

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics: United States Life Tables, 2013. NVSR Volume 66, Number 3. 65 pp. (PHS) 2017-1120; downloaded from: www.cdc.gov (19.12.2018).

Table 2. Life table for males: United States, 2013Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_03/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	0.006514	100,000	651	99,427	7,641,771	76.4
1-2	0.000463	99,349	46	99,326	7,542,343	75.9
2-3	0.000289	99,303	29	99,288	7,443,018	75.0
3-4	0.000209	99,274	21	99,263	7,343,729	74.0
4-5	0.000180	99,253	18	99,244	7,244,466	73.0
5-6	0.000165	99,235	16	99,227	7,145,222	72.0
6-7	0.000148	99,219	15	99,211	7,045,995	71.0
7-8	0.000132	99,204	13	99,198	6,946,783	70.0
8-9	0.000115	99,191	11	99,185	6,847,586	69.0
9-10	0.000099	99,180	10	99,175	6,748,400	68.0
10-11	0.000090	99,170	9	99,165	6,649,226	67.0
11-12	0.000097	99,161	10	99,156	6,550,060	66.1
12-13	0.000130	99,151	13	99,145	6,450,904	65.1
13-14	0.000196	99,139	19	99,129	6,351,759	64.1
14-15	0.000289	99,119	29	99,105	6,252,630	63.1
15-16	0.000386	99,090	38	99,071	6,153,526	62.1
16-17	0.000486	99,052	48	99,028	6,054,454	61.1
17-18	0.000605	99,004	60	98,974	5,955,426	60.2
18-19	0.000740	98,944	73	98,907	5,856,452	59.2
19-20	0.000880	98,871	87	98,827	5,757,545	58.2
20-21	0.001024	98,784	101	98,733	5,658,717	57.3
21-22	0.001152	98,683	114	98,626	5,559,984	56.3
22-23	0.001245	98,569	123	98,508	5,461,358	55.4
23-24	0.001296	98,446	128	98,382	5,362,851	54.5
24-25	0.001316	98,319	129	98,254	5,264,468	53.5
25-26	0.001326	98,189	130	98,124	5,166,214	52.6
26-27	0.001342	98,059	132	97,993	5,068,090	51.7
27-28	0.001362	97,927	133	97,861	4,970,097	50.8
28-29	0.001392	97,794	136	97,726	4,872,236	49.8
29-30	0.001429	97,658	140	97,588	4,774,510	48.9
30-31	0.001470	97,518	143	97,447	4,676,922	48.0
31-32	0.001509	97,375	147	97,302	4,579,476	47.0
32-33	0.001543	97,228	150	97,153	4,482,174	46.1
33-34	0.001571	97,078	153	97,002	4,385,021	45.2
34-35	0.001601	96,926	155	96,848	4,288,019	44.2
35-36	0.001640	96,770	159	96,691	4,191,171	43.3
36-37	0.001698	96,612	164	96,530	4,094,480	42.4
37-38	0.001774	96,448	171	96,362	3,997,951	41.5
38-39	0.001868	96,276	180	96,187	3,901,589	40.5
39-40	0.001978	96,097	190	96,002	3,805,402	39.6
40-41	0.002105	95,906	202	95,806	3,709,401	38.7
41-42	0.002253	95,705	216	95,597	3,613,595	37.8
42-43	0.002425	95,489	232	95,373	3,517,998	36.8
43-44	0.002631	95,257	251	95,132	3,422,625	35.9
44-45	0.002875	95,007	273	94,870	3,327,493	35.0
45-46	0.003143	94,734	298	94,585	3,232,623	34.1
46-47	0.003443	94,436	325	94,273	3,138,038	33.2
47-48	0.003798	94,111	357	93,932	3,043,765	32.3
48-49	0.004205	93,753	394	93,556	2,949,833	31.5
49-50	0.004645	93,359	434	93,142	2,856,277	30.6
50-51	0.005090	92,925	473	92,689	2,763,135	29.7
51-52	0.005541	92,452	512	92,196	2,670,446	28.9
52-53	0.006026	91,940	554	91,663	2,578,250	28.0
53-54	0.006565	91,386	600	91,086	2,486,587	27.2
54-55	0.007158	90,786	650	90,461	2,395,501	26.4
55-56	0.007794	90,136	703	89,785	2,305,040	25.6
56-57	0.008451	89,434	756	89,056	2,215,255	24.8
57-58	0.009124	88,678	809	88,273	2,126,199	24.0
58-59	0.009803	87,869	861	87,438	2,037,926	23.2
59-60	0.010500	87,007	914	86,551	1,950,488	22.4
60-61	0.011256	86,094	969	85,609	1,863,937	21.7

See footnote at end of table.

Table 2. Life table for males: United States, 2013—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_03/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	0.012076	85,125	1,028	84,611	1,778,328	20.9
62–63	0.012921	84,097	1,087	83,553	1,693,717	20.1
63–64	0.013773	83,010	1,143	82,439	1,610,164	19.4
64–65	0.014646	81,867	1,199	81,267	1,527,725	18.7
65–66	0.015569	80,668	1,256	80,040	1,446,458	17.9
66–67	0.016603	79,412	1,318	78,753	1,366,418	17.2
67–68	0.017800	78,094	1,390	77,399	1,287,665	16.5
68–69	0.019228	76,704	1,475	75,966	1,210,266	15.8
69–70	0.020906	75,229	1,573	74,442	1,134,300	15.1
70–71	0.022826	73,656	1,681	72,815	1,059,858	14.4
71–72	0.024998	71,975	1,799	71,075	987,043	13.7
72–73	0.027356	70,175	1,920	69,216	915,968	13.1
73–74	0.029913	68,256	2,042	67,235	846,752	12.4
74–75	0.032679	66,214	2,164	65,132	779,517	11.8
75–76	0.035524	64,050	2,275	62,912	714,385	11.2
76–77	0.039010	61,775	2,410	60,570	651,473	10.5
77–78	0.043116	59,365	2,560	58,085	590,903	10.0
78–79	0.047647	56,805	2,707	55,452	532,818	9.4
79–80	0.052626	54,099	2,847	52,675	477,366	8.8
80–81	0.058301	51,252	2,988	49,758	424,691	8.3
81–82	0.064637	48,264	3,120	46,704	374,933	7.8
82–83	0.071412	45,144	3,224	43,532	328,229	7.3
83–84	0.079031	41,920	3,313	40,264	284,697	6.8
84–85	0.087905	38,607	3,394	36,910	244,433	6.3
85–86	0.098958	35,214	3,485	33,471	207,523	5.9
86–87	0.110149	31,729	3,495	29,981	174,052	5.5
87–88	0.122333	28,234	3,454	26,507	144,070	5.1
88–89	0.135536	24,780	3,359	23,101	117,563	4.7
89–90	0.149773	21,421	3,208	19,817	94,462	4.4
90–91	0.165040	18,213	3,006	16,710	74,645	4.1
91–92	0.181318	15,207	2,757	13,829	57,935	3.8
92–93	0.198565	12,450	2,472	11,214	44,107	3.5
93–94	0.216721	9,978	2,162	8,897	32,893	3.3
94–95	0.235701	7,815	1,842	6,894	23,996	3.1
95–96	0.255399	5,973	1,526	5,210	17,102	2.9
96–97	0.275691	4,448	1,226	3,835	11,891	2.7
97–98	0.296433	3,222	955	2,744	8,057	2.5
98–99	0.317468	2,267	720	1,907	5,313	2.3
99–100	0.338631	1,547	524	1,285	3,406	2.2
100 and over	1.000000	1,023	1,023	2,121	2,121	2.1

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 3. Life table for females: United States, 2013Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_03/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	0.005374	100,000	537	99,524	8,117,726	81.2
1-2	0.000379	99,463	38	99,444	8,018,202	80.6
2-3	0.000219	99,425	22	99,414	7,918,758	79.6
3-4	0.000162	99,403	16	99,395	7,819,344	78.7
4-5	0.000136	99,387	14	99,380	7,719,949	77.7
5-6	0.000124	99,374	12	99,367	7,620,569	76.7
6-7	0.000110	99,361	11	99,356	7,521,201	75.7
7-8	0.000100	99,350	10	99,345	7,421,846	74.7
8-9	0.000094	99,340	9	99,336	7,322,500	73.7
9-10	0.000091	99,331	9	99,326	7,223,165	72.7
10-11	0.000093	99,322	9	99,317	7,123,838	71.7
11-12	0.000100	99,313	10	99,308	7,024,521	70.7
12-13	0.000114	99,303	11	99,297	6,925,213	69.7
13-14	0.000135	99,292	13	99,285	6,825,916	68.7
14-15	0.000162	99,278	16	99,270	6,726,631	67.8
15-16	0.000193	99,262	19	99,252	6,627,361	66.8
16-17	0.000225	99,243	22	99,232	6,528,109	65.8
17-18	0.000261	99,221	26	99,208	6,428,877	64.8
18-19	0.000299	99,195	30	99,180	6,329,669	63.8
19-20	0.000338	99,165	33	99,148	6,230,489	62.8
20-21	0.000377	99,132	37	99,113	6,131,341	61.9
21-22	0.000415	99,094	41	99,074	6,032,228	60.9
22-23	0.000447	99,053	44	99,031	5,933,154	59.9
23-24	0.000471	99,009	47	98,985	5,834,123	58.9
24-25	0.000492	98,962	49	98,938	5,735,138	58.0
25-26	0.000513	98,913	51	98,888	5,636,200	57.0
26-27	0.000537	98,863	53	98,836	5,537,312	56.0
27-28	0.000564	98,810	56	98,782	5,438,476	55.0
28-29	0.000596	98,754	59	98,724	5,339,694	54.1
29-30	0.000631	98,695	62	98,664	5,240,970	53.1
30-31	0.000670	98,633	66	98,600	5,142,306	52.1
31-32	0.000711	98,567	70	98,532	5,043,706	51.2
32-33	0.000752	98,497	74	98,460	4,945,175	50.2
33-34	0.000794	98,423	78	98,383	4,846,715	49.2
34-35	0.000841	98,344	83	98,303	4,748,332	48.3
35-36	0.000897	98,262	88	98,218	4,650,029	47.3
36-37	0.000965	98,174	95	98,126	4,551,811	46.4
37-38	0.001041	98,079	102	98,028	4,453,685	45.4
38-39	0.001122	97,977	110	97,922	4,355,657	44.5
39-40	0.001207	97,867	118	97,808	4,257,735	43.5
40-41	0.001299	97,749	127	97,685	4,159,927	42.6
41-42	0.001403	97,622	137	97,553	4,062,242	41.6
42-43	0.001523	97,485	148	97,411	3,964,689	40.7
43-44	0.001663	97,336	162	97,255	3,867,278	39.7
44-45	0.001827	97,174	178	97,086	3,770,023	38.8
45-46	0.002004	96,997	194	96,900	3,672,937	37.9
46-47	0.002197	96,802	213	96,696	3,576,038	36.9
47-48	0.002421	96,590	234	96,473	3,479,342	36.0
48-49	0.002674	96,356	258	96,227	3,382,869	35.1
49-50	0.002941	96,098	283	95,957	3,286,642	34.2
50-51	0.003212	95,816	308	95,662	3,190,685	33.3
51-52	0.003484	95,508	333	95,341	3,095,023	32.4
52-53	0.003760	95,175	358	94,996	2,999,682	31.5
53-54	0.004046	94,817	384	94,625	2,904,686	30.6
54-55	0.004351	94,434	411	94,228	2,810,060	29.8
55-56	0.004680	94,023	440	93,803	2,715,832	28.9
56-57	0.005028	93,583	471	93,347	2,622,029	28.0
57-58	0.005391	93,112	502	92,861	2,528,682	27.2
58-59	0.005766	92,610	534	92,343	2,435,821	26.3
59-60	0.006166	92,076	568	91,792	2,343,477	25.5
60-61	0.006598	91,508	604	91,207	2,251,685	24.6

See footnote at end of table.

Table 3. Life table for females: United States, 2013—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/66_03/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	0.007083	90,905	644	90,583	2,160,479	23.8
62–63	0.007638	90,261	689	89,916	2,069,896	22.9
63–64	0.008279	89,571	742	89,201	1,979,980	22.1
64–65	0.009003	88,830	800	88,430	1,890,779	21.3
65–66	0.009813	88,030	864	87,598	1,802,349	20.5
66–67	0.010703	87,166	933	86,700	1,714,751	19.7
67–68	0.011675	86,233	1,007	85,730	1,628,051	18.9
68–69	0.012753	85,227	1,087	84,683	1,542,321	18.1
69–70	0.013958	84,140	1,174	83,552	1,457,638	17.3
70–71	0.015325	82,965	1,271	82,329	1,374,086	16.6
71–72	0.016892	81,694	1,380	81,004	1,291,756	15.8
72–73	0.018650	80,314	1,498	79,565	1,210,752	15.1
73–74	0.020487	78,816	1,615	78,009	1,131,188	14.4
74–75	0.022554	77,201	1,741	76,331	1,053,179	13.6
75–76	0.024831	75,460	1,874	74,523	976,848	12.9
76–77	0.027514	73,586	2,025	72,574	902,325	12.3
77–78	0.030684	71,562	2,196	70,464	829,751	11.6
78–79	0.034250	69,366	2,376	68,178	759,288	10.9
79–80	0.038265	66,990	2,563	65,708	691,110	10.3
80–81	0.042554	64,427	2,742	63,056	625,401	9.7
81–82	0.047066	61,685	2,903	60,233	562,346	9.1
82–83	0.052561	58,782	3,090	57,237	502,112	8.5
83–84	0.058864	55,692	3,278	54,053	444,875	8.0
84–85	0.066285	52,414	3,474	50,677	390,822	7.5
85–86	0.074167	48,940	3,630	47,125	340,145	7.0
86–87	0.083469	45,310	3,782	43,419	293,021	6.5
87–88	0.093753	41,528	3,893	39,581	249,602	6.0
88–89	0.105076	37,635	3,955	35,657	210,021	5.6
89–90	0.117487	33,680	3,957	31,702	174,363	5.2
90–91	0.131021	29,723	3,894	27,776	142,662	4.8
91–92	0.145700	25,829	3,763	23,947	114,886	4.4
92–93	0.161528	22,066	3,564	20,283	90,939	4.1
93–94	0.178486	18,501	3,302	16,850	70,655	3.8
94–95	0.196532	15,199	2,987	13,706	53,805	3.5
95–96	0.215597	12,212	2,633	10,896	40,099	3.3
96–97	0.235585	9,579	2,257	8,451	29,204	3.0
97–98	0.256372	7,322	1,877	6,384	20,753	2.8
98–99	0.277812	5,445	1,513	4,689	14,369	2.6
99–100	0.299734	3,932	1,179	3,343	9,681	2.5
100 and over	1.000000	2,754	2,754	6,337	6,337	2.3

SOURCE: NCHS, National Vital Statistics System, Mortality.