

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2019): United States Life Tables, 2016. National Vital Statistics Report Volume 68, Number 4. 65pp. (PHS) 2019-1120. Downloaded from: www.cdc.gov (09.07.2019).

Table 5. Life table for white males: United States, 2016Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/68_04/Table05.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	0.005382	100,000	538	99,531	7,643,145	76.4
1-2	0.000404	99,462	40	99,442	7,543,613	75.8
2-3	0.000253	99,422	25	99,409	7,444,172	74.9
3-4	0.000200	99,396	20	99,387	7,344,763	73.9
4-5	0.000144	99,377	14	99,369	7,245,376	72.9
5-6	0.000149	99,362	15	99,355	7,146,007	71.9
6-7	0.000134	99,347	13	99,341	7,046,652	70.9
7-8	0.000121	99,334	12	99,328	6,947,311	69.9
8-9	0.000106	99,322	11	99,317	6,847,983	68.9
9-10	0.000092	99,312	9	99,307	6,748,666	68.0
10-11	0.000085	99,302	8	99,298	6,649,359	67.0
11-12	0.000095	99,294	9	99,289	6,550,061	66.0
12-13	0.000130	99,285	13	99,278	6,450,772	65.0
13-14	0.000199	99,272	20	99,262	6,351,494	64.0
14-15	0.000294	99,252	29	99,237	6,252,232	63.0
15-16	0.000395	99,223	39	99,203	6,152,995	62.0
16-17	0.000501	99,184	50	99,159	6,053,792	61.0
17-18	0.000627	99,134	62	99,103	5,954,633	60.1
18-19	0.000773	99,072	77	99,033	5,855,530	59.1
19-20	0.000929	98,995	92	98,949	5,756,497	58.1
20-21	0.001091	98,903	108	98,849	5,657,548	57.2
21-22	0.001241	98,795	123	98,734	5,558,699	56.3
22-23	0.001363	98,673	134	98,605	5,459,965	55.3
23-24	0.001446	98,538	143	98,467	5,361,359	54.4
24-25	0.001502	98,396	148	98,322	5,262,893	53.5
25-26	0.001548	98,248	152	98,172	5,164,571	52.6
26-27	0.001597	98,096	157	98,017	5,066,399	51.6
27-28	0.001643	97,939	161	97,859	4,968,382	50.7
28-29	0.001688	97,778	165	97,696	4,870,523	49.8
29-30	0.001734	97,613	169	97,528	4,772,827	48.9
30-31	0.001779	97,444	173	97,357	4,675,299	48.0
31-32	0.001822	97,270	177	97,182	4,577,942	47.1
32-33	0.001867	97,093	181	97,003	4,480,760	46.1
33-34	0.001916	96,912	186	96,819	4,383,757	45.2
34-35	0.001968	96,726	190	96,631	4,286,938	44.3
35-36	0.002030	96,536	196	96,438	4,190,307	43.4
36-37	0.002099	96,340	202	96,239	4,093,869	42.5
37-38	0.002164	96,138	208	96,034	3,997,630	41.6
38-39	0.002222	95,930	213	95,823	3,901,597	40.7
39-40	0.002282	95,717	218	95,607	3,805,773	39.8
40-41	0.002361	95,498	225	95,385	3,710,166	38.9
41-42	0.002471	95,273	235	95,155	3,614,781	37.9
42-43	0.002606	95,037	248	94,913	3,519,626	37.0
43-44	0.002766	94,790	262	94,659	3,424,712	36.1
44-45	0.002949	94,527	279	94,388	3,330,054	35.2
45-46	0.003146	94,249	296	94,100	3,235,666	34.3
46-47	0.003374	93,952	317	93,794	3,141,565	33.4
47-48	0.003663	93,635	343	93,464	3,047,772	32.5
48-49	0.004029	93,292	376	93,104	2,954,308	31.7
49-50	0.004461	92,916	415	92,709	2,861,204	30.8
50-51	0.004919	92,502	455	92,274	2,768,495	29.9
51-52	0.005393	92,047	496	91,798	2,676,221	29.1
52-53	0.005910	91,550	541	91,280	2,584,422	28.2
53-54	0.006470	91,009	589	90,715	2,493,142	27.4
54-55	0.007059	90,420	638	90,101	2,402,428	26.6
55-56	0.007670	89,782	689	89,438	2,312,326	25.8
56-57	0.008290	89,093	739	88,724	2,222,889	25.0
57-58	0.008925	88,355	789	87,961	2,134,164	24.2
58-59	0.009587	87,566	840	87,147	2,046,204	23.4
59-60	0.010295	86,727	893	86,280	1,959,057	22.6
60-61	0.011065	85,834	950	85,359	1,872,777	21.8

Table 5. Life table for white males: United States, 2016—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/68_04/Table05.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.....	0.011894	84,884	1,010	84,379	1,787,418	21.1
62–63.....	0.012761	83,875	1,070	83,339	1,703,038	20.3
63–64.....	0.013634	82,804	1,129	82,240	1,619,699	19.6
64–65.....	0.014509	81,675	1,185	81,083	1,537,459	18.8
65–66.....	0.015403	80,490	1,240	79,870	1,456,376	18.1
66–67.....	0.016395	79,250	1,299	78,601	1,376,506	17.4
67–68.....	0.017521	77,951	1,366	77,268	1,297,905	16.7
68–69.....	0.018835	76,585	1,442	75,864	1,220,637	15.9
69–70.....	0.020396	75,143	1,533	74,377	1,144,773	15.2
70–71.....	0.022291	73,610	1,641	72,790	1,070,396	14.5
71–72.....	0.024536	71,969	1,766	71,087	997,606	13.9
72–73.....	0.026943	70,204	1,891	69,258	926,520	13.2
73–74.....	0.029359	68,312	2,006	67,309	857,262	12.5
74–75.....	0.032026	66,307	2,124	65,245	789,952	11.9
75–76.....	0.035044	64,183	2,249	63,058	724,708	11.3
76–77.....	0.038452	61,934	2,381	60,743	661,649	10.7
77–78.....	0.042131	59,552	2,509	58,298	600,906	10.1
78–79.....	0.046165	57,043	2,633	55,727	542,608	9.5
79–80.....	0.051128	54,410	2,782	53,019	486,882	8.9
80–81.....	0.056572	51,628	2,921	50,168	433,863	8.4
81–82.....	0.062268	48,707	3,033	47,191	383,695	7.9
82–83.....	0.068979	45,674	3,151	44,099	336,504	7.4
83–84.....	0.076975	42,524	3,273	40,887	292,405	6.9
84–85.....	0.085425	39,251	3,353	37,574	251,518	6.4
85–86.....	0.095274	35,898	3,420	34,188	213,944	6.0
86–87.....	0.106418	32,478	3,456	30,749	179,756	5.5
87–88.....	0.118944	29,021	3,452	27,295	149,007	5.1
88–89.....	0.132597	25,569	3,390	23,874	121,711	4.8
89–90.....	0.147394	22,179	3,269	20,544	97,837	4.4
90–91.....	0.163338	18,910	3,089	17,366	77,292	4.1
91–92.....	0.180407	15,821	2,854	14,394	59,927	3.8
92–93.....	0.198557	12,967	2,575	11,680	45,533	3.5
93–94.....	0.217715	10,392	2,263	9,261	33,853	3.3
94–95.....	0.237782	8,130	1,933	7,163	24,592	3.0
95–96.....	0.258634	6,197	1,603	5,395	17,429	2.8
96–97.....	0.280120	4,594	1,287	3,951	12,034	2.6
97–98.....	0.302069	3,307	999	2,808	8,083	2.4
98–99.....	0.324295	2,308	749	1,934	5,276	2.3
99–100.....	0.346602	1,560	541	1,289	3,342	2.1
100 and over.....	1.000000	1,019	1,019	2,052	2,052	2.0

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 6. Life table for white females: United States, 2016Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/68_04/Table06.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	0.004458	100,000	446	99,607	8,130,745	81.3
1-2	0.000322	99,554	32	99,538	8,031,138	80.7
2-3	0.000213	99,522	21	99,511	7,931,600	79.7
3-4	0.000149	99,501	15	99,493	7,832,088	78.7
4-5	0.000141	99,486	14	99,479	7,732,595	77.7
5-6	0.000122	99,472	12	99,466	7,633,116	76.7
6-7	0.000109	99,460	11	99,454	7,533,650	75.7
7-8	0.000100	99,449	10	99,444	7,434,196	74.8
8-9	0.000092	99,439	9	99,435	7,334,751	73.8
9-10	0.000087	99,430	9	99,426	7,235,317	72.8
10-11	0.000086	99,421	9	99,417	7,135,891	71.8
11-12	0.000091	99,413	9	99,408	7,036,474	70.8
12-13	0.000106	99,404	11	99,398	6,937,066	69.8
13-14	0.000134	99,393	13	99,387	6,837,668	68.8
14-15	0.000170	99,380	17	99,371	6,738,281	67.8
15-16	0.000212	99,363	21	99,352	6,638,910	66.8
16-17	0.000254	99,342	25	99,329	6,539,557	65.8
17-18	0.000296	99,317	29	99,302	6,440,228	64.8
18-19	0.000335	99,287	33	99,271	6,340,926	63.9
19-20	0.000372	99,254	37	99,235	6,241,656	62.9
20-21	0.000409	99,217	41	99,197	6,142,420	61.9
21-22	0.000448	99,176	44	99,154	6,043,224	60.9
22-23	0.000486	99,132	48	99,108	5,944,069	60.0
23-24	0.000522	99,084	52	99,058	5,844,962	59.0
24-25	0.000556	99,032	55	99,005	5,745,904	58.0
25-26	0.000590	98,977	58	98,948	5,646,899	57.1
26-27	0.000626	98,919	62	98,888	5,547,951	56.1
27-28	0.000664	98,857	66	98,824	5,449,064	55.1
28-29	0.000708	98,791	70	98,756	5,350,240	54.2
29-30	0.000757	98,721	75	98,684	5,251,484	53.2
30-31	0.000809	98,646	80	98,606	5,152,800	52.2
31-32	0.000862	98,566	85	98,524	5,054,194	51.3
32-33	0.000914	98,481	90	98,436	4,955,670	50.3
33-34	0.000962	98,391	95	98,344	4,857,234	49.4
34-35	0.001009	98,297	99	98,247	4,758,889	48.4
35-36	0.001062	98,198	104	98,146	4,660,642	47.5
36-37	0.001122	98,093	110	98,038	4,562,497	46.5
37-38	0.001181	97,983	116	97,925	4,464,458	45.6
38-39	0.001239	97,868	121	97,807	4,366,533	44.6
39-40	0.001302	97,746	127	97,683	4,268,726	43.7
40-41	0.001376	97,619	134	97,552	4,171,043	42.7
41-42	0.001469	97,485	143	97,413	4,073,491	41.8
42-43	0.001577	97,342	154	97,265	3,976,078	40.8
43-44	0.001700	97,188	165	97,105	3,878,813	39.9
44-45	0.001836	97,023	178	96,934	3,781,708	39.0
45-46	0.001978	96,845	192	96,749	3,684,774	38.0
46-47	0.002137	96,653	207	96,550	3,588,026	37.1
47-48	0.002326	96,447	224	96,334	3,491,476	36.2
48-49	0.002554	96,222	246	96,099	3,395,142	35.3
49-50	0.002815	95,976	270	95,841	3,299,042	34.4
50-51	0.003088	95,706	296	95,558	3,203,201	33.5
51-52	0.003368	95,411	321	95,250	3,107,643	32.6
52-53	0.003671	95,089	349	94,915	3,012,393	31.7
53-54	0.003995	94,740	378	94,551	2,917,478	30.8
54-55	0.004334	94,362	409	94,157	2,822,927	29.9
55-56	0.004692	93,953	441	93,732	2,728,770	29.0
56-57	0.005058	93,512	473	93,275	2,635,037	28.2
57-58	0.005420	93,039	504	92,787	2,541,762	27.3
58-59	0.005781	92,535	535	92,267	2,448,975	26.5
59-60	0.006159	92,000	567	91,716	2,356,708	25.6
60-61	0.006569	91,433	601	91,133	2,264,991	24.8

Table 6. Life table for white females: United States, 2016—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/68_04/Table06.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.....	0.007032	90,832	639	90,513	2,173,859	23.9
62–63.....	0.007562	90,194	682	89,853	2,083,345	23.1
63–64.....	0.008165	89,512	731	89,146	1,993,493	22.3
64–65.....	0.008826	88,781	784	88,389	1,904,346	21.4
65–66.....	0.009528	87,997	838	87,578	1,815,957	20.6
66–67.....	0.010290	87,159	897	86,710	1,728,379	19.8
67–68.....	0.011171	86,262	964	85,780	1,641,669	19.0
68–69.....	0.012226	85,298	1,043	84,777	1,555,889	18.2
69–70.....	0.013405	84,255	1,129	83,691	1,471,112	17.5
70–71.....	0.014737	83,126	1,225	82,513	1,387,421	16.7
71–72.....	0.016501	81,901	1,351	81,225	1,304,908	15.9
72–73.....	0.018598	80,549	1,498	79,800	1,223,683	15.2
73–74.....	0.020427	79,051	1,615	78,244	1,143,883	14.5
74–75.....	0.022109	77,437	1,712	76,581	1,065,639	13.8
75–76.....	0.024147	75,725	1,828	74,810	989,058	13.1
76–77.....	0.026780	73,896	1,979	72,907	914,248	12.4
77–78.....	0.029863	71,917	2,148	70,843	841,341	11.7
78–79.....	0.033086	69,769	2,308	68,615	770,498	11.0
79–80.....	0.036791	67,461	2,482	66,220	701,883	10.4
80–81.....	0.041330	64,979	2,686	63,636	635,662	9.8
81–82.....	0.046096	62,294	2,871	60,858	572,026	9.2
82–83.....	0.051382	59,422	3,053	57,895	511,168	8.6
83–84.....	0.058136	56,369	3,277	54,730	453,273	8.0
84–85.....	0.065741	53,092	3,490	51,347	398,543	7.5
85–86.....	0.073771	49,601	3,659	47,772	347,196	7.0
86–87.....	0.082919	45,942	3,809	44,038	299,424	6.5
87–88.....	0.093023	42,133	3,919	40,173	255,387	6.1
88–89.....	0.104138	38,214	3,979	36,224	215,213	5.6
89–90.....	0.116312	34,234	3,982	32,243	178,990	5.2
90–91.....	0.129582	30,252	3,920	28,292	146,747	4.9
91–92.....	0.143969	26,332	3,791	24,437	118,454	4.5
92–93.....	0.159480	22,541	3,595	20,744	94,018	4.2
93–94.....	0.176099	18,946	3,336	17,278	73,274	3.9
94–95.....	0.193787	15,610	3,025	14,097	55,996	3.6
95–96.....	0.212483	12,585	2,674	11,248	41,899	3.3
96–97.....	0.232098	9,911	2,300	8,761	30,651	3.1
97–98.....	0.252516	7,611	1,922	6,650	21,890	2.9
98–99.....	0.273600	5,689	1,556	4,911	15,241	2.7
99–100.....	0.295189	4,132	1,220	3,522	10,330	2.5
100 and over.....	1.000000	2,912	2,912	6,808	6,808	2.3

SOURCE: NCHS, National Vital Statistics System, Mortality.