

Table 1. Life table for the total population: United States, 2004

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying between ages x to x+1	surviving to age x	dying between ages x to x+1	lived between ages x to x+1	number of person-years lived above age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
0-1	0.006799	100,000	680	99,403	7,758,261	77.6
1-2	0.000489	99,320	49	99,296	7,658,859	77.1
2-3	0.000302	99,271	30	99,257	7,559,563	76.2
3-4	0.000228	99,242	23	99,230	7,460,306	75.2
4-5	0.000191	99,219	19	99,209	7,361,076	74.2
5-6	0.000174	99,200	17	99,191	7,261,867	73.2
6-7	0.000163	99,183	16	99,175	7,162,675	72.2
7-8	0.000152	99,167	15	99,159	7,063,501	71.2
8-9	0.000137	99,151	14	99,145	6,964,342	70.2
9-10	0.000119	99,138	12	99,132	6,865,197	69.2
10-11	0.000106	99,126	10	99,121	6,766,065	68.3
11-12	0.000111	99,116	11	99,110	6,666,944	67.3
12-13	0.000147	99,105	15	99,097	6,567,834	66.3
13-14	0.000224	99,090	22	99,079	6,468,736	65.3
14-15	0.000331	99,068	33	99,052	6,369,657	64.3
15-16	0.000451	99,035	45	99,013	6,270,606	63.3
16-17	0.000567	98,991	56	98,962	6,171,593	62.3
17-18	0.000671	98,934	66	98,901	6,072,630	61.4
18-19	0.000751	98,868	74	98,831	5,973,729	60.4
19-20	0.000811	98,794	80	98,754	5,874,898	59.5
20-21	0.000869	98,714	86	98,671	5,776,144	58.5
21-22	0.000927	98,628	91	98,582	5,677,473	57.6
22-23	0.000967	98,537	95	98,489	5,578,891	56.6
23-24	0.000984	98,441	97	98,393	5,480,402	55.7
24-25	0.000984	98,344	97	98,296	5,382,009	54.7
25-26	0.000979	98,248	96	98,200	5,283,713	53.8
26-27	0.000977	98,152	96	98,104	5,185,514	52.8
27-28	0.000977	98,056	96	98,008	5,087,410	51.9
28-29	0.000983	97,960	96	97,912	4,989,402	50.9
29-30	0.000996	97,864	97	97,815	4,891,490	50.0
30-31	0.001015	97,766	99	97,717	4,793,675	49.0
31-32	0.001040	97,667	102	97,616	4,695,959	48.1
32-33	0.001092	97,565	107	97,512	4,598,342	47.1
33-34	0.001134	97,459	111	97,404	4,500,830	46.2
34-35	0.001206	97,348	117	97,290	4,403,426	45.2
35-36	0.001289	97,231	125	97,168	4,306,137	44.3
36-37	0.001386	97,106	135	97,038	4,208,968	43.3

Source: CDC/NCHS, National Vital Statistics System, Mortality.

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	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)	T(x)	e(x)
37-38	0.001505	96,971	146	96,898	4,111,930	42.4
38-39	0.001646	96,825	159	96,745	4,015,032	41.5
39-40	0.001800	96,666	174	96,579	3,918,286	40.5
40-41	0.001957	96,492	189	96,397	3,821,708	39.6
41-42	0.002120	96,303	204	96,201	3,725,310	38.7
42-43	0.002300	96,099	221	95,988	3,629,109	37.8
43-44	0.002507	95,878	240	95,758	3,533,121	36.9
44-45	0.002740	95,637	262	95,506	3,437,364	35.9
45-46	0.002994	95,375	286	95,233	3,341,857	35.0
46-47	0.003258	95,090	310	94,935	3,246,625	34.1
47-48	0.003530	94,780	335	94,613	3,151,690	33.3
48-49	0.003805	94,445	359	94,266	3,057,077	32.4
49-50	0.004090	94,086	385	93,894	2,962,812	31.5
50-51	0.004399	93,701	412	93,495	2,868,918	30.6
51-52	0.004738	93,289	442	93,068	2,775,423	29.8
52-53	0.005093	92,847	473	92,611	2,682,355	28.9
53-54	0.005461	92,374	504	92,122	2,589,744	28.0
54-55	0.005847	91,870	537	91,601	2,497,622	27.2
55-56	0.006257	91,332	571	91,047	2,406,021	26.3
56-57	0.006708	90,761	609	90,457	2,314,974	25.5
57-58	0.007227	90,152	652	89,826	2,224,518	24.7
58-59	0.007843	89,501	702	89,150	2,134,691	23.9
59-60	0.008566	88,799	761	88,418	2,045,542	23.0
60-61	0.009417	88,038	829	87,624	1,957,123	22.2
61-62	0.010365	87,209	904	86,757	1,869,500	21.4
62-63	0.011352	86,305	980	85,815	1,782,743	20.7
63-64	0.012318	85,325	1,051	84,800	1,696,928	19.9
64-65	0.013278	84,274	1,119	83,715	1,612,128	19.1
65-66	0.014319	83,155	1,191	82,560	1,528,413	18.4
66-67	0.015540	81,965	1,274	81,328	1,445,854	17.6
67-68	0.016920	80,691	1,365	80,008	1,364,526	16.9
68-69	0.018448	79,326	1,463	78,594	1,284,518	16.2
69-70	0.020170	77,862	1,570	77,077	1,205,924	15.5
70-71	0.022022	76,292	1,680	75,452	1,128,847	14.8
71-72	0.023973	74,612	1,789	73,717	1,053,395	14.1
72-73	0.026203	72,823	1,908	71,869	979,678	13.5
73-74	0.028771	70,915	2,040	69,895	907,809	12.8

Source: CDC/NCHS, National Vital Statistics System, Mortality.

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	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)	T(x)	e(x)
74-75	0.031629	68,875	2,178	67,785	837,914	12.2
75-76	0.034611	66,696	2,308	65,542	770,129	11.5
76-77	0.037710	64,388	2,428	63,174	704,587	10.9
77-78	0.041264	61,960	2,557	60,681	641,413	10.4
78-79	0.045405	59,403	2,697	58,054	580,732	9.8
79-80	0.050128	56,706	2,843	55,285	522,678	9.2
80-81	0.055339	53,863	2,981	52,373	467,393	8.7
81-82	0.061005	50,883	3,104	49,330	415,020	8.2
82-83	0.067396	47,778	3,220	46,168	365,690	7.7
83-84	0.074476	44,558	3,319	42,899	319,521	7.2
84-85	0.082272	41,240	3,393	39,543	276,622	6.7
85-86	0.091816	37,847	3,475	36,109	237,079	6.3
86-87	0.101898	34,372	3,502	32,621	200,969	5.8
87-88	0.112870	30,870	3,484	29,127	168,349	5.5
88-89	0.124763	27,385	3,417	25,677	139,221	5.1
89-90	0.137597	23,969	3,298	22,320	113,544	4.7
90-91	0.151383	20,671	3,129	19,106	91,224	4.4
91-92	0.166117	17,541	2,914	16,084	72,118	4.1
92-93	0.181778	14,628	2,659	13,298	56,034	3.8
93-94	0.198331	11,969	2,374	10,782	42,736	3.6
94-95	0.215721	9,595	2,070	8,560	31,954	3.3
95-96	0.233874	7,525	1,760	6,645	23,394	3.1
96-97	0.252699	5,765	1,457	5,037	16,749	2.9
97-98	0.272086	4,308	1,172	3,722	11,713	2.7
98-99	0.291912	3,136	915	2,678	7,990	2.5
99-100	0.312040	2,221	693	1,874	5,312	2.4
<u>100 and over</u>	1.000000	1,528	1,528	3,438	3,438	2.3

Source: CDC/NCHS, National Vital Statistics System, Mortality.

Table 2. Life table for males: United States, 2004

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	ages x to x+1	person-years
	ages x to x+1				lived above	at age x
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
0-1	0.007475	100,000	747	99,344	7,497,233	75.0
1-2	0.000515	99,253	51	99,227	7,397,889	74.5
2-3	0.000331	99,201	33	99,185	7,298,662	73.6
3-4	0.000254	99,169	25	99,156	7,199,477	72.6
4-5	0.000211	99,143	21	99,133	7,100,321	71.6
5-6	0.000194	99,122	19	99,113	7,001,189	70.6
6-7	0.000185	99,103	18	99,094	6,902,076	69.6
7-8	0.000173	99,085	17	99,076	6,802,982	68.7
8-9	0.000152	99,068	15	99,060	6,703,906	67.7
9-10	0.000125	99,053	12	99,046	6,604,845	66.7
10-11	0.000105	99,040	10	99,035	6,505,799	65.7
11-12	0.000110	99,030	11	99,024	6,406,764	64.7
12-13	0.000160	99,019	16	99,011	6,307,740	63.7
13-14	0.000269	99,003	27	98,990	6,208,728	62.7
14-15	0.000423	98,976	42	98,956	6,109,739	61.7
15-16	0.000594	98,935	59	98,905	6,010,783	60.8
16-17	0.000757	98,876	75	98,838	5,911,878	59.8
17-18	0.000912	98,801	90	98,756	5,813,040	58.8
18-19	0.001044	98,711	103	98,659	5,714,284	57.9
19-20	0.001153	98,608	114	98,551	5,615,624	56.9
20-21	0.001264	98,494	125	98,432	5,517,073	56.0
21-22	0.001370	98,370	135	98,302	5,418,641	55.1
22-23	0.001441	98,235	142	98,164	5,320,339	54.2
23-24	0.001466	98,093	144	98,021	5,222,175	53.2
24-25	0.001457	97,950	143	97,878	5,124,154	52.3
25-26	0.001436	97,807	140	97,737	5,026,275	51.4
26-27	0.001419	97,666	139	97,597	4,928,539	50.5
27-28	0.001401	97,528	137	97,459	4,830,942	49.5
28-29	0.001390	97,391	135	97,323	4,733,483	48.6
29-30	0.001389	97,256	135	97,188	4,636,159	47.7
30-31	0.001392	97,121	135	97,053	4,538,971	46.7
31-32	0.001404	96,985	136	96,917	4,441,918	45.8
32-33	0.001457	96,849	141	96,779	4,345,001	44.9
33-34	0.001496	96,708	145	96,636	4,248,222	43.9
34-35	0.001580	96,563	153	96,487	4,151,586	43.0
35-36	0.001680	96,411	162	96,330	4,055,099	42.1
36-37	0.001797	96,249	173	96,162	3,958,769	41.1

Source: CDC/NCHS, National Vital Statistics System, Mortality.

Table 2. Life table for males: United States, 2004

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				dying	
	between	surviving to	between	between	person-years	of life
ages x to x+1	age x	ages x to x+1	ages x to x+1	aged above	at age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
37-38	0.001939	96,076	186	95,983	3,862,606	40.2
38-39	0.002102	95,890	202	95,789	3,766,623	39.3
39-40	0.002281	95,688	218	95,579	3,670,835	38.4
40-41	0.002464	95,470	235	95,352	3,575,256	37.4
41-42	0.002658	95,235	253	95,108	3,479,903	36.5
42-43	0.002878	94,982	273	94,845	3,384,795	35.6
43-44	0.003138	94,708	297	94,560	3,289,950	34.7
44-45	0.003435	94,411	324	94,249	3,195,391	33.8
45-46	0.003756	94,087	353	93,910	3,101,142	33.0
46-47	0.004090	93,733	383	93,542	3,007,232	32.1
47-48	0.004444	93,350	415	93,143	2,913,690	31.2
48-49	0.004817	92,935	448	92,711	2,820,547	30.3
49-50	0.005210	92,488	482	92,247	2,727,836	29.5
50-51	0.005644	92,006	519	91,746	2,635,589	28.6
51-52	0.006108	91,486	559	91,207	2,543,843	27.8
52-53	0.006571	90,928	597	90,629	2,452,636	27.0
53-54	0.007014	90,330	634	90,013	2,362,007	26.1
54-55	0.007449	89,697	668	89,363	2,271,994	25.3
55-56	0.007899	89,028	703	88,677	2,182,631	24.5
56-57	0.008403	88,325	742	87,954	2,093,954	23.7
57-58	0.008999	87,583	788	87,189	2,006,000	22.9
58-59	0.009733	86,795	845	86,373	1,918,811	22.1
59-60	0.010616	85,950	912	85,494	1,832,439	21.3
60-61	0.011658	85,038	991	84,542	1,746,945	20.5
61-62	0.012812	84,046	1,077	83,508	1,662,403	19.8
62-63	0.014017	82,970	1,163	82,388	1,578,895	19.0
63-64	0.015194	81,807	1,243	81,185	1,496,507	18.3
64-65	0.016358	80,564	1,318	79,905	1,415,322	17.6
65-66	0.017611	79,246	1,396	78,548	1,335,417	16.9
66-67	0.019073	77,850	1,485	77,108	1,256,869	16.1
67-68	0.020722	76,365	1,582	75,574	1,179,761	15.4
68-69	0.022569	74,783	1,688	73,939	1,104,187	14.8
69-70	0.024644	73,095	1,801	72,195	1,030,248	14.1
70-71	0.026846	71,294	1,914	70,337	958,053	13.4
71-72	0.029165	69,380	2,023	68,368	887,716	12.8
72-73	0.031838	67,356	2,145	66,284	819,348	12.2
73-74	0.034983	65,212	2,281	64,071	753,064	11.5

Source: CDC/NCHS, National Vital Statistics System, Mortality.

Table 2. Life table for males: United States, 2004

Age	Probability	Number surviving to age x	Number	Person-years	Total	Expectation of life at age x
	of dying		dying	lived	number of	
	between		between	between	person-years	
ages x to x+1	ages x to x+1	ages x to x+1	ages x to x+1	lived above	age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
74-75	0.038588	62,931	2,428	61,716	688,993	10.9
75-76	0.042442	60,502	2,568	59,218	627,276	10.4
76-77	0.046330	57,934	2,684	56,592	568,058	9.8
77-78	0.050640	55,250	2,798	53,851	511,466	9.3
78-79	0.055684	52,452	2,921	50,992	457,614	8.7
79-80	0.061397	49,532	3,041	48,011	406,622	8.2
80-81	0.067614	46,491	3,143	44,919	358,611	7.7
81-82	0.074291	43,347	3,220	41,737	313,692	7.2
82-83	0.081952	40,127	3,288	38,483	271,955	6.8
83-84	0.090406	36,838	3,330	35,173	233,473	6.3
84-85	0.099140	33,508	3,322	31,847	198,299	5.9
85-86	0.110126	30,186	3,324	28,524	166,452	5.5
86-87	0.122068	26,862	3,279	25,222	137,928	5.1
87-88	0.134991	23,583	3,183	21,991	112,706	4.8
88-89	0.148908	20,399	3,038	18,881	90,715	4.4
89-90	0.163817	17,362	2,844	15,940	71,834	4.1
90-91	0.179701	14,518	2,609	13,213	55,895	3.9
91-92	0.196524	11,909	2,340	10,739	42,682	3.6
92-93	0.214228	9,568	2,050	8,543	31,943	3.3
93-94	0.232738	7,519	1,750	6,644	23,400	3.1
94-95	0.251957	5,769	1,453	5,042	16,756	2.9
95-96	0.271768	4,315	1,173	3,729	11,714	2.7
96-97	0.292041	3,143	918	2,684	7,985	2.5
97-98	0.312628	2,225	696	1,877	5,301	2.4
98-99	0.333375	1,529	510	1,274	3,424	2.2
99-100	0.354122	1,019	361	839	2,150	2.1
<u>100 and over</u>	1.000000	658	658	1,311	1,311	2.0

Source: CDC/NCHS, National Vital Statistics System, Mortality.

Table 3. Life table for females: United States, 2004

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	0.006091	100,000	609	99,465	8,008,334	80.1
1-2	0.000463	99,391	46	99,368	7,908,869	79.6
2-3	0.000270	99,345	27	99,331	7,809,501	78.6
3-4	0.000200	99,318	20	99,308	7,710,170	77.6
4-5	0.000171	99,298	17	99,290	7,610,862	76.6
5-6	0.000153	99,281	15	99,274	7,511,572	75.7
6-7	0.000140	99,266	14	99,259	7,412,298	74.7
7-8	0.000130	99,252	13	99,246	7,313,039	73.7
8-9	0.000121	99,239	12	99,233	7,213,794	72.7
9-10	0.000112	99,227	11	99,222	7,114,560	71.7
10-11	0.000107	99,216	11	99,211	7,015,338	70.7
11-12	0.000112	99,206	11	99,200	6,916,128	69.7
12-13	0.000133	99,195	13	99,188	6,816,927	68.7
13-14	0.000176	99,181	17	99,173	6,717,739	67.7
14-15	0.000233	99,164	23	99,152	6,618,567	66.7
15-16	0.000301	99,141	30	99,126	6,519,414	65.8
16-17	0.000365	99,111	36	99,093	6,420,289	64.8
17-18	0.000414	99,075	41	99,054	6,321,196	63.8
18-19	0.000440	99,034	44	99,012	6,222,141	62.8
19-20	0.000448	98,990	44	98,968	6,123,129	61.9
20-21	0.000452	98,946	45	98,924	6,024,161	60.9
21-22	0.000462	98,901	46	98,878	5,925,238	59.9
22-23	0.000470	98,856	47	98,832	5,826,359	58.9
23-24	0.000481	98,809	48	98,785	5,727,527	58.0
24-25	0.000494	98,762	49	98,737	5,628,742	57.0
25-26	0.000509	98,713	50	98,688	5,530,005	56.0
26-27	0.000526	98,663	52	98,637	5,431,317	55.0
27-28	0.000547	98,611	54	98,584	5,332,680	54.1
28-29	0.000571	98,557	56	98,529	5,234,097	53.1
29-30	0.000599	98,500	59	98,471	5,135,568	52.1
30-31	0.000633	98,441	62	98,410	5,037,097	51.2
31-32	0.000673	98,379	66	98,346	4,938,687	50.2
32-33	0.000726	98,313	71	98,277	4,840,341	49.2
33-34	0.000770	98,242	76	98,204	4,742,064	48.3
34-35	0.000830	98,166	82	98,125	4,643,860	47.3
35-36	0.000897	98,084	88	98,040	4,545,735	46.3
36-37	0.000975	97,996	95	97,949	4,447,694	45.4

Source: CDC/NCHS, National Vital Statistics System, Mortality.

Table 3. Life table for females: United States, 2004

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				dying	
	between	surviving to	between	between	person-years	of life
ages x to x+1	age x	ages x to x+1	ages x to x+1	aged above	at age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
37-38	0.001073	97,901	105	97,848	4,349,746	44.4
38-39	0.001192	97,796	117	97,738	4,251,897	43.5
39-40	0.001324	97,679	129	97,615	4,154,159	42.5
40-41	0.001457	97,550	142	97,479	4,056,545	41.6
41-42	0.001590	97,408	155	97,331	3,959,066	40.6
42-43	0.001732	97,253	168	97,169	3,861,735	39.7
43-44	0.001888	97,085	183	96,993	3,764,566	38.8
44-45	0.002060	96,901	200	96,802	3,667,573	37.8
45-46	0.002250	96,702	218	96,593	3,570,772	36.9
46-47	0.002446	96,484	236	96,366	3,474,179	36.0
47-48	0.002639	96,248	254	96,121	3,377,812	35.1
48-49	0.002823	95,994	271	95,859	3,281,691	34.2
49-50	0.003005	95,723	288	95,579	3,185,832	33.3
50-51	0.003200	95,436	305	95,283	3,090,253	32.4
51-52	0.003422	95,130	326	94,967	2,994,970	31.5
52-53	0.003680	94,805	349	94,630	2,900,003	30.6
53-54	0.003980	94,456	376	94,268	2,805,372	29.7
54-55	0.004322	94,080	407	93,877	2,711,105	28.8
55-56	0.004696	93,673	440	93,453	2,617,228	27.9
56-57	0.005101	93,233	476	92,996	2,523,775	27.1
57-58	0.005553	92,758	515	92,500	2,430,779	26.2
58-59	0.006065	92,243	559	91,963	2,338,279	25.3
59-60	0.006648	91,683	610	91,379	2,246,316	24.5
60-61	0.007337	91,074	668	90,740	2,154,937	23.7
61-62	0.008112	90,406	733	90,039	2,064,197	22.8
62-63	0.008918	89,672	800	89,272	1,974,158	22.0
63-64	0.009708	88,873	863	88,441	1,884,886	21.2
64-65	0.010501	88,010	924	87,548	1,796,445	20.4
65-66	0.011371	87,086	990	86,590	1,708,897	19.6
66-67	0.012398	86,095	1,067	85,562	1,622,307	18.8
67-68	0.013570	85,028	1,154	84,451	1,536,745	18.1
68-69	0.014858	83,874	1,246	83,251	1,452,294	17.3
69-70	0.016323	82,628	1,349	81,954	1,369,043	16.6
70-71	0.017929	81,279	1,457	80,551	1,287,090	15.8
71-72	0.019635	79,822	1,567	79,038	1,206,539	15.1
72-73	0.021574	78,255	1,688	77,411	1,127,501	14.4
73-74	0.023761	76,566	1,819	75,657	1,050,090	13.7

Source: CDC/NCHS, National Vital Statistics System, Mortality.



Table 3. Life table for females: United States, 2004

Age	Probability	Number surviving to age x	Number dying between ages x to x+1	Person-years lived between ages x to x+1	Total	Expectation of life at age x
	of dying				number of	
	between ages x to x+1				person-years lived above age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
74-75	0.026134	74,747	1,953	73,770	974,433	13.0
75-76	0.028568	72,794	2,080	71,754	900,663	12.4
76-77	0.031212	70,714	2,207	69,611	828,909	11.7
77-78	0.034377	68,507	2,355	67,329	759,299	11.1
78-79	0.038090	66,152	2,520	64,892	691,969	10.5
79-80	0.042376	63,632	2,696	62,284	627,077	9.9
80-81	0.047151	60,936	2,873	59,499	564,793	9.3
81-82	0.052430	58,063	3,044	56,540	505,294	8.7
82-83	0.058342	55,018	3,210	53,413	448,754	8.2
83-84	0.064922	51,808	3,364	50,127	395,340	7.6
84-85	0.072483	48,445	3,511	46,689	345,213	7.1
85-86	0.081547	44,934	3,664	43,101	298,524	6.6
86-87	0.091222	41,269	3,765	39,387	255,423	6.2
87-88	0.101845	37,505	3,820	35,595	216,036	5.8
88-89	0.113462	33,685	3,822	31,774	180,441	5.4
89-90	0.126107	29,863	3,766	27,980	148,667	5.0
90-91	0.139806	26,097	3,649	24,273	120,687	4.6
91-92	0.154568	22,449	3,470	20,714	96,414	4.3
92-93	0.170384	18,979	3,234	17,362	75,700	4.0
93-94	0.187226	15,745	2,948	14,271	58,338	3.7
94-95	0.205046	12,797	2,624	11,485	44,067	3.4
95-96	0.223770	10,173	2,276	9,035	32,582	3.2
96-97	0.243303	7,897	1,921	6,936	23,547	3.0
97-98	0.263527	5,975	1,575	5,188	16,611	2.8
98-99	0.284302	4,401	1,251	3,775	11,423	2.6
99-100	0.305475	3,150	962	2,669	7,648	2.4
<u>100 and over</u>	1.000000	2,187	2,187	4,979	4,979	2.3

Table 4. Life table for the white population: United States, 2004

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	of life
	ages x to x+1				lived above	at age x
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
0-1	0.005657	100,000	566	99,502	7,805,206	78.1
1-2	0.000444	99,434	44	99,412	7,705,704	77.5
2-3	0.000272	99,390	27	99,377	7,606,292	76.5
3-4	0.000204	99,363	20	99,353	7,506,915	75.6
4-5	0.000178	99,343	18	99,334	7,407,562	74.6
5-6	0.000158	99,325	16	99,317	7,308,228	73.6
6-7	0.000149	99,310	15	99,302	7,208,911	72.6
7-8	0.000140	99,295	14	99,288	7,109,609	71.6
8-9	0.000126	99,281	13	99,275	7,010,321	70.6
9-10	0.000108	99,268	11	99,263	6,911,046	69.6
10-11	0.000094	99,258	9	99,253	6,811,783	68.6
11-12	0.000098	99,248	10	99,243	6,712,530	67.6
12-13	0.000135	99,239	13	99,232	6,613,287	66.6
13-14	0.000213	99,225	21	99,215	6,514,055	65.6
14-15	0.000322	99,204	32	99,188	6,414,841	64.7
15-16	0.000445	99,172	44	99,150	6,315,653	63.7
16-17	0.000560	99,128	56	99,100	6,216,503	62.7
17-18	0.000661	99,072	65	99,040	6,117,402	61.7
18-19	0.000735	99,007	73	98,970	6,018,363	60.8
19-20	0.000786	98,934	78	98,895	5,919,392	59.8
20-21	0.000835	98,856	83	98,815	5,820,497	58.9
21-22	0.000884	98,774	87	98,730	5,721,682	57.9
22-23	0.000915	98,687	90	98,642	5,622,952	57.0
23-24	0.000924	98,596	91	98,551	5,524,310	56.0
24-25	0.000918	98,505	90	98,460	5,425,759	55.1
25-26	0.000907	98,415	89	98,370	5,327,299	54.1
26-27	0.000898	98,326	88	98,281	5,228,929	53.2
27-28	0.000893	98,237	88	98,193	5,130,648	52.2
28-29	0.000895	98,150	88	98,106	5,032,454	51.3
29-30	0.000905	98,062	89	98,017	4,934,349	50.3
30-31	0.000922	97,973	90	97,928	4,836,331	49.4
31-32	0.000946	97,883	93	97,836	4,738,403	48.4
32-33	0.000995	97,790	97	97,741	4,640,567	47.5
33-34	0.001037	97,693	101	97,642	4,542,826	46.5
34-35	0.001108	97,591	108	97,537	4,445,184	45.5
35-36	0.001189	97,483	116	97,425	4,347,646	44.6
36-37	0.001283	97,367	125	97,305	4,250,221	43.7

Source: CDC/NCHS, National Vital Statistics System, Mortality.

Table 4. Life table for the white population: United States, 2004

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				dying	
	between	surviving to	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)	T(x)	e(x)
37-38	0.001398	97,242	136	97,175	4,152,916	42.7
38-39	0.001531	97,107	149	97,032	4,055,741	41.8
39-40	0.001676	96,958	163	96,877	3,958,709	40.8
40-41	0.001824	96,795	177	96,707	3,861,832	39.9
41-42	0.001975	96,619	191	96,523	3,765,125	39.0
42-43	0.002142	96,428	207	96,325	3,668,602	38.0
43-44	0.002331	96,222	224	96,109	3,572,277	37.1
44-45	0.002544	95,997	244	95,875	3,476,168	36.2
45-46	0.002777	95,753	266	95,620	3,380,292	35.3
46-47	0.003019	95,487	288	95,343	3,284,672	34.4
47-48	0.003267	95,199	311	95,043	3,189,329	33.5
48-49	0.003517	94,888	334	94,721	3,094,286	32.6
49-50	0.003774	94,554	357	94,376	2,999,565	31.7
50-51	0.004055	94,197	382	94,006	2,905,189	30.8
51-52	0.004366	93,815	410	93,611	2,811,183	30.0
52-53	0.004700	93,406	439	93,186	2,717,572	29.1
53-54	0.005054	92,967	470	92,732	2,624,386	28.2
54-55	0.005432	92,497	502	92,246	2,531,655	27.4
55-56	0.005832	91,994	536	91,726	2,439,409	26.5
56-57	0.006272	91,458	574	91,171	2,347,683	25.7
57-58	0.006781	90,884	616	90,576	2,256,512	24.8
58-59	0.007389	90,268	667	89,934	2,165,936	24.0
59-60	0.008108	89,601	727	89,238	2,076,001	23.2
60-61	0.008961	88,874	796	88,476	1,986,764	22.4
61-62	0.009911	88,078	873	87,642	1,898,287	21.6
62-63	0.010894	87,205	950	86,730	1,810,646	20.8
63-64	0.011846	86,255	1,022	85,744	1,723,916	20.0
64-65	0.012788	85,233	1,090	84,688	1,638,172	19.2
65-66	0.013818	84,143	1,163	83,562	1,553,483	18.5
66-67	0.015036	82,981	1,248	82,357	1,469,921	17.7
67-68	0.016420	81,733	1,342	81,062	1,387,564	17.0
68-69	0.017951	80,391	1,443	79,669	1,306,502	16.3
69-70	0.019674	78,948	1,553	78,171	1,226,833	15.5
70-71	0.021525	77,395	1,666	76,562	1,148,662	14.8
71-72	0.023468	75,729	1,777	74,840	1,072,100	14.2
72-73	0.025707	73,951	1,901	73,001	997,260	13.5
73-74	0.028298	72,050	2,039	71,031	924,259	12.8

Source: CDC/NCHS, National Vital Statistics System, Mortality.

Table 4. Life table for the white population: United States, 2004

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				dying	
	between	surviving to	between	between	person-years	of life
ages x to x+1	age x	ages x to x+1	ages x to x+1	aged above	at age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
74-75	0.031153	70,011	2,181	68,921	853,228	12.2
75-76	0.034119	67,830	2,314	66,673	784,307	11.6
76-77	0.037207	65,516	2,438	64,297	717,634	11.0
77-78	0.040738	63,078	2,570	61,794	653,337	10.4
78-79	0.044879	60,509	2,716	59,151	591,543	9.8
79-80	0.049685	57,793	2,871	56,357	532,392	9.2
80-81	0.054975	54,922	3,019	53,412	476,035	8.7
81-82	0.060689	51,902	3,150	50,327	422,623	8.1
82-83	0.067156	48,752	3,274	47,115	372,295	7.6
83-84	0.074313	45,478	3,380	43,789	325,180	7.2
84-85	0.082191	42,099	3,460	40,369	281,391	6.7
85-86	0.091493	38,639	3,535	36,871	241,022	6.2
86-87	0.101782	35,104	3,573	33,317	204,151	5.8
87-88	0.113000	31,531	3,563	29,749	170,834	5.4
88-89	0.125181	27,968	3,501	26,217	141,085	5.0
89-90	0.138347	24,467	3,385	22,774	114,868	4.7
90-91	0.152508	21,082	3,215	19,474	92,094	4.4
91-92	0.167658	17,867	2,995	16,369	72,620	4.1
92-93	0.183775	14,871	2,733	13,505	56,251	3.8
93-94	0.200818	12,138	2,438	10,919	42,746	3.5
94-95	0.218726	9,701	2,122	8,640	31,827	3.3
95-96	0.237416	7,579	1,799	6,679	23,187	3.1
96-97	0.256789	5,779	1,484	5,037	16,508	2.9
97-98	0.276723	4,295	1,189	3,701	11,470	2.7
98-99	0.297082	3,107	923	2,645	7,769	2.5
99-100	0.317720	2,184	694	1,837	5,124	2.3
<u>100 and over</u>	1.000000	1,490	1,490	3,287	3,287	2.2

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 5. Life table for white male population: United States, 2004**

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	0.006219	100,000	622	99,453	7,551,145	75.5
1-2	0.000464	99,378	46	99,355	7,451,693	75.0
2-3	0.000307	99,332	30	99,317	7,352,338	74.0
3-4	0.000227	99,302	23	99,290	7,253,021	73.0
4-5	0.000202	99,279	20	99,269	7,153,731	72.1
5-6	0.000178	99,259	18	99,250	7,054,462	71.1
6-7	0.000170	99,241	17	99,233	6,955,212	70.1
7-8	0.000160	99,224	16	99,216	6,855,979	69.1
8-9	0.000141	99,209	14	99,201	6,756,762	68.1
9-10	0.000116	99,194	11	99,189	6,657,561	67.1
10-11	0.000096	99,183	9	99,178	6,558,372	66.1
11-12	0.000101	99,174	10	99,169	6,459,194	65.1
12-13	0.000151	99,164	15	99,156	6,360,025	64.1
13-14	0.000258	99,149	26	99,136	6,260,869	63.1
14-15	0.000409	99,123	41	99,103	6,161,733	62.2
15-16	0.000575	99,082	57	99,054	6,062,631	61.2
16-17	0.000733	99,025	73	98,989	5,963,577	60.2
17-18	0.000880	98,953	87	98,909	5,864,588	59.3
18-19	0.001002	98,866	99	98,816	5,765,678	58.3
19-20	0.001103	98,767	109	98,712	5,666,862	57.4
20-21	0.001203	98,658	119	98,598	5,568,150	56.4
21-22	0.001299	98,539	128	98,475	5,469,551	55.5
22-23	0.001359	98,411	134	98,344	5,371,076	54.6
23-24	0.001375	98,277	135	98,210	5,272,732	53.7
24-25	0.001357	98,142	133	98,076	5,174,522	52.7
25-26	0.001326	98,009	130	97,944	5,076,446	51.8
26-27	0.001299	97,879	127	97,815	4,978,502	50.9
27-28	0.001275	97,752	125	97,690	4,880,687	49.9
28-29	0.001261	97,627	123	97,566	4,782,997	49.0
29-30	0.001260	97,504	123	97,443	4,685,431	48.1
30-31	0.001265	97,381	123	97,320	4,587,989	47.1
31-32	0.001278	97,258	124	97,196	4,490,669	46.2
32-33	0.001330	97,134	129	97,069	4,393,473	45.2
33-34	0.001372	97,005	133	96,938	4,296,404	44.3
34-35	0.001456	96,872	141	96,801	4,199,466	43.4
35-36	0.001555	96,731	150	96,655	4,102,664	42.4
36-37	0.001670	96,580	161	96,499	4,006,009	41.5

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 5. Life table for white male population: United States, 2004**

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)
37-38	0.001810	96,419	174	96,332	3,909,510	40.5
38-39	0.001972	96,244	190	96,149	3,813,178	39.6
39-40	0.002148	96,055	206	95,951	3,717,028	38.7
40-41	0.002330	95,848	223	95,737	3,621,077	37.8
41-42	0.002518	95,625	241	95,505	3,525,340	36.9
42-43	0.002726	95,384	260	95,254	3,429,836	36.0
43-44	0.002962	95,124	282	94,983	3,334,582	35.1
44-45	0.003228	94,842	306	94,689	3,239,598	34.2
45-46	0.003515	94,536	332	94,370	3,144,909	33.3
46-47	0.003815	94,204	359	94,024	3,050,539	32.4
47-48	0.004135	93,845	388	93,651	2,956,515	31.5
48-49	0.004475	93,457	418	93,248	2,862,864	30.6
49-50	0.004837	93,038	450	92,813	2,769,617	29.8
50-51	0.005236	92,588	485	92,346	2,676,803	28.9
51-52	0.005666	92,104	522	91,843	2,584,457	28.1
52-53	0.006099	91,582	559	91,303	2,492,614	27.2
53-54	0.006515	91,023	593	90,727	2,401,312	26.4
54-55	0.006928	90,430	626	90,117	2,310,585	25.6
55-56	0.007353	89,804	660	89,474	2,220,468	24.7
56-57	0.007831	89,143	698	88,794	2,130,994	23.9
57-58	0.008406	88,445	743	88,074	2,042,200	23.1
58-59	0.009126	87,702	800	87,302	1,954,126	22.3
59-60	0.010002	86,902	869	86,467	1,866,824	21.5
60-61	0.011045	86,032	950	85,557	1,780,357	20.7
61-62	0.012200	85,082	1,038	84,563	1,694,800	19.9
62-63	0.013400	84,044	1,126	83,481	1,610,237	19.2
63-64	0.014563	82,918	1,208	82,314	1,526,756	18.4
64-65	0.015710	81,711	1,284	81,069	1,444,442	17.7
65-66	0.016954	80,427	1,364	79,745	1,363,373	17.0
66-67	0.018415	79,063	1,456	78,335	1,283,628	16.2
67-68	0.020074	77,607	1,558	76,828	1,205,292	15.5
68-69	0.021925	76,050	1,667	75,216	1,128,464	14.8
69-70	0.023991	74,382	1,784	73,490	1,053,248	14.2
70-71	0.026183	72,598	1,901	71,647	979,758	13.5
71-72	0.028484	70,697	2,014	69,690	908,111	12.8
72-73	0.031153	68,683	2,140	67,613	838,421	12.2
73-74	0.034314	66,543	2,283	65,402	770,808	11.6

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 5. Life table for white male population: United States, 2004**

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)
74-75	0.037931	64,260	2,437	63,041	705,406	11.0
75-76	0.041774	61,823	2,583	60,531	642,364	10.4
76-77	0.045617	59,240	2,702	57,889	581,833	9.8
77-78	0.049875	56,538	2,820	55,128	523,944	9.3
78-79	0.054929	53,718	2,951	52,243	468,816	8.7
79-80	0.060794	50,767	3,086	49,224	416,574	8.2
80-81	0.067172	47,681	3,203	46,079	367,350	7.7
81-82	0.073952	44,478	3,289	42,833	321,271	7.2
82-83	0.081678	41,189	3,364	39,507	278,437	6.8
83-84	0.090164	37,825	3,410	36,119	238,930	6.3
84-85	0.099570	34,414	3,427	32,701	202,811	5.9
85-86	0.110649	30,988	3,429	29,273	170,110	5.5
86-87	0.122693	27,559	3,381	25,868	140,837	5.1
87-88	0.135729	24,178	3,282	22,537	114,969	4.8
88-89	0.149769	20,896	3,130	19,331	92,432	4.4
89-90	0.164810	17,766	2,928	16,302	73,101	4.1
90-91	0.180833	14,838	2,683	13,497	56,799	3.8
91-92	0.197800	12,155	2,404	10,953	43,302	3.6
92-93	0.215652	9,751	2,103	8,699	32,349	3.3
93-94	0.234310	7,648	1,792	6,752	23,650	3.1
94-95	0.253675	5,856	1,486	5,113	16,898	2.9
95-96	0.273627	4,370	1,196	3,773	11,784	2.7
96-97	0.294031	3,175	933	2,708	8,012	2.5
97-98	0.314739	2,241	705	1,888	5,304	2.4
98-99	0.335591	1,536	515	1,278	3,416	2.2
99-100	0.356426	1,020	364	839	2,137	2.1
100 and over	1.000000	657	657	1,299	1,299	2.0

**Table 6. Life table for white females: United States, 2004**

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	0.005066	100,000	507	99,555	8,050,603	80.5
1-2	0.000424	99,493	42	99,472	7,951,049	79.9
2-3	0.000236	99,451	23	99,439	7,851,577	78.9
3-4	0.000179	99,428	18	99,419	7,752,137	78.0
4-5	0.000154	99,410	15	99,402	7,652,718	77.0
5-6	0.000136	99,395	13	99,388	7,553,316	76.0
6-7	0.000127	99,381	13	99,375	7,453,928	75.0
7-8	0.000119	99,369	12	99,363	7,354,553	74.0
8-9	0.000110	99,357	11	99,351	7,255,190	73.0
9-10	0.000100	99,346	10	99,341	7,155,839	72.0
10-11	0.000092	99,336	9	99,331	7,056,498	71.0
11-12	0.000096	99,327	9	99,322	6,957,167	70.0
12-13	0.000118	99,317	12	99,311	6,857,845	69.0
13-14	0.000166	99,306	16	99,297	6,758,534	68.1
14-15	0.000231	99,289	23	99,278	6,659,236	67.1
15-16	0.000306	99,266	30	99,251	6,559,959	66.1
16-17	0.000376	99,236	37	99,217	6,460,708	65.1
17-18	0.000427	99,198	42	99,177	6,361,491	64.1
18-19	0.000449	99,156	44	99,134	6,262,313	63.2
19-20	0.000448	99,112	44	99,089	6,163,179	62.2
20-21	0.000442	99,067	44	99,045	6,064,090	61.2
21-22	0.000442	99,023	44	99,002	5,965,045	60.2
22-23	0.000443	98,980	44	98,958	5,866,043	59.3
23-24	0.000448	98,936	44	98,914	5,767,085	58.3
24-25	0.000456	98,892	45	98,869	5,668,172	57.3
25-26	0.000466	98,846	46	98,823	5,569,303	56.3
26-27	0.000478	98,800	47	98,777	5,470,479	55.4
27-28	0.000493	98,753	49	98,729	5,371,702	54.4
28-29	0.000513	98,705	51	98,679	5,272,974	53.4
29-30	0.000536	98,654	53	98,627	5,174,294	52.4
30-31	0.000565	98,601	56	98,573	5,075,667	51.5
31-32	0.000601	98,545	59	98,516	4,977,094	50.5
32-33	0.000649	98,486	64	98,454	4,878,578	49.5
33-34	0.000691	98,422	68	98,388	4,780,124	48.6
34-35	0.000748	98,354	74	98,317	4,681,736	47.6
35-36	0.000812	98,281	80	98,241	4,583,419	46.6
36-37	0.000886	98,201	87	98,157	4,485,178	45.7
37-38	0.000976	98,114	96	98,066	4,387,021	44.7

Source: CDC/NCHS, National Vital Statistics System, Mortality.



**Table 6. Life table for white females: United States, 2004**

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)
38-39	0.001082	98,018	106	97,965	4,288,955	43.8
39-40	0.001197	97,912	117	97,853	4,190,990	42.8
40-41	0.001312	97,795	128	97,731	4,093,137	41.9
41-42	0.001428	97,666	139	97,597	3,995,406	40.9
42-43	0.001555	97,527	152	97,451	3,897,810	40.0
43-44	0.001699	97,375	165	97,293	3,800,358	39.0
44-45	0.001860	97,210	181	97,119	3,703,066	38.1
45-46	0.002040	97,029	198	96,930	3,605,947	37.2
46-47	0.002226	96,831	216	96,723	3,509,017	36.2
47-48	0.002404	96,615	232	96,499	3,412,293	35.3
48-49	0.002567	96,383	247	96,259	3,315,794	34.4
49-50	0.002725	96,136	262	96,005	3,219,534	33.5
50-51	0.002892	95,874	277	95,735	3,123,530	32.6
51-52	0.003091	95,597	295	95,449	3,027,795	31.7
52-53	0.003333	95,301	318	95,142	2,932,346	30.8
53-54	0.003631	94,983	345	94,811	2,837,204	29.9
54-55	0.003977	94,639	376	94,450	2,742,393	29.0
55-56	0.004357	94,262	411	94,057	2,647,942	28.1
56-57	0.004764	93,852	447	93,628	2,553,885	27.2
57-58	0.005215	93,404	487	93,161	2,460,257	26.3
58-59	0.005724	92,917	532	92,651	2,367,097	25.5
59-60	0.006304	92,385	582	92,094	2,274,445	24.6
60-61	0.006992	91,803	642	91,482	2,182,351	23.8
61-62	0.007766	91,161	708	90,807	2,090,869	22.9
62-63	0.008563	90,453	775	90,066	2,000,062	22.1
63-64	0.009336	89,679	837	89,260	1,909,996	21.3
64-65	0.010107	88,841	898	88,392	1,820,736	20.5
65-66	0.010961	87,943	964	87,461	1,732,344	19.7
66-67	0.011981	86,980	1,042	86,458	1,644,882	18.9
67-68	0.013147	85,937	1,130	85,373	1,558,424	18.1
68-69	0.014431	84,808	1,224	84,196	1,473,051	17.4
69-70	0.015900	83,584	1,329	82,919	1,388,856	16.6
70-71	0.017505	82,255	1,440	81,535	1,305,936	15.9
71-72	0.019203	80,815	1,552	80,039	1,224,401	15.2
72-73	0.021153	79,263	1,677	78,425	1,144,363	14.4
73-74	0.023359	77,586	1,812	76,680	1,065,938	13.7
74-75	0.025707	75,774	1,948	74,800	989,258	13.1
75-76	0.028112	73,826	2,075	72,788	914,458	12.4

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 6. Life table for white females: United States, 2004**

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)
76-77	0.030764	71,751	2,207	70,647	841,669	11.7
77-78	0.033924	69,543	2,359	68,364	771,022	11.1
78-79	0.037627	67,184	2,528	65,920	702,658	10.5
79-80	0.041956	64,656	2,713	63,300	636,738	9.8
80-81	0.046773	61,944	2,897	60,495	573,438	9.3
81-82	0.052073	59,046	3,075	57,509	512,943	8.7
82-83	0.058068	55,972	3,250	54,346	455,434	8.1
83-84	0.064749	52,721	3,414	51,015	401,088	7.6
84-85	0.072380	49,308	3,569	47,523	350,073	7.1
85-86	0.081282	45,739	3,718	43,880	302,550	6.6
86-87	0.091136	42,021	3,830	40,106	258,670	6.2
87-88	0.101978	38,191	3,895	36,244	218,564	5.7
88-89	0.113854	34,297	3,905	32,344	182,320	5.3
89-90	0.126802	30,392	3,854	28,465	149,975	4.9
90-91	0.140847	26,538	3,738	24,669	121,510	4.6
91-92	0.155999	22,800	3,557	21,022	96,841	4.2
92-93	0.172247	19,244	3,315	17,586	75,819	3.9
93-94	0.189559	15,929	3,019	14,419	58,233	3.7
94-95	0.207880	12,909	2,684	11,568	43,813	3.4
95-96	0.227128	10,226	2,323	9,065	32,246	3.2
96-97	0.247198	7,903	1,954	6,926	23,181	2.9
97-98	0.267960	5,950	1,594	5,152	16,255	2.7
98-99	0.289264	4,355	1,260	3,725	11,102	2.5
99-100	0.310941	3,095	963	2,614	7,377	2.4
100 and over	1.000000	2,133	2,133	4,763	4,763	2.2

**Table 7. Life table for Black population: United States, 2004**

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	0.013836	100,000	1,384	98,785	7,291,196	72.9
1-2	0.000751	98,616	74	98,579	7,192,412	72.9
2-3	0.000458	98,542	45	98,520	7,093,832	72.0
3-4	0.000358	98,497	35	98,480	6,995,313	71.0
4-5	0.000283	98,462	28	98,448	6,896,833	70.0
5-6	0.000263	98,434	26	98,421	6,798,385	69.1
6-7	0.000236	98,408	23	98,397	6,699,964	68.1
7-8	0.000214	98,385	21	98,375	6,601,567	67.1
8-9	0.000192	98,364	19	98,355	6,503,192	66.1
9-10	0.000173	98,345	17	98,337	6,404,837	65.1
10-11	0.000162	98,328	16	98,320	6,306,501	64.1
11-12	0.000171	98,312	17	98,304	6,208,180	63.1
12-13	0.000210	98,296	21	98,285	6,109,877	62.2
13-14	0.000288	98,275	28	98,261	6,011,591	61.2
14-15	0.000400	98,247	39	98,227	5,913,331	60.2
15-16	0.000529	98,207	52	98,181	5,815,104	59.2
16-17	0.000663	98,155	65	98,123	5,716,922	58.2
17-18	0.000801	98,090	79	98,051	5,618,799	57.3
18-19	0.000934	98,012	92	97,966	5,520,748	56.3
19-20	0.001059	97,920	104	97,868	5,422,782	55.4
20-21	0.001190	97,817	116	97,758	5,324,914	54.4
21-22	0.001322	97,700	129	97,636	5,227,156	53.5
22-23	0.001432	97,571	140	97,501	5,129,520	52.6
23-24	0.001511	97,431	147	97,358	5,032,019	51.6
24-25	0.001568	97,284	153	97,208	4,934,661	50.7
25-26	0.001624	97,131	158	97,053	4,837,453	49.8
26-27	0.001684	96,974	163	96,892	4,740,401	48.9
27-28	0.001733	96,810	168	96,727	4,643,509	48.0
28-29	0.001766	96,643	171	96,557	4,546,782	47.0
29-30	0.001791	96,472	173	96,386	4,450,225	46.1
30-31	0.001815	96,299	175	96,212	4,353,839	45.2
31-32	0.001851	96,124	178	96,036	4,257,627	44.3
32-33	0.001944	95,947	187	95,853	4,161,592	43.4
33-34	0.001975	95,760	189	95,665	4,065,738	42.5
34-35	0.002073	95,571	198	95,472	3,970,073	41.5
35-36	0.002187	95,373	209	95,268	3,874,601	40.6
36-37	0.002321	95,164	221	95,054	3,779,332	39.7
37-38	0.002494	94,943	237	94,825	3,684,279	38.8

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 7. Life table for Black population: United States, 2004**

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)
38-39	0.002710	94,707	257	94,578	3,589,454	37.9
39-40	0.002956	94,450	279	94,310	3,494,876	37.0
40-41	0.003208	94,171	302	94,020	3,400,565	36.1
41-42	0.003472	93,869	326	93,706	3,306,546	35.2
42-43	0.003779	93,543	353	93,366	3,212,840	34.3
43-44	0.004145	93,189	386	92,996	3,119,474	33.5
44-45	0.004569	92,803	424	92,591	3,026,478	32.6
45-46	0.005028	92,379	465	92,147	2,933,887	31.8
46-47	0.005506	91,914	506	91,661	2,841,740	30.9
47-48	0.006009	91,408	549	91,134	2,750,079	30.1
48-49	0.006532	90,859	594	90,562	2,658,945	29.3
49-50	0.007077	90,266	639	89,946	2,568,383	28.5
50-51	0.007670	89,627	687	89,283	2,478,437	27.7
51-52	0.008302	88,939	738	88,570	2,389,154	26.9
52-53	0.008933	88,201	788	87,807	2,300,583	26.1
53-54	0.009547	87,413	835	86,996	2,212,776	25.3
54-55	0.010164	86,579	880	86,139	2,125,781	24.6
55-56	0.010829	85,699	928	85,235	2,039,642	23.8
56-57	0.011571	84,771	981	84,280	1,954,407	23.1
57-58	0.012379	83,790	1,037	83,271	1,870,127	22.3
58-59	0.013258	82,752	1,097	82,204	1,786,856	21.6
59-60	0.014212	81,655	1,160	81,075	1,704,653	20.9
60-61	0.015271	80,495	1,229	79,880	1,623,578	20.2
61-62	0.016438	79,266	1,303	78,614	1,543,697	19.5
62-63	0.017661	77,963	1,377	77,274	1,465,083	18.8
63-64	0.018885	76,586	1,446	75,863	1,387,809	18.1
64-65	0.020102	75,139	1,510	74,384	1,311,946	17.5
65-66	0.021339	73,629	1,571	72,843	1,237,562	16.8
66-67	0.022693	72,058	1,635	71,240	1,164,719	16.2
67-68	0.024227	70,423	1,706	69,570	1,093,479	15.5
68-69	0.025987	68,717	1,786	67,824	1,023,909	14.9
69-70	0.027943	66,931	1,870	65,996	956,085	14.3
70-71	0.030083	65,061	1,957	64,082	890,090	13.7
71-72	0.032429	63,103	2,046	62,080	826,008	13.1
72-73	0.034999	61,057	2,137	59,989	763,927	12.5
73-74	0.037807	58,920	2,228	57,806	703,939	11.9
74-75	0.041097	56,692	2,330	55,528	646,133	11.4
75-76	0.044759	54,363	2,433	53,146	590,605	10.9

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 7. Life table for Black population: United States, 2004**

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)
76-77	0.048353	51,929	2,511	50,674	537,459	10.3
77-78	0.052344	49,418	2,587	48,125	486,785	9.9
78-79	0.056717	46,832	2,656	45,504	438,660	9.4
79-80	0.060956	44,176	2,693	42,829	393,156	8.9
80-81	0.065727	41,483	2,727	40,120	350,327	8.4
81-82	0.071093	38,756	2,755	37,379	310,208	8.0
82-83	0.076690	36,001	2,761	34,620	272,829	7.6
83-84	0.083397	33,240	2,772	31,854	238,209	7.2
84-85	0.090599	30,468	2,760	29,088	206,355	6.8
85-86	0.098319	27,708	2,724	26,345	177,267	6.4
86-87	0.106575	24,983	2,663	23,652	150,922	6.0
87-88	0.115384	22,321	2,575	21,033	127,270	5.7
88-89	0.124758	19,745	2,463	18,514	106,236	5.4
89-90	0.134708	17,282	2,328	16,118	87,723	5.1
90-91	0.145239	14,954	2,172	13,868	71,605	4.8
91-92	0.156351	12,782	1,998	11,783	57,737	4.5
92-93	0.168039	10,784	1,812	9,878	45,954	4.3
93-94	0.180292	8,971	1,617	8,163	36,077	4.0
94-95	0.193093	7,354	1,420	6,644	27,914	3.8
95-96	0.206417	5,934	1,225	5,322	21,270	3.6
96-97	0.220233	4,709	1,037	4,191	15,948	3.4
97-98	0.234502	3,672	861	3,241	11,758	3.2
98-99	0.249180	2,811	700	2,461	8,516	3.0
99-100	0.264215	2,110	558	1,832	6,056	2.9
100 and over	1.000000	1,553	1,553	4,224	4,224	2.7

**Table 8. Life table for black males: United States, 2004**

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	0.015251	100,000	1,525	98,662	6,942,821	69.4
1-2	0.000802	98,475	79	98,435	6,844,159	69.5
2-3	0.000487	98,396	48	98,372	6,745,724	68.6
3-4	0.000406	98,348	40	98,328	6,647,352	67.6
4-5	0.000311	98,308	31	98,293	6,549,024	66.6
5-6	0.000284	98,278	28	98,264	6,450,731	65.6
6-7	0.000259	98,250	25	98,237	6,352,467	64.7
7-8	0.000235	98,224	23	98,213	6,254,230	63.7
8-9	0.000204	98,201	20	98,191	6,156,018	62.7
9-10	0.000169	98,181	17	98,173	6,057,827	61.7
10-11	0.000146	98,164	14	98,157	5,959,654	60.7
11-12	0.000153	98,150	15	98,143	5,861,497	59.7
12-13	0.000214	98,135	21	98,125	5,763,354	58.7
13-14	0.000344	98,114	34	98,097	5,665,230	57.7
14-15	0.000532	98,080	52	98,054	5,567,132	56.8
15-16	0.000748	98,028	73	97,991	5,469,078	55.8
16-17	0.000968	97,955	95	97,907	5,371,087	54.8
17-18	0.001193	97,860	117	97,802	5,273,179	53.9
18-19	0.001407	97,743	138	97,675	5,175,378	52.9
19-20	0.001607	97,606	157	97,527	5,077,703	52.0
20-21	0.001816	97,449	177	97,360	4,980,176	51.1
21-22	0.002026	97,272	197	97,173	4,882,815	50.2
22-23	0.002198	97,075	213	96,968	4,785,642	49.3
23-24	0.002319	96,862	225	96,749	4,688,674	48.4
24-25	0.002401	96,637	232	96,521	4,591,925	47.5
25-26	0.002476	96,405	239	96,285	4,495,404	46.6
26-27	0.002554	96,166	246	96,043	4,399,118	45.7
27-28	0.002603	95,921	250	95,796	4,303,075	44.9
28-29	0.002616	95,671	250	95,546	4,207,279	44.0
29-30	0.002605	95,421	249	95,296	4,111,734	43.1
30-31	0.002585	95,172	246	95,049	4,016,437	42.2
31-32	0.002577	94,926	245	94,804	3,921,388	41.3
32-33	0.002677	94,681	253	94,555	3,826,585	40.4
33-34	0.002658	94,428	251	94,302	3,732,030	39.5
34-35	0.002757	94,177	260	94,047	3,637,728	38.6
35-36	0.002881	93,917	271	93,782	3,543,681	37.7
36-37	0.003027	93,647	283	93,505	3,449,899	36.8
37-38	0.003205	93,363	299	93,214	3,356,394	35.9

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 8. Life table for black males: United States, 2004**

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)
38-39	0.003413	93,064	318	92,905	3,263,180	35.1
39-40	0.003649	92,746	338	92,577	3,170,275	34.2
40-41	0.003891	92,408	360	92,228	3,077,698	33.3
41-42	0.004164	92,048	383	91,857	2,985,470	32.4
42-43	0.004520	91,665	414	91,458	2,893,613	31.6
43-44	0.004991	91,251	455	91,023	2,802,155	30.7
44-45	0.005565	90,795	505	90,543	2,711,132	29.9
45-46	0.006193	90,290	559	90,010	2,620,589	29.0
46-47	0.006841	89,731	614	89,424	2,530,579	28.2
47-48	0.007526	89,117	671	88,782	2,441,155	27.4
48-49	0.008241	88,446	729	88,082	2,352,373	26.6
49-50	0.008988	87,718	788	87,323	2,264,291	25.8
50-51	0.009807	86,929	853	86,503	2,176,968	25.0
51-52	0.010682	86,077	919	85,617	2,090,465	24.3
52-53	0.011549	85,157	984	84,665	2,004,848	23.5
53-54	0.012379	84,174	1,042	83,653	1,920,182	22.8
54-55	0.013194	83,132	1,097	82,583	1,836,530	22.1
55-56	0.014064	82,035	1,154	81,458	1,753,946	21.4
56-57	0.015034	80,881	1,216	80,273	1,672,488	20.7
57-58	0.016081	79,665	1,281	79,025	1,592,215	20.0
58-59	0.017212	78,384	1,349	77,709	1,513,191	19.3
59-60	0.018437	77,035	1,420	76,325	1,435,481	18.6
60-61	0.019792	75,615	1,497	74,866	1,359,157	18.0
61-62	0.021282	74,118	1,577	73,329	1,284,290	17.3
62-63	0.022835	72,541	1,656	71,712	1,210,961	16.7
63-64	0.024370	70,884	1,727	70,020	1,139,249	16.1
64-65	0.025870	69,157	1,789	68,262	1,069,228	15.5
65-66	0.027362	67,368	1,843	66,446	1,000,966	14.9
66-67	0.029001	65,524	1,900	64,574	934,520	14.3
67-68	0.030831	63,624	1,962	62,643	869,946	13.7
68-69	0.033028	61,662	2,037	60,644	807,303	13.1
69-70	0.035530	59,626	2,118	58,567	746,659	12.5
70-71	0.038202	57,507	2,197	56,409	688,092	12.0
71-72	0.041145	55,310	2,276	54,173	631,683	11.4
72-73	0.044422	53,035	2,356	51,857	577,511	10.9
73-74	0.047956	50,679	2,430	49,464	525,654	10.4
74-75	0.051938	48,248	2,506	46,995	476,190	9.9
75-76	0.056666	45,743	2,592	44,446	429,195	9.4

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 8. Life table for black males: United States, 2004**

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)
76-77	0.061713	43,150	2,663	41,819	384,748	8.9
77-78	0.067008	40,488	2,713	39,131	342,929	8.5
78-79	0.072529	37,775	2,740	36,405	303,798	8.0
79-80	0.077476	35,035	2,714	33,678	267,394	7.6
80-81	0.082570	32,320	2,669	30,986	233,716	7.2
81-82	0.088859	29,652	2,635	28,334	202,730	6.8
82-83	0.096569	27,017	2,609	25,712	174,396	6.5
83-84	0.104826	24,408	2,559	23,129	148,683	6.1
84-85	0.113648	21,849	2,483	20,608	125,555	5.7
85-86	0.123050	19,366	2,383	18,175	104,947	5.4
86-87	0.133043	16,983	2,259	15,853	86,772	5.1
87-88	0.143632	14,724	2,115	13,666	70,919	4.8
88-89	0.154821	12,609	1,952	11,633	57,253	4.5
89-90	0.166603	10,657	1,775	9,769	45,620	4.3
90-91	0.178968	8,881	1,589	8,087	35,851	4.0
91-92	0.191899	7,292	1,399	6,592	27,764	3.8
92-93	0.205370	5,893	1,210	5,287	21,172	3.6
93-94	0.219351	4,682	1,027	4,169	15,884	3.4
94-95	0.233801	3,655	855	3,228	11,716	3.2
95-96	0.248673	2,801	696	2,452	8,488	3.0
96-97	0.263915	2,104	555	1,827	6,035	2.9
97-98	0.279466	1,549	433	1,332	4,208	2.7
98-99	0.295262	1,116	330	951	2,876	2.6
99-100	0.311233	787	245	664	1,925	2.4
100 and over	1.000000	542	542	1,261	1,261	2.3



**Table 9. Life table for black females: United States, 2004**

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	0.012367	100,000	1,237	98,912	7,609,524	76.1
1-2	0.000697	98,763	69	98,729	7,510,612	76.0
2-3	0.000428	98,695	42	98,673	7,411,883	75.1
3-4	0.000308	98,652	30	98,637	7,313,210	74.1
4-5	0.000255	98,622	25	98,609	7,214,573	73.2
5-6	0.000240	98,597	24	98,585	7,115,963	72.2
6-7	0.000212	98,573	21	98,563	7,017,378	71.2
7-8	0.000192	98,552	19	98,543	6,918,816	70.2
8-9	0.000180	98,533	18	98,525	6,820,273	69.2
9-10	0.000176	98,516	17	98,507	6,721,748	68.2
10-11	0.000179	98,498	18	98,489	6,623,241	67.2
11-12	0.000189	98,481	19	98,471	6,524,752	66.3
12-13	0.000206	98,462	20	98,452	6,426,280	65.3
13-14	0.000230	98,442	23	98,431	6,327,829	64.3
14-15	0.000263	98,419	26	98,406	6,229,398	63.3
15-16	0.000302	98,393	30	98,378	6,130,992	62.3
16-17	0.000346	98,364	34	98,347	6,032,613	61.3
17-18	0.000396	98,330	39	98,310	5,934,267	60.4
18-19	0.000448	98,291	44	98,269	5,835,957	59.4
19-20	0.000501	98,247	49	98,222	5,737,688	58.4
20-21	0.000558	98,197	55	98,170	5,639,466	57.4
21-22	0.000618	98,143	61	98,112	5,541,296	56.5
22-23	0.000675	98,082	66	98,049	5,443,183	55.5
23-24	0.000727	98,016	71	97,980	5,345,135	54.5
24-25	0.000777	97,945	76	97,907	5,247,154	53.6
25-26	0.000833	97,868	82	97,828	5,149,248	52.6
26-27	0.000896	97,787	88	97,743	5,051,420	51.7
27-28	0.000959	97,699	94	97,652	4,953,677	50.7
28-29	0.001017	97,606	99	97,556	4,856,025	49.8
29-30	0.001073	97,506	105	97,454	4,758,469	48.8
30-31	0.001135	97,402	111	97,347	4,661,015	47.9
31-32	0.001206	97,291	117	97,233	4,563,668	46.9
32-33	0.001302	97,174	127	97,111	4,466,435	46.0
33-34	0.001368	97,047	133	96,981	4,369,325	45.0
34-35	0.001466	96,915	142	96,844	4,272,344	44.1
35-36	0.001570	96,773	152	96,697	4,175,500	43.1
36-37	0.001693	96,621	164	96,539	4,078,803	42.2
37-38	0.001863	96,457	180	96,367	3,982,265	41.3

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 9. Life table for black females: United States, 2004**

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)
38-39	0.002086	96,277	201	96,177	3,885,897	40.4
39-40	0.002341	96,077	225	95,964	3,789,720	39.4
40-41	0.002604	95,852	250	95,727	3,693,756	38.5
41-42	0.002861	95,602	274	95,465	3,598,029	37.6
42-43	0.003124	95,329	298	95,180	3,502,564	36.7
43-44	0.003397	95,031	323	94,869	3,407,384	35.9
44-45	0.003688	94,708	349	94,533	3,312,515	35.0
45-46	0.003998	94,359	377	94,170	3,217,982	34.1
46-47	0.004325	93,981	406	93,778	3,123,812	33.2
47-48	0.004668	93,575	437	93,357	3,030,033	32.4
48-49	0.005027	93,138	468	92,904	2,936,677	31.5
49-50	0.005403	92,670	501	92,420	2,843,773	30.7
50-51	0.005810	92,169	535	91,901	2,751,353	29.9
51-52	0.006242	91,634	572	91,348	2,659,452	29.0
52-53	0.006681	91,062	608	90,758	2,568,104	28.2
53-54	0.007122	90,453	644	90,131	2,477,347	27.4
54-55	0.007578	89,809	681	89,469	2,387,215	26.6
55-56	0.008077	89,129	720	88,769	2,297,746	25.8
56-57	0.008640	88,409	764	88,027	2,208,978	25.0
57-58	0.009264	87,645	812	87,239	2,120,951	24.2
58-59	0.009957	86,833	865	86,401	2,033,712	23.4
59-60	0.010721	85,968	922	85,507	1,947,312	22.7
60-61	0.011580	85,047	985	84,554	1,861,804	21.9
61-62	0.012533	84,062	1,054	83,535	1,777,250	21.1
62-63	0.013539	83,008	1,124	82,446	1,693,715	20.4
63-64	0.014555	81,884	1,192	81,289	1,611,268	19.7
64-65	0.015582	80,693	1,257	80,064	1,529,980	19.0
65-66	0.016651	79,435	1,323	78,774	1,449,916	18.3
66-67	0.017809	78,113	1,391	77,417	1,371,142	17.6
67-68	0.019160	76,721	1,470	75,986	1,293,725	16.9
68-69	0.020657	75,252	1,554	74,474	1,217,739	16.2
69-70	0.022296	73,697	1,643	72,875	1,143,264	15.5
70-71	0.024155	72,054	1,740	71,184	1,070,389	14.9
71-72	0.026187	70,313	1,841	69,393	999,205	14.2
72-73	0.028407	68,472	1,945	67,500	929,812	13.6
73-74	0.030889	66,527	2,055	65,500	862,313	13.0
74-75	0.033896	64,472	2,185	63,379	796,813	12.4
75-76	0.037081	62,287	2,310	61,132	733,434	11.8

Source: CDC/NCHS, National Vital Statistics System, Mortality.

**Table 9. Life table for black females: United States, 2004**

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)
76-77	0.039987	59,977	2,398	58,778	672,302	11.2
77-78	0.043426	57,579	2,500	56,329	613,524	10.7
78-79	0.047367	55,078	2,609	53,774	557,195	10.1
79-80	0.051457	52,469	2,700	51,119	503,422	9.6
80-81	0.056287	49,770	2,801	48,369	452,302	9.1
81-82	0.061458	46,968	2,887	45,525	403,933	8.6
82-83	0.066949	44,082	2,951	42,606	358,408	8.1
83-84	0.073262	41,130	3,013	39,624	315,802	7.7
84-85	0.080090	38,117	3,053	36,591	276,179	7.2
85-86	0.087461	35,064	3,067	33,531	239,588	6.8
86-87	0.095399	31,998	3,053	30,471	206,057	6.4
87-88	0.103929	28,945	3,008	27,441	175,586	6.1
88-89	0.113071	25,937	2,933	24,470	148,145	5.7
89-90	0.122841	23,004	2,826	21,591	123,675	5.4
90-91	0.133253	20,178	2,689	18,834	102,083	5.1
91-92	0.144312	17,489	2,524	16,227	83,250	4.8
92-93	0.156021	14,965	2,335	13,798	67,022	4.5
93-94	0.168374	12,631	2,127	11,567	53,224	4.2
94-95	0.181358	10,504	1,905	9,551	41,657	4.0
95-96	0.194951	8,599	1,676	7,761	32,105	3.7
96-97	0.209123	6,923	1,448	6,199	24,345	3.5
97-98	0.223838	5,475	1,225	4,862	18,146	3.3
98-99	0.239046	4,249	1,016	3,742	13,284	3.1
99-100	0.254694	3,234	824	2,822	9,542	3.0
100 and over	1.000000	2,410	2,410	6,721	6,721	2.8