

Table 2. Life table for males: United States, 2018Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-12/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	0.006213	100,000	621	99,456	7,622,240	76.2
1-2	0.000411	99,379	41	99,358	7,522,784	75.7
2-3	0.000301	99,338	30	99,323	7,423,426	74.7
3-4	0.000223	99,308	22	99,297	7,324,103	73.8
4-5	0.000170	99,286	17	99,277	7,224,806	72.8
5-6	0.000160	99,269	16	99,261	7,125,529	71.8
6-7	0.000141	99,253	14	99,246	7,026,268	70.8
7-8	0.000124	99,239	12	99,233	6,927,022	69.8
8-9	0.000108	99,227	11	99,221	6,827,789	68.8
9-10	0.000092	99,216	9	99,211	6,728,568	67.8
10-11	0.000085	99,207	8	99,203	6,629,356	66.8
11-12	0.000095	99,199	9	99,194	6,530,154	65.8
12-13	0.000135	99,189	13	99,182	6,430,960	64.8
13-14	0.000210	99,176	21	99,165	6,331,777	63.8
14-15	0.000315	99,155	31	99,139	6,232,612	62.9
15-16	0.000432	99,124	43	99,102	6,133,473	61.9
16-17	0.000551	99,081	55	99,053	6,034,371	60.9
17-18	0.000679	99,026	67	98,993	5,935,317	59.9
18-19	0.000811	98,959	80	98,919	5,836,325	59.0
19-20	0.000945	98,879	93	98,832	5,737,406	58.0
20-21	0.001082	98,785	107	98,732	5,638,574	57.1
21-22	0.001214	98,678	120	98,618	5,539,842	56.1
22-23	0.001327	98,559	131	98,493	5,441,224	55.2
23-24	0.001413	98,428	139	98,358	5,342,730	54.3
24-25	0.001476	98,289	145	98,216	5,244,372	53.4
25-26	0.001531	98,144	150	98,068	5,146,156	52.4
26-27	0.001584	97,993	155	97,916	5,048,088	51.5
27-28	0.001633	97,838	160	97,758	4,950,172	50.6
28-29	0.001681	97,678	164	97,596	4,852,414	49.7
29-30	0.001730	97,514	169	97,430	4,754,818	48.8
30-31	0.001779	97,345	173	97,259	4,657,388	47.8
31-32	0.001829	97,172	178	97,083	4,560,129	46.9
32-33	0.001888	96,994	183	96,903	4,463,046	46.0
33-34	0.001957	96,811	189	96,717	4,366,143	45.1
34-35	0.002032	96,622	196	96,524	4,269,426	44.2
35-36	0.002119	96,425	204	96,323	4,172,903	43.3
36-37	0.002209	96,221	213	96,115	4,076,580	42.4
37-38	0.002286	96,009	219	95,899	3,980,465	41.5
38-39	0.002346	95,789	225	95,677	3,884,566	40.6
39-40	0.002401	95,564	229	95,450	3,788,889	39.6
40-41	0.002468	95,335	235	95,217	3,693,440	38.7
41-42	0.002565	95,100	244	94,978	3,598,223	37.8
42-43	0.002700	94,856	256	94,728	3,503,245	36.9
43-44	0.002876	94,600	272	94,464	3,408,517	36.0
44-45	0.003084	94,327	291	94,182	3,314,054	35.1
45-46	0.003318	94,037	312	93,881	3,219,872	34.2
46-47	0.003572	93,725	335	93,557	3,125,991	33.4
47-48	0.003850	93,390	360	93,210	3,032,434	32.5
48-49	0.004161	93,030	387	92,837	2,939,224	31.6
49-50	0.004515	92,643	418	92,434	2,846,387	30.7
50-51	0.004895	92,225	451	91,999	2,753,953	29.9
51-52	0.005321	91,773	488	91,529	2,661,954	29.0
52-53	0.005835	91,285	533	91,019	2,570,425	28.2
53-54	0.006438	90,752	584	90,460	2,479,406	27.3
54-55	0.007098	90,168	640	89,848	2,388,946	26.5
55-56	0.007765	89,528	695	89,181	2,299,098	25.7
56-57	0.008432	88,833	749	88,458	2,209,917	24.9
57-58	0.009126	88,084	804	87,682	2,121,458	24.1
58-59	0.009870	87,280	861	86,849	2,033,776	23.3
59-60	0.010670	86,419	922	85,958	1,946,927	22.5

Table 2. Life table for males: United States, 2018—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-12/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
60–61.	0.011534	85,497	986	85,004	1,860,969	21.8
61–62.	0.012431	84,511	1,051	83,985	1,775,966	21.0
62–63.	0.013332	83,460	1,113	82,904	1,691,981	20.3
63–64.	0.014219	82,347	1,171	81,762	1,609,077	19.5
64–65.	0.015117	81,176	1,227	80,563	1,527,315	18.8
65–66.	0.016078	79,949	1,285	79,306	1,446,752	18.1
66–67.	0.017216	78,664	1,354	77,987	1,367,446	17.4
67–68.	0.018401	77,310	1,423	76,598	1,289,459	16.7
68–69.	0.019666	75,887	1,492	75,141	1,212,861	16.0
69–70.	0.021099	74,395	1,570	73,610	1,137,720	15.3
70–71.	0.022544	72,825	1,642	72,004	1,064,111	14.6
71–72.	0.024099	71,183	1,715	70,325	992,107	13.9
72–73.	0.026447	69,468	1,837	68,549	921,781	13.3
73–74.	0.028617	67,630	1,935	66,663	853,232	12.6
74–75.	0.031390	65,695	2,062	64,664	786,569	12.0
75–76.	0.034322	63,633	2,184	62,541	721,905	11.3
76–77.	0.037970	61,449	2,333	60,282	659,364	10.7
77–78.	0.041944	59,116	2,480	57,876	599,082	10.1
78–79.	0.045881	56,636	2,599	55,337	541,206	9.6
79–80.	0.050573	54,038	2,733	52,671	485,869	9.0
80–81.	0.055675	51,305	2,856	49,877	433,198	8.4
81–82.	0.061704	48,448	2,989	46,954	383,321	7.9
82–83.	0.068389	45,459	3,109	43,905	336,368	7.4
83–84.	0.075732	42,350	3,207	40,746	292,463	6.9
84–85.	0.085241	39,143	3,337	37,475	251,717	6.4
85–86.	0.094489	35,806	3,383	34,115	214,242	6.0
86–87.	0.104787	32,423	3,397	30,724	180,128	5.6
87–88.	0.117465	29,025	3,409	27,321	149,403	5.1
88–89.	0.131319	25,616	3,364	23,934	122,083	4.8
89–90.	0.146372	22,252	3,257	20,624	98,149	4.4
90–91.	0.162625	18,995	3,089	17,451	77,525	4.1
91–92.	0.180060	15,906	2,864	14,474	60,075	3.8
92–93.	0.198626	13,042	2,590	11,747	45,601	3.5
93–94.	0.218248	10,451	2,281	9,311	33,854	3.2
94–95.	0.238820	8,170	1,951	7,195	24,543	3.0
95–96.	0.260206	6,219	1,618	5,410	17,348	2.8
96–97.	0.282243	4,601	1,299	3,952	11,938	2.6
97–98.	0.304747	3,302	1,006	2,799	7,986	2.4
98–99.	0.327517	2,296	752	1,920	5,187	2.3
99–100.	0.350342	1,544	541	1,274	3,267	2.1
100 and over	1.000000	1,003	1,003	1,994	1,994	2.0

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

Table 3. Life table for females: United States, 2018Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/69-12/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	0.005061	100,000	506	99,557	8,124,665	81.2
1-2	0.000320	99,494	32	99,478	8,025,108	80.7
2-3	0.000224	99,462	22	99,451	7,925,630	79.7
3-4	0.000150	99,440	15	99,432	7,826,179	78.7
4-5	0.000125	99,425	12	99,419	7,726,747	77.7
5-6	0.000123	99,412	12	99,406	7,627,328	76.7
6-7	0.000111	99,400	11	99,395	7,527,922	75.7
7-8	0.000102	99,389	10	99,384	7,428,527	74.7
8-9	0.000097	99,379	10	99,374	7,329,143	73.7
9-10	0.000096	99,369	9	99,365	7,229,769	72.8
10-11	0.000098	99,360	10	99,355	7,130,404	71.8
11-12	0.000106	99,350	10	99,345	7,031,049	70.8
12-13	0.000121	99,340	12	99,334	6,931,704	69.8
13-14	0.000146	99,328	14	99,320	6,832,370	68.8
14-15	0.000177	99,313	18	99,304	6,733,050	67.8
15-16	0.000214	99,296	21	99,285	6,633,746	66.8
16-17	0.000253	99,274	25	99,262	6,534,461	65.8
17-18	0.000292	99,249	29	99,235	6,435,199	64.8
18-19	0.000329	99,220	33	99,204	6,335,964	63.9
19-20	0.000365	99,188	36	99,170	6,236,760	62.9
20-21	0.000402	99,151	40	99,132	6,137,591	61.9
21-22	0.000441	99,112	44	99,090	6,038,459	60.9
22-23	0.000481	99,068	48	99,044	5,939,369	60.0
23-24	0.000521	99,020	52	98,994	5,840,325	59.0
24-25	0.000560	98,969	55	98,941	5,741,331	58.0
25-26	0.000598	98,913	59	98,884	5,642,390	57.0
26-27	0.000635	98,854	63	98,823	5,543,506	56.1
27-28	0.000675	98,791	67	98,758	5,444,683	55.1
28-29	0.000718	98,725	71	98,689	5,345,925	54.1
29-30	0.000765	98,654	76	98,616	5,247,236	53.2
30-31	0.000818	98,578	81	98,538	5,148,620	52.2
31-32	0.000872	98,498	86	98,455	5,050,082	51.3
32-33	0.000928	98,412	91	98,366	4,951,627	50.3
33-34	0.000983	98,321	97	98,272	4,853,261	49.4
34-35	0.001037	98,224	102	98,173	4,754,988	48.4
35-36	0.001097	98,122	108	98,068	4,656,816	47.5
36-37	0.001160	98,014	114	97,957	4,558,747	46.5
37-38	0.001219	97,901	119	97,841	4,460,790	45.6
38-39	0.001274	97,781	125	97,719	4,362,949	44.6
39-40	0.001330	97,657	130	97,592	4,265,230	43.7
40-41	0.001396	97,527	136	97,459	4,167,638	42.7
41-42	0.001480	97,391	144	97,319	4,070,180	41.8
42-43	0.001584	97,247	154	97,170	3,972,861	40.9
43-44	0.001709	97,093	166	97,010	3,875,691	39.9
44-45	0.001849	96,927	179	96,837	3,778,682	39.0
45-46	0.002002	96,747	194	96,650	3,681,845	38.1
46-47	0.002167	96,554	209	96,449	3,585,194	37.1
47-48	0.002348	96,344	226	96,231	3,488,745	36.2
48-49	0.002551	96,118	245	95,996	3,392,514	35.3
49-50	0.002781	95,873	267	95,740	3,296,519	34.4
50-51	0.003028	95,606	289	95,462	3,200,779	33.5
51-52	0.003299	95,317	314	95,160	3,105,317	32.6
52-53	0.003615	95,002	343	94,831	3,010,158	31.7
53-54	0.003974	94,659	376	94,471	2,915,327	30.8
54-55	0.004357	94,283	411	94,077	2,820,856	29.9
55-56	0.004746	93,872	446	93,649	2,726,779	29.0
56-57	0.005135	93,426	480	93,187	2,633,129	28.2
57-58	0.005530	92,947	514	92,690	2,539,943	27.3
58-59	0.005940	92,433	549	92,158	2,447,253	26.5
59-60	0.006376	91,884	586	91,591	2,355,095	25.6

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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
60–61.....	0.006849	91,298	625	90,985	2,263,504	24.8
61–62.....	0.007354	90,672	667	90,339	2,172,519	24.0
62–63.....	0.007879	90,006	709	89,651	2,082,180	23.1
63–64.....	0.008425	89,296	752	88,920	1,992,529	22.3
64–65.....	0.009008	88,544	798	88,145	1,903,609	21.5
65–66.....	0.009638	87,747	846	87,324	1,815,464	20.7
66–67.....	0.010386	86,901	903	86,450	1,728,140	19.9
67–68.....	0.011235	85,998	966	85,515	1,641,690	19.1
68–69.....	0.012237	85,032	1,041	84,512	1,556,175	18.3
69–70.....	0.013393	83,992	1,125	83,429	1,471,663	17.5
70–71.....	0.014731	82,867	1,221	82,256	1,388,234	16.8
71–72.....	0.016080	81,646	1,313	80,990	1,305,978	16.0
72–73.....	0.017952	80,333	1,442	79,612	1,224,989	15.2
73–74.....	0.019637	78,891	1,549	78,116	1,145,377	14.5
74–75.....	0.021744	77,342	1,682	76,501	1,067,260	13.8
75–76.....	0.023929	75,660	1,810	74,755	990,759	13.1
76–77.....	0.026629	73,850	1,967	72,866	916,004	12.4
77–78.....	0.029547	71,883	2,124	70,821	843,138	11.7
78–79.....	0.032857	69,759	2,292	68,613	772,317	11.1
79–80.....	0.036519	67,467	2,464	66,235	703,704	10.4
80–81.....	0.040589	65,003	2,638	63,684	637,469	9.8
81–82.....	0.045639	62,365	2,846	60,942	573,785	9.2
82–83.....	0.051261	59,518	3,051	57,993	512,844	8.6
83–84.....	0.057423	56,468	3,243	54,846	454,851	8.1
84–85.....	0.065035	53,225	3,461	51,494	400,004	7.5
85–86.....	0.072862	49,763	3,626	47,951	348,510	7.0
86–87.....	0.080121	46,138	3,697	44,289	300,559	6.5
87–88.....	0.090650	42,441	3,847	40,517	256,270	6.0
88–89.....	0.102322	38,594	3,949	36,619	215,753	5.6
89–90.....	0.115196	34,645	3,991	32,649	179,133	5.2
90–91.....	0.129319	30,654	3,964	28,672	146,484	4.8
91–92.....	0.144719	26,690	3,863	24,758	117,812	4.4
92–93.....	0.161402	22,827	3,684	20,985	93,054	4.1
93–94.....	0.179347	19,143	3,433	17,426	72,069	3.8
94–95.....	0.198504	15,710	3,118	14,150	54,643	3.5
95–96.....	0.218788	12,591	2,755	11,214	40,492	3.2
96–97.....	0.240082	9,836	2,362	8,656	29,278	3.0
97–98.....	0.262235	7,475	1,960	6,495	20,623	2.8
98–99.....	0.285066	5,515	1,572	4,729	14,128	2.6
99–100.....	0.308369	3,943	1,216	3,335	9,399	2.4
100 and over.....	1.000000	2,727	2,727	6,064	6,064	2.2

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.