

National Center for Health Statistics (NCHS): United States life tables, 2011. In: National Vital Statistics Reports; Vol. 64, No. 11, 2015, p. 11-14, downloaded from: www.cdc.gov (22.11.2016).

Table 2. Life table for males: United States, 2011Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table02.xlsx.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.006575	100,000	658	99,427	7,629,389	76.3
1-2	0.000445	99,342	44	99,320	7,529,961	75.8
2-3	0.000301	99,298	30	99,283	7,430,641	74.8
3-4	0.000240	99,268	24	99,256	7,331,358	73.9
4-5	0.000183	99,244	18	99,235	7,232,101	72.9
5-6	0.000169	99,226	17	99,218	7,132,866	71.9
6-7	0.000150	99,210	15	99,202	7,033,648	70.9
7-8	0.000134	99,195	13	99,188	6,934,446	69.9
8-9	0.000115	99,181	11	99,176	6,835,258	68.9
9-10	0.000097	99,170	10	99,165	6,736,082	67.9
10-11	0.000085	99,160	8	99,156	6,636,917	66.9
11-12	0.000092	99,152	9	99,147	6,537,761	65.9
12-13	0.000132	99,143	13	99,136	6,438,613	64.9
13-14	0.000213	99,130	21	99,119	6,339,477	64.0
14-15	0.000323	99,109	32	99,093	6,240,358	63.0
15-16	0.000439	99,077	43	99,055	6,141,265	62.0
16-17	0.000552	99,033	55	99,006	6,042,210	61.0
17-18	0.000675	98,979	67	98,945	5,943,204	60.0
18-19	0.000807	98,912	80	98,872	5,844,259	59.1
19-20	0.000942	98,832	93	98,785	5,745,387	58.1
20-21	0.001085	98,739	107	98,685	5,646,602	57.2
21-22	0.001216	98,632	120	98,572	5,547,917	56.2
22-23	0.001310	98,512	129	98,447	5,449,345	55.3
23-24	0.001353	98,383	133	98,316	5,350,898	54.4
24-25	0.001358	98,250	133	98,183	5,252,582	53.5
25-26	0.001351	98,116	133	98,050	5,154,399	52.5
26-27	0.001349	97,984	132	97,918	5,056,349	51.6
27-28	0.001353	97,852	132	97,785	4,958,431	50.7
28-29	0.001371	97,719	134	97,652	4,860,646	49.7
29-30	0.001399	97,585	137	97,517	4,762,994	48.8
30-31	0.001432	97,449	140	97,379	4,665,477	47.9
31-32	0.001464	97,309	143	97,238	4,568,098	46.9
32-33	0.001496	97,167	145	97,094	4,470,860	46.0
33-34	0.001528	97,021	148	96,947	4,373,766	45.1
34-35	0.001563	96,873	151	96,797	4,276,819	44.1
35-36	0.001613	96,722	156	96,643	4,180,022	43.2
36-37	0.001682	96,565	162	96,484	4,083,378	42.3
37-38	0.001764	96,403	170	96,318	3,986,894	41.4
38-39	0.001857	96,233	179	96,144	3,890,576	40.4
39-40	0.001964	96,054	189	95,960	3,794,432	39.5
40-41	0.002083	95,866	200	95,766	3,698,472	38.6
41-42	0.002227	95,666	213	95,560	3,602,706	37.7
42-43	0.002414	95,453	230	95,338	3,507,147	36.7
43-44	0.002653	95,223	253	95,096	3,411,809	35.8
44-45	0.002939	94,970	279	94,830	3,316,713	34.9
45-46	0.003243	94,691	307	94,537	3,221,882	34.0
46-47	0.003563	94,384	336	94,216	3,127,345	33.1
47-48	0.003922	94,047	369	93,863	3,033,129	32.3
48-49	0.004320	93,679	405	93,476	2,939,266	31.4
49-50	0.004749	93,274	443	93,052	2,845,790	30.5
50-51	0.005193	92,831	482	92,590	2,752,738	29.7
51-52	0.005647	92,349	522	92,088	2,660,148	28.8
52-53	0.006122	91,827	562	91,546	2,568,060	28.0
53-54	0.006630	91,265	605	90,963	2,476,514	27.1
54-55	0.007181	90,660	651	90,335	2,385,551	26.3
55-56	0.007779	90,009	700	89,659	2,295,216	25.5
56-57	0.008415	89,309	752	88,933	2,205,557	24.7
57-58	0.009074	88,557	804	88,156	2,116,624	23.9
58-59	0.009727	87,754	854	87,327	2,028,469	23.1
59-60	0.010371	86,900	901	86,450	1,941,141	22.3
60-61	0.011034	85,999	949	85,525	1,854,692	21.6

See footnote at end of table.

Table 2. Life table for males: United States, 2011—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table02.xlsx.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
61-62	0.011738	85,050	998	84,551	1,769,167	20.8
62-63	0.012489	84,052	1,050	83,527	1,684,616	20.0
63-64	0.013335	83,002	1,107	82,449	1,601,089	19.3
64-65	0.014319	81,895	1,173	81,309	1,518,641	18.5
65-66	0.015482	80,723	1,250	80,098	1,437,332	17.8
66-67	0.016824	79,473	1,337	78,804	1,357,234	17.1
67-68	0.018330	78,136	1,432	77,420	1,278,430	16.4
68-69	0.019900	76,703	1,526	75,940	1,201,010	15.7
69-70	0.021539	75,177	1,619	74,367	1,125,070	15.0
70-71	0.023396	73,558	1,721	72,697	1,050,702	14.3
71-72	0.025476	71,837	1,830	70,922	978,005	13.6
72-73	0.027794	70,007	1,946	69,034	907,083	13.0
73-74	0.030350	68,061	2,066	67,028	838,049	12.3
74-75	0.033204	65,995	2,191	64,900	771,021	11.7
75-76	0.036345	63,804	2,319	62,645	706,121	11.1
76-77	0.039788	61,485	2,446	60,262	643,477	10.5
77-78	0.043720	59,039	2,581	57,748	583,215	9.9
78-79	0.048335	56,458	2,729	55,093	525,467	9.3
79-80	0.053650	53,729	2,883	52,287	470,374	8.8
80-81	0.059565	50,846	3,029	49,332	418,086	8.2
81-82	0.065848	47,817	3,149	46,243	368,754	7.7
82-83	0.072956	44,669	3,259	43,039	322,511	7.2
83-84	0.080741	41,410	3,343	39,738	279,472	6.7
84-85	0.089357	38,066	3,402	36,366	239,734	6.3
85-86	0.099650	34,665	3,454	32,938	203,368	5.9
86-87	0.110901	31,211	3,461	29,480	170,430	5.5
87-88	0.123146	27,749	3,417	26,041	140,950	5.1
88-89	0.136412	24,332	3,319	22,672	114,910	4.7
89-90	0.150710	21,013	3,167	19,429	92,237	4.4
90-91	0.166038	17,846	2,963	16,364	72,808	4.1
91-92	0.182374	14,883	2,714	13,526	56,443	3.8
92-93	0.199676	12,169	2,430	10,954	42,918	3.5
93-94	0.217880	9,739	2,122	8,678	31,964	3.3
94-95	0.236903	7,617	1,804	6,715	23,286	3.1
95-96	0.256636	5,812	1,492	5,067	16,571	2.9
96-97	0.276954	4,321	1,197	3,722	11,505	2.7
97-98	0.297713	3,124	930	2,659	7,782	2.5
98-99	0.318755	2,194	699	1,844	5,123	2.3
99-100	0.339914	1,495	508	1,241	3,279	2.2
100 and over	1.000000	987	987	2,038	2,038	2.1

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 3. Life table for females: United States, 2011Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table03.xlsx.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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	0.005516	100,000	552	99,514	8,105,137	81.1
1-2	0.000382	99,448	38	99,429	8,005,623	80.5
2-3	0.000225	99,410	22	99,399	7,906,193	79.5
3-4	0.000175	99,388	17	99,379	7,806,794	78.5
4-5	0.000151	99,371	15	99,363	7,707,415	77.6
5-6	0.000132	99,356	13	99,349	7,608,052	76.6
6-7	0.000117	99,342	12	99,337	7,508,703	75.6
7-8	0.000106	99,331	10	99,326	7,409,366	74.6
8-9	0.000096	99,320	10	99,316	7,310,041	73.6
9-10	0.000088	99,311	9	99,306	7,210,725	72.6
10-11	0.000084	99,302	8	99,298	7,111,419	71.6
11-12	0.000087	99,294	9	99,289	7,012,121	70.6
12-13	0.000102	99,285	10	99,280	6,912,831	69.6
13-14	0.000129	99,275	13	99,269	6,813,551	68.6
14-15	0.000166	99,262	16	99,254	6,714,283	67.6
15-16	0.000207	99,246	21	99,235	6,615,029	66.7
16-17	0.000247	99,225	25	99,213	6,515,793	65.7
17-18	0.000286	99,201	28	99,187	6,416,580	64.7
18-19	0.000320	99,172	32	99,157	6,317,394	63.7
19-20	0.000351	99,141	35	99,123	6,218,237	62.7
20-21	0.000384	99,106	38	99,087	6,119,114	61.7
21-22	0.000416	99,068	41	99,047	6,020,027	60.8
22-23	0.000445	99,027	44	99,005	5,920,980	59.8
23-24	0.000467	98,983	46	98,959	5,821,976	58.8
24-25	0.000486	98,936	48	98,912	5,723,016	57.8
25-26	0.000505	98,888	50	98,863	5,624,104	56.9
26-27	0.000526	98,838	52	98,812	5,525,241	55.9
27-28	0.000553	98,786	55	98,759	5,426,429	54.9
28-29	0.000587	98,732	58	98,703	5,327,670	54.0
29-30	0.000627	98,674	62	98,643	5,228,967	53.0
30-31	0.000673	98,612	66	98,579	5,130,324	52.0
31-32	0.000721	98,546	71	98,510	5,031,745	51.1
32-33	0.000766	98,475	75	98,437	4,933,235	50.1
33-34	0.000805	98,399	79	98,360	4,834,798	49.1
34-35	0.000842	98,320	83	98,279	4,736,439	48.2
35-36	0.000888	98,237	87	98,193	4,638,160	47.2
36-37	0.000947	98,150	93	98,103	4,539,967	46.3
37-38	0.001017	98,057	100	98,007	4,441,864	45.3
38-39	0.001099	97,957	108	97,903	4,343,856	44.3
39-40	0.001192	97,850	117	97,791	4,245,953	43.4
40-41	0.001291	97,733	126	97,670	4,148,162	42.4
41-42	0.001402	97,607	137	97,538	4,050,492	41.5
42-43	0.001535	97,470	150	97,395	3,952,954	40.6
43-44	0.001695	97,320	165	97,238	3,855,558	39.6
44-45	0.001879	97,155	183	97,064	3,758,321	38.7
45-46	0.002070	96,973	201	96,873	3,661,256	37.8
46-47	0.002268	96,772	220	96,662	3,564,384	36.8
47-48	0.002486	96,553	240	96,433	3,467,721	35.9
48-49	0.002725	96,313	262	96,181	3,371,289	35.0
49-50	0.002977	96,050	286	95,907	3,275,107	34.1
50-51	0.003245	95,764	311	95,609	3,179,200	33.2
51-52	0.003514	95,454	335	95,286	3,083,591	32.3
52-53	0.003776	95,118	359	94,938	2,988,305	31.4
53-54	0.004029	94,759	382	94,568	2,893,367	30.5
54-55	0.004289	94,377	405	94,175	2,798,799	29.7
55-56	0.004564	93,972	429	93,758	2,704,624	28.8
56-57	0.004875	93,543	456	93,315	2,610,866	27.9
57-58	0.005234	93,087	487	92,844	2,517,551	27.0
58-59	0.005647	92,600	523	92,339	2,424,707	26.2
59-60	0.006103	92,077	562	91,796	2,332,369	25.3
60-61	0.006589	91,515	603	91,214	2,240,572	24.5

See footnote at end of table.

Table 3. Life table for females: United States, 2011—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table03.xlsx.

Age (years)	Probability of dying between ages x and $x + 1$	Number surviving to age x	Number dying between ages x and $x + 1$	Person-years lived between ages x and $x + 1$	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
61–62	0.007104	90,912	646	90,589	2,149,359	23.6
62–63	0.007665	90,266	692	89,921	2,058,769	22.8
63–64	0.008303	89,575	744	89,203	1,968,849	22.0
64–65	0.009050	88,831	804	88,429	1,879,646	21.2
65–66	0.009953	88,027	876	87,589	1,791,217	20.3
66–67	0.011001	87,151	959	86,671	1,703,628	19.5
67–68	0.012124	86,192	1,045	85,670	1,616,957	18.8
68–69	0.013250	85,147	1,128	84,583	1,531,287	18.0
69–70	0.014419	84,019	1,211	83,413	1,446,704	17.2
70–71	0.015718	82,807	1,302	82,157	1,363,291	16.5
71–72	0.017201	81,506	1,402	80,805	1,281,135	15.7
72–73	0.018896	80,104	1,514	79,347	1,200,330	15.0
73–74	0.020818	78,590	1,636	77,772	1,120,983	14.3
74–75	0.022996	76,954	1,770	76,069	1,043,211	13.6
75–76	0.025387	75,184	1,909	74,230	967,142	12.9
76–77	0.028090	73,276	2,058	72,247	892,911	12.2
77–78	0.031225	71,217	2,224	70,106	820,665	11.5
78–79	0.034786	68,994	2,400	67,794	750,559	10.9
79–80	0.038792	66,594	2,583	65,302	682,766	10.3
80–81	0.043109	64,010	2,759	62,631	617,463	9.6
81–82	0.047800	61,251	2,928	59,787	554,833	9.1
82–83	0.053181	58,323	3,102	56,772	495,046	8.5
83–84	0.059365	55,221	3,278	53,582	438,273	7.9
84–85	0.066859	51,943	3,473	50,207	384,691	7.4
85–86	0.075391	48,470	3,654	46,643	334,484	6.9
86–87	0.084744	44,816	3,798	42,917	287,841	6.4
87–88	0.095072	41,018	3,900	39,068	244,924	6.0
88–89	0.106427	37,119	3,950	35,143	205,855	5.5
89–90	0.118857	33,168	3,942	31,197	170,712	5.1
90–91	0.132396	29,226	3,869	27,291	139,515	4.8
91–92	0.147063	25,356	3,729	23,492	112,224	4.4
92–93	0.162859	21,627	3,522	19,866	88,732	4.1
93–94	0.179765	18,105	3,255	16,478	68,866	3.8
94–95	0.197737	14,851	2,937	13,382	52,388	3.5
95–96	0.216706	11,914	2,582	10,623	39,006	3.3
96–97	0.236577	9,332	2,208	8,228	28,382	3.0
97–98	0.257228	7,124	1,833	6,208	20,154	2.8
98–99	0.278515	5,292	1,474	4,555	13,946	2.6
99–100	0.300271	3,818	1,146	3,245	9,391	2.5
100 and over	1.000000	2,672	2,672	6,146	6,146	2.3

SOURCE: CDC/NCHS, National Vital Statistics System.