

Table 1. Life table for the total population: United States, 2002

Age	Probability	Number	Number	Person-years	Total	Expectation of life at age x
	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	between ages x to x+1	person-years lived above age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
0-1	0.006971	100,000	697	99,389	7,703,327	77.0
1-2	0.000492	99,303	49	99,279	7,603,938	76.6
2-3	0.000322	99,254	32	99,238	7,504,660	75.6
3-4	0.000234	99,222	23	99,210	7,405,422	74.6
4-5	0.000200	99,199	20	99,189	7,306,211	73.7
5-6	0.000178	99,179	18	99,170	7,207,022	72.7
6-7	0.000165	99,161	16	99,153	7,107,852	71.7
7-8	0.000154	99,145	15	99,137	7,008,699	70.7
8-9	0.000140	99,130	14	99,123	6,909,561	69.7
9-10	0.000124	99,116	12	99,110	6,810,438	68.7
10-11	0.000113	99,104	11	99,098	6,711,329	67.7
11-12	0.000119	99,092	12	99,087	6,612,231	66.7
12-13	0.000157	99,081	16	99,073	6,513,144	65.7
13-14	0.000236	99,065	23	99,053	6,414,071	64.7
14-15	0.000346	99,042	34	99,025	6,315,018	63.8
15-16	0.000470	99,007	47	98,984	6,215,993	62.8
16-17	0.000589	98,961	58	98,932	6,117,009	61.8
17-18	0.000694	98,903	69	98,868	6,018,077	60.8
18-19	0.000773	98,834	76	98,796	5,919,209	59.9
19-20	0.000829	98,758	82	98,717	5,820,413	58.9
20-21	0.000884	98,676	87	98,632	5,721,696	58.0
21-22	0.000939	98,588	93	98,542	5,623,064	57.0
22-23	0.000973	98,496	96	98,448	5,524,522	56.1
23-24	0.000982	98,400	97	98,352	5,426,074	55.1
24-25	0.000973	98,303	96	98,256	5,327,722	54.2
25-26	0.000958	98,208	94	98,161	5,229,467	53.2
26-27	0.000948	98,114	93	98,067	5,131,306	52.3
27-28	0.000947	98,021	93	97,974	5,033,239	51.3
28-29	0.000961	97,928	94	97,881	4,935,265	50.4
29-30	0.000988	97,834	97	97,785	4,837,384	49.4
30-31	0.001021	97,737	100	97,687	4,739,598	48.5
31-32	0.001060	97,637	104	97,586	4,641,911	47.5
32-33	0.001125	97,534	110	97,479	4,544,326	46.6
33-34	0.001184	97,424	115	97,366	4,446,847	45.6
34-35	0.001272	97,309	124	97,247	4,349,480	44.7
35-36	0.001369	97,185	133	97,119	4,252,233	43.8
36-37	0.001477	97,052	143	96,980	4,155,115	42.8

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

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	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	between ages x to x+1	person-years lived above age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
37-38	0.001603	96,909	155	96,831	4,058,134	41.9
38-39	0.001748	96,753	169	96,669	3,961,303	40.9
39-40	0.001906	96,584	184	96,492	3,864,635	40.0
40-41	0.002071	96,400	200	96,300	3,768,142	39.1
41-42	0.002241	96,200	216	96,093	3,671,842	38.2
42-43	0.002421	95,985	232	95,869	3,575,750	37.3
43-44	0.002616	95,752	250	95,627	3,479,881	36.3
44-45	0.002829	95,502	270	95,367	3,384,254	35.4
45-46	0.003063	95,232	292	95,086	3,288,887	34.5
46-47	0.003313	94,940	314	94,783	3,193,801	33.6
47-48	0.003575	94,626	338	94,457	3,099,018	32.8
48-49	0.003845	94,287	363	94,106	3,004,561	31.9
49-50	0.004126	93,925	388	93,731	2,910,455	31.0
50-51	0.004428	93,537	414	93,330	2,816,724	30.1
51-52	0.004758	93,123	443	92,902	2,723,394	29.2
52-53	0.005117	92,680	474	92,443	2,630,492	28.4
53-54	0.005511	92,206	508	91,952	2,538,050	27.5
54-55	0.005950	91,698	546	91,425	2,446,098	26.7
55-56	0.006441	91,152	587	90,858	2,354,673	25.8
56-57	0.006987	90,565	633	90,249	2,263,815	25.0
57-58	0.007592	89,932	683	89,591	2,173,566	24.2
58-59	0.008264	89,249	738	88,881	2,083,975	23.4
59-60	0.009017	88,512	798	88,113	1,995,095	22.5
60-61	0.009896	87,714	868	87,280	1,906,982	21.7
61-62	0.010896	86,846	946	86,373	1,819,702	21.0
62-63	0.011950	85,899	1,026	85,386	1,733,330	20.2
63-64	0.013002	84,873	1,104	84,321	1,647,944	19.4
64-65	0.014065	83,769	1,178	83,180	1,563,623	18.7
65-66	0.015186	82,591	1,254	81,964	1,480,442	17.9
66-67	0.016476	81,337	1,340	80,667	1,398,478	17.2
67-68	0.017966	79,997	1,437	79,278	1,317,811	16.5
68-69	0.019679	78,560	1,546	77,787	1,238,533	15.8
69-70	0.021592	77,014	1,663	76,182	1,160,746	15.1
70-71	0.023555	75,351	1,775	74,463	1,084,564	14.4
71-72	0.025595	73,576	1,883	72,634	1,010,101	13.7
72-73	0.027914	71,693	2,001	70,692	937,466	13.1
73-74	0.030595	69,692	2,132	68,625	866,774	12.4

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

Table 1. Life table for the total population: United States, 2002

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	0.033576	67,559	2,268	66,425	798,149	11.8
75-76	0.036709	65,291	2,397	64,093	731,724	11.2
76-77	0.040112	62,894	2,523	61,633	667,631	10.6
77-78	0.043903	60,371	2,650	59,046	605,998	10.0
78-79	0.048051	57,721	2,774	56,334	546,952	9.5
79-80	0.052856	54,947	2,904	53,495	490,618	8.9
80-81	0.058333	52,043	3,036	50,525	437,123	8.4
81-82	0.064355	49,007	3,154	47,430	386,598	7.9
82-83	0.071232	45,853	3,266	44,220	339,167	7.4
83-84	0.078806	42,587	3,356	40,909	294,947	6.9
84-85	0.087065	39,231	3,416	37,523	254,038	6.5
85-86	0.096754	35,815	3,465	34,083	216,515	6.0
86-87	0.107323	32,350	3,472	30,614	182,432	5.6
87-88	0.118804	28,878	3,431	27,163	151,818	5.3
88-89	0.131226	25,447	3,339	23,778	124,655	4.9
89-90	0.144604	22,108	3,197	20,510	100,878	4.6
90-91	0.158941	18,911	3,006	17,408	80,368	4.2
91-92	0.174225	15,905	2,771	14,520	62,960	4.0
92-93	0.190428	13,134	2,501	11,884	48,440	3.7
93-94	0.207502	10,633	2,206	9,530	36,556	3.4
94-95	0.225383	8,427	1,899	7,477	27,026	3.2
95-96	0.243986	6,527	1,593	5,731	19,549	3.0
96-97	0.263208	4,935	1,299	4,285	13,818	2.8
97-98	0.282931	3,636	1,029	3,122	9,533	2.6
98-99	0.303023	2,607	790	2,212	6,411	2.5
99-100	0.323338	1,817	588	1,523	4,199	2.3
<u>100 and over</u>	1.000000	1,230	1,230	2,676	2,676	2.2

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

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

Age	Probability	Number	Number	Person-years	Total	Expectation of life at age x
	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	between ages x to x+1	person-years lived above age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
0-1	0.007639	100,000	764	99,332	7,435,292	74.4
1-2	0.000546	99,236	54	99,209	7,335,960	73.9
2-3	0.000365	99,182	36	99,164	7,236,751	73.0
3-4	0.000270	99,146	27	99,132	7,137,587	72.0
4-5	0.000231	99,119	23	99,108	7,038,454	71.0
5-6	0.000198	99,096	20	99,086	6,939,347	70.0
6-7	0.000185	99,077	18	99,067	6,840,260	69.0
7-8	0.000173	99,058	17	99,050	6,741,193	68.1
8-9	0.000153	99,041	15	99,034	6,642,143	67.1
9-10	0.000129	99,026	13	99,020	6,543,110	66.1
10-11	0.000112	99,013	11	99,008	6,444,090	65.1
11-12	0.000120	99,002	12	98,996	6,345,083	64.1
12-13	0.000175	98,990	17	98,981	6,246,087	63.1
13-14	0.000289	98,973	29	98,958	6,147,105	62.1
14-15	0.000447	98,944	44	98,922	6,048,147	61.1
15-16	0.000625	98,900	62	98,869	5,949,225	60.2
16-17	0.000795	98,838	79	98,799	5,850,356	59.2
17-18	0.000952	98,760	94	98,713	5,751,557	58.2
18-19	0.001082	98,666	107	98,612	5,652,844	57.3
19-20	0.001186	98,559	117	98,500	5,554,232	56.4
20-21	0.001292	98,442	127	98,378	5,455,732	55.4
21-22	0.001394	98,315	137	98,246	5,357,353	54.5
22-23	0.001456	98,178	143	98,106	5,259,107	53.6
23-24	0.001469	98,035	144	97,963	5,161,000	52.6
24-25	0.001445	97,891	141	97,820	5,063,038	51.7
25-26	0.001405	97,749	137	97,681	4,965,217	50.8
26-27	0.001372	97,612	134	97,545	4,867,537	49.9
27-28	0.001350	97,478	132	97,412	4,769,992	48.9
28-29	0.001352	97,347	132	97,281	4,672,579	48.0
29-30	0.001376	97,215	134	97,148	4,575,299	47.1
30-31	0.001405	97,081	136	97,013	4,478,151	46.1
31-32	0.001441	96,945	140	96,875	4,381,138	45.2
32-33	0.001512	96,805	146	96,732	4,284,263	44.3
33-34	0.001571	96,659	152	96,583	4,187,531	43.3
34-35	0.001670	96,507	161	96,426	4,090,948	42.4
35-36	0.001782	96,346	172	96,260	3,994,522	41.5
36-37	0.001909	96,174	184	96,082	3,898,262	40.5

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

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

Age	Probability	Number	Number	Person-years	Total	Expectation of life at age x
	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	between ages x to x+1	person-years lived above age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
37-38	0.002058	95,990	198	95,892	3,802,180	39.6
38-39	0.002232	95,793	214	95,686	3,706,288	38.7
39-40	0.002422	95,579	232	95,463	3,610,602	37.8
40-41	0.002621	95,347	250	95,223	3,515,139	36.9
41-42	0.002828	95,098	269	94,963	3,419,917	36.0
42-43	0.003053	94,829	289	94,684	3,324,954	35.1
43-44	0.003303	94,539	312	94,383	3,230,270	34.2
44-45	0.003581	94,227	337	94,058	3,135,887	33.3
45-46	0.003886	93,889	365	93,707	3,041,829	32.4
46-47	0.004210	93,525	394	93,328	2,948,122	31.5
47-48	0.004552	93,131	424	92,919	2,854,794	30.7
48-49	0.004903	92,707	455	92,480	2,761,875	29.8
49-50	0.005267	92,252	486	92,009	2,669,396	28.9
50-51	0.005658	91,766	519	91,507	2,577,386	28.1
51-52	0.006081	91,247	555	90,970	2,485,879	27.2
52-53	0.006529	90,692	592	90,396	2,394,909	26.4
53-54	0.007006	90,100	631	89,785	2,304,513	25.6
54-55	0.007523	89,469	673	89,133	2,214,728	24.8
55-56	0.008095	88,796	719	88,437	2,125,596	23.9
56-57	0.008734	88,077	769	87,693	2,037,159	23.1
57-58	0.009454	87,308	825	86,895	1,949,467	22.3
58-59	0.010272	86,483	888	86,038	1,862,571	21.5
59-60	0.011203	85,594	959	85,115	1,776,533	20.8
60-61	0.012292	84,635	1,040	84,115	1,691,418	20.0
61-62	0.013525	83,595	1,131	83,030	1,607,303	19.2
62-63	0.014823	82,464	1,222	81,853	1,524,273	18.5
63-64	0.016112	81,242	1,309	80,588	1,442,420	17.8
64-65	0.017405	79,933	1,391	79,238	1,361,832	17.0
65-66	0.018751	78,542	1,473	77,806	1,282,595	16.3
66-67	0.020298	77,069	1,564	76,287	1,204,789	15.6
67-68	0.022115	75,505	1,670	74,670	1,128,502	14.9
68-69	0.024242	73,835	1,790	72,940	1,053,832	14.3
69-70	0.026644	72,045	1,920	71,085	980,892	13.6
70-71	0.029121	70,126	2,042	69,105	909,807	13.0
71-72	0.031659	68,083	2,155	67,006	840,702	12.3
72-73	0.034503	65,928	2,275	64,791	773,697	11.7
73-74	0.037823	63,653	2,408	62,450	708,906	11.1

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

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

Age	Probability	Number	Number	Person-years	Total	Expectation of life at age x
	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	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	0.041584	61,246	2,547	59,972	646,456	10.6
75-76	0.045485	58,699	2,670	57,364	586,484	10.0
76-77	0.049719	56,029	2,786	54,636	529,120	9.4
77-78	0.054404	53,243	2,897	51,795	474,484	8.9
78-79	0.059386	50,347	2,990	48,852	422,689	8.4
79-80	0.065076	47,357	3,082	45,816	373,837	7.9
80-81	0.071647	44,275	3,172	42,689	328,021	7.4
81-82	0.078930	41,103	3,244	39,481	285,332	6.9
82-83	0.087058	37,859	3,296	36,211	245,851	6.5
83-84	0.096368	34,563	3,331	32,897	209,641	6.1
84-85	0.106875	31,232	3,338	29,563	176,743	5.7
85-86	0.118290	27,894	3,300	26,244	147,180	5.3
86-87	0.130640	24,594	3,213	22,988	120,936	4.9
87-88	0.143940	21,381	3,078	19,843	97,948	4.6
88-89	0.158195	18,304	2,896	16,856	78,105	4.3
89-90	0.173394	15,408	2,672	14,072	61,249	4.0
90-91	0.189508	12,737	2,414	11,530	47,177	3.7
91-92	0.206493	10,323	2,132	9,257	35,647	3.5
92-93	0.224285	8,191	1,837	7,273	26,390	3.2
93-94	0.242800	6,354	1,543	5,583	19,118	3.0
94-95	0.261940	4,811	1,260	4,181	13,535	2.8
95-96	0.281586	3,551	1,000	3,051	9,354	2.6
96-97	0.301607	2,551	769	2,166	6,303	2.5
97-98	0.321862	1,782	573	1,495	4,136	2.3
98-99	0.342202	1,208	413	1,002	2,641	2.2
99-100	0.362476	795	288	651	1,640	2.1
100 and over	1.000000	507	507	989	989	2.0

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

Age	Probability	Number	Number	Person-years	Total	Expectation of life at age x
	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	between ages x to x+1	person-years lived above age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
0-1	0.006271	100,000	627	99,449	7,960,551	79.6
1-2	0.000436	99,373	43	99,351	7,861,102	79.1
2-3	0.000278	99,330	28	99,316	7,761,751	78.1
3-4	0.000196	99,302	20	99,292	7,662,435	77.2
4-5	0.000167	99,282	17	99,274	7,563,143	76.2
5-6	0.000156	99,266	15	99,258	7,463,869	75.2
6-7	0.000144	99,250	14	99,243	7,364,611	74.2
7-8	0.000135	99,236	13	99,229	7,265,368	73.2
8-9	0.000127	99,223	13	99,216	7,166,138	72.2
9-10	0.000118	99,210	12	99,204	7,066,922	71.2
10-11	0.000113	99,198	11	99,193	6,967,717	70.2
11-12	0.000118	99,187	12	99,181	6,868,525	69.2
12-13	0.000139	99,176	14	99,169	6,769,343	68.3
13-14	0.000181	99,162	18	99,153	6,670,175	67.3
14-15	0.000238	99,144	24	99,132	6,571,022	66.3
15-16	0.000305	99,120	30	99,105	6,471,890	65.3
16-17	0.000370	99,090	37	99,072	6,372,785	64.3
17-18	0.000419	99,053	42	99,033	6,273,713	63.3
18-19	0.000445	99,012	44	98,990	6,174,680	62.4
19-20	0.000451	98,968	45	98,946	6,075,691	61.4
20-21	0.000454	98,923	45	98,901	5,976,745	60.4
21-22	0.000463	98,878	46	98,855	5,877,844	59.4
22-23	0.000470	98,832	46	98,809	5,778,989	58.5
23-24	0.000477	98,786	47	98,762	5,680,180	57.5
24-25	0.000487	98,739	48	98,715	5,581,417	56.5
25-26	0.000498	98,691	49	98,666	5,482,702	55.6
26-27	0.000514	98,642	51	98,616	5,384,036	54.6
27-28	0.000535	98,591	53	98,565	5,285,420	53.6
28-29	0.000562	98,538	55	98,511	5,186,855	52.6
29-30	0.000595	98,483	59	98,454	5,088,345	51.7
30-31	0.000631	98,424	62	98,393	4,989,891	50.7
31-32	0.000674	98,362	66	98,329	4,891,498	49.7
32-33	0.000733	98,296	72	98,260	4,793,169	48.8
33-34	0.000792	98,224	78	98,185	4,694,909	47.8
34-35	0.000871	98,146	85	98,103	4,596,724	46.8
35-36	0.000955	98,061	94	98,014	4,498,621	45.9
36-37	0.001046	97,967	102	97,916	4,400,607	44.9

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

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

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying		dying	lived	number of	
	between	surviving to	between	between	person-years	
	ages x to x+1	age x	ages x to x+1	ages x to x+1	lived above	of life
	q(x)	l(x)	d(x)	L(x)	age x	at age x
37-38	0.001151	97,864	113	97,808	4,302,692	44.0
38-39	0.001269	97,752	124	97,690	4,204,884	43.0
39-40	0.001396	97,628	136	97,560	4,107,194	42.1
40-41	0.001527	97,492	149	97,417	4,009,634	41.1
41-42	0.001661	97,343	162	97,262	3,912,217	40.2
42-43	0.001798	97,181	175	97,094	3,814,955	39.3
43-44	0.001940	97,006	188	96,912	3,717,862	38.3
44-45	0.002092	96,818	203	96,717	3,620,950	37.4
45-46	0.002259	96,615	218	96,506	3,524,233	36.5
46-47	0.002438	96,397	235	96,280	3,427,727	35.6
47-48	0.002627	96,162	253	96,036	3,331,447	34.6
48-49	0.002821	95,910	271	95,774	3,235,411	33.7
49-50	0.003025	95,639	289	95,494	3,139,637	32.8
50-51	0.003243	95,350	309	95,195	3,044,143	31.9
51-52	0.003486	95,040	331	94,875	2,948,948	31.0
52-53	0.003762	94,709	356	94,531	2,854,073	30.1
53-54	0.004082	94,353	385	94,160	2,759,542	29.2
54-55	0.004451	93,968	418	93,759	2,665,381	28.4
55-56	0.004870	93,549	456	93,322	2,571,623	27.5
56-57	0.005334	93,094	497	92,846	2,478,301	26.6
57-58	0.005838	92,597	541	92,327	2,385,456	25.8
58-59	0.006381	92,057	587	91,763	2,293,128	24.9
59-60	0.006978	91,469	638	91,150	2,201,365	24.1
60-61	0.007676	90,831	697	90,483	2,110,215	23.2
61-62	0.008478	90,134	764	89,752	2,019,733	22.4
62-63	0.009329	89,370	834	88,953	1,929,981	21.6
63-64	0.010189	88,536	902	88,085	1,841,028	20.8
64-65	0.011068	87,634	970	87,149	1,752,943	20.0
65-66	0.012017	86,664	1,041	86,143	1,665,794	19.2
66-67	0.013109	85,623	1,122	85,061	1,579,651	18.4
67-68	0.014349	84,500	1,212	83,894	1,494,589	17.7
68-69	0.015748	83,288	1,312	82,632	1,410,695	16.9
69-70	0.017299	81,976	1,418	81,267	1,328,063	16.2
70-71	0.018889	80,558	1,522	79,797	1,246,796	15.5
71-72	0.020581	79,036	1,627	78,223	1,166,999	14.8
72-73	0.022561	77,410	1,746	76,536	1,088,776	14.1
73-74	0.024848	75,663	1,880	74,723	1,012,240	13.4

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

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

Age	Probability	Number	Number	Person-years	Total	Expectation of life at age x
	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	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	0.027359	73,783	2,019	72,774	937,517	12.7
75-76	0.030071	71,765	2,158	70,686	864,743	12.0
76-77	0.033050	69,607	2,301	68,456	794,057	11.4
77-78	0.036407	67,306	2,450	66,081	725,601	10.8
78-79	0.040166	64,856	2,605	63,553	659,520	10.2
79-80	0.044587	62,251	2,776	60,863	595,967	9.6
80-81	0.049611	59,475	2,951	58,000	535,104	9.0
81-82	0.055125	56,524	3,116	54,966	477,105	8.4
82-83	0.061575	53,409	3,289	51,764	422,138	7.9
83-84	0.068704	50,120	3,443	48,398	370,374	7.4
84-85	0.076326	46,676	3,563	44,895	321,976	6.9
85-86	0.085645	43,114	3,692	41,268	277,080	6.4
86-87	0.095812	39,421	3,777	37,533	235,813	6.0
87-88	0.106964	35,644	3,813	33,738	198,280	5.6
88-89	0.119143	31,832	3,793	29,935	164,542	5.2
89-90	0.132381	28,039	3,712	26,183	134,607	4.8
90-91	0.146696	24,327	3,569	22,543	108,423	4.5
91-92	0.162089	20,759	3,365	19,076	85,880	4.1
92-93	0.178542	17,394	3,106	15,841	66,804	3.8
93-94	0.196017	14,288	2,801	12,888	50,963	3.6
94-95	0.214451	11,488	2,464	10,256	38,075	3.3
95-96	0.233757	9,024	2,109	7,969	27,819	3.1
96-97	0.253826	6,915	1,755	6,037	19,850	2.9
97-98	0.274526	5,159	1,416	4,451	13,813	2.7
98-99	0.295704	3,743	1,107	3,190	9,362	2.5
99-100	0.317194	2,636	836	2,218	6,172	2.3
100 and over	1.000000	1,800	1,800	3,954	3,954	2.2

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

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				number of	
	between	surviving to	dying	lived	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)
0-1	0.005786	100,000	579	99,493	7,754,088	77.5
1-2	0.000442	99,421	44	99,399	7,654,596	77.0
2-3	0.000294	99,377	29	99,363	7,555,196	76.0
3-4	0.000214	99,348	21	99,338	7,455,834	75.0
4-5	0.000177	99,327	18	99,318	7,356,496	74.1
5-6	0.000162	99,309	16	99,301	7,257,178	73.1
6-7	0.000154	99,293	15	99,286	7,157,876	72.1
7-8	0.000146	99,278	14	99,271	7,058,591	71.1
8-9	0.000132	99,264	13	99,257	6,959,320	70.1
9-10	0.000113	99,251	11	99,245	6,860,063	69.1
10-11	0.000099	99,239	10	99,234	6,760,818	68.1
11-12	0.000103	99,230	10	99,224	6,661,583	67.1
12-13	0.000141	99,219	14	99,212	6,562,359	66.1
13-14	0.000222	99,205	22	99,194	6,463,147	65.1
14-15	0.000335	99,183	33	99,167	6,363,952	64.2
15-16	0.000464	99,150	46	99,127	6,264,786	63.2
16-17	0.000584	99,104	58	99,075	6,165,659	62.2
17-18	0.000686	99,046	68	99,012	6,066,583	61.3
18-19	0.000756	98,978	75	98,941	5,967,571	60.3
19-20	0.000798	98,903	79	98,864	5,868,630	59.3
20-21	0.000838	98,825	83	98,783	5,769,766	58.4
21-22	0.000880	98,742	87	98,698	5,670,983	57.4
22-23	0.000903	98,655	89	98,610	5,572,285	56.5
23-24	0.000905	98,566	89	98,521	5,473,675	55.5
24-25	0.000892	98,476	88	98,433	5,375,154	54.6
25-26	0.000872	98,389	86	98,346	5,276,721	53.6
26-27	0.000856	98,303	84	98,261	5,178,376	52.7
27-28	0.000851	98,219	84	98,177	5,080,115	51.7
28-29	0.000863	98,135	85	98,093	4,981,938	50.8
29-30	0.000890	98,050	87	98,007	4,883,845	49.8
30-31	0.000923	97,963	90	97,918	4,785,838	48.9
31-32	0.000961	97,873	94	97,826	4,687,921	47.9
32-33	0.001021	97,779	100	97,729	4,590,095	46.9
33-34	0.001075	97,679	105	97,626	4,492,366	46.0
34-35	0.001153	97,574	112	97,518	4,394,740	45.0
35-36	0.001239	97,461	121	97,401	4,297,222	44.1
36-37	0.001336	97,341	130	97,276	4,199,821	43.1

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

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

Age	Probability	Number	Number	Person-years	Total	Expectation of life at age x
	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	between ages x to x+1	person-years lived above age x	
	q(x)	l(x)	d(x)	L(x)	T(x)	e(x)
37-38	0.001454	97,210	141	97,140	4,102,546	42.2
38-39	0.001594	97,069	155	96,992	4,005,406	41.3
39-40	0.001749	96,914	169	96,830	3,908,414	40.3
40-41	0.001910	96,745	185	96,653	3,811,585	39.4
41-42	0.002073	96,560	200	96,460	3,714,932	38.5
42-43	0.002242	96,360	216	96,252	3,618,472	37.6
43-44	0.002419	96,144	233	96,028	3,522,220	36.6
44-45	0.002609	95,911	250	95,786	3,426,192	35.7
45-46	0.002818	95,661	270	95,526	3,330,406	34.8
46-47	0.003044	95,392	290	95,246	3,234,880	33.9
47-48	0.003281	95,101	312	94,945	3,139,633	33.0
48-49	0.003526	94,789	334	94,622	3,044,688	32.1
49-50	0.003782	94,455	357	94,276	2,950,066	31.2
50-51	0.004057	94,098	382	93,907	2,855,790	30.3
51-52	0.004360	93,716	409	93,512	2,761,883	29.5
52-53	0.004700	93,307	439	93,088	2,668,371	28.6
53-54	0.005085	92,869	472	92,633	2,575,283	27.7
54-55	0.005520	92,397	510	92,142	2,482,650	26.9
55-56	0.006006	91,887	552	91,611	2,390,508	26.0
56-57	0.006542	91,335	598	91,036	2,298,897	25.2
57-58	0.007131	90,737	647	90,414	2,207,861	24.3
58-59	0.007783	90,090	701	89,740	2,117,448	23.5
59-60	0.008517	89,389	761	89,008	2,027,708	22.7
60-61	0.009385	88,628	832	88,212	1,938,700	21.9
61-62	0.010382	87,796	911	87,340	1,850,488	21.1
62-63	0.011432	86,885	993	86,388	1,763,147	20.3
63-64	0.012473	85,891	1,071	85,356	1,676,760	19.5
64-65	0.013519	84,820	1,147	84,247	1,591,404	18.8
65-66	0.014625	83,673	1,224	83,061	1,507,157	18.0
66-67	0.015909	82,450	1,312	81,794	1,424,096	17.3
67-68	0.017404	81,138	1,412	80,432	1,342,302	16.5
68-69	0.019130	79,726	1,525	78,963	1,261,871	15.8
69-70	0.021055	78,201	1,647	77,377	1,182,907	15.1
70-71	0.023027	76,554	1,763	75,673	1,105,530	14.4
71-72	0.025059	74,791	1,874	73,854	1,029,858	13.8
72-73	0.027371	72,917	1,996	71,919	956,004	13.1
73-74	0.030064	70,921	2,132	69,855	884,084	12.5

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

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

Age	Probability	Number	Number	Person-years	Total	Expectation of life at age x
	of dying	surviving to	dying	lived	number of	
	between ages x to x+1	age x	between ages x to x+1	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	0.033048	68,789	2,273	67,652	814,229	11.8
75-76	0.036171	66,516	2,406	65,313	746,577	11.2
76-77	0.039554	64,110	2,536	62,842	681,264	10.6
77-78	0.043337	61,574	2,668	60,240	618,422	10.0
78-79	0.047537	58,905	2,800	57,505	558,183	9.5
79-80	0.052398	56,105	2,940	54,635	500,677	8.9
80-81	0.057921	53,165	3,079	51,626	446,042	8.4
81-82	0.063980	50,086	3,204	48,484	394,416	7.9
82-83	0.070867	46,882	3,322	45,220	345,932	7.4
83-84	0.078581	43,559	3,423	41,848	300,712	6.9
84-85	0.086733	40,136	3,481	38,396	258,864	6.4
85-86	0.096609	36,655	3,541	34,885	220,469	6.0
86-87	0.107402	33,114	3,557	31,336	185,584	5.6
87-88	0.119149	29,557	3,522	27,797	154,248	5.2
88-89	0.131877	26,036	3,434	24,319	126,452	4.9
89-90	0.145603	22,602	3,291	20,957	102,133	4.5
90-91	0.160330	19,311	3,096	17,763	81,176	4.2
91-92	0.176043	16,215	2,855	14,788	63,413	3.9
92-93	0.192710	13,361	2,575	12,073	48,625	3.6
93-94	0.210279	10,786	2,268	9,652	36,552	3.4
94-95	0.228677	8,518	1,948	7,544	26,900	3.2
95-96	0.247810	6,570	1,628	5,756	19,356	2.9
96-97	0.267566	4,942	1,322	4,281	13,600	2.8
97-98	0.287815	3,620	1,042	3,099	9,320	2.6
98-99	0.308412	2,578	795	2,180	6,221	2.4
99-100	0.329202	1,783	587	1,489	4,041	2.3
100 and over	1.000000	1,196	1,196	2,551	2,551	2.1

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

Table 5. Life table for white male 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	0.006417	100,000	642	99,439	7,493,212	74.9
1-2	0.000483	99,358	48	99,334	7,393,773	74.4
2-3	0.000329	99,310	33	99,294	7,294,439	73.5
3-4	0.000246	99,278	24	99,265	7,195,145	72.5
4-5	0.000207	99,253	21	99,243	7,095,879	71.5
5-6	0.000181	99,233	18	99,224	6,996,636	70.5
6-7	0.000172	99,215	17	99,206	6,897,413	69.5
7-8	0.000162	99,198	16	99,190	6,798,206	68.5
8-9	0.000143	99,182	14	99,175	6,699,017	67.5
9-10	0.000117	99,167	12	99,162	6,599,842	66.6
10-11	0.000096	99,156	10	99,151	6,500,681	65.6
11-12	0.000102	99,146	10	99,141	6,401,530	64.6
12-13	0.000155	99,136	15	99,129	6,302,388	63.6
13-14	0.000270	99,121	27	99,107	6,203,260	62.6
14-15	0.000430	99,094	43	99,073	6,104,152	61.6
15-16	0.000608	99,052	60	99,021	6,005,080	60.6
16-17	0.000776	98,991	77	98,953	5,906,058	59.7
17-18	0.000926	98,914	92	98,869	5,807,105	58.7
18-19	0.001041	98,823	103	98,771	5,708,237	57.8
19-20	0.001126	98,720	111	98,664	5,609,465	56.8
20-21	0.001210	98,609	119	98,549	5,510,801	55.9
21-22	0.001293	98,490	127	98,426	5,412,252	55.0
22-23	0.001340	98,362	132	98,296	5,313,826	54.0
23-24	0.001343	98,230	132	98,165	5,215,529	53.1
24-25	0.001312	98,099	129	98,034	5,117,365	52.2
25-26	0.001267	97,970	124	97,908	5,019,331	51.2
26-27	0.001227	97,846	120	97,786	4,921,423	50.3
27-28	0.001203	97,726	118	97,667	4,823,637	49.4
28-29	0.001208	97,608	118	97,549	4,725,970	48.4
29-30	0.001235	97,490	120	97,430	4,628,421	47.5
30-31	0.001272	97,370	124	97,308	4,530,991	46.5
31-32	0.001313	97,246	128	97,182	4,433,683	45.6
32-33	0.001382	97,118	134	97,051	4,336,501	44.7
33-34	0.001435	96,984	139	96,915	4,239,450	43.7
34-35	0.001521	96,845	147	96,771	4,142,535	42.8
35-36	0.001616	96,698	156	96,619	4,045,764	41.8
36-37	0.001728	96,541	167	96,458	3,949,144	40.9

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

Table 5. Life table for white male 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)
37-38	0.001870	96,375	180	96,284	3,852,686	40.0
38-39	0.002045	96,194	197	96,096	3,756,402	39.1
39-40	0.002241	95,998	215	95,890	3,660,306	38.1
40-41	0.002448	95,782	234	95,665	3,564,416	37.2
41-42	0.002657	95,548	254	95,421	3,468,751	36.3
42-43	0.002873	95,294	274	95,157	3,373,330	35.4
43-44	0.003102	95,020	295	94,873	3,278,172	34.5
44-45	0.003350	94,726	317	94,567	3,183,299	33.6
45-46	0.003620	94,408	342	94,237	3,088,732	32.7
46-47	0.003911	94,067	368	93,883	2,994,495	31.8
47-48	0.004216	93,699	395	93,501	2,900,612	31.0
48-49	0.004530	93,304	423	93,092	2,807,111	30.1
49-50	0.004856	92,881	451	92,656	2,714,019	29.2
50-51	0.005205	92,430	481	92,189	2,621,363	28.4
51-52	0.005588	91,949	514	91,692	2,529,174	27.5
52-53	0.006006	91,435	549	91,161	2,437,482	26.7
53-54	0.006467	90,886	588	90,592	2,346,321	25.8
54-55	0.006978	90,298	630	89,983	2,255,729	25.0
55-56	0.007546	89,668	677	89,330	2,165,746	24.2
56-57	0.008174	88,992	727	88,628	2,076,416	23.3
57-58	0.008873	88,264	783	87,873	1,987,788	22.5
58-59	0.009661	87,481	845	87,058	1,899,915	21.7
59-60	0.010559	86,636	915	86,178	1,812,857	20.9
60-61	0.011621	85,721	996	85,223	1,726,679	20.1
61-62	0.012838	84,725	1,088	84,181	1,641,456	19.4
62-63	0.014126	83,637	1,181	83,046	1,557,275	18.6
63-64	0.015407	82,456	1,270	81,820	1,474,228	17.9
64-65	0.016693	81,185	1,355	80,508	1,392,408	17.2
65-66	0.018034	79,830	1,440	79,110	1,311,900	16.4
66-67	0.019585	78,390	1,535	77,623	1,232,790	15.7
67-68	0.021418	76,855	1,646	76,032	1,155,167	15.0
68-69	0.023569	75,209	1,773	74,323	1,079,135	14.3
69-70	0.025988	73,436	1,908	72,482	1,004,812	13.7
70-71	0.028469	71,528	2,036	70,510	932,330	13.0
71-72	0.030982	69,492	2,153	68,415	861,820	12.4
72-73	0.033813	67,339	2,277	66,200	793,405	11.8
73-74	0.037135	65,062	2,416	63,854	727,205	11.2

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

Table 5. Life table for white male 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)
74-75	0.040900	62,646	2,562	61,365	663,351	10.6
75-76	0.044813	60,083	2,692	58,737	601,986	10.0
76-77	0.049020	57,391	2,813	55,984	543,249	9.5
77-78	0.053679	54,578	2,930	53,113	487,265	8.9
78-79	0.058718	51,648	3,033	50,132	434,152	8.4
79-80	0.064459	48,615	3,134	47,048	384,020	7.9
80-81	0.071013	45,482	3,230	43,867	336,972	7.4
81-82	0.078339	42,252	3,310	40,597	293,105	6.9
82-83	0.086546	38,942	3,370	37,257	252,509	6.5
83-84	0.095517	35,572	3,398	33,873	215,252	6.1
84-85	0.106265	32,174	3,419	30,464	181,379	5.6
85-86	0.117973	28,755	3,392	27,059	150,915	5.2
86-87	0.130669	25,363	3,314	23,706	123,856	4.9
87-88	0.144373	22,049	3,183	20,457	100,150	4.5
88-89	0.159087	18,865	3,001	17,365	79,693	4.2
89-90	0.174799	15,864	2,773	14,478	62,329	3.9
90-91	0.191478	13,091	2,507	11,838	47,851	3.7
91-92	0.209071	10,584	2,213	9,478	36,013	3.4
92-93	0.227507	8,372	1,905	7,419	26,535	3.2
93-94	0.246692	6,467	1,595	5,669	19,116	3.0
94-95	0.266513	4,872	1,298	4,222	13,447	2.8
95-96	0.286839	3,573	1,025	3,061	9,224	2.6
96-97	0.307524	2,548	784	2,156	6,164	2.4
97-98	0.328411	1,765	580	1,475	4,007	2.3
98-99	0.349337	1,185	414	978	2,532	2.1
99-100	0.370137	771	285	628	1,554	2.0
100 and over	1.000000	486	486	926	926	1.9

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	8,006,366	80.1
1-2	0.000399	99,488	40	99,468	7,906,817	79.5
2-3	0.000257	99,448	26	99,435	7,807,349	78.5
3-4	0.000181	99,422	18	99,413	7,707,914	77.5
4-5	0.000145	99,404	14	99,397	7,608,501	76.5
5-6	0.000143	99,390	14	99,383	7,509,103	75.6
6-7	0.000135	99,376	13	99,369	7,409,721	74.6
7-8	0.000128	99,362	13	99,356	7,310,351	73.6
8-9	0.000120	99,350	12	99,344	7,210,995	72.6
9-10	0.000109	99,338	11	99,332	7,111,652	71.6
10-11	0.000101	99,327	10	99,322	7,012,319	70.6
11-12	0.000104	99,317	10	99,312	6,912,997	69.6
12-13	0.000126	99,307	12	99,300	6,813,686	68.6
13-14	0.000172	99,294	17	99,286	6,714,385	67.6
14-15	0.000235	99,277	23	99,265	6,615,100	66.6
15-16	0.000309	99,254	31	99,238	6,515,834	65.6
16-17	0.000378	99,223	38	99,204	6,416,596	64.7
17-18	0.000429	99,186	43	99,164	6,317,392	63.7
18-19	0.000450	99,143	45	99,121	6,218,227	62.7
19-20	0.000448	99,098	44	99,076	6,119,107	61.7
20-21	0.000442	99,054	44	99,032	6,020,030	60.8
21-22	0.000442	99,010	44	98,988	5,920,998	59.8
22-23	0.000442	98,966	44	98,945	5,822,010	58.8
23-24	0.000444	98,923	44	98,901	5,723,065	57.9
24-25	0.000449	98,879	44	98,857	5,624,165	56.9
25-26	0.000456	98,835	45	98,812	5,525,308	55.9
26-27	0.000466	98,789	46	98,766	5,426,496	54.9
27-28	0.000482	98,743	48	98,720	5,327,729	54.0
28-29	0.000502	98,696	50	98,671	5,229,010	53.0
29-30	0.000528	98,646	52	98,620	5,130,339	52.0
30-31	0.000558	98,594	55	98,567	5,031,719	51.0
31-32	0.000595	98,539	59	98,510	4,933,152	50.1
32-33	0.000648	98,481	64	98,449	4,834,642	49.1
33-34	0.000701	98,417	69	98,382	4,736,194	48.1
34-35	0.000774	98,348	76	98,310	4,637,811	47.2
35-36	0.000852	98,272	84	98,230	4,539,502	46.2
36-37	0.000936	98,188	92	98,142	4,441,272	45.2
37-38	0.001031	98,096	101	98,045	4,343,130	44.3

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

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

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	0.001137	97,995	111	97,939	4,245,085	43.3
39-40	0.001250	97,883	122	97,822	4,147,146	42.4
40-41	0.001366	97,761	134	97,694	4,049,323	41.4
41-42	0.001485	97,627	145	97,555	3,951,629	40.5
42-43	0.001606	97,482	157	97,404	3,854,074	39.5
43-44	0.001733	97,326	169	97,242	3,756,670	38.6
44-45	0.001869	97,157	182	97,066	3,659,429	37.7
45-46	0.002018	96,976	196	96,878	3,562,362	36.7
46-47	0.002182	96,780	211	96,674	3,465,484	35.8
47-48	0.002354	96,569	227	96,455	3,368,810	34.9
48-49	0.002533	96,341	244	96,219	3,272,355	34.0
49-50	0.002722	96,097	262	95,967	3,176,135	33.1
50-51	0.002925	95,836	280	95,696	3,080,169	32.1
51-52	0.003154	95,556	301	95,405	2,984,473	31.2
52-53	0.003421	95,254	326	95,091	2,889,068	30.3
53-54	0.003737	94,928	355	94,751	2,793,977	29.4
54-55	0.004102	94,574	388	94,380	2,699,226	28.5
55-56	0.004516	94,186	425	93,973	2,604,847	27.7
56-57	0.004969	93,760	466	93,527	2,510,874	26.8
57-58	0.005460	93,294	509	93,040	2,417,346	25.9
58-59	0.005990	92,785	556	92,507	2,324,307	25.1
59-60	0.006579	92,229	607	91,926	2,231,800	24.2
60-61	0.007278	91,622	667	91,289	2,139,874	23.4
61-62	0.008084	90,956	735	90,588	2,048,585	22.5
62-63	0.008933	90,220	806	89,817	1,957,996	21.7
63-64	0.009773	89,414	874	88,978	1,868,179	20.9
64-65	0.010621	88,541	940	88,070	1,779,202	20.1
65-66	0.011538	87,600	1,011	87,095	1,691,131	19.3
66-67	0.012611	86,590	1,092	86,044	1,604,036	18.5
67-68	0.013840	85,498	1,183	84,906	1,517,993	17.8
68-69	0.015237	84,314	1,285	83,672	1,433,087	17.0
69-70	0.016788	83,030	1,394	82,333	1,349,415	16.3
70-71	0.018383	81,636	1,501	80,885	1,267,082	15.5
71-72	0.020071	80,135	1,608	79,331	1,186,197	14.8
72-73	0.022042	78,527	1,731	77,661	1,106,866	14.1
73-74	0.024345	76,796	1,870	75,861	1,029,205	13.4
74-75	0.026855	74,926	2,012	73,920	953,344	12.7
75-76	0.029541	72,914	2,154	71,837	879,424	12.1

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

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

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	0.032507	70,760	2,300	69,610	807,587	11.4
77-78	0.035876	68,460	2,456	67,232	737,977	10.8
78-79	0.039694	66,004	2,620	64,694	670,745	10.2
79-80	0.044180	63,384	2,800	61,984	606,051	9.6
80-81	0.049288	60,584	2,986	59,091	544,067	9.0
81-82	0.054827	57,598	3,158	56,019	484,976	8.4
82-83	0.061243	54,440	3,334	52,773	428,958	7.9
83-84	0.068444	51,106	3,498	49,357	376,185	7.4
84-85	0.076205	47,608	3,628	45,794	326,828	6.9
85-86	0.086106	43,980	3,787	42,086	281,035	6.4
86-87	0.096400	40,193	3,875	38,256	238,948	5.9
87-88	0.107697	36,318	3,911	34,363	200,693	5.5
88-89	0.120039	32,407	3,890	30,462	166,330	5.1
89-90	0.133457	28,517	3,806	26,614	135,868	4.8
90-91	0.147969	24,711	3,656	22,883	109,254	4.4
91-92	0.163576	21,055	3,444	19,333	86,372	4.1
92-93	0.180256	17,611	3,174	16,023	67,039	3.8
93-94	0.197968	14,436	2,858	13,007	51,016	3.5
94-95	0.216645	11,578	2,508	10,324	38,008	3.3
95-96	0.236196	9,070	2,142	7,999	27,684	3.1
96-97	0.256506	6,928	1,777	6,039	19,686	2.8
97-98	0.277437	5,151	1,429	4,436	13,646	2.6
98-99	0.298831	3,722	1,112	3,166	9,210	2.5
99-100	0.320517	2,610	836	2,191	6,045	2.3
100 and over	1.000000	1,773	1,773	3,853	3,853	2.2

Table 7. Life table for 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	7,218,095	72.2
1-2	0.000782	98,568	77	98,529	7,119,353	72.2
2-3	0.000466	98,491	46	98,468	7,020,824	71.3
3-4	0.000340	98,445	33	98,428	6,922,356	70.3
4-5	0.000315	98,411	31	98,396	6,823,929	69.3
5-6	0.000257	98,380	25	98,368	6,725,533	68.4
6-7	0.000227	98,355	22	98,344	6,627,165	67.4
7-8	0.000206	98,333	20	98,322	6,528,821	66.4
8-9	0.000191	98,312	19	98,303	6,430,499	65.4
9-10	0.000181	98,294	18	98,285	6,332,196	64.4
10-11	0.000181	98,276	18	98,267	6,233,911	63.4
11-12	0.000199	98,258	20	98,248	6,135,644	62.4
12-13	0.000241	98,238	24	98,227	6,037,396	61.5
13-14	0.000316	98,215	31	98,199	5,939,169	60.5
14-15	0.000420	98,184	41	98,163	5,840,970	59.5
15-16	0.000540	98,142	53	98,116	5,742,807	58.5
16-17	0.000668	98,089	66	98,057	5,644,691	57.5
17-18	0.000809	98,024	79	97,984	5,546,634	56.6
18-19	0.000956	97,945	94	97,898	5,448,650	55.6
19-20	0.001100	97,851	108	97,797	5,350,752	54.7
20-21	0.001252	97,743	122	97,682	5,252,955	53.7
21-22	0.001400	97,621	137	97,553	5,155,273	52.8
22-23	0.001515	97,484	148	97,410	5,057,720	51.9
23-24	0.001587	97,337	154	97,259	4,960,310	51.0
24-25	0.001627	97,182	158	97,103	4,863,050	50.0
25-26	0.001662	97,024	161	96,944	4,765,947	49.1
26-27	0.001707	96,863	165	96,780	4,669,004	48.2
27-28	0.001747	96,698	169	96,613	4,572,223	47.3
28-29	0.001783	96,529	172	96,443	4,475,610	46.4
29-30	0.001819	96,357	175	96,269	4,379,168	45.4
30-31	0.001852	96,181	178	96,092	4,282,899	44.5
31-32	0.001898	96,003	182	95,912	4,186,806	43.6
32-33	0.002018	95,821	193	95,724	4,090,894	42.7
33-34	0.002098	95,628	201	95,527	3,995,170	41.8
34-35	0.002257	95,427	215	95,319	3,899,643	40.9
35-36	0.002434	95,212	232	95,096	3,804,323	40.0
36-37	0.002620	94,980	249	94,855	3,709,228	39.1
37-38	0.002822	94,731	267	94,597	3,614,372	38.2

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

Table 7. Life table for 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)
38-39	0.003039	94,464	287	94,320	3,519,775	37.3
39-40	0.003271	94,177	308	94,023	3,425,455	36.4
40-41	0.003511	93,869	330	93,704	3,331,432	35.5
41-42	0.003771	93,539	353	93,363	3,237,728	34.6
42-43	0.004073	93,186	379	92,996	3,144,366	33.7
43-44	0.004435	92,807	412	92,601	3,051,369	32.9
44-45	0.004856	92,395	449	92,171	2,958,768	32.0
45-46	0.005318	91,946	489	91,702	2,866,598	31.2
46-47	0.005805	91,457	531	91,192	2,774,896	30.3
47-48	0.006318	90,927	574	90,639	2,683,704	29.5
48-49	0.006844	90,352	618	90,043	2,593,064	28.7
49-50	0.007380	89,734	662	89,403	2,503,021	27.9
50-51	0.007958	89,071	709	88,717	2,413,619	27.1
51-52	0.008573	88,363	758	87,984	2,324,902	26.3
52-53	0.009194	87,605	805	87,202	2,236,918	25.5
53-54	0.009822	86,800	853	86,373	2,149,716	24.8
54-55	0.010491	85,947	902	85,496	2,063,342	24.0
55-56	0.011247	85,045	957	84,567	1,977,846	23.3
56-57	0.012116	84,089	1,019	83,580	1,893,279	22.5
57-58	0.013070	83,070	1,086	82,527	1,809,699	21.8
58-59	0.014069	81,984	1,153	81,408	1,727,172	21.1
59-60	0.015089	80,831	1,220	80,221	1,645,764	20.4
60-61	0.016161	79,611	1,287	78,968	1,565,543	19.7
61-62	0.017326	78,325	1,357	77,646	1,486,575	19.0
62-63	0.018550	76,968	1,428	76,254	1,408,929	18.3
63-64	0.019836	75,540	1,498	74,791	1,332,675	17.6
64-65	0.021185	74,042	1,569	73,257	1,257,884	17.0
65-66	0.022568	72,473	1,636	71,655	1,184,627	16.3
66-67	0.024044	70,837	1,703	69,986	1,112,972	15.7
67-68	0.025694	69,134	1,776	68,246	1,042,986	15.1
68-69	0.027623	67,358	1,861	66,427	974,740	14.5
69-70	0.029813	65,497	1,953	64,521	908,312	13.9
70-71	0.032119	63,544	2,041	62,524	843,792	13.3
71-72	0.034656	61,503	2,131	60,438	781,268	12.7
72-73	0.037356	59,372	2,218	58,263	720,830	12.1
73-74	0.040428	57,154	2,311	55,999	662,567	11.6
74-75	0.043835	54,844	2,404	53,641	606,568	11.1
75-76	0.047405	52,439	2,486	51,197	552,926	10.5

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

Table 7. Life table for 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)
76-77	0.051355	49,954	2,565	48,671	501,730	10.0
77-78	0.055313	47,388	2,621	46,078	453,059	9.6
78-79	0.059383	44,767	2,658	43,438	406,982	9.1
79-80	0.064112	42,109	2,700	40,759	363,544	8.6
80-81	0.069083	39,409	2,722	38,048	322,785	8.2
81-82	0.074870	36,686	2,747	35,313	284,737	7.8
82-83	0.081881	33,940	2,779	32,550	249,424	7.3
83-84	0.088591	31,161	2,761	29,780	216,874	7.0
84-85	0.095834	28,400	2,722	27,039	187,094	6.6
85-86	0.103562	25,678	2,659	24,349	160,054	6.2
86-87	0.111792	23,019	2,573	21,732	135,705	5.9
87-88	0.120536	20,446	2,464	19,214	113,973	5.6
88-89	0.129803	17,981	2,334	16,814	94,759	5.3
89-90	0.139601	15,647	2,184	14,555	77,945	5.0
90-91	0.149933	13,463	2,019	12,454	63,390	4.7
91-92	0.160795	11,444	1,840	10,524	50,936	4.5
92-93	0.172182	9,604	1,654	8,777	40,412	4.2
93-94	0.184082	7,951	1,464	7,219	31,635	4.0
94-95	0.196478	6,487	1,275	5,850	24,416	3.8
95-96	0.209347	5,212	1,091	4,667	18,566	3.6
96-97	0.222659	4,121	918	3,662	13,899	3.4
97-98	0.236380	3,204	757	2,825	10,237	3.2
98-99	0.250470	2,446	613	2,140	7,412	3.0
99-100	0.264882	1,834	486	1,591	5,272	2.9
100 and over	1.000000	1,348	1,348	3,681	3,681	2.7

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	6,865,514	68.7
1-2	0.000888	98,461	87	98,417	6,766,864	68.7
2-3	0.000531	98,373	52	98,347	6,668,448	67.8
3-4	0.000414	98,321	41	98,300	6,570,101	66.8
4-5	0.000365	98,280	36	98,262	6,471,800	65.9
5-6	0.000294	98,244	29	98,230	6,373,538	64.9
6-7	0.000260	98,215	26	98,203	6,275,308	63.9
7-8	0.000236	98,190	23	98,178	6,177,106	62.9
8-9	0.000214	98,167	21	98,156	6,078,927	61.9
9-10	0.000196	98,146	19	98,136	5,980,771	60.9
10-11	0.000191	98,127	19	98,117	5,882,635	59.9
11-12	0.000212	98,108	21	98,097	5,784,518	59.0
12-13	0.000278	98,087	27	98,073	5,686,421	58.0
13-14	0.000400	98,060	39	98,040	5,588,347	57.0
14-15	0.000572	98,021	56	97,993	5,490,307	56.0
15-16	0.000766	97,965	75	97,927	5,392,315	55.0
16-17	0.000971	97,889	95	97,842	5,294,388	54.1
17-18	0.001198	97,794	117	97,736	5,196,546	53.1
18-19	0.001437	97,677	140	97,607	5,098,810	52.2
19-20	0.001677	97,537	164	97,455	5,001,203	51.3
20-21	0.001935	97,373	188	97,279	4,903,748	50.4
21-22	0.002184	97,185	212	97,079	4,806,469	49.5
22-23	0.002375	96,973	230	96,857	4,709,390	48.6
23-24	0.002485	96,742	240	96,622	4,612,533	47.7
24-25	0.002533	96,502	244	96,380	4,515,910	46.8
25-26	0.002564	96,257	247	96,134	4,419,531	45.9
26-27	0.002604	96,011	250	95,886	4,323,397	45.0
27-28	0.002626	95,761	251	95,635	4,227,511	44.1
28-29	0.002633	95,509	251	95,383	4,131,876	43.3
29-30	0.002634	95,258	251	95,132	4,036,493	42.4
30-31	0.002624	95,007	249	94,882	3,941,361	41.5
31-32	0.002629	94,758	249	94,633	3,846,478	40.6
32-33	0.002759	94,508	261	94,378	3,751,845	39.7
33-34	0.002818	94,248	266	94,115	3,657,467	38.8
34-35	0.003005	93,982	282	93,841	3,563,352	37.9
35-36	0.003225	93,700	302	93,549	3,469,512	37.0
36-37	0.003449	93,398	322	93,236	3,375,963	36.1
37-38	0.003673	93,075	342	92,904	3,282,727	35.3

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

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)
38-39	0.003885	92,733	360	92,553	3,189,822	34.4
39-40	0.004097	92,373	378	92,184	3,097,269	33.5
40-41	0.004312	91,995	397	91,796	3,005,085	32.7
41-42	0.004567	91,598	418	91,389	2,913,288	31.8
42-43	0.004907	91,180	447	90,956	2,821,899	30.9
43-44	0.005368	90,732	487	90,489	2,730,943	30.1
44-45	0.005940	90,245	536	89,977	2,640,454	29.3
45-46	0.006576	89,709	590	89,414	2,550,477	28.4
46-47	0.007241	89,119	645	88,797	2,461,063	27.6
47-48	0.007948	88,474	703	88,123	2,372,266	26.8
48-49	0.008675	87,771	761	87,390	2,284,144	26.0
49-50	0.009418	87,010	819	86,600	2,196,753	25.2
50-51	0.010227	86,190	881	85,749	2,110,154	24.5
51-52	0.011087	85,309	946	84,836	2,024,404	23.7
52-53	0.011934	84,363	1,007	83,859	1,939,568	23.0
53-54	0.012757	83,356	1,063	82,824	1,855,709	22.3
54-55	0.013603	82,293	1,119	81,733	1,772,885	21.5
55-56	0.014540	81,173	1,180	80,583	1,691,152	20.8
56-57	0.015622	79,993	1,250	79,368	1,610,568	20.1
57-58	0.016840	78,743	1,326	78,080	1,531,200	19.4
58-59	0.018164	77,417	1,406	76,714	1,453,120	18.8
59-60	0.019549	76,011	1,486	75,268	1,376,406	18.1
60-61	0.021025	74,525	1,567	73,742	1,301,137	17.5
61-62	0.022599	72,958	1,649	72,134	1,227,396	16.8
62-63	0.024184	71,310	1,725	70,447	1,155,262	16.2
63-64	0.025742	69,585	1,791	68,689	1,084,814	15.6
64-65	0.027291	67,794	1,850	66,869	1,016,125	15.0
65-66	0.028813	65,944	1,900	64,994	949,256	14.4
66-67	0.030461	64,044	1,951	63,068	884,263	13.8
67-68	0.032413	62,093	2,013	61,086	821,194	13.2
68-69	0.034822	60,080	2,092	59,034	760,108	12.7
69-70	0.037692	57,988	2,186	56,895	701,074	12.1
70-71	0.040838	55,802	2,279	54,663	644,178	11.5
71-72	0.044323	53,524	2,372	52,337	589,516	11.0
72-73	0.047753	51,151	2,443	49,930	537,178	10.5
73-74	0.051790	48,709	2,523	47,447	487,248	10.0
74-75	0.056203	46,186	2,596	44,888	439,801	9.5
75-76	0.060183	43,590	2,623	42,279	394,913	9.1

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)
76-77	0.065218	40,967	2,672	39,631	352,634	8.6
77-78	0.070625	38,295	2,705	36,943	313,003	8.2
78-79	0.076424	35,590	2,720	34,230	276,061	7.8
79-80	0.082632	32,870	2,716	31,512	241,830	7.4
80-81	0.089269	30,154	2,692	28,808	210,318	7.0
81-82	0.096351	27,462	2,646	26,139	181,509	6.6
82-83	0.103894	24,816	2,578	23,527	155,370	6.3
83-84	0.111911	22,238	2,489	20,994	131,843	5.9
84-85	0.120414	19,749	2,378	18,560	110,849	5.6
85-86	0.129413	17,371	2,248	16,247	92,288	5.3
86-87	0.138913	15,123	2,101	14,073	76,041	5.0
87-88	0.148918	13,022	1,939	12,053	61,968	4.8
88-89	0.159425	11,083	1,767	10,200	49,915	4.5
89-90	0.170429	9,316	1,588	8,522	39,716	4.3
90-91	0.181921	7,728	1,406	7,026	31,193	4.0
91-92	0.193885	6,323	1,226	5,710	24,168	3.8
92-93	0.206301	5,097	1,051	4,571	18,458	3.6
93-94	0.219143	4,045	886	3,602	13,887	3.4
94-95	0.232381	3,159	734	2,792	10,285	3.3
95-96	0.245980	2,425	596	2,126	7,493	3.1
96-97	0.259898	1,828	475	1,591	5,367	2.9
97-98	0.274090	1,353	371	1,168	3,776	2.8
98-99	0.288508	982	283	841	2,609	2.7
99-100	0.303098	699	212	593	1,768	2.5
100 and over	1.000000	487	487	1,175	1,175	2.4

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

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	0.013220	100,000	1,322	98,837	7,541,887	75.4
1-2	0.000672	98,678	66	98,645	7,443,051	75.4
2-3	0.000399	98,612	39	98,592	7,344,406	74.5
3-4	0.000264	98,572	26	98,559	7,245,814	73.5
4-5	0.000262	98,546	26	98,533	7,147,254	72.5
5-6	0.000219	98,521	22	98,510	7,048,721	71.5
6-7	0.000193	98,499	19	98,489	6,950,211	70.6
7-8	0.000176	98,480	17	98,471	6,851,722	69.6
8-9	0.000167	98,463	16	98,454	6,753,250	68.6
9-10	0.000166	98,446	16	98,438	6,654,796	67.6
10-11	0.000172	98,430	17	98,421	6,556,358	66.6
11-12	0.000185	98,413	18	98,404	6,457,936	65.6
12-13	0.000203	98,395	20	98,385	6,359,532	64.6
13-14	0.000230	98,375	23	98,364	6,261,147	63.6
14-15	0.000264	98,352	26	98,339	6,162,784	62.7
15-16	0.000304	98,326	30	98,311	6,064,445	61.7
16-17	0.000352	98,296	35	98,279	5,966,133	60.7
17-18	0.000404	98,262	40	98,242	5,867,854	59.7
18-19	0.000459	98,222	45	98,200	5,769,612	58.7
19-20	0.000513	98,177	50	98,152	5,671,412	57.8
20-21	0.000572	98,127	56	98,099	5,573,260	56.8
21-22	0.000632	98,071	62	98,040	5,475,162	55.8
22-23	0.000686	98,009	67	97,975	5,377,122	54.9
23-24	0.000733	97,942	72	97,906	5,279,147	53.9
24-25	0.000779	97,870	76	97,832	5,181,241	52.9
25-26	0.000832	97,794	81	97,753	5,083,410	52.0
26-27	0.000895	97,712	87	97,668	4,985,657	51.0
27-28	0.000961	97,625	94	97,578	4,887,988	50.1
28-29	0.001027	97,531	100	97,481	4,790,411	49.1
29-30	0.001094	97,431	107	97,377	4,692,930	48.2
30-31	0.001164	97,324	113	97,268	4,595,552	47.2
31-32	0.001245	97,211	121	97,150	4,498,285	46.3
32-33	0.001361	97,090	132	97,024	4,401,134	45.3
33-34	0.001455	96,958	141	96,887	4,304,111	44.4
34-35	0.001590	96,817	154	96,740	4,207,223	43.5
35-36	0.001731	96,663	167	96,579	4,110,484	42.5
36-37	0.001883	96,495	182	96,405	4,013,904	41.6
37-38	0.002067	96,314	199	96,214	3,917,500	40.7

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

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	0.002289	96,115	220	96,005	3,821,286	39.8
39-40	0.002539	95,895	244	95,773	3,725,281	38.8
40-41	0.002802	95,651	268	95,517	3,629,509	37.9
41-42	0.003065	95,383	292	95,237	3,533,992	37.1
42-43	0.003333	95,091	317	94,932	3,438,755	36.2
43-44	0.003609	94,774	342	94,603	3,343,822	35.3
44-45	0.003899	94,432	368	94,248	3,249,220	34.4
45-46	0.004211	94,063	396	93,865	3,154,972	33.5
46-47	0.004544	93,667	426	93,455	3,061,107	32.7
47-48	0.004891	93,242	456	93,014	2,967,652	31.8
48-49	0.005246	92,786	487	92,542	2,874,638	31.0
49-50	0.005608	92,299	518	92,040	2,782,096	30.1
50-51	0.005993	91,781	550	91,506	2,690,056	29.3
51-52	0.006406	91,231	584	90,939	2,598,550	28.5
52-53	0.006841	90,647	620	90,337	2,507,611	27.7
53-54	0.007315	90,027	659	89,697	2,417,274	26.9
54-55	0.007845	89,368	701	89,018	2,327,577	26.0
55-56	0.008465	88,667	751	88,292	2,238,559	25.2
56-57	0.009174	87,917	807	87,513	2,150,267	24.5
57-58	0.009932	87,110	865	86,677	2,062,754	23.7
58-59	0.010689	86,245	922	85,784	1,976,076	22.9
59-60	0.011437	85,323	976	84,835	1,890,293	22.2
60-61	0.012216	84,347	1,030	83,832	1,805,457	21.4
61-62	0.013090	83,317	1,091	82,772	1,721,625	20.7
62-63	0.014070	82,226	1,157	81,648	1,638,854	19.9
63-64	0.015185	81,069	1,231	80,454	1,557,206	19.2
64-65	0.016423	79,838	1,311	79,183	1,476,752	18.5
65-66	0.017743	78,527	1,393	77,830	1,397,570	17.8
66-67	0.019127	77,134	1,475	76,396	1,319,739	17.1
67-68	0.020599	75,658	1,558	74,879	1,243,343	16.4
68-69	0.022248	74,100	1,649	73,276	1,168,464	15.8
69-70	0.024037	72,451	1,742	71,581	1,095,188	15.1
70-71	0.025863	70,710	1,829	69,796	1,023,608	14.5
71-72	0.027865	68,881	1,919	67,921	953,812	13.8
72-73	0.030213	66,962	2,023	65,950	885,891	13.2
73-74	0.032803	64,939	2,130	63,874	819,941	12.6
74-75	0.035721	62,809	2,244	61,687	756,067	12.0
75-76	0.039207	60,565	2,375	59,378	694,380	11.5

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

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)
76-77	0.042839	58,190	2,493	56,944	635,003	10.9
77-78	0.046213	55,698	2,574	54,411	578,059	10.4
78-79	0.049769	53,124	2,644	51,802	523,648	9.9
79-80	0.053893	50,480	2,721	49,119	471,846	9.3
80-81	0.058000	47,759	2,770	46,374	422,727	8.9
81-82	0.063448	44,989	2,854	43,562	376,353	8.4
82-83	0.070338	42,135	2,964	40,653	332,791	7.9
83-84	0.077017	39,171	3,017	37,663	292,138	7.5
84-85	0.083954	36,154	3,035	34,637	254,476	7.0
85-86	0.091563	33,119	3,032	31,603	219,839	6.6
86-87	0.099743	30,086	3,001	28,586	188,236	6.3
87-88	0.108516	27,086	2,939	25,616	159,651	5.9
88-89	0.117901	24,146	2,847	22,723	134,035	5.6
89-90	0.127911	21,299	2,724	19,937	111,312	5.2
90-91	0.138556	18,575	2,574	17,288	91,375	4.9
91-92	0.149840	16,001	2,398	14,803	74,086	4.6
92-93	0.161762	13,604	2,201	12,503	59,284	4.4
93-94	0.174313	11,403	1,988	10,409	46,780	4.1
94-95	0.187476	9,415	1,765	8,533	36,371	3.9
95-96	0.201227	7,650	1,539	6,881	27,838	3.6
96-97	0.215533	6,111	1,317	5,452	20,958	3.4
97-98	0.230352	4,794	1,104	4,242	15,506	3.2
98-99	0.245636	3,689	906	3,236	11,264	3.1
99-100	0.261326	2,783	727	2,420	8,028	2.9
100 and over	1.000000	2,056	2,056	5,608	5,608	2.7