,519	58.8
21-22	0.000923	98,751	91	98,705	5,712,725	57.9
22-23	0.000922	98,659	91	98,614	5,614,020	56.9
23-24	0.000864	98,568	85	98,526	5,515,406	56.0
24-25	0.000872	98,483	86	98,440	5,416,880	55.0
25-26	0.000836	98,397	82	98,356	5,318,440	54.1
26-27	0.000861	98,315	85	98,273	5,220,084	53.1
27-28	0.000844	98,230	83	98,189	5,121,811	52.1
28-29	0.000865	98,148	85	98,105	5,023,622	51.2
29-30	0.000901	98,063	88	98,018	4,925,517	50.2
30-31	0.000921	97,974	90	97,929	4,827,498	49.3
31-32	0.000969	97,884	95	97,837	4,729,569	48.3
32-33	0.001012	97,789	99	97,740	4,631,732	47.4
33-34	0.001060	97,690	104	97,639	4,533,993	46.4
34-35	0.001118	97,587	109	97,532	4,436,354	45.5
35-36	0.001226	97,478	119	97,418	4,338,822	44.5

36-37	0.001327	97,358	129	97,294	4,241,404	43.6
37-38	0.001449	97,229	141	97,158	4,144,111	42.6
38-39	0.001529	97,088	148	97,014	4,046,952	41.7
39-40	0.001699	96,940	165	96,857	3,949,938	40.7
40-41	0.001872	96,775	181	96,684	3,853,081	39.8
41-42	0.002037	96,594	197	96,495	3,756,397	38.9
42-43	0.002213	96,397	213	96,290	3,659,901	38.0
43-44	0.002359	96,184	227	96,070	3,563,611	37.1
44-45	0.002633	95,957	253	95,830	3,467,541	36.1
45-46	0.002779	95,704	266	95,571	3,371,710	35.2
46-47	0.003071	95,438	293	95,292	3,276,139	34.3
47-48	0.003309	95,145	315	94,988	3,180,848	33.4
48-49	0.003504	94,830	332	94,664	3,085,860	32.5
49-50	0.003828	94,498	362	94,317	2,991,196	31.7
50-51	0.004122	94,136	388	93,942	2,896,879	30.8
51-52	0.004381	93,748	411	93,543	2,802,937	29.9
52-53	0.004724	93,338	441	93,117	2,709,394	29.0
53-54	0.004937	92,897	459	92,667	2,616,276	28.2
54-55	0.005591	92,438	517	92,180	2,523,609	27.3
55-56	0.005888	91,921	541	91,651	2,431,430	26.5
56-57	0.006851	91,380	626	91,067	2,339,779	25.6
57-58	0.006655	90,754	604	90,452	2,248,712	24.8
58-59	0.007840	90,150	707	89,797	2,158,260	23.9
59-60	0.008641	89,443	773	89,057	2,068,464	23.1
60-61	0.009671	88,670	858	88,242	1,979,407	22.3
61-62	0.009997	87,813	878	87,374	1,891,165	21.5
62-63	0.011371	86,935	989	86,441	1,803,791	20.7
63-64	0.012186	85,946	1,047	85,423	1,717,351	20.0
64-65	0.013481	84,899	1,145	84,327	1,631,928	19.2
65-66	0.014403	83,755	1,206	83,151	1,547,601	18.5
66-67	0.015769	82,548	1,302	81,897	1,464,450	17.7
67-68	0.017279	81,246	1,404	80,545	1,382,552	17.0
68-69	0.018808	79,843	1,502	79,092	1,302,008	16.3
69-70	0.020465	78,341	1,603	77,539	1,222,916	15.6
70-71	0.022740	76,738	1,745	75,865	1,145,377	14.9
71-72	0.024128	74,993	1,809	74,088	1,069,512	14.3
72-73	0.026900	73,183	1,969	72,199	995,424	13.6
73-74	0.029207	71,215	2,080	70,175	923,225	13.0
74-75	0.031901	69,135	2,205	68,032	853,050	12.3
75-76	0.035365	66,929	2,367	65,746	785,018	11.7
76-77	0.038736	64,562	2,501	63,312	719,272	11.1

77-78	0.042357	62,061	2,629	60,747	655,960	10.6
78-79	0.045997	59,433	2,734	58,066	595,213	10.0
79-80	0.050852	56,699	2,883	55,257	537,147	9.5
80-81	0.056728	53,816	3,053	52,289	481,890	9.0
81-82	0.061787	50,763	3,137	49,195	429,601	8.5
82-83	0.067223	47,626	3,202	46,026	380,406	8.0
83-84	0.077585	44,425	3,447	42,701	334,380	7.5
84-85	0.079832	40,978	3,271	39,342	291,679	7.1
85-86	0.087523	37,707	3,300	36,057	252,336	6.7
86-87	0.095870	34,407	3,299	32,757	216,280	6.3
87-88	0.104911	31,108	3,264	29,476	183,523	5.9
88-89	0.114686	27,844	3,193	26,248	154,046	5.5
89-90	0.125229	24,651	3,087	23,108	127,799	5.2
90-91	0.136576	21,564	2,945	20,091	104,691	4.9
91-92	0.148756	18,619	2,770	17,234	84,600	4.5
92-93	0.161796	15,849	2,564	14,567	67,366	4.3
93-94	0.175716	13,285	2,334	12,118	52,799	4.0
94-95	0.190528	10,951	2,086	9,907	40,681	3.7
95-96	0.206240	8,864	1,828	7,950	30,774	3.5
96-97	0.222846	7,036	1,568	6,252	22,824	3.2
97-98	0.240334	5,468	1,314	4,811	16,572	3.0
98-99	0.258679	4,154	1,075	3,617	11,761	2.8
99-100	0.277845	3,079	856	2,652	8,144	2.6
<u>100+</u>	1.00000	2,224	2,224	5,492	5,492	2.5

Table 5. Life table for white males: United States, 2003

Age	Probability of dying between ages x to x+1 $q(x)$	Number surviving to age x $l(x)$	Number dying between ages x to x+1 $d(x)$	Person-years lived between ages x to x+1 $L(x)$	Total number of person-years lived above age x $T(x)$	Expectation of life at age x $e(x)$
0-1	0.006366	100,000	637	99,440	7,533,006	75.3
1-2	0.000458	99,363	45	99,341	7,433,566	74.8
2-3	0.000325	99,318	32	99,302	7,334,225	73.8
3-4	0.000266	99,286	26	99,272	7,234,923	72.9
4-5	0.000205	99,259	20	99,249	7,135,651	71.9
5-6	0.000180	99,239	18	99,230	7,036,402	70.9
6-7	0.000168	99,221	17	99,213	6,937,172	69.9
7-8	0.000140	99,204	14	99,197	6,837,959	68.9
8-9	0.000147	99,191	15	99,183	6,738,761	67.9
9-10	0.000130	99,176	13	99,169	6,639,578	66.9
10-11	0.000164	99,163	16	99,155	6,540,409	66.0
11-12	0.000147	99,147	15	99,139	6,441,254	65.0
12-13	0.000207	99,132	21	99,122	6,342,114	64.0
13-14	0.000239	99,112	24	99,100	6,242,993	63.0
14-15	0.000309	99,088	31	99,073	6,143,893	62.0
15-16	0.000412	99,057	41	99,037	6,044,820	61.0
16-17	0.000683	99,016	68	98,983	5,945,784	60.0
17-18	0.000896	98,949	89	98,905	5,846,801	59.1
18-19	0.001143	98,860	113	98,804	5,747,896	58.1
19-20	0.001276	98,747	126	98,684	5,649,093	57.2
20-21	0.001291	98,621	127	98,558	5,550,409	56.3
21-22	0.001344	98,494	132	98,428	5,451,851	55.4
22-23	0.001338	98,362	132	98,296	5,353,423	54.4
23-24	0.001242	98,230	122	98,169	5,255,128	53.5
24-25	0.001237	98,108	121	98,047	5,156,959	52.6
25-26	0.001184	97,987	116	97,929	5,058,911	51.6
26-27	0.001209	97,871	118	97,811	4,960,983	50.7
27-28	0.001165	97,752	114	97,695	4,863,171	49.7
28-29	0.001198	97,638	117	97,580	4,765,476	48.8
29-30	0.001243	97,521	121	97,461	4,667,896	47.9
30-31	0.001277	97,400	124	97,338	4,570,435	46.9
31-32	0.001308	97,276	127	97,212	4,473,097	46.0
32-33	0.001387	97,149	135	97,081	4,375,885	45.0
33-34	0.001385	97,014	134	96,947	4,278,803	44.1
34-35	0.001480	96,880	143	96,808	4,181,857	43.2
35-36	0.001577	96,736	153	96,660	4,085,049	42.2

36-37	0.001733	96,584	167	96,500	3,988,389	41.3
37-38	0.001873	96,416	181	96,326	3,891,889	40.4
38-39	0.001964	96,236	189	96,141	3,795,563	39.4
39-40	0.002177	96,047	209	95,942	3,699,422	38.5
40-41	0.002399	95,837	230	95,723	3,603,479	37.6
41-42	0.002611	95,608	250	95,483	3,507,757	36.7
42-43	0.002808	95,358	268	95,224	3,412,274	35.8
43-44	0.002993	95,090	285	94,948	3,317,050	34.9
44-45	0.003368	94,806	319	94,646	3,222,102	34.0
45-46	0.003527	94,486	333	94,320	3,127,456	33.1
46-47	0.003955	94,153	372	93,967	3,033,137	32.2
47-48	0.004275	93,781	401	93,580	2,939,170	31.3
48-49	0.004526	93,380	423	93,168	2,845,590	30.5
49-50	0.004918	92,957	457	92,729	2,752,422	29.6
50-51	0.005303	92,500	491	92,255	2,659,693	28.8
51-52	0.005633	92,009	518	91,750	2,567,438	27.9
52-53	0.006025	91,491	551	91,215	2,475,688	27.1
53-54	0.006290	90,940	572	90,654	2,384,473	26.2
54-55	0.007118	90,368	643	90,046	2,293,819	25.4
55-56	0.007413	89,725	665	89,392	2,203,773	24.6
56-57	0.008601	89,059	766	88,676	2,114,381	23.7
57-58	0.008271	88,293	730	87,928	2,025,704	22.9
58-59	0.009631	87,563	843	87,142	1,937,776	22.1
59-60	0.010662	86,720	925	86,258	1,850,634	21.3
60-61	0.011924	85,795	1,023	85,284	1,764,377	20.6
61-62	0.012422	84,772	1,053	84,246	1,679,093	19.8
62-63	0.014049	83,719	1,176	83,131	1,594,847	19.0
63-64	0.015032	82,543	1,241	81,923	1,511,716	18.3
64-65	0.016425	81,302	1,335	80,635	1,429,794	17.6
65-66	0.017708	79,967	1,416	79,259	1,349,159	16.9
66-67	0.019462	78,551	1,529	77,786	1,269,900	16.2
67-68	0.021301	77,022	1,641	76,202	1,192,114	15.5
68-69	0.023056	75,381	1,738	74,512	1,115,912	14.8
69-70	0.025432	73,643	1,873	72,707	1,041,400	14.1
70-71	0.027816	71,770	1,996	70,772	968,693	13.5
71-72	0.029476	69,774	2,057	68,746	897,921	12.9
72-73	0.033229	67,717	2,250	66,592	829,175	12.2
73-74	0.036104	65,467	2,364	64,285	762,582	11.6
74-75	0.039230	63,104	2,476	61,866	698,297	11.1
75-76	0.043921	60,628	2,663	59,297	636,431	10.5
76-77	0.047887	57,965	2,776	56,577	577,135	10.0

77-78	0.052068	55,189	2,874	53,753	520,557	9.4
78-79	0.056615	52,316	2,962	50,835	466,805	8.9
79-80	0.062591	49,354	3,089	47,809	415,970	8.4
80-81	0.069332	46,265	3,208	44,661	368,160	8.0
81-82	0.075461	43,057	3,249	41,433	323,499	7.5
82-83	0.081450	39,808	3,242	38,187	282,066	7.1
83-84	0.094345	36,566	3,450	34,841	243,879	6.7
84-85	0.095965	33,116	3,178	31,527	209,038	6.3
85-86	0.104861	29,938	3,139	28,368	177,511	5.9
86-87	0.114465	26,799	3,068	25,265	149,143	5.6
87-88	0.124810	23,731	2,962	22,250	123,878	5.2
88-89	0.135929	20,769	2,823	19,358	101,628	4.9
89-90	0.147850	17,946	2,653	16,619	82,270	4.6
90-91	0.160597	15,293	2,456	14,065	65,651	4.3
91-92	0.174188	12,837	2,236	11,719	51,586	4.0
92-93	0.188636	10,601	2,000	9,601	39,867	3.8
93-94	0.203947	8,601	1,754	7,724	30,266	3.5
94-95	0.220115	6,847	1,507	6,093	22,542	3.3
95-96	0.237130	5,340	1,266	4,707	16,449	3.1
96-97	0.254967	4,074	1,039	3,554	11,742	2.9
97-98	0.273593	3,035	830	2,620	8,188	2.7
98-99	0.292962	2,205	646	1,882	5,568	2.5
99-100	0.313017	1,559	488	1,315	3,686	2.4
<u>100+</u>	1.00000	1,071	1,071	2,371	2,371	2.2

Table 6. Life table for white females: United States, 2003

Age	Probability of dying between ages x to x+1 $q(x)$	Number surviving to age x $l(x)$	Number dying between ages x to x+1 $d(x)$	Person-years lived between ages x to x+1 $L(x)$	Total number of person-years lived above age x $T(x)$	Expectation of life at age x $e(x)$
0-1	0.005052	100,000	505	99,551	8,050,674	80.5
1-2	0.000372	99,495	37	99,476	7,951,123	79.9
2-3	0.000266	99,458	26	99,445	7,851,647	78.9
3-4	0.000202	99,431	20	99,421	7,752,202	78.0
4-5	0.000175	99,411	17	99,403	7,652,781	77.0
5-6	0.000127	99,394	13	99,388	7,553,378	76.0
6-7	0.000113	99,381	11	99,376	7,453,990	75.0
7-8	0.000129	99,370	13	99,364	7,354,615	74.0
8-9	0.000110	99,357	11	99,352	7,255,251	73.0
9-10	0.000126	99,346	12	99,340	7,155,899	72.0
10-11	0.000131	99,334	13	99,327	7,056,559	71.0
11-12	0.000113	99,321	11	99,315	6,957,232	70.0
12-13	0.000121	99,310	12	99,304	6,857,917	69.1
13-14	0.000158	99,298	16	99,290	6,758,613	68.1
14-15	0.000175	99,282	17	99,273	6,659,323	67.1
15-16	0.000245	99,265	24	99,252	6,560,050	66.1
16-17	0.000368	99,240	37	99,222	6,460,798	65.1
17-18	0.000405	99,204	40	99,184	6,361,576	64.1
18-19	0.000499	99,163	49	99,139	6,262,392	63.2
19-20	0.000461	99,114	46	99,091	6,163,253	62.2
20-21	0.000447	99,068	44	99,046	6,064,162	61.2
21-22	0.000472	99,024	47	99,001	5,965,116	60.2
22-23	0.000478	98,977	47	98,954	5,866,115	59.3
23-24	0.000459	98,930	45	98,907	5,767,162	58.3
24-25	0.000479	98,885	47	98,861	5,668,255	57.3
25-26	0.000463	98,837	46	98,814	5,569,394	56.3
26-27	0.000487	98,791	48	98,767	5,470,579	55.4
27-28	0.000503	98,743	50	98,718	5,371,812	54.4
28-29	0.000510	98,694	50	98,668	5,273,094	53.4
29-30	0.000539	98,643	53	98,617	5,174,425	52.5
30-31	0.000549	98,590	54	98,563	5,075,809	51.5
31-32	0.000613	98,536	60	98,506	4,977,245	50.5
32-33	0.000622	98,476	61	98,445	4,878,740	49.5
33-34	0.000720	98,414	71	98,379	4,780,295	48.6
34-35	0.000741	98,343	73	98,307	4,681,916	47.6
35-36	0.000861	98,271	85	98,228	4,583,609	46.6

36-37	0.000910	98,186	89	98,141	4,485,380	45.7
37-38	0.001013	98,097	99	98,047	4,387,239	44.7
38-39	0.001080	97,997	106	97,944	4,289,192	43.8
39-40	0.001214	97,892	119	97,832	4,191,248	42.8
40-41	0.001339	97,773	131	97,707	4,093,416	41.9
41-42	0.001457	97,642	142	97,571	3,995,708	40.9
42-43	0.001614	97,500	157	97,421	3,898,138	40.0
43-44	0.001715	97,342	167	97,259	3,800,717	39.0
44-45	0.001895	97,175	184	97,083	3,703,458	38.1
45-46	0.002030	96,991	197	96,893	3,606,375	37.2
46-47	0.002190	96,794	212	96,688	3,509,483	36.3
47-48	0.002350	96,582	227	96,469	3,412,794	35.3
48-49	0.002486	96,355	240	96,235	3,316,326	34.4
49-50	0.002752	96,116	264	95,983	3,220,091	33.5
50-51	0.002959	95,851	284	95,709	3,124,107	32.6
51-52	0.003151	95,567	301	95,417	3,028,398	31.7
52-53	0.003452	95,266	329	95,102	2,932,981	30.8
53-54	0.003611	94,937	343	94,766	2,837,879	29.9
54-55	0.004104	94,595	388	94,400	2,743,113	29.0
55-56	0.004407	94,206	415	93,999	2,648,713	28.1
56-57	0.005156	93,791	484	93,549	2,554,714	27.2
57-58	0.005101	93,308	476	93,070	2,461,165	26.4
58-59	0.006129	92,832	569	92,547	2,368,095	25.5
59-60	0.006722	92,263	620	91,953	2,275,548	24.7
60-61	0.007551	91,642	692	91,296	2,183,595	23.8
61-62	0.007731	90,951	703	90,599	2,092,299	23.0
62-63	0.008895	90,247	803	89,846	2,001,700	22.2
63-64	0.009569	89,445	856	89,017	1,911,854	21.4
64-65	0.010787	88,589	956	88,111	1,822,837	20.6
65-66	0.011398	87,633	999	87,134	1,734,726	19.8
66-67	0.012454	86,634	1,079	86,095	1,647,593	19.0
67-68	0.013717	85,555	1,174	84,969	1,561,498	18.3
68-69	0.015085	84,382	1,273	83,745	1,476,529	17.5
69-70	0.016182	83,109	1,345	82,436	1,392,784	16.8
70-71	0.018419	81,764	1,506	81,011	1,310,348	16.0
71-72	0.019638	80,258	1,576	79,470	1,229,337	15.3
72-73	0.021685	78,682	1,706	77,829	1,149,867	14.6
73-74	0.023638	76,976	1,820	76,066	1,072,038	13.9
74-75	0.026094	75,156	1,961	74,175	995,972	13.3
75-76	0.028728	73,195	2,103	72,144	921,797	12.6
76-77	0.031848	71,092	2,264	69,960	849,653	12.0

77-78	0.035298	68,828	2,429	67,613	779,693	11.3
78-79	0.038543	66,399	2,559	65,119	712,080	10.7
79-80	0.042827	63,839	2,734	62,472	646,961	10.1
80-81	0.048364	61,105	2,955	59,628	584,488	9.6
81-82	0.052986	58,150	3,081	56,609	524,861	9.0
82-83	0.058354	55,069	3,213	53,462	468,251	8.5
83-84	0.067603	51,855	3,506	50,103	414,789	8.0
84-85	0.070514	48,350	3,409	46,645	364,687	7.5
85-86	0.077904	44,940	3,501	43,190	318,041	7.1
86-87	0.085990	41,439	3,563	39,658	274,851	6.6
87-88	0.094821	37,876	3,591	36,080	235,194	6.2
88-89	0.104445	34,285	3,581	32,494	199,113	5.8
89-90	0.114909	30,704	3,528	28,940	166,619	5.4
90-91	0.126258	27,176	3,431	25,460	137,680	5.1
91-92	0.138535	23,744	3,289	22,100	112,219	4.7
92-93	0.151777	20,455	3,105	18,903	90,120	4.4
93-94	0.166014	17,350	2,880	15,910	71,217	4.1
94-95	0.181271	14,470	2,623	13,159	55,307	3.8
95-96	0.197561	11,847	2,341	10,677	42,148	3.6
96-97	0.214888	9,506	2,043	8,485	31,472	3.3
97-98	0.233242	7,464	1,741	6,593	22,986	3.1
98-99	0.252600	5,723	1,446	5,000	16,393	2.9
99-100	0.272923	4,277	1,167	3,694	11,393	2.7
<u>100+</u>	1.00000	3,110	3,110	7,700	7,700	2.5

Table 7. Life table for the black population: United States, 2003

Age	Probability of dying between ages x to x+1 $q(x)$	Number surviving to age x $l(x)$	Number dying between ages x to x+1 $d(x)$	Person-years lived between ages x to x+1 $L(x)$	Total number of person-years lived above age x $T(x)$	Expectation of life at age x $e(x)$
0-1	0.014034	100,000	1,403	98,754	7,270,215	72.7
1-2	0.000723	98,597	71	98,561	7,171,461	72.7
2-3	0.000488	98,525	48	98,501	7,072,900	71.8
3-4	0.000397	98,477	39	98,458	6,974,399	70.8
4-5	0.000245	98,438	24	98,426	6,875,941	69.9
5-6	0.000228	98,414	22	98,403	6,777,515	68.9
6-7	0.000206	98,391	20	98,381	6,679,112	67.9
7-8	0.000192	98,371	19	98,362	6,580,731	66.9
8-9	0.000195	98,352	19	98,343	6,482,369	65.9
9-10	0.000169	98,333	17	98,325	6,384,026	64.9
10-11	0.000246	98,317	24	98,304	6,285,702	63.9
11-12	0.000230	98,292	23	98,281	6,187,397	62.9
12-13	0.000243	98,270	24	98,258	6,089,116	62.0
13-14	0.000262	98,246	26	98,233	5,990,858	61.0
14-15	0.000306	98,220	30	98,205	5,892,625	60.0
15-16	0.000392	98,190	38	98,171	5,794,420	59.0
16-17	0.000598	98,152	59	98,122	5,696,249	58.0
17-18	0.000721	98,093	71	98,058	5,598,127	57.1
18-19	0.001100	98,022	108	97,968	5,500,069	56.1
19-20	0.001218	97,914	119	97,855	5,402,101	55.2
20-21	0.001440	97,795	141	97,725	5,304,246	54.2
21-22	0.001310	97,654	128	97,590	5,206,521	53.3
22-23	0.001469	97,526	143	97,455	5,108,931	52.4
23-24	0.001586	97,383	154	97,306	5,011,476	51.5
24-25	0.001561	97,229	152	97,153	4,914,171	50.5
25-26	0.001529	97,077	148	97,003	4,817,018	49.6
26-27	0.001754	96,928	170	96,843	4,720,015	48.7
27-28	0.001780	96,758	172	96,672	4,623,172	47.8
28-29	0.001557	96,586	150	96,511	4,526,500	46.9
29-30	0.001813	96,436	175	96,348	4,429,989	45.9
30-31	0.001773	96,261	171	96,176	4,333,641	45.0
31-32	0.001760	96,090	169	96,006	4,237,465	44.1
32-33	0.001971	95,921	189	95,827	4,141,459	43.2
33-34	0.002028	95,732	194	95,635	4,045,633	42.3
34-35	0.002158	95,538	206	95,435	3,949,998	41.3
35-36	0.002424	95,332	231	95,216	3,854,563	40.4

36-37	0.002577	95,101	245	94,978	3,759,347	39.5
37-38	0.002677	94,855	254	94,729	3,664,369	38.6
38-39	0.002883	94,602	273	94,465	3,569,640	37.7
39-40	0.003129	94,329	295	94,181	3,475,175	36.8
40-41	0.003384	94,034	318	93,875	3,380,994	36.0
41-42	0.003783	93,716	355	93,538	3,287,119	35.1
42-43	0.004167	93,361	389	93,166	3,193,581	34.2
43-44	0.004311	92,972	401	92,771	3,100,415	33.3
44-45	0.004852	92,571	449	92,347	3,007,643	32.5
45-46	0.005155	92,122	475	91,885	2,915,297	31.6
46-47	0.006024	91,647	552	91,371	2,823,412	30.8
47-48	0.006230	91,095	568	90,811	2,732,041	30.0
48-49	0.006915	90,527	626	90,215	2,641,230	29.2
49-50	0.007405	89,902	666	89,569	2,551,015	28.4
50-51	0.008162	89,236	728	88,872	2,461,447	27.6
51-52	0.008930	88,507	790	88,112	2,372,575	26.8
52-53	0.009610	87,717	843	87,296	2,284,463	26.0
53-54	0.009511	86,874	826	86,461	2,197,167	25.3
54-55	0.010782	86,048	928	85,584	2,110,706	24.5
55-56	0.011445	85,120	974	84,633	2,025,122	23.8
56-57	0.012210	84,146	1,027	83,632	1,940,489	23.1
57-58	0.012267	83,119	1,020	82,609	1,856,857	22.3
58-59	0.014117	82,099	1,159	81,519	1,774,248	21.6
59-60	0.015001	80,940	1,214	80,333	1,692,729	20.9
60-61	0.016888	79,726	1,346	79,053	1,612,396	20.2
61-62	0.016993	78,379	1,332	77,713	1,533,343	19.6
62-63	0.019385	77,048	1,494	76,301	1,455,630	18.9
63-64	0.019473	75,554	1,471	74,818	1,379,329	18.3
64-65	0.021522	74,083	1,594	73,285	1,304,511	17.6
65-66	0.022806	72,488	1,653	71,662	1,231,225	17.0
66-67	0.023320	70,835	1,652	70,009	1,159,564	16.4
67-68	0.026034	69,183	1,801	68,283	1,089,554	15.7
68-69	0.026702	67,382	1,799	66,483	1,021,272	15.2
69-70	0.029958	65,583	1,965	64,601	954,789	14.6
70-71	0.031525	63,618	2,006	62,615	890,189	14.0
71-72	0.034437	61,613	2,122	60,552	827,573	13.4
72-73	0.037493	59,491	2,230	58,376	767,022	12.9
73-74	0.039996	57,260	2,290	56,115	708,646	12.4
74-75	0.042161	54,970	2,318	53,811	652,531	11.9
75-76	0.045531	52,653	2,397	51,454	598,719	11.4
76-77	0.049762	50,255	2,501	49,005	547,265	10.9

77-78	0.053552	47,754	2,557	46,476	498,260	10.4
78-79	0.056377	45,197	2,548	43,923	451,785	10.0
79-80	0.060849	42,649	2,595	41,351	407,861	9.6
80-81	0.066151	40,054	2,650	38,729	366,510	9.2
81-82	0.070182	37,404	2,625	36,092	327,781	8.8
82-83	0.075522	34,779	2,627	33,466	291,689	8.4
83-84	0.084907	32,153	2,730	30,788	258,223	8.0
84-85	0.079891	29,423	2,351	28,247	227,436	7.7
85-86	0.085633	27,072	2,318	25,913	199,188	7.4
86-87	0.091740	24,754	2,271	23,618	173,275	7.0
87-88	0.098228	22,483	2,208	21,379	149,657	6.7
88-89	0.105114	20,274	2,131	19,209	128,279	6.3
89-90	0.112413	18,143	2,040	17,123	109,070	6.0
90-91	0.120139	16,104	1,935	15,136	91,946	5.7
91-92	0.128307	14,169	1,818	13,260	76,810	5.4
92-93	0.136929	12,351	1,691	11,505	63,550	5.1
93-94	0.146018	10,660	1,557	9,882	52,044	4.9
94-95	0.155583	9,103	1,416	8,395	42,163	4.6
95-96	0.165632	7,687	1,273	7,050	33,768	4.4
96-97	0.176171	6,414	1,130	5,849	26,717	4.2
97-98	0.187204	5,284	989	4,789	20,868	3.9
98-99	0.198731	4,295	853	3,868	16,079	3.7
99-100	0.210751	3,441	725	3,079	12,211	3.5
<u>100+</u>	1.00000	2,716	2,716	9,133	9,133	3.4

Table 8. Life table for black males: United States, 2003

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	between	between	person-years	of life
	ages x to x+1	age x	ages x to x+1	ages x to x+1	lived above	at age x
	$q(x)$	$l(x)$	$d(x)$	$L(x)$	age x	$e(x)$
					$T(x)$	
0-1	0.015565	100,000	1,557	98,616	6,901,792	69.0
1-2	0.000845	98,443	83	98,402	6,803,176	69.1
2-3	0.000530	98,360	52	98,334	6,704,774	68.2
3-4	0.000455	98,308	45	98,286	6,606,440	67.2
4-5	0.000299	98,263	29	98,249	6,508,154	66.2
5-6	0.000247	98,234	24	98,222	6,409,906	65.3
6-7	0.000209	98,210	21	98,199	6,311,684	64.3
7-8	0.000215	98,189	21	98,179	6,213,484	63.3
8-9	0.000225	98,168	22	98,157	6,115,306	62.3
9-10	0.000188	98,146	18	98,137	6,017,149	61.3
10-11	0.000287	98,128	28	98,113	5,919,012	60.3
11-12	0.000246	98,099	24	98,087	5,820,898	59.3
12-13	0.000295	98,075	29	98,061	5,722,811	58.4
13-14	0.000324	98,046	32	98,030	5,624,750	57.4
14-15	0.000422	98,015	41	97,994	5,526,720	56.4
15-16	0.000544	97,973	53	97,947	5,428,726	55.4
16-17	0.000903	97,920	88	97,876	5,330,779	54.4
17-18	0.001065	97,832	104	97,779	5,232,903	53.5
18-19	0.001670	97,727	163	97,646	5,135,124	52.5
19-20	0.001907	97,564	186	97,471	5,037,478	51.6
20-21	0.002127	97,378	207	97,275	4,940,007	50.7
21-22	0.001982	97,171	193	97,075	4,842,732	49.8
22-23	0.002236	96,978	217	96,870	4,745,658	48.9
23-24	0.002472	96,762	239	96,642	4,648,788	48.0
24-25	0.002417	96,522	233	96,406	4,552,146	47.2
25-26	0.002385	96,289	230	96,174	4,455,740	46.3
26-27	0.002633	96,059	253	95,933	4,359,566	45.4
27-28	0.002600	95,806	249	95,682	4,263,633	44.5
28-29	0.002325	95,557	222	95,446	4,167,951	43.6
29-30	0.002532	95,335	241	95,215	4,072,505	42.7
30-31	0.002470	95,094	235	94,976	3,977,290	41.8
31-32	0.002462	94,859	233	94,742	3,882,314	40.9
32-33	0.002746	94,625	260	94,496	3,787,572	40.0
33-34	0.002700	94,366	255	94,238	3,693,076	39.1
34-35	0.002724	94,111	256	93,983	3,598,838	38.2
35-36	0.003071	93,855	288	93,710	3,504,855	37.3

36-37	0.003242	93,566	303	93,415	3,411,145	36.5
37-38	0.003312	93,263	309	93,109	3,317,730	35.6
38-39	0.003644	92,954	339	92,785	3,224,622	34.7
39-40	0.003886	92,615	360	92,435	3,131,837	33.8
40-41	0.003963	92,255	366	92,073	3,039,401	32.9
41-42	0.004705	91,890	432	91,674	2,947,329	32.1
42-43	0.005239	91,458	479	91,218	2,855,655	31.2
43-44	0.005520	90,978	502	90,727	2,764,437	30.4
44-45	0.005887	90,476	533	90,210	2,673,710	29.6
45-46	0.006318	89,944	568	89,659	2,583,500	28.7
46-47	0.007485	89,375	669	89,041	2,493,841	27.9
47-48	0.007869	88,706	698	88,357	2,404,800	27.1
48-49	0.008889	88,008	782	87,617	2,316,442	26.3
49-50	0.009613	87,226	839	86,807	2,228,825	25.6
50-51	0.010723	86,387	926	85,924	2,142,019	24.8
51-52	0.011657	85,461	996	84,963	2,056,094	24.1
52-53	0.012618	84,465	1,066	83,932	1,971,131	23.3
53-54	0.012323	83,399	1,028	82,885	1,887,199	22.6
54-55	0.013947	82,372	1,149	81,797	1,804,314	21.9
55-56	0.015022	81,223	1,220	80,613	1,722,516	21.2
56-57	0.015829	80,003	1,266	79,369	1,641,904	20.5
57-58	0.015813	78,736	1,245	78,114	1,562,534	19.8
58-59	0.018379	77,491	1,424	76,779	1,484,421	19.2
59-60	0.019661	76,067	1,496	75,319	1,407,642	18.5
60-61	0.021845	74,571	1,629	73,757	1,332,323	17.9
61-62	0.022103	72,942	1,612	72,136	1,258,566	17.3
62-63	0.025362	71,330	1,809	70,426	1,186,429	16.6
63-64	0.024936	69,521	1,734	68,654	1,116,004	16.1
64-65	0.027941	67,787	1,894	66,840	1,047,350	15.5
65-66	0.029100	65,893	1,917	64,935	980,509	14.9
66-67	0.029706	63,976	1,900	63,026	915,575	14.3
67-68	0.032779	62,075	2,035	61,058	852,549	13.7
68-69	0.034260	60,041	2,057	59,012	791,491	13.2
69-70	0.039357	57,984	2,282	56,843	732,479	12.6
70-71	0.039731	55,702	2,213	54,595	675,636	12.1
71-72	0.044701	53,489	2,391	52,293	621,041	11.6
72-73	0.048649	51,098	2,486	49,855	568,748	11.1
73-74	0.051472	48,612	2,502	47,361	518,893	10.7
74-75	0.054279	46,110	2,503	44,858	471,532	10.2
75-76	0.058834	43,607	2,566	42,324	426,674	9.8
76-77	0.064356	41,041	2,641	39,721	384,350	9.4

77-78	0.068245	38,400	2,621	37,090	344,629	9.0
78-79	0.072459	35,779	2,593	34,483	307,539	8.6
79-80	0.076324	33,187	2,533	31,920	273,056	8.2
80-81	0.084924	30,654	2,603	29,352	241,136	7.9
81-82	0.089866	28,051	2,521	26,790	211,783	7.6
82-83	0.093623	25,530	2,390	24,335	184,993	7.2
83-84	0.107130	23,140	2,479	21,900	160,658	6.9
84-85	0.097914	20,661	2,023	19,649	138,758	6.7
85-86	0.104606	18,638	1,950	17,663	119,109	6.4
86-87	0.111689	16,688	1,864	15,756	101,446	6.1
87-88	0.119176	14,824	1,767	13,941	85,690	5.8
88-89	0.127078	13,058	1,659	12,228	71,749	5.5
89-90	0.135409	11,398	1,543	10,627	59,521	5.2
90-91	0.144178	9,855	1,421	9,144	48,894	5.0
91-92	0.153394	8,434	1,294	7,787	39,750	4.7
92-93	0.163065	7,140	1,164	6,558	31,963	4.5
93-94	0.173195	5,976	1,035	5,458	25,405	4.3
94-95	0.183788	4,941	908	4,487	19,946	4.0
95-96	0.194845	4,033	786	3,640	15,459	3.8
96-97	0.206363	3,247	670	2,912	11,819	3.6
97-98	0.218337	2,577	563	2,296	8,907	3.5
98-99	0.230760	2,014	465	1,782	6,612	3.3
99-100	0.243620	1,550	377	1,361	4,830	3.1
<u>100+</u>	1.00000	1,172	1,172	3,469	3,469	3.0

Table 9. Life table for black females: United States, 2003

Age	Probability of dying between ages x to x+1 $q(x)$	Number surviving to age x $l(x)$	Number dying between ages x to x+1 $d(x)$	Person-years lived between ages x to x+1 $L(x)$	Total number of person-years lived above age x $T(x)$	Expectation of life at age x $e(x)$
0-1	0.012449	100,000	1,245	98,896	7,608,447	76.1
1-2	0.000597	98,755	59	98,726	7,509,551	76.0
2-3	0.000446	98,696	44	98,674	7,410,826	75.1
3-4	0.000336	98,652	33	98,636	7,312,152	74.1
4-5	0.000190	98,619	19	98,610	7,213,516	73.1
5-6	0.000208	98,600	20	98,590	7,114,906	72.2
6-7	0.000202	98,580	20	98,570	7,016,317	71.2
7-8	0.000169	98,560	17	98,551	6,917,747	70.2
8-9	0.000164	98,543	16	98,535	6,819,195	69.2
9-10	0.000149	98,527	15	98,520	6,720,660	68.2
10-11	0.000203	98,512	20	98,502	6,622,141	67.2
11-12	0.000214	98,492	21	98,482	6,523,638	66.2
12-13	0.000189	98,471	19	98,462	6,425,157	65.2
13-14	0.000199	98,453	20	98,443	6,326,695	64.3
14-15	0.000187	98,433	18	98,424	6,228,252	63.3
15-16	0.000235	98,415	23	98,403	6,129,828	62.3
16-17	0.000284	98,391	28	98,378	6,031,425	61.3
17-18	0.000369	98,364	36	98,345	5,933,048	60.3
18-19	0.000509	98,327	50	98,302	5,834,702	59.3
19-20	0.000504	98,277	50	98,253	5,736,400	58.4
20-21	0.000727	98,228	71	98,192	5,638,147	57.4
21-22	0.000630	98,156	62	98,125	5,539,955	56.4
22-23	0.000714	98,095	70	98,060	5,441,830	55.5
23-24	0.000722	98,025	71	97,989	5,343,770	54.5
24-25	0.000737	97,954	72	97,918	5,245,781	53.6
25-26	0.000718	97,882	70	97,846	5,147,864	52.6
26-27	0.000937	97,811	92	97,765	5,050,017	51.6
27-28	0.001023	97,720	100	97,670	4,952,252	50.7
28-29	0.000854	97,620	83	97,578	4,854,582	49.7
29-30	0.001160	97,536	113	97,480	4,757,004	48.8
30-31	0.001139	97,423	111	97,368	4,659,525	47.8
31-32	0.001126	97,312	110	97,257	4,562,157	46.9
32-33	0.001279	97,202	124	97,140	4,464,900	45.9
33-34	0.001422	97,078	138	97,009	4,367,759	45.0
34-35	0.001647	96,940	160	96,860	4,270,750	44.1
35-36	0.001844	96,781	178	96,691	4,173,890	43.1

36-37	0.001986	96,602	192	96,506	4,077,199	42.2
37-38	0.002109	96,410	203	96,309	3,980,692	41.3
38-39	0.002202	96,207	212	96,101	3,884,384	40.4
39-40	0.002460	95,995	236	95,877	3,788,283	39.5
40-41	0.002871	95,759	275	95,621	3,692,406	38.6
41-42	0.002973	95,484	284	95,342	3,596,784	37.7
42-43	0.003223	95,200	307	95,047	3,501,442	36.8
43-44	0.003238	94,893	307	94,740	3,406,396	35.9
44-45	0.003945	94,586	373	94,399	3,311,656	35.0
45-46	0.004126	94,213	389	94,019	3,217,256	34.1
46-47	0.004746	93,824	445	93,602	3,123,238	33.3
47-48	0.004806	93,379	449	93,155	3,029,636	32.4
48-49	0.005202	92,930	483	92,688	2,936,482	31.6
49-50	0.005496	92,447	508	92,193	2,843,793	30.8
50-51	0.005977	91,939	550	91,664	2,751,601	29.9
51-52	0.006623	91,389	605	91,086	2,659,937	29.1
52-53	0.007056	90,784	641	90,464	2,568,850	28.3
53-54	0.007116	90,143	641	89,823	2,478,387	27.5
54-55	0.008122	89,502	727	89,138	2,388,564	26.7
55-56	0.008437	88,775	749	88,400	2,299,426	25.9
56-57	0.009196	88,026	809	87,621	2,211,025	25.1
57-58	0.009350	87,216	815	86,809	2,123,404	24.3
58-59	0.010629	86,401	918	85,942	2,036,595	23.6
59-60	0.011240	85,483	961	85,002	1,950,653	22.8
60-61	0.012912	84,522	1,091	83,976	1,865,651	22.1
61-62	0.012959	83,430	1,081	82,890	1,781,675	21.4
62-63	0.014712	82,349	1,212	81,744	1,698,785	20.6
63-64	0.015222	81,138	1,235	80,520	1,617,042	19.9
64-65	0.016615	79,903	1,328	79,239	1,536,521	19.2
65-66	0.017992	78,575	1,414	77,868	1,457,283	18.5
66-67	0.018496	77,161	1,427	76,448	1,379,414	17.9
67-68	0.021004	75,734	1,591	74,939	1,302,966	17.2
68-69	0.021088	74,144	1,564	73,362	1,228,027	16.6
69-70	0.023169	72,580	1,682	71,739	1,154,666	15.9
70-71	0.025680	70,898	1,821	69,988	1,082,926	15.3
71-72	0.027320	69,078	1,887	68,134	1,012,938	14.7
72-73	0.029868	67,191	2,007	66,187	944,804	14.1
73-74	0.032354	65,184	2,109	64,129	878,617	13.5
74-75	0.034390	63,075	2,169	61,990	814,488	12.9
75-76	0.037180	60,906	2,264	59,773	752,497	12.4
76-77	0.040791	58,641	2,392	57,445	692,724	11.8

77-78	0.044860	56,249	2,523	54,987	635,279	11.3
78-79	0.046910	53,726	2,520	52,466	580,291	10.8
79-80	0.051881	51,206	2,657	49,877	527,826	10.3
80-81	0.055483	48,549	2,694	47,202	477,949	9.8
81-82	0.059399	45,855	2,724	44,493	430,746	9.4
82-83	0.065966	43,132	2,845	41,709	386,253	9.0
83-84	0.073760	40,286	2,972	38,801	344,544	8.6
84-85	0.070860	37,315	2,644	35,993	305,744	8.2
85-86	0.076476	34,671	2,651	33,345	269,751	7.8
86-87	0.082494	32,019	2,641	30,698	236,406	7.4
87-88	0.088932	29,378	2,613	28,071	205,708	7.0
88-89	0.095813	26,765	2,564	25,483	177,636	6.6
89-90	0.103157	24,201	2,496	22,952	152,153	6.3
90-91	0.110985	21,704	2,409	20,500	129,201	6.0
91-92	0.119316	19,295	2,302	18,144	108,701	5.6
92-93	0.128169	16,993	2,178	15,904	90,556	5.3
93-94	0.137561	14,815	2,038	13,796	74,652	5.0
94-95	0.147506	12,777	1,885	11,835	60,856	4.8
95-96	0.158019	10,892	1,721	10,032	49,021	4.5
96-97	0.169109	9,171	1,551	8,396	38,989	4.3
97-98	0.180783	7,620	1,378	6,931	30,594	4.0
98-99	0.193046	6,243	1,205	5,640	23,662	3.8
99-100	0.205897	5,038	1,037	4,519	18,022	3.6
<u>100+</u>	1.00000	4,000	4,000	13,503	13,503	3.4