

United States Life Tables, 2002

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, 2002

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	0.006971	100,000	697	99,389	7,725,787	77.3
1-2	0.000472	99,303	47	99,279	7,626,399	76.8
2-3	0.000324	99,256	32	99,240	7,527,119	75.8
3-4	0.000239	99,224	24	99,212	7,427,879	74.9
4-5	0.000203	99,200	20	99,190	7,328,667	73.9
5-6	0.000176	99,180	17	99,171	7,229,477	72.9
6-7	0.000144	99,163	14	99,155	7,130,306	71.9
7-8	0.000142	99,148	14	99,141	7,031,151	70.9
8-9	0.000152	99,134	15	99,127	6,932,009	69.9
9-10	0.000145	99,119	14	99,112	6,832,883	68.9
10-11	0.000151	99,105	15	99,097	6,733,771	67.9
11-12	0.000153	99,090	15	99,082	6,634,674	67.0
12-13	0.000186	99,075	18	99,065	6,535,592	66.0
13-14	0.000225	99,056	22	99,045	6,436,526	65.0
14-15	0.000266	99,034	26	99,021	6,337,481	64.0
15-16	0.000346	99,008	34	98,990	6,238,460	63.0
16-17	0.000573	98,973	57	98,945	6,139,470	62.0
17-18	0.000680	98,917	67	98,883	6,040,525	61.1
18-19	0.000849	98,849	84	98,807	5,941,642	60.1
19-20	0.000942	98,765	93	98,719	5,842,835	59.2
20-21	0.000934	98,672	92	98,626	5,744,116	58.2
21-22	0.000985	98,580	97	98,532	5,645,490	57.3
22-23	0.000939	98,483	93	98,437	5,546,958	56.3
23-24	0.000949	98,391	93	98,344	5,448,521	55.4
24-25	0.000948	98,297	93	98,251	5,350,177	54.4
25-26	0.000930	98,204	91	98,158	5,251,927	53.5
26-27	0.000953	98,113	94	98,066	5,153,768	52.5
27-28	0.000913	98,019	90	97,974	5,055,703	51.6
28-29	0.000940	97,930	92	97,884	4,957,728	50.6
29-30	0.000994	97,838	97	97,789	4,859,845	49.7
30-31	0.001024	97,740	100	97,690	4,762,056	48.7
31-32	0.001063	97,640	104	97,588	4,664,365	47.8
32-33	0.001061	97,536	104	97,485	4,566,777	46.8
33-34	0.001185	97,433	115	97,375	4,469,293	45.9
34-35	0.001251	97,317	122	97,257	4,371,917	44.9

35-36	0.001369	97,196	133	97,129	4,274,661	44.0
36-37	0.001454	97,063	141	96,992	4,177,532	43.0
37-38	0.001568	96,922	152	96,846	4,080,540	42.1
38-39	0.001718	96,770	166	96,686	3,983,694	41.2
39-40	0.001913	96,603	185	96,511	3,887,008	40.2
40-41	0.002072	96,419	200	96,319	3,790,497	39.3
41-42	0.002236	96,219	215	96,111	3,694,178	38.4
42-43	0.002357	96,004	226	95,890	3,598,067	37.5
43-44	0.002634	95,777	252	95,651	3,502,177	36.6
44-45	0.002826	95,525	270	95,390	3,406,525	35.7
45-46	0.003061	95,255	292	95,109	3,311,135	34.8
46-47	0.003301	94,964	313	94,807	3,216,026	33.9
47-48	0.003509	94,650	332	94,484	3,121,219	33.0
48-49	0.003888	94,318	367	94,135	3,026,735	32.1
49-50	0.004134	93,951	388	93,757	2,932,600	31.2
50-51	0.004422	93,563	414	93,356	2,838,843	30.3
51-52	0.004822	93,149	449	92,925	2,745,487	29.5
52-53	0.005003	92,700	464	92,468	2,652,563	28.6
53-54	0.005549	92,236	512	91,980	2,560,094	27.8
54-55	0.005845	91,724	536	91,456	2,468,114	26.9
55-56	0.006719	91,188	613	90,882	2,376,658	26.1
56-57	0.006616	90,576	599	90,276	2,285,776	25.2
57-58	0.007621	89,976	686	89,634	2,195,500	24.4
58-59	0.008344	89,291	745	88,918	2,105,866	23.6
59-60	0.009429	88,546	835	88,128	2,016,948	22.8
60-61	0.009747	87,711	855	87,283	1,928,820	22.0
61-62	0.010877	86,856	945	86,384	1,841,536	21.2
62-63	0.011905	85,911	1,023	85,400	1,755,153	20.4
63-64	0.012956	84,888	1,100	84,338	1,669,753	19.7
64-65	0.014099	83,789	1,181	83,198	1,585,414	18.9
65-66	0.015308	82,607	1,265	81,975	1,502,217	18.2
66-67	0.016474	81,343	1,340	80,673	1,420,242	17.5
67-68	0.018214	80,003	1,457	79,274	1,339,569	16.7
68-69	0.019623	78,545	1,541	77,775	1,260,295	16.0
69-70	0.021672	77,004	1,669	76,170	1,182,520	15.4
70-71	0.023635	75,335	1,781	74,445	1,106,350	14.7
71-72	0.025641	73,555	1,886	72,612	1,031,905	14.0
72-73	0.027663	71,669	1,983	70,678	959,294	13.4
73-74	0.030539	69,686	2,128	68,622	888,616	12.8
74-75	0.033276	67,558	2,248	66,434	819,994	12.1
75-76	0.036582	65,310	2,389	64,115	753,560	11.5
76-77	0.039775	62,921	2,503	61,670	689,444	11.0

77-78	0.043338	60,418	2,618	59,109	627,775	10.4
78-79	0.047219	57,800	2,729	56,435	568,666	9.8
79-80	0.052518	55,071	2,892	53,624	512,230	9.3
80-81	0.057603	52,178	3,006	50,676	458,606	8.8
81-82	0.062260	49,173	3,061	47,642	407,930	8.3
82-83	0.071461	46,111	3,295	44,464	360,288	7.8
83-84	0.073437	42,816	3,144	41,244	315,825	7.4
84-85	0.084888	39,672	3,368	37,988	274,581	6.9
85-86	0.093123	36,304	3,381	34,614	236,593	6.5
86-87	0.101914	32,923	3,355	31,246	201,979	6.1
87-88	0.111270	29,568	3,290	27,923	170,733	5.8
88-89	0.121196	26,278	3,185	24,686	142,810	5.4
89-90	0.131694	23,093	3,041	21,573	118,125	5.1
90-91	0.142761	20,052	2,863	18,621	96,552	4.8
91-92	0.154390	17,189	2,654	15,862	77,931	4.5
92-93	0.166569	14,535	2,421	13,325	62,069	4.3
93-94	0.179282	12,114	2,172	11,028	48,744	4.0
94-95	0.192507	9,942	1,914	8,985	37,716	3.8
95-96	0.206215	8,028	1,656	7,201	28,730	3.6
96-97	0.220375	6,373	1,404	5,671	21,530	3.4
97-98	0.234947	4,968	1,167	4,385	15,859	3.2
98-99	0.249887	3,801	950	3,326	11,474	3.0
99-100	0.265146	2,851	756	2,473	8,148	2.9
<u>100+</u>	1.000000	2,095	2,095	5,675	5,675	2.7

Table 2. Life table for males: United States, 2002

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	0.007639	100,000	764	99,332	7,454,202	74.5
1-2	0.000525	99,236	52	99,210	7,354,870	74.1
2-3	0.000366	99,184	36	99,166	7,255,660	73.2
3-4	0.000275	99,148	27	99,134	7,156,494	72.2
4-5	0.000234	99,120	23	99,109	7,057,360	71.2
5-6	0.000188	99,097	19	99,088	6,958,251	70.2
6-7	0.000161	99,079	16	99,071	6,859,163	69.2
7-8	0.000160	99,063	16	99,055	6,760,093	68.2
8-9	0.000169	99,047	17	99,038	6,661,038	67.3
9-10	0.000158	99,030	16	99,022	6,562,000	66.3
10-11	0.000175	99,014	17	99,006	6,462,977	65.3
11-12	0.000176	98,997	17	98,988	6,363,972	64.3
12-13	0.000224	98,980	22	98,969	6,264,983	63.3
13-14	0.000262	98,957	26	98,944	6,166,015	62.3
14-15	0.000319	98,932	32	98,916	6,067,070	61.3
15-16	0.000435	98,900	43	98,878	5,968,155	60.3
16-17	0.000749	98,857	74	98,820	5,869,276	59.4
17-18	0.000908	98,783	90	98,738	5,770,456	58.4
18-19	0.001211	98,693	119	98,633	5,671,718	57.5
19-20	0.001396	98,574	138	98,505	5,573,085	56.5
20-21	0.001389	98,436	137	98,368	5,474,580	55.6
21-22	0.001445	98,299	142	98,228	5,376,212	54.7
22-23	0.001390	98,157	136	98,089	5,277,984	53.8
23-24	0.001421	98,021	139	97,951	5,179,895	52.8
24-25	0.001390	97,882	136	97,814	5,081,943	51.9
25-26	0.001345	97,746	131	97,680	4,984,130	51.0
26-27	0.001380	97,614	135	97,547	4,886,450	50.1
27-28	0.001305	97,479	127	97,416	4,788,903	49.1
28-29	0.001305	97,352	127	97,289	4,691,487	48.2
29-30	0.001381	97,225	134	97,158	4,594,199	47.3
30-31	0.001408	97,091	137	97,023	4,497,041	46.3
31-32	0.001454	96,954	141	96,884	4,400,018	45.4
32-33	0.001392	96,813	135	96,746	4,303,134	44.4
33-34	0.001577	96,678	152	96,602	4,206,388	43.5
34-35	0.001644	96,526	159	96,447	4,109,786	42.6

35-36	0.001778	96,367	171	96,282	4,013,340	41.6
36-37	0.001872	96,196	180	96,106	3,917,058	40.7
37-38	0.002012	96,016	193	95,919	3,820,952	39.8
38-39	0.002219	95,823	213	95,716	3,725,033	38.9
39-40	0.002396	95,610	229	95,495	3,629,316	38.0
40-41	0.002656	95,381	253	95,254	3,533,821	37.0
41-42	0.002828	95,128	269	94,993	3,438,567	36.1
42-43	0.002969	94,859	282	94,718	3,343,574	35.2
43-44	0.003284	94,577	311	94,422	3,248,856	34.4
44-45	0.003577	94,266	337	94,098	3,154,434	33.5
45-46	0.003837	93,929	360	93,749	3,060,336	32.6
46-47	0.004251	93,569	398	93,370	2,966,588	31.7
47-48	0.004464	93,171	416	92,963	2,873,218	30.8
48-49	0.004950	92,755	459	92,525	2,780,255	30.0
49-50	0.005278	92,296	487	92,052	2,687,729	29.1
50-51	0.005699	91,809	523	91,547	2,595,677	28.3
51-52	0.006177	91,286	564	91,004	2,504,130	27.4
52-53	0.006429	90,722	583	90,430	2,413,126	26.6
53-54	0.007023	90,138	633	89,822	2,322,696	25.8
54-55	0.007324	89,505	656	89,178	2,232,874	24.9
55-56	0.008418	88,850	748	88,476	2,143,696	24.1
56-57	0.008317	88,102	733	87,736	2,055,220	23.3
57-58	0.009468	87,369	827	86,956	1,967,485	22.5
58-59	0.010380	86,542	898	86,093	1,880,529	21.7
59-60	0.011759	85,644	1,007	85,140	1,794,436	21.0
60-61	0.012102	84,637	1,024	84,124	1,709,296	20.2
61-62	0.013509	83,612	1,129	83,048	1,625,172	19.4
62-63	0.014882	82,483	1,227	81,869	1,542,124	18.7
63-64	0.016114	81,255	1,309	80,601	1,460,255	18.0
64-65	0.017381	79,946	1,390	79,251	1,379,655	17.3
65-66	0.018911	78,556	1,486	77,814	1,300,403	16.6
66-67	0.020372	77,071	1,570	76,286	1,222,590	15.9
67-68	0.022407	75,501	1,692	74,655	1,146,304	15.2
68-69	0.024342	73,809	1,797	72,911	1,071,649	14.5
69-70	0.026741	72,012	1,926	71,050	998,738	13.9
70-71	0.029215	70,087	2,048	69,063	927,688	13.2
71-72	0.031974	68,039	2,176	66,951	858,626	12.6
72-73	0.034055	65,864	2,243	64,742	791,674	12.0
73-74	0.038019	63,621	2,419	62,411	726,932	11.4
74-75	0.041207	61,202	2,522	59,941	664,521	10.9
75-76	0.045193	58,680	2,652	57,354	604,580	10.3
76-77	0.049570	56,028	2,777	54,639	547,226	9.8

77-78	0.053571	53,251	2,853	51,824	492,586	9.3
78-79	0.058418	50,398	2,944	48,926	440,762	8.7
79-80	0.064983	47,454	3,084	45,912	391,836	8.3
80-81	0.070275	44,370	3,118	42,811	345,924	7.8
81-82	0.076358	41,252	3,150	39,677	303,113	7.3
82-83	0.086728	38,102	3,305	36,450	263,436	6.9
83-84	0.088481	34,798	3,079	33,258	226,986	6.5
84-85	0.102159	31,719	3,240	30,098	193,728	6.1
85-86	0.111749	28,478	3,182	26,887	163,630	5.7
86-87	0.121909	25,296	3,084	23,754	136,742	5.4
87-88	0.132632	22,212	2,946	20,739	112,988	5.1
88-89	0.143909	19,266	2,773	17,880	92,249	4.8
89-90	0.155721	16,494	2,568	15,209	74,370	4.5
90-91	0.168047	13,925	2,340	12,755	59,160	4.2
91-92	0.180858	11,585	2,095	10,537	46,405	4.0
92-93	0.194119	9,490	1,842	8,569	35,868	3.8
93-94	0.207788	7,648	1,589	6,853	27,299	3.6
94-95	0.221818	6,059	1,344	5,387	20,446	3.4
95-96	0.236154	4,715	1,113	4,158	15,059	3.2
96-97	0.250737	3,601	903	3,150	10,901	3.0
97-98	0.265499	2,698	716	2,340	7,752	2.9
98-99	0.280370	1,982	556	1,704	5,411	2.7
99-100	0.295272	1,426	421	1,216	3,707	2.6
100+	1.000000	1,005	1,005	2,492	2,492	2.5

Table 3. Life table for females: United States, 2002

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	0.006271	100,000	627	99,449	7,985,456	79.9
1-2	0.000418	99,373	42	99,352	7,886,007	79.4
2-3	0.000281	99,331	28	99,317	7,786,655	78.4
3-4	0.000201	99,303	20	99,294	7,687,338	77.4
4-5	0.000170	99,284	17	99,275	7,588,044	76.4
5-6	0.000163	99,267	16	99,259	7,488,769	75.4
6-7	0.000127	99,250	13	99,244	7,389,510	74.5
7-8	0.000123	99,238	12	99,232	7,290,266	73.5
8-9	0.000133	99,226	13	99,219	7,191,034	72.5
9-10	0.000132	99,212	13	99,206	7,091,815	71.5
10-11	0.000126	99,199	12	99,193	6,992,610	70.5
11-12	0.000130	99,187	13	99,180	6,893,416	69.5
12-13	0.000145	99,174	14	99,167	6,794,236	68.5
13-14	0.000186	99,160	18	99,150	6,695,069	67.5
14-15	0.000210	99,141	21	99,131	6,595,919	66.5
15-16	0.000253	99,120	25	99,108	6,496,788	65.5
16-17	0.000389	99,095	39	99,076	6,397,680	64.6
17-18	0.000440	99,057	44	99,035	6,298,604	63.6
18-19	0.000466	99,013	46	98,990	6,199,569	62.6
19-20	0.000457	98,967	45	98,945	6,100,578	61.6
20-21	0.000454	98,922	45	98,899	6,001,634	60.7
21-22	0.000502	98,877	50	98,852	5,902,734	59.7
22-23	0.000467	98,827	46	98,804	5,803,882	58.7
23-24	0.000453	98,781	45	98,759	5,705,078	57.8
24-25	0.000486	98,736	48	98,712	5,606,319	56.8
25-26	0.000498	98,688	49	98,664	5,507,607	55.8
26-27	0.000510	98,639	50	98,614	5,408,943	54.8
27-28	0.000507	98,589	50	98,564	5,310,329	53.9
28-29	0.000565	98,539	56	98,511	5,211,765	52.9
29-30	0.000599	98,483	59	98,454	5,113,253	51.9
30-31	0.000632	98,424	62	98,393	5,014,800	51.0
31-32	0.000668	98,362	66	98,329	4,916,406	50.0
32-33	0.000724	98,296	71	98,261	4,818,077	49.0
33-34	0.000786	98,225	77	98,187	4,719,816	48.1
34-35	0.000853	98,148	84	98,106	4,621,630	47.1

35-36	0.000958	98,064	94	98,017	4,523,524	46.1
36-37	0.001034	97,970	101	97,920	4,425,506	45.2
37-38	0.001120	97,869	110	97,814	4,327,586	44.2
38-39	0.001221	97,759	119	97,700	4,229,772	43.3
39-40	0.001433	97,640	140	97,570	4,132,072	42.3
40-41	0.001493	97,500	146	97,427	4,034,502	41.4
41-42	0.001653	97,355	161	97,274	3,937,075	40.4
42-43	0.001750	97,194	170	97,108	3,839,801	39.5
43-44	0.001995	97,023	194	96,927	3,742,693	38.6
44-45	0.002091	96,830	202	96,729	3,645,766	37.7
45-46	0.002304	96,627	223	96,516	3,549,037	36.7
46-47	0.002376	96,405	229	96,290	3,452,521	35.8
47-48	0.002577	96,176	248	96,052	3,356,231	34.9
48-49	0.002859	95,928	274	95,791	3,260,179	34.0
49-50	0.003031	95,654	290	95,509	3,164,389	33.1
50-51	0.003194	95,364	305	95,211	3,068,880	32.2
51-52	0.003522	95,059	335	94,892	2,973,669	31.3
52-53	0.003634	94,724	344	94,552	2,878,777	30.4
53-54	0.004142	94,380	391	94,185	2,784,225	29.5
54-55	0.004434	93,989	417	93,781	2,690,040	28.6
55-56	0.005100	93,572	477	93,334	2,596,260	27.7
56-57	0.005006	93,095	466	92,862	2,502,926	26.9
57-58	0.005886	92,629	545	92,357	2,410,064	26.0
58-59	0.006441	92,084	593	91,787	2,317,707	25.2
59-60	0.007266	91,491	665	91,158	2,225,920	24.3
60-61	0.007576	90,826	688	90,482	2,134,761	23.5
61-62	0.008476	90,138	764	89,756	2,044,279	22.7
62-63	0.009201	89,374	822	88,963	1,954,523	21.9
63-64	0.010101	88,552	894	88,104	1,865,561	21.1
64-65	0.011149	87,657	977	87,169	1,777,456	20.3
65-66	0.012107	86,680	1,049	86,155	1,690,288	19.5
66-67	0.013059	85,631	1,118	85,071	1,604,132	18.7
67-68	0.014571	84,512	1,231	83,897	1,519,061	18.0
68-69	0.015591	83,281	1,298	82,632	1,435,164	17.2
69-70	0.017396	81,982	1,426	81,269	1,352,533	16.5
70-71	0.018991	80,556	1,530	79,791	1,271,263	15.8
71-72	0.020454	79,026	1,616	78,218	1,191,472	15.1
72-73	0.022525	77,410	1,744	76,538	1,113,254	14.4
73-74	0.024633	75,666	1,864	74,734	1,036,716	13.7
74-75	0.027135	73,802	2,003	72,801	961,981	13.0
75-76	0.030098	71,800	2,161	70,719	889,180	12.4
76-77	0.032631	69,639	2,272	68,503	818,461	11.8

77-78	0.036094	67,366	2,432	66,151	749,958	11.1
78-79	0.039472	64,935	2,563	63,653	683,807	10.5
79-80	0.044110	62,372	2,751	60,996	620,154	9.9
80-81	0.049300	59,621	2,939	58,151	559,158	9.4
81-82	0.053298	56,681	3,021	55,171	501,007	8.8
82-83	0.062179	53,660	3,337	51,992	445,836	8.3
83-84	0.064550	50,324	3,248	48,700	393,844	7.8
84-85	0.075055	47,075	3,533	45,309	345,144	7.3
85-86	0.083221	43,542	3,624	41,730	299,836	6.9
86-87	0.091996	39,919	3,672	38,082	258,105	6.5
87-88	0.101390	36,246	3,675	34,409	220,023	6.1
88-89	0.111404	32,571	3,629	30,757	185,614	5.7
89-90	0.122037	28,943	3,532	27,177	154,857	5.4
90-91	0.133280	25,411	3,387	23,717	127,681	5.0
91-92	0.145119	22,024	3,196	20,426	103,964	4.7
92-93	0.157532	18,828	2,966	17,345	83,538	4.4
93-94	0.170488	15,862	2,704	14,510	66,193	4.2
94-95	0.183953	13,158	2,420	11,947	51,683	3.9
95-96	0.197880	10,737	2,125	9,675	39,736	3.7
96-97	0.212217	8,613	1,828	7,699	30,061	3.5
97-98	0.226905	6,785	1,540	6,015	22,363	3.3
98-99	0.241875	5,245	1,269	4,611	16,347	3.1
99-100	0.257053	3,977	1,022	3,465	11,737	3.0
<u>100+</u>	1.000000	2,954	2,954	8,271	8,271	2.8

Table 4. Life table for the white population: United States, 2002

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	0.005786	100,000	579	99,493	7,773,586	77.7
1-2	0.000426	99,421	42	99,400	7,674,093	77.2
2-3	0.000294	99,379	29	99,364	7,574,693	76.2
3-4	0.000217	99,350	22	99,339	7,475,329	75.2
4-5	0.000178	99,328	18	99,319	7,375,990	74.3
5-6	0.000164	99,311	16	99,302	7,276,670	73.3
6-7	0.000137	99,294	14	99,287	7,177,368	72.3
7-8	0.000134	99,281	13	99,274	7,078,080	71.3
8-9	0.000139	99,267	14	99,260	6,978,806	70.3
9-10	0.000129	99,254	13	99,247	6,879,546	69.3
10-11	0.000137	99,241	14	99,234	6,780,299	68.3
11-12	0.000137	99,227	14	99,220	6,681,065	67.3
12-13	0.000166	99,213	16	99,205	6,581,845	66.3
13-14	0.000214	99,197	21	99,186	6,482,639	65.4
14-15	0.000252	99,176	25	99,163	6,383,453	64.4
15-16	0.000339	99,151	34	99,134	6,284,290	63.4
16-17	0.000574	99,117	57	99,089	6,185,156	62.4
17-18	0.000673	99,060	67	99,027	6,086,067	61.4
18-19	0.000819	98,994	81	98,953	5,987,040	60.5
19-20	0.000907	98,913	90	98,868	5,888,087	59.5
20-21	0.000878	98,823	87	98,779	5,789,219	58.6
21-22	0.000925	98,736	91	98,690	5,690,440	57.6
22-23	0.000852	98,645	84	98,603	5,591,749	56.7
23-24	0.000873	98,561	86	98,518	5,493,147	55.7
24-25	0.000871	98,475	86	98,432	5,394,629	54.8
25-26	0.000843	98,389	83	98,347	5,296,197	53.8
26-27	0.000859	98,306	84	98,264	5,197,850	52.9
27-28	0.000804	98,221	79	98,182	5,099,586	51.9
28-29	0.000861	98,142	84	98,100	5,001,404	51.0
29-30	0.000881	98,058	86	98,015	4,903,304	50.0
30-31	0.000933	97,972	91	97,926	4,805,289	49.0
31-32	0.000962	97,880	94	97,833	4,707,363	48.1
32-33	0.000948	97,786	93	97,740	4,609,530	47.1
33-34	0.001089	97,693	106	97,640	4,511,791	46.2
34-35	0.001126	97,587	110	97,532	4,414,150	45.2

35-36	0.001222	97,477	119	97,417	4,316,618	44.3
36-37	0.001311	97,358	128	97,294	4,219,201	43.3
37-38	0.001441	97,230	140	97,160	4,121,907	42.4
38-39	0.001557	97,090	151	97,015	4,024,747	41.5
39-40	0.001762	96,939	171	96,854	3,927,732	40.5
40-41	0.001937	96,768	187	96,675	3,830,878	39.6
41-42	0.002060	96,581	199	96,481	3,734,204	38.7
42-43	0.002176	96,382	210	96,277	3,637,722	37.7
43-44	0.002422	96,172	233	96,056	3,541,445	36.8
44-45	0.002601	95,939	250	95,814	3,445,390	35.9
45-46	0.002813	95,690	269	95,555	3,349,575	35.0
46-47	0.003046	95,421	291	95,275	3,254,020	34.1
47-48	0.003221	95,130	306	94,977	3,158,745	33.2
48-49	0.003531	94,823	335	94,656	3,063,768	32.3
49-50	0.003790	94,489	358	94,310	2,969,112	31.4
50-51	0.004027	94,131	379	93,941	2,874,803	30.5
51-52	0.004408	93,752	413	93,545	2,780,862	29.7
52-53	0.004590	93,338	428	93,124	2,687,317	28.8
53-54	0.005134	92,910	477	92,671	2,594,193	27.9
54-55	0.005400	92,433	499	92,183	2,501,521	27.1
55-56	0.006281	91,934	577	91,645	2,409,338	26.2
56-57	0.006178	91,356	564	91,074	2,317,693	25.4
57-58	0.007171	90,792	651	90,466	2,226,619	24.5
58-59	0.007835	90,141	706	89,788	2,136,153	23.7
59-60	0.008929	89,434	799	89,035	2,046,365	22.9
60-61	0.009231	88,636	818	88,227	1,957,330	22.1
61-62	0.010338	87,818	908	87,364	1,869,103	21.3
62-63	0.011358	86,910	987	86,416	1,781,739	20.5
63-64	0.012422	85,923	1,067	85,389	1,695,323	19.7
64-65	0.013533	84,855	1,148	84,281	1,609,934	19.0
65-66	0.014755	83,707	1,235	83,089	1,525,653	18.2
66-67	0.015904	82,472	1,312	81,816	1,442,564	17.5
67-68	0.017714	81,160	1,438	80,441	1,360,748	16.8
68-69	0.019078	79,723	1,521	78,962	1,280,306	16.1
69-70	0.021107	78,202	1,651	77,376	1,201,344	15.4
70-71	0.023189	76,551	1,775	75,663	1,123,968	14.7
71-72	0.025066	74,776	1,874	73,839	1,048,304	14.0
72-73	0.027119	72,902	1,977	71,913	974,466	13.4
73-74	0.030071	70,925	2,133	69,858	902,553	12.7
74-75	0.032822	68,792	2,258	67,663	832,694	12.1
75-76	0.036095	66,534	2,402	65,333	765,032	11.5
76-77	0.039266	64,132	2,518	62,873	699,698	10.9

77-78	0.042885	61,614	2,642	60,293	636,825	10.3
78-79	0.046951	58,972	2,769	57,587	576,532	9.8
79-80	0.052171	56,203	2,932	54,737	518,945	9.2
80-81	0.057361	53,271	3,056	51,743	464,208	8.7
81-82	0.062294	50,215	3,128	48,651	412,465	8.2
82-83	0.071537	47,087	3,368	45,403	363,814	7.7
83-84	0.073624	43,719	3,219	42,109	318,411	7.3
84-85	0.085207	40,500	3,451	38,774	276,302	6.8
85-86	0.093581	37,049	3,467	35,315	237,528	6.4
86-87	0.102583	33,582	3,445	31,859	202,212	6.0
87-88	0.112237	30,137	3,382	28,446	170,353	5.7
88-89	0.122567	26,754	3,279	25,115	141,907	5.3
89-90	0.133593	23,475	3,136	21,907	116,792	5.0
90-91	0.145335	20,339	2,956	18,861	94,885	4.7
91-92	0.157808	17,383	2,743	16,012	76,024	4.4
92-93	0.171027	14,640	2,504	13,388	60,012	4.1
93-94	0.185002	12,136	2,245	11,014	46,624	3.8
94-95	0.199738	9,891	1,976	8,903	35,611	3.6
95-96	0.215239	7,915	1,704	7,063	26,708	3.4
96-97	0.231503	6,212	1,438	5,493	19,644	3.2
97-98	0.248522	4,774	1,186	4,180	14,152	3.0
98-99	0.266287	3,587	955	3,110	9,971	2.8
99-100	0.284780	2,632	750	2,257	6,861	2.6
<u>100+</u>	1.000000	1,882	1,882	4,604	4,604	2.4

Table 5. Life table for white males: United States, 2002

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	0.006417	100,000	642	99,439	7,510,519	75.1
1-2	0.000467	99,358	46	99,335	7,411,080	74.6
2-3	0.000328	99,312	33	99,296	7,311,745	73.6
3-4	0.000249	99,279	25	99,267	7,212,449	72.6
4-5	0.000209	99,255	21	99,244	7,113,182	71.7
5-6	0.000173	99,234	17	99,225	7,013,938	70.7
6-7	0.000155	99,217	15	99,209	6,914,713	69.7
7-8	0.000153	99,201	15	99,194	6,815,504	68.7
8-9	0.000150	99,186	15	99,179	6,716,310	67.7
9-10	0.000138	99,171	14	99,164	6,617,131	66.7
10-11	0.000161	99,157	16	99,150	6,517,967	65.7
11-12	0.000158	99,142	16	99,134	6,418,818	64.7
12-13	0.000202	99,126	20	99,116	6,319,684	63.8
13-14	0.000244	99,106	24	99,094	6,220,568	62.8
14-15	0.000296	99,082	29	99,067	6,121,475	61.8
15-16	0.000426	99,052	42	99,031	6,022,408	60.8
16-17	0.000734	99,010	73	98,974	5,923,376	59.8
17-18	0.000885	98,937	88	98,894	5,824,403	58.9
18-19	0.001151	98,850	114	98,793	5,725,509	57.9
19-20	0.001325	98,736	131	98,671	5,626,716	57.0
20-21	0.001294	98,605	128	98,541	5,528,046	56.1
21-22	0.001338	98,478	132	98,412	5,429,504	55.1
22-23	0.001253	98,346	123	98,284	5,331,093	54.2
23-24	0.001300	98,223	128	98,159	5,232,808	53.3
24-25	0.001257	98,095	123	98,033	5,134,650	52.3
25-26	0.001202	97,972	118	97,913	5,036,617	51.4
26-27	0.001233	97,854	121	97,793	4,938,704	50.5
27-28	0.001145	97,733	112	97,677	4,840,911	49.5
28-29	0.001173	97,621	115	97,564	4,743,233	48.6
29-30	0.001230	97,507	120	97,447	4,645,669	47.6
30-31	0.001290	97,387	126	97,324	4,548,223	46.7
31-32	0.001316	97,261	128	97,197	4,450,899	45.8
32-33	0.001252	97,133	122	97,072	4,353,702	44.8
33-34	0.001465	97,012	142	96,941	4,256,629	43.9
34-35	0.001482	96,869	144	96,798	4,159,689	42.9

35-36	0.001578	96,726	153	96,650	4,062,891	42.0
36-37	0.001683	96,573	163	96,492	3,966,241	41.1
37-38	0.001866	96,411	180	96,321	3,869,750	40.1
38-39	0.002025	96,231	195	96,133	3,773,429	39.2
39-40	0.002226	96,036	214	95,929	3,677,295	38.3
40-41	0.002507	95,822	240	95,702	3,581,366	37.4
41-42	0.002649	95,582	253	95,455	3,485,665	36.5
42-43	0.002772	95,329	264	95,196	3,390,209	35.6
43-44	0.003072	95,064	292	94,918	3,295,013	34.7
44-45	0.003350	94,772	317	94,614	3,200,094	33.8
45-46	0.003558	94,455	336	94,287	3,105,481	32.9
46-47	0.003962	94,119	373	93,932	3,011,194	32.0
47-48	0.004138	93,746	388	93,552	2,917,262	31.1
48-49	0.004527	93,358	423	93,147	2,823,710	30.2
49-50	0.004870	92,935	453	92,709	2,730,563	29.4
50-51	0.005229	92,483	484	92,241	2,637,854	28.5
51-52	0.005661	91,999	521	91,739	2,545,614	27.7
52-53	0.005912	91,478	541	91,208	2,453,875	26.8
53-54	0.006474	90,937	589	90,643	2,362,667	26.0
54-55	0.006755	90,349	610	90,043	2,272,024	25.1
55-56	0.007871	89,738	706	89,385	2,181,981	24.3
56-57	0.007766	89,032	691	88,686	2,092,596	23.5
57-58	0.008873	88,341	784	87,949	2,003,909	22.7
58-59	0.009717	87,557	851	87,131	1,915,961	21.9
59-60	0.011121	86,706	964	86,224	1,828,829	21.1
60-61	0.011375	85,742	975	85,254	1,742,606	20.3
61-62	0.012838	84,766	1,088	84,222	1,657,352	19.6
62-63	0.014135	83,678	1,183	83,087	1,573,130	18.8
63-64	0.015409	82,495	1,271	81,860	1,490,043	18.1
64-65	0.016620	81,224	1,350	80,549	1,408,183	17.3
65-66	0.018184	79,874	1,452	79,148	1,327,634	16.6
66-67	0.019668	78,422	1,542	77,651	1,248,486	15.9
67-68	0.021785	76,879	1,675	76,042	1,170,836	15.2
68-69	0.023639	75,205	1,778	74,316	1,094,794	14.6
69-70	0.026049	73,427	1,913	72,470	1,020,478	13.9
70-71	0.028633	71,514	2,048	70,490	948,008	13.3
71-72	0.031275	69,466	2,173	68,380	877,518	12.6
72-73	0.033339	67,294	2,244	66,172	809,138	12.0
73-74	0.037412	65,050	2,434	63,833	742,966	11.4
74-75	0.040664	62,617	2,546	61,344	679,132	10.8
75-76	0.044647	60,070	2,682	58,729	617,789	10.3
76-77	0.048946	57,388	2,809	55,984	559,059	9.7

77-78	0.053039	54,580	2,895	53,132	503,075	9.2
78-79	0.058065	51,685	3,001	50,184	449,943	8.7
79-80	0.064456	48,684	3,138	47,115	399,759	8.2
80-81	0.069812	45,546	3,180	43,956	352,644	7.7
81-82	0.076341	42,366	3,234	40,749	308,689	7.3
82-83	0.086981	39,132	3,404	37,430	267,940	6.8
83-84	0.088920	35,728	3,177	34,140	230,510	6.5
84-85	0.102473	32,551	3,336	30,883	196,370	6.0
85-86	0.112276	29,216	3,280	27,575	165,487	5.7
86-87	0.122723	25,935	3,183	24,344	137,911	5.3
87-88	0.133822	22,752	3,045	21,230	113,567	5.0
88-89	0.145577	19,708	2,869	18,273	92,337	4.7
89-90	0.157985	16,839	2,660	15,509	74,064	4.4
90-91	0.171043	14,178	2,425	12,966	58,556	4.1
91-92	0.184737	11,753	2,171	10,668	45,590	3.9
92-93	0.199051	9,582	1,907	8,628	34,922	3.6
93-94	0.213963	7,675	1,642	6,854	26,294	3.4
94-95	0.229442	6,033	1,384	5,341	19,440	3.2
95-96	0.245455	4,648	1,141	4,078	14,099	3.0
96-97	0.261957	3,507	919	3,048	10,021	2.9
97-98	0.278902	2,589	722	2,228	6,973	2.7
98-99	0.296235	1,867	553	1,590	4,746	2.5
99-100	0.313893	1,314	412	1,108	3,155	2.4
<u>100+</u>	1.000000	901	901	2,048	2,048	2.3

Table 6. Life table for white females: United States, 2002

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	0.005124	100,000	512	99,549	8,027,376	80.3
1-2	0.000384	99,488	38	99,469	7,927,827	79.7
2-3	0.000258	99,449	26	99,437	7,828,359	78.7
3-4	0.000184	99,424	18	99,415	7,728,922	77.7
4-5	0.000146	99,406	15	99,398	7,629,508	76.8
5-6	0.000153	99,391	15	99,383	7,530,109	75.8
6-7	0.000117	99,376	12	99,370	7,430,726	74.8
7-8	0.000113	99,364	11	99,358	7,331,356	73.8
8-9	0.000128	99,353	13	99,346	7,231,998	72.8
9-10	0.000120	99,340	12	99,334	7,132,651	71.8
10-11	0.000113	99,328	11	99,323	7,033,317	70.8
11-12	0.000116	99,317	11	99,311	6,933,994	69.8
12-13	0.000128	99,306	13	99,299	6,834,683	68.8
13-14	0.000182	99,293	18	99,284	6,735,384	67.8
14-15	0.000204	99,275	20	99,265	6,636,100	66.8
15-16	0.000248	99,255	25	99,242	6,536,835	65.9
16-17	0.000405	99,230	40	99,210	6,437,593	64.9
17-18	0.000448	99,190	44	99,167	6,338,383	63.9
18-19	0.000464	99,145	46	99,122	6,239,216	62.9
19-20	0.000457	99,099	45	99,077	6,140,093	62.0
20-21	0.000435	99,054	43	99,032	6,041,017	61.0
21-22	0.000487	99,011	48	98,987	5,941,984	60.0
22-23	0.000424	98,963	42	98,942	5,842,998	59.0
23-24	0.000415	98,921	41	98,900	5,744,056	58.1
24-25	0.000457	98,880	45	98,857	5,645,156	57.1
25-26	0.000458	98,834	45	98,812	5,546,299	56.1
26-27	0.000459	98,789	45	98,766	5,447,487	55.1
27-28	0.000441	98,744	44	98,722	5,348,721	54.2
28-29	0.000530	98,700	52	98,674	5,249,999	53.2
29-30	0.000515	98,648	51	98,623	5,151,324	52.2
30-31	0.000560	98,597	55	98,570	5,052,702	51.2
31-32	0.000594	98,542	59	98,513	4,954,132	50.3
32-33	0.000629	98,483	62	98,452	4,855,619	49.3
33-34	0.000697	98,421	69	98,387	4,757,167	48.3
34-35	0.000758	98,353	75	98,316	4,658,780	47.4

35-36	0.000855	98,278	84	98,236	4,560,464	46.4
36-37	0.000929	98,194	91	98,149	4,462,228	45.4
37-38	0.001003	98,103	98	98,054	4,364,079	44.5
38-39	0.001081	98,005	106	97,952	4,266,025	43.5
39-40	0.001292	97,899	127	97,836	4,168,073	42.6
40-41	0.001360	97,772	133	97,706	4,070,238	41.6
41-42	0.001468	97,639	143	97,568	3,972,532	40.7
42-43	0.001572	97,496	153	97,419	3,874,964	39.7
43-44	0.001771	97,343	172	97,257	3,777,545	38.8
44-45	0.001853	97,170	180	97,080	3,680,288	37.9
45-46	0.002069	96,990	201	96,890	3,583,208	36.9
46-47	0.002134	96,790	207	96,686	3,486,318	36.0
47-48	0.002305	96,583	223	96,472	3,389,631	35.1
48-49	0.002545	96,361	245	96,238	3,293,159	34.2
49-50	0.002725	96,115	262	95,984	3,196,922	33.3
50-51	0.002844	95,853	273	95,717	3,100,937	32.4
51-52	0.003180	95,581	304	95,429	3,005,220	31.4
52-53	0.003290	95,277	313	95,120	2,909,791	30.5
53-54	0.003827	94,963	363	94,782	2,814,671	29.6
54-55	0.004081	94,600	386	94,407	2,719,890	28.8
55-56	0.004737	94,214	446	93,991	2,625,483	27.9
56-57	0.004646	93,768	436	93,550	2,531,492	27.0
57-58	0.005541	93,332	517	93,073	2,437,942	26.1
58-59	0.006041	92,815	561	92,534	2,344,869	25.3
59-60	0.006858	92,254	633	91,938	2,252,334	24.4
60-61	0.007219	91,621	661	91,291	2,160,396	23.6
61-62	0.008015	90,960	729	90,595	2,069,106	22.7
62-63	0.008790	90,231	793	89,834	1,978,510	21.9
63-64	0.009672	89,438	865	89,005	1,888,676	21.1
64-65	0.010707	88,573	948	88,099	1,799,671	20.3
65-66	0.011652	87,624	1,021	87,114	1,711,572	19.5
66-67	0.012542	86,603	1,086	86,060	1,624,458	18.8
67-68	0.014109	85,517	1,207	84,914	1,538,398	18.0
68-69	0.015102	84,311	1,273	83,674	1,453,484	17.2
69-70	0.016851	83,037	1,399	82,338	1,369,810	16.5
70-71	0.018562	81,638	1,515	80,881	1,287,472	15.8
71-72	0.019881	80,123	1,593	79,326	1,206,592	15.1
72-73	0.022023	78,530	1,729	77,665	1,127,265	14.4
73-74	0.024158	76,800	1,855	75,873	1,049,600	13.7
74-75	0.026635	74,945	1,996	73,947	973,727	13.0
75-76	0.029541	72,949	2,155	71,871	899,780	12.3
76-77	0.032085	70,794	2,271	69,658	827,909	11.7

77-78	0.035606	68,522	2,440	67,303	758,251	11.1
78-79	0.039183	66,083	2,589	64,788	690,948	10.5
79-80	0.043811	63,493	2,782	62,103	626,160	9.9
80-81	0.049136	60,712	2,983	59,220	564,058	9.3
81-82	0.053288	57,729	3,076	56,190	504,838	8.7
82-83	0.062062	54,652	3,392	52,956	448,647	8.2
83-84	0.064527	51,261	3,308	49,607	395,691	7.7
84-85	0.075300	47,953	3,611	46,147	346,084	7.2
85-86	0.083577	44,342	3,706	42,489	299,937	6.8
86-87	0.092538	40,636	3,760	38,756	257,448	6.3
87-88	0.102211	36,876	3,769	34,991	218,692	5.9
88-89	0.112621	33,107	3,728	31,242	183,701	5.5
89-90	0.123790	29,378	3,637	27,560	152,459	5.2
90-91	0.135737	25,741	3,494	23,994	124,899	4.9
91-92	0.148475	22,247	3,303	20,596	100,905	4.5
92-93	0.162015	18,944	3,069	17,410	80,309	4.2
93-94	0.176360	15,875	2,800	14,475	62,899	4.0
94-95	0.191509	13,075	2,504	11,823	48,424	3.7
95-96	0.207455	10,571	2,193	9,475	36,601	3.5
96-97	0.224184	8,378	1,878	7,439	27,126	3.2
97-98	0.241673	6,500	1,571	5,714	19,687	3.0
98-99	0.259895	4,929	1,281	4,289	13,973	2.8
99-100	0.278812	3,648	1,017	3,139	9,684	2.7
<u>100+</u>	1.000000	2,631	2,631	6,545	6,545	2.5

Table 7. Life table for the black population: United States, 2002

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	0.014324	100,000	1,432	98,742	7,232,280	72.3
1-2	0.000715	98,568	71	98,532	7,133,538	72.4
2-3	0.000475	98,497	47	98,474	7,035,005	71.4
3-4	0.000351	98,450	35	98,433	6,936,532	70.5
4-5	0.000323	98,416	32	98,400	6,838,099	69.5
5-6	0.000237	98,384	23	98,372	6,739,699	68.5
6-7	0.000193	98,361	19	98,351	6,641,326	67.5
7-8	0.000182	98,342	18	98,333	6,542,975	66.5
8-9	0.000219	98,324	22	98,313	6,444,642	65.5
9-10	0.000234	98,302	23	98,291	6,346,329	64.6
10-11	0.000226	98,279	22	98,268	6,248,038	63.6
11-12	0.000229	98,257	23	98,246	6,149,770	62.6
12-13	0.000287	98,235	28	98,220	6,051,524	61.6
13-14	0.000281	98,206	28	98,193	5,953,304	60.6
14-15	0.000356	98,179	35	98,161	5,855,111	59.6
15-16	0.000403	98,144	40	98,124	5,756,950	58.7
16-17	0.000621	98,104	61	98,074	5,658,826	57.7
17-18	0.000782	98,043	77	98,005	5,560,752	56.7
18-19	0.001091	97,967	107	97,913	5,462,747	55.8
19-20	0.001226	97,860	120	97,800	5,364,834	54.8
20-21	0.001336	97,740	131	97,675	5,267,034	53.9
21-22	0.001455	97,609	142	97,538	5,169,359	53.0
22-23	0.001500	97,467	146	97,394	5,071,821	52.0
23-24	0.001513	97,321	147	97,247	4,974,427	51.1
24-25	0.001544	97,174	150	97,099	4,877,180	50.2
25-26	0.001614	97,024	157	96,945	4,780,081	49.3
26-27	0.001704	96,867	165	96,785	4,683,136	48.3
27-28	0.001723	96,702	167	96,619	4,586,351	47.4
28-29	0.001645	96,536	159	96,456	4,489,732	46.5
29-30	0.001914	96,377	184	96,284	4,393,276	45.6
30-31	0.001821	96,192	175	96,105	4,296,992	44.7
31-32	0.001921	96,017	184	95,925	4,200,887	43.8
32-33	0.001927	95,833	185	95,740	4,104,962	42.8
33-34	0.002060	95,648	197	95,549	4,009,222	41.9
34-35	0.002311	95,451	221	95,341	3,913,673	41.0

35-36	0.002550	95,230	243	95,109	3,818,332	40.1
36-37	0.002638	94,987	251	94,862	3,723,223	39.2
37-38	0.002634	94,737	250	94,612	3,628,361	38.3
38-39	0.003055	94,487	289	94,343	3,533,749	37.4
39-40	0.003275	94,199	309	94,044	3,439,406	36.5
40-41	0.003380	93,890	317	93,731	3,345,362	35.6
41-42	0.003855	93,573	361	93,392	3,251,631	34.7
42-43	0.003964	93,212	369	93,027	3,158,238	33.9
43-44	0.004560	92,842	423	92,631	3,065,211	33.0
44-45	0.004890	92,419	452	92,193	2,972,580	32.2
45-46	0.005368	91,967	494	91,720	2,880,387	31.3
46-47	0.005712	91,473	522	91,212	2,788,667	30.5
47-48	0.006158	90,951	560	90,671	2,697,455	29.7
48-49	0.007116	90,391	643	90,069	2,606,784	28.8
49-50	0.007498	89,748	673	89,411	2,516,715	28.0
50-51	0.008139	89,075	725	88,712	2,427,304	27.3
51-52	0.008855	88,350	782	87,959	2,338,592	26.5
52-53	0.008963	87,567	785	87,175	2,250,633	25.7
53-54	0.009769	86,783	848	86,359	2,163,458	24.9
54-55	0.010615	85,935	912	85,479	2,077,100	24.2
55-56	0.011999	85,023	1,020	84,512	1,991,621	23.4
56-57	0.011532	84,002	969	83,518	1,907,108	22.7
57-58	0.012844	83,034	1,066	82,500	1,823,590	22.0
58-59	0.014229	81,967	1,166	81,384	1,741,090	21.2
59-60	0.015599	80,801	1,260	80,171	1,659,706	20.5
60-61	0.015966	79,540	1,270	78,905	1,579,535	19.9
61-62	0.017455	78,271	1,366	77,587	1,500,630	19.2
62-63	0.018794	76,904	1,445	76,182	1,423,043	18.5
63-64	0.020060	75,459	1,514	74,702	1,346,861	17.8
64-65	0.021524	73,945	1,592	73,149	1,272,159	17.2
65-66	0.022796	72,354	1,649	71,529	1,199,009	16.6
66-67	0.024325	70,704	1,720	69,844	1,127,480	15.9
67-68	0.025655	68,984	1,770	68,100	1,057,636	15.3
68-69	0.027527	67,215	1,850	66,290	989,536	14.7
69-70	0.030236	65,364	1,976	64,376	923,247	14.1
70-71	0.031995	63,388	2,028	62,374	858,871	13.5
71-72	0.035663	61,360	2,188	60,266	796,497	13.0
72-73	0.037718	59,172	2,232	58,056	736,231	12.4
73-74	0.040272	56,940	2,293	55,793	678,175	11.9
74-75	0.043089	54,647	2,355	53,469	622,382	11.4
75-76	0.047056	52,292	2,461	51,062	568,913	10.9
76-77	0.050811	49,831	2,532	48,565	517,851	10.4

77-78	0.054350	47,299	2,571	46,014	469,285	9.9
78-79	0.057266	44,729	2,561	43,448	423,271	9.5
79-80	0.064253	42,167	2,709	40,813	379,823	9.0
80-81	0.067906	39,458	2,679	38,118	339,011	8.6
81-82	0.070228	36,778	2,583	35,487	300,893	8.2
82-83	0.080722	34,196	2,760	32,815	265,406	7.8
83-84	0.079195	31,435	2,490	30,190	232,590	7.4
84-85	0.090888	28,946	2,631	27,630	202,400	7.0
85-86	0.097660	26,315	2,570	25,030	174,770	6.6
86-87	0.104825	23,745	2,489	22,500	149,740	6.3
87-88	0.112394	21,256	2,389	20,061	127,239	6.0
88-89	0.120382	18,867	2,271	17,731	107,178	5.7
89-90	0.128799	16,596	2,137	15,527	89,446	5.4
90-91	0.137657	14,458	1,990	13,463	73,920	5.1
91-92	0.146967	12,468	1,832	11,552	60,457	4.8
92-93	0.156739	10,636	1,667	9,802	48,905	4.6
93-94	0.166982	8,969	1,498	8,220	39,103	4.4
94-95	0.177704	7,471	1,328	6,807	30,883	4.1
95-96	0.188912	6,143	1,161	5,563	24,076	3.9
96-97	0.200613	4,983	1,000	4,483	18,513	3.7
97-98	0.212810	3,983	848	3,559	14,030	3.5
98-99	0.225508	3,136	707	2,782	10,471	3.3
99-100	0.238708	2,428	580	2,139	7,689	3.2
<u>100+</u>	1.000000	1,849	1,849	5,550	5,550	3.0

Table 8. Life table for black males: United States, 2002

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	0.015395	100,000	1,539	98,650	6,876,522	68.8
1-2	0.000815	98,461	80	98,420	6,777,872	68.8
2-3	0.000540	98,380	53	98,354	6,679,452	67.9
3-4	0.000427	98,327	42	98,306	6,581,098	66.9
4-5	0.000373	98,285	37	98,267	6,482,792	66.0
5-6	0.000263	98,249	26	98,236	6,384,525	65.0
6-7	0.000200	98,223	20	98,213	6,286,289	64.0
7-8	0.000186	98,203	18	98,194	6,188,076	63.0
8-9	0.000270	98,185	27	98,171	6,089,882	62.0
9-10	0.000279	98,158	27	98,144	5,991,711	61.0
10-11	0.000252	98,131	25	98,118	5,893,567	60.1
11-12	0.000268	98,106	26	98,093	5,795,448	59.1
12-13	0.000354	98,080	35	98,062	5,697,355	58.1
13-14	0.000352	98,045	34	98,028	5,599,293	57.1
14-15	0.000455	98,011	45	97,988	5,501,265	56.1
15-16	0.000518	97,966	51	97,941	5,403,277	55.2
16-17	0.000906	97,915	89	97,871	5,305,336	54.2
17-18	0.001132	97,826	111	97,771	5,207,465	53.2
18-19	0.001649	97,716	161	97,635	5,109,694	52.3
19-20	0.001912	97,555	187	97,461	5,012,059	51.4
20-21	0.002060	97,368	201	97,268	4,914,598	50.5
21-22	0.002258	97,167	219	97,058	4,817,330	49.6
22-23	0.002306	96,948	224	96,836	4,720,272	48.7
23-24	0.002336	96,724	226	96,611	4,623,436	47.8
24-25	0.002438	96,499	235	96,381	4,526,825	46.9
25-26	0.002484	96,263	239	96,144	4,430,444	46.0
26-27	0.002584	96,024	248	95,900	4,334,300	45.1
27-28	0.002593	95,776	248	95,652	4,238,400	44.3
28-29	0.002439	95,528	233	95,411	4,142,748	43.4
29-30	0.002670	95,295	254	95,168	4,047,337	42.5
30-31	0.002561	95,040	243	94,919	3,952,169	41.6
31-32	0.002724	94,797	258	94,668	3,857,251	40.7
32-33	0.002547	94,539	241	94,418	3,762,583	39.8
33-34	0.002695	94,298	254	94,171	3,668,165	38.9
34-35	0.003123	94,044	294	93,897	3,573,994	38.0

35-36	0.003457	93,750	324	93,588	3,480,097	37.1
36-37	0.003521	93,426	329	93,262	3,386,509	36.2
37-38	0.003356	93,097	312	92,941	3,293,247	35.4
38-39	0.003931	92,785	365	92,602	3,200,307	34.5
39-40	0.004018	92,420	371	92,234	3,107,704	33.6
40-41	0.004250	92,049	391	91,853	3,015,470	32.8
41-42	0.004682	91,657	429	91,443	2,923,617	31.9
42-43	0.004920	91,228	449	91,004	2,832,174	31.0
43-44	0.005410	90,779	491	90,534	2,741,171	30.2
44-45	0.005867	90,288	530	90,023	2,650,637	29.4
45-46	0.006645	89,758	596	89,460	2,560,614	28.5
46-47	0.007212	89,162	643	88,841	2,471,153	27.7
47-48	0.007738	88,519	685	88,177	2,382,313	26.9
48-49	0.009069	87,834	797	87,436	2,294,136	26.1
49-50	0.009607	87,038	836	86,619	2,206,700	25.4
50-51	0.010434	86,201	899	85,752	2,120,081	24.6
51-52	0.011466	85,302	978	84,813	2,034,329	23.8
52-53	0.011736	84,324	990	83,829	1,949,517	23.1
53-54	0.012882	83,334	1,073	82,797	1,865,687	22.4
54-55	0.013817	82,261	1,137	81,692	1,782,890	21.7
55-56	0.015549	81,124	1,261	80,493	1,701,198	21.0
56-57	0.015056	79,863	1,202	79,262	1,620,704	20.3
57-58	0.016680	78,660	1,312	78,004	1,541,443	19.6
58-59	0.018483	77,348	1,430	76,633	1,463,438	18.9
59-60	0.020253	75,919	1,538	75,150	1,386,805	18.3
60-61	0.021157	74,381	1,574	73,594	1,311,655	17.6
61-62	0.022425	72,807	1,633	71,991	1,238,061	17.0
62-63	0.024843	71,175	1,768	70,290	1,166,070	16.4
63-64	0.026032	69,406	1,807	68,503	1,095,780	15.8
64-65	0.028167	67,600	1,904	66,648	1,027,277	15.2
65-66	0.029344	65,695	1,928	64,732	960,629	14.6
66-67	0.030784	63,768	1,963	62,786	895,897	14.0
67-68	0.032442	61,805	2,005	60,802	833,111	13.5
68-69	0.035282	59,800	2,110	58,745	772,309	12.9
69-70	0.038245	57,690	2,206	56,587	713,564	12.4
70-71	0.040816	55,483	2,265	54,351	656,978	11.8
71-72	0.045549	53,219	2,424	52,007	602,626	11.3
72-73	0.048428	50,795	2,460	49,565	550,620	10.8
73-74	0.052073	48,335	2,517	47,076	501,055	10.4
74-75	0.055073	45,818	2,523	44,556	453,978	9.9
75-76	0.059165	43,295	2,562	42,014	409,422	9.5
76-77	0.064715	40,733	2,636	39,415	367,408	9.0

77-78	0.067787	38,097	2,583	36,806	327,993	8.6
78-79	0.072996	35,515	2,592	34,218	291,187	8.2
79-80	0.081816	32,922	2,694	31,575	256,969	7.8
80-81	0.087335	30,229	2,640	28,909	225,394	7.5
81-82	0.088502	27,589	2,442	26,368	196,485	7.1
82-83	0.099494	25,147	2,502	23,896	170,117	6.8
83-84	0.094660	22,645	2,144	21,573	146,221	6.5
84-85	0.112654	20,501	2,310	19,347	124,648	6.1
85-86	0.120346	18,192	2,189	17,097	105,301	5.8
86-87	0.128359	16,003	2,054	14,975	88,204	5.5
87-88	0.136687	13,948	1,907	12,995	73,229	5.2
88-89	0.145325	12,042	1,750	11,167	60,234	5.0
89-90	0.154263	10,292	1,588	9,498	49,067	4.8
90-91	0.163491	8,704	1,423	7,993	39,569	4.5
91-92	0.172995	7,281	1,260	6,651	31,576	4.3
92-93	0.182761	6,022	1,101	5,471	24,925	4.1
93-94	0.192772	4,921	949	4,447	19,453	4.0
94-95	0.203008	3,972	806	3,569	15,007	3.8
95-96	0.213448	3,166	676	2,828	11,438	3.6
96-97	0.224068	2,490	558	2,211	8,609	3.5
97-98	0.234843	1,932	454	1,705	6,398	3.3
98-99	0.245745	1,478	363	1,297	4,693	3.2
99-100	0.256744	1,115	286	972	3,396	3.0
<u>100+</u>	1.000000	829	829	2,424	2,424	2.9

Table 9. Life table for black females: United States, 2002

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	0.013220	100,000	1,322	98,837	7,557,649	75.6
1-2	0.000613	98,678	61	98,648	7,458,812	75.6
2-3	0.000408	98,617	40	98,597	7,360,164	74.6
3-4	0.000272	98,577	27	98,564	7,261,567	73.7
4-5	0.000270	98,550	27	98,537	7,163,003	72.7
5-6	0.000209	98,524	21	98,513	7,064,466	71.7
6-7	0.000185	98,503	18	98,494	6,965,953	70.7
7-8	0.000177	98,485	17	98,476	6,867,458	69.7
8-9	0.000167	98,468	16	98,459	6,768,982	68.7
9-10	0.000186	98,451	18	98,442	6,670,523	67.8
10-11	0.000200	98,433	20	98,423	6,572,081	66.8
11-12	0.000189	98,413	19	98,404	6,473,658	65.8
12-13	0.000219	98,394	22	98,384	6,375,254	64.8
13-14	0.000207	98,373	20	98,363	6,276,871	63.8
14-15	0.000254	98,353	25	98,340	6,178,508	62.8
15-16	0.000284	98,328	28	98,314	6,080,168	61.8
16-17	0.000328	98,300	32	98,283	5,981,854	60.9
17-18	0.000419	98,267	41	98,247	5,883,571	59.9
18-19	0.000512	98,226	50	98,201	5,785,324	58.9
19-20	0.000513	98,176	50	98,151	5,687,123	57.9
20-21	0.000604	98,125	59	98,096	5,588,973	57.0
21-22	0.000664	98,066	65	98,034	5,490,877	56.0
22-23	0.000714	98,001	70	97,966	5,392,843	55.0
23-24	0.000723	97,931	71	97,896	5,294,877	54.1
24-25	0.000698	97,860	68	97,826	5,196,981	53.1
25-26	0.000808	97,792	79	97,752	5,099,155	52.1
26-27	0.000891	97,713	87	97,669	5,001,403	51.2
27-28	0.000927	97,626	91	97,581	4,903,733	50.2
28-29	0.000925	97,535	90	97,490	4,806,152	49.3
29-30	0.001229	97,445	120	97,385	4,708,662	48.3
30-31	0.001153	97,325	112	97,269	4,611,277	47.4
31-32	0.001205	97,213	117	97,155	4,514,008	46.4
32-33	0.001367	97,096	133	97,030	4,416,853	45.5
33-34	0.001487	96,963	144	96,891	4,319,823	44.6
34-35	0.001581	96,819	153	96,742	4,222,932	43.6

35-36	0.001746	96,666	169	96,582	4,126,190	42.7
36-37	0.001850	96,497	178	96,408	4,029,608	41.8
37-38	0.001989	96,319	192	96,223	3,933,200	40.8
38-39	0.002280	96,127	219	96,017	3,836,978	39.9
39-40	0.002617	95,908	251	95,782	3,740,960	39.0
40-41	0.002615	95,657	250	95,532	3,645,178	38.1
41-42	0.003126	95,407	298	95,258	3,549,646	37.2
42-43	0.003114	95,108	296	94,960	3,454,388	36.3
43-44	0.003816	94,812	362	94,631	3,359,428	35.4
44-45	0.004026	94,451	380	94,260	3,264,797	34.6
45-46	0.004249	94,070	400	93,870	3,170,536	33.7
46-47	0.004405	93,671	413	93,464	3,076,666	32.8
47-48	0.004783	93,258	446	93,035	2,983,201	32.0
48-49	0.005422	92,812	503	92,560	2,890,167	31.1
49-50	0.005692	92,309	525	92,046	2,797,606	30.3
50-51	0.006189	91,783	568	91,499	2,705,560	29.5
51-52	0.006628	91,215	605	90,913	2,614,061	28.7
52-53	0.006589	90,611	597	90,312	2,523,148	27.8
53-54	0.007141	90,014	643	89,692	2,432,836	27.0
54-55	0.007910	89,371	707	89,017	2,343,143	26.2
55-56	0.009022	88,664	800	88,264	2,254,126	25.4
56-57	0.008613	87,864	757	87,486	2,165,862	24.7
57-58	0.009679	87,107	843	86,686	2,078,376	23.9
58-59	0.010768	86,264	929	85,800	1,991,691	23.1
59-60	0.011831	85,335	1,010	84,830	1,905,891	22.3
60-61	0.011824	84,326	997	83,827	1,821,061	21.6
61-62	0.013521	83,329	1,127	82,765	1,737,233	20.8
62-63	0.014018	82,202	1,152	81,626	1,654,468	20.1
63-64	0.015432	81,050	1,251	80,424	1,572,842	19.4
64-65	0.016374	79,799	1,307	79,145	1,492,418	18.7
65-66	0.017783	78,492	1,396	77,794	1,413,273	18.0
66-67	0.019446	77,096	1,499	76,347	1,335,479	17.3
67-68	0.020548	75,597	1,553	74,820	1,259,132	16.7
68-69	0.021847	74,044	1,618	73,235	1,184,311	16.0
69-70	0.024438	72,426	1,770	71,541	1,111,076	15.3
70-71	0.025775	70,656	1,821	69,746	1,039,535	14.7
71-72	0.028768	68,835	1,980	67,845	969,790	14.1
72-73	0.030438	66,855	2,035	65,837	901,945	13.5
73-74	0.032519	64,820	2,108	63,766	836,107	12.9
74-75	0.035398	62,712	2,220	61,602	772,341	12.3
75-76	0.039437	60,492	2,386	59,299	710,739	11.7
76-77	0.042360	58,107	2,461	56,876	651,440	11.2

77-78	0.046255	55,645	2,574	54,358	594,564	10.7
78-79	0.047926	53,071	2,544	51,800	540,206	10.2
79-80	0.053997	50,528	2,728	49,164	488,406	9.7
80-81	0.056930	47,799	2,721	46,439	439,243	9.2
81-82	0.060278	45,078	2,717	43,720	392,804	8.7
82-83	0.071023	42,361	3,009	40,857	349,084	8.2
83-84	0.071252	39,352	2,804	37,950	308,228	7.8
84-85	0.080358	36,548	2,937	35,080	270,277	7.4
85-86	0.087277	33,611	2,933	32,145	235,197	7.0
86-87	0.094648	30,678	2,904	29,226	203,053	6.6
87-88	0.102486	27,774	2,846	26,351	173,826	6.3
88-89	0.110807	24,928	2,762	23,547	147,475	5.9
89-90	0.119622	22,166	2,652	20,840	123,929	5.6
90-91	0.128944	19,514	2,516	18,256	103,089	5.3
91-92	0.138782	16,998	2,359	15,818	84,833	5.0
92-93	0.149146	14,639	2,183	13,547	69,014	4.7
93-94	0.160042	12,456	1,993	11,459	55,467	4.5
94-95	0.171474	10,462	1,794	9,565	44,008	4.2
95-96	0.183446	8,668	1,590	7,873	34,443	4.0
96-97	0.195958	7,078	1,387	6,385	26,570	3.8
97-98	0.209007	5,691	1,189	5,096	20,185	3.5
98-99	0.222589	4,502	1,002	4,001	15,089	3.4
99-100	0.236696	3,500	828	3,085	11,088	3.2
<u>100+</u>	1.000000	2,671	2,671	8,003	8,003	3.0

Source: Arias E. United States life tables, 2002. National vital statistics reports; vol 53 no 6. Hyattsville, Maryland: National Center for Health Statistics. 2004.