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United States Life Tables, 2019. National Vital Statistics Report Volume 70, Number 9. 59pp.
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Table 2. Life table for males: United States, 2019Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/70-19/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	0.006080	100,000	608	99,470	7,631,130	76.3
1-2	0.000415	99,392	41	99,371	7,531,660	75.8
2-3	0.000257	99,351	26	99,338	7,432,289	74.8
3-4	0.000193	99,325	19	99,316	7,332,951	73.8
4-5	0.000153	99,306	15	99,298	7,233,635	72.8
5-6	0.000149	99,291	15	99,283	7,134,337	71.9
6-7	0.000137	99,276	14	99,269	7,035,053	70.9
7-8	0.000126	99,263	12	99,256	6,935,784	69.9
8-9	0.000113	99,250	11	99,244	6,836,528	68.9
9-10	0.000101	99,239	10	99,234	6,737,283	67.9
10-11	0.000095	99,229	9	99,224	6,638,049	66.9
11-12	0.000106	99,219	11	99,214	6,538,825	65.9
12-13	0.000145	99,209	14	99,202	6,439,611	64.9
13-14	0.000221	99,194	22	99,183	6,340,410	63.9
14-15	0.000324	99,172	32	99,156	6,241,226	62.9
15-16	0.000438	99,140	43	99,119	6,142,070	62.0
16-17	0.000554	99,097	55	99,069	6,042,951	61.0
17-18	0.000679	99,042	67	99,008	5,943,882	60.0
18-19	0.000809	98,975	80	98,935	5,844,874	59.1
19-20	0.000940	98,895	93	98,848	5,745,939	58.1
20-21	0.001077	98,802	106	98,748	5,647,091	57.2
21-22	0.001211	98,695	120	98,635	5,548,342	56.2
22-23	0.001324	98,576	131	98,510	5,449,707	55.3
23-24	0.001407	98,445	138	98,376	5,351,196	54.4
24-25	0.001465	98,307	144	98,235	5,252,820	53.4
25-26	0.001514	98,163	149	98,088	5,154,586	52.5
26-27	0.001564	98,014	153	97,937	5,056,497	51.6
27-28	0.001614	97,861	158	97,782	4,958,560	50.7
28-29	0.001669	97,703	163	97,621	4,860,778	49.8
29-30	0.001730	97,540	169	97,455	4,763,156	48.8
30-31	0.001794	97,371	175	97,284	4,665,701	47.9
31-32	0.001858	97,196	181	97,106	4,568,417	47.0
32-33	0.001926	97,016	187	96,922	4,471,311	46.1
33-34	0.001998	96,829	193	96,732	4,374,389	45.2
34-35	0.002072	96,636	200	96,535	4,277,656	44.3
35-36	0.002154	96,435	208	96,332	4,181,121	43.4
36-37	0.002241	96,228	216	96,120	4,084,789	42.4
37-38	0.002323	96,012	223	95,900	3,988,669	41.5
38-39	0.002399	95,789	230	95,674	3,892,769	40.6
39-40	0.002476	95,559	237	95,441	3,797,095	39.7
40-41	0.002569	95,323	245	95,200	3,701,654	38.8
41-42	0.002685	95,078	255	94,950	3,606,454	37.9
42-43	0.002824	94,822	268	94,688	3,511,504	37.0
43-44	0.002983	94,555	282	94,414	3,416,815	36.1
44-45	0.003162	94,273	298	94,124	3,322,402	35.2
45-46	0.003365	93,974	316	93,816	3,228,278	34.4
46-47	0.003596	93,658	337	93,490	3,134,462	33.5
47-48	0.003856	93,321	360	93,142	3,040,972	32.6
48-49	0.004154	92,962	386	92,769	2,947,831	31.7
49-50	0.004497	92,575	416	92,367	2,855,062	30.8
50-51	0.004867	92,159	449	91,935	2,762,695	30.0
51-52	0.005284	91,711	485	91,468	2,670,760	29.1
52-53	0.005789	91,226	528	90,962	2,579,292	28.3
53-54	0.006385	90,698	579	90,408	2,488,330	27.4
54-55	0.007034	90,119	634	89,802	2,397,921	26.6
55-56	0.007687	89,485	688	89,141	2,308,120	25.8
56-57	0.008338	88,797	740	88,427	2,218,979	25.0
57-58	0.009024	88,057	795	87,659	2,130,552	24.2
58-59	0.009768	87,262	852	86,836	2,042,893	23.4
59-60	0.010575	86,410	914	85,953	1,956,057	22.6

Table 2. Life table for males: United States, 2019—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/70-19/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.....	0.011445	85,496	979	85,007	1,870,104	21.9
61–62.....	0.012342	84,517	1,043	83,996	1,785,097	21.1
62–63.....	0.013242	83,474	1,105	82,922	1,701,101	20.4
63–64.....	0.014130	82,369	1,164	81,787	1,618,180	19.6
64–65.....	0.015033	81,205	1,221	80,595	1,536,393	18.9
65–66.....	0.016003	79,984	1,280	79,344	1,455,798	18.2
66–67.....	0.017154	78,704	1,350	78,029	1,376,454	17.5
67–68.....	0.018348	77,354	1,419	76,644	1,298,425	16.8
68–69.....	0.019601	75,935	1,488	75,191	1,221,780	16.1
69–70.....	0.020915	74,446	1,557	73,668	1,146,590	15.4
70–71.....	0.022303	72,889	1,626	72,077	1,072,922	14.7
71–72.....	0.023930	71,264	1,705	70,411	1,000,845	14.0
72–73.....	0.025553	69,558	1,777	68,670	930,434	13.4
73–74.....	0.028257	67,781	1,915	66,823	861,764	12.7
74–75.....	0.030698	65,866	2,022	64,855	794,941	12.1
75–76.....	0.033891	63,844	2,164	62,762	730,086	11.4
76–77.....	0.037078	61,680	2,287	60,537	667,324	10.8
77–78.....	0.041154	59,393	2,444	58,171	606,788	10.2
78–79.....	0.045300	56,949	2,580	55,659	548,617	9.6
79–80.....	0.049951	54,369	2,716	53,011	492,958	9.1
80–81.....	0.054931	51,653	2,837	50,235	439,947	8.5
81–82.....	0.060709	48,816	2,964	47,334	389,712	8.0
82–83.....	0.067466	45,852	3,093	44,306	342,378	7.5
83–84.....	0.074945	42,759	3,205	41,157	298,073	7.0
84–85.....	0.083495	39,554	3,303	37,903	256,916	6.5
85–86.....	0.093585	36,252	3,393	34,555	219,013	6.0
86–87.....	0.103957	32,859	3,416	31,151	184,458	5.6
87–88.....	0.116315	29,443	3,425	27,731	153,307	5.2
88–89.....	0.129805	26,018	3,377	24,330	125,576	4.8
89–90.....	0.144448	22,641	3,270	21,006	101,246	4.5
90–91.....	0.160250	19,371	3,104	17,819	80,240	4.1
91–92.....	0.177194	16,267	2,882	14,825	62,422	3.8
92–93.....	0.195239	13,384	2,613	12,078	47,596	3.6
93–94.....	0.214316	10,771	2,308	9,617	35,519	3.3
94–95.....	0.234332	8,463	1,983	7,471	25,902	3.1
95–96.....	0.255162	6,480	1,653	5,653	18,431	2.8
96–97.....	0.276659	4,826	1,335	4,159	12,778	2.6
97–98.....	0.298653	3,491	1,043	2,970	8,619	2.5
98–99.....	0.320956	2,448	786	2,056	5,649	2.3
99–100.....	0.343371	1,663	571	1,377	3,594	2.2
100 and over.....	1.000000	1,092	1,092	2,217	2,217	2.0

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

Table 3. Life table for females: United States, 2019Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/70-19/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	0.005045	100,000	504	99,559	8,138,598	81.4
1-2	0.000341	99,496	34	99,479	8,039,039	80.8
2-3	0.000209	99,462	21	99,451	7,939,561	79.8
3-4	0.000166	99,441	16	99,432	7,840,110	78.8
4-5	0.000137	99,424	14	99,417	7,740,677	77.9
5-6	0.000125	99,411	12	99,404	7,641,260	76.9
6-7	0.000112	99,398	11	99,393	7,541,855	75.9
7-8	0.000102	99,387	10	99,382	7,442,463	74.9
8-9	0.000096	99,377	10	99,372	7,343,081	73.9
9-10	0.000093	99,367	9	99,363	7,243,708	72.9
10-11	0.000095	99,358	9	99,353	7,144,346	71.9
11-12	0.000102	99,349	10	99,344	7,044,992	70.9
12-13	0.000116	99,339	12	99,333	6,945,649	69.9
13-14	0.000139	99,327	14	99,320	6,846,316	68.9
14-15	0.000170	99,313	17	99,305	6,746,996	67.9
15-16	0.000204	99,296	20	99,286	6,647,691	66.9
16-17	0.000241	99,276	24	99,264	6,548,405	66.0
17-18	0.000280	99,252	28	99,238	6,449,141	65.0
18-19	0.000319	99,224	32	99,209	6,349,902	64.0
19-20	0.000360	99,193	36	99,175	6,250,694	63.0
20-21	0.000404	99,157	40	99,137	6,151,519	62.0
21-22	0.000449	99,117	45	99,095	6,052,382	61.1
22-23	0.000490	99,072	49	99,048	5,953,287	60.1
23-24	0.000524	99,024	52	98,998	5,854,239	59.1
24-25	0.000553	98,972	55	98,945	5,755,241	58.2
25-26	0.000579	98,917	57	98,889	5,656,297	57.2
26-27	0.000608	98,860	60	98,830	5,557,408	56.2
27-28	0.000644	98,800	64	98,768	5,458,578	55.2
28-29	0.000690	98,736	68	98,702	5,359,810	54.3
29-30	0.000746	98,668	74	98,631	5,261,108	53.3
30-31	0.000808	98,594	80	98,555	5,162,477	52.4
31-32	0.000870	98,515	86	98,472	5,063,922	51.4
32-33	0.000933	98,429	92	98,383	4,965,450	50.4
33-34	0.000992	98,337	98	98,288	4,867,067	49.5
34-35	0.001049	98,240	103	98,188	4,768,778	48.5
35-36	0.001112	98,137	109	98,082	4,670,590	47.6
36-37	0.001178	98,028	116	97,970	4,572,508	46.6
37-38	0.001240	97,912	121	97,851	4,474,538	45.7
38-39	0.001295	97,791	127	97,727	4,376,687	44.8
39-40	0.001351	97,664	132	97,598	4,278,960	43.8
40-41	0.001414	97,532	138	97,463	4,181,362	42.9
41-42	0.001493	97,394	145	97,322	4,083,898	41.9
42-43	0.001593	97,249	155	97,171	3,986,577	41.0
43-44	0.001714	97,094	166	97,011	3,889,406	40.1
44-45	0.001851	96,928	179	96,838	3,792,395	39.1
45-46	0.002005	96,748	194	96,651	3,695,557	38.2
46-47	0.002172	96,554	210	96,449	3,598,906	37.3
47-48	0.002347	96,344	226	96,231	3,502,457	36.4
48-49	0.002534	96,118	244	95,996	3,406,226	35.4
49-50	0.002741	95,875	263	95,743	3,310,229	34.5
50-51	0.002964	95,612	283	95,470	3,214,486	33.6
51-52	0.003217	95,328	307	95,175	3,119,016	32.7
52-53	0.003519	95,022	334	94,855	3,023,841	31.8
53-54	0.003869	94,687	366	94,504	2,928,986	30.9
54-55	0.004246	94,321	401	94,121	2,834,482	30.1
55-56	0.004623	93,921	434	93,703	2,740,361	29.2
56-57	0.005000	93,486	467	93,253	2,646,658	28.3
57-58	0.005405	93,019	503	92,768	2,553,405	27.5
58-59	0.005853	92,516	542	92,245	2,460,638	26.6
59-60	0.006346	91,975	584	91,683	2,368,392	25.8

Table 3. Life table for females: United States, 2019—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/70-19/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
60–61.....	0.006891	91,391	630	91,076	2,276,710	24.9
61–62.....	0.007455	90,761	677	90,423	2,185,633	24.1
62–63.....	0.008004	90,085	721	89,724	2,095,211	23.3
63–64.....	0.008520	89,364	761	88,983	2,005,487	22.4
64–65.....	0.009033	88,602	800	88,202	1,916,504	21.6
65–66.....	0.009573	87,802	840	87,382	1,828,302	20.8
66–67.....	0.010236	86,961	890	86,516	1,740,920	20.0
67–68.....	0.011030	86,071	949	85,597	1,654,404	19.2
68–69.....	0.012018	85,122	1,023	84,610	1,568,807	18.4
69–70.....	0.013187	84,099	1,109	83,544	1,484,197	17.6
70–71.....	0.014484	82,990	1,202	82,389	1,400,653	16.9
71–72.....	0.015956	81,788	1,305	81,135	1,318,264	16.1
72–73.....	0.017382	80,483	1,399	79,783	1,237,129	15.4
73–74.....	0.019431	79,084	1,537	78,316	1,157,345	14.6
74–75.....	0.021198	77,547	1,644	76,725	1,079,030	13.9
75–76.....	0.023549	75,903	1,787	75,010	1,002,304	13.2
76–77.....	0.025917	74,116	1,921	73,156	927,295	12.5
77–78.....	0.029002	72,195	2,094	71,148	854,139	11.8
78–79.....	0.032220	70,101	2,259	68,972	782,991	11.2
79–80.....	0.035944	67,843	2,439	66,623	714,019	10.5
80–81.....	0.040043	65,404	2,619	64,095	647,396	9.9
81–82.....	0.044578	62,785	2,799	61,386	583,301	9.3
82–83.....	0.050431	59,986	3,025	58,474	521,916	8.7
83–84.....	0.056908	56,961	3,242	55,340	463,442	8.1
84–85.....	0.063205	53,719	3,395	52,022	408,102	7.6
85–86.....	0.071076	50,324	3,577	48,536	356,080	7.1
86–87.....	0.080252	46,747	3,752	44,872	307,544	6.6
87–88.....	0.090433	42,996	3,888	41,052	262,673	6.1
88–89.....	0.101682	39,108	3,977	37,119	221,621	5.7
89–90.....	0.114054	35,131	4,007	33,128	184,502	5.3
90–91.....	0.127590	31,124	3,971	29,139	151,374	4.9
91–92.....	0.142319	27,153	3,864	25,221	122,236	4.5
92–93.....	0.158250	23,289	3,685	21,446	97,015	4.2
93–94.....	0.175367	19,603	3,438	17,884	75,569	3.9
94–95.....	0.193631	16,165	3,130	14,600	57,685	3.6
95–96.....	0.212972	13,035	2,776	11,647	43,084	3.3
96–97.....	0.233293	10,259	2,393	9,062	31,437	3.1
97–98.....	0.254465	7,866	2,002	6,865	22,375	2.8
98–99.....	0.276333	5,864	1,620	5,054	15,510	2.6
99–100.....	0.298719	4,244	1,268	3,610	10,456	2.5
100 and over.....	1.000000	2,976	2,976	6,846	6,846	2.3

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