

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 14. Life table for non-Hispanic white males: United States, 2016Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/68_04/Table14.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.....	0.005302	100,000	530	99,543	7,615,689	76.2
1-2.....	0.000449	99,470	45	99,447	7,516,146	75.6
2-3.....	0.000295	99,425	29	99,410	7,416,698	74.6
3-4.....	0.000215	99,396	21	99,385	7,317,288	73.6
4-5.....	0.000168	99,374	17	99,366	7,217,903	72.6
5-6.....	0.000161	99,358	16	99,350	7,118,537	71.6
6-7.....	0.000141	99,342	14	99,335	7,019,187	70.7
7-8.....	0.000125	99,328	12	99,322	6,919,852	69.7
8-9.....	0.000111	99,315	11	99,310	6,820,530	68.7
9-10.....	0.000103	99,304	10	99,299	6,721,220	67.7
10-11.....	0.000103	99,294	10	99,289	6,621,921	66.7
11-12.....	0.000119	99,284	12	99,278	6,522,632	65.7
12-13.....	0.000157	99,272	16	99,264	6,423,354	64.7
13-14.....	0.000223	99,257	22	99,245	6,324,090	63.7
14-15.....	0.000311	99,234	31	99,219	6,224,844	62.7
15-16.....	0.000405	99,204	40	99,183	6,125,625	61.7
16-17.....	0.000505	99,163	50	99,138	6,026,442	60.8
17-18.....	0.000628	99,113	62	99,082	5,927,304	59.8
18-19.....	0.000776	99,051	77	99,013	5,828,222	58.8
19-20.....	0.000938	98,974	93	98,928	5,729,209	57.9
20-21.....	0.001105	98,881	109	98,827	5,630,282	56.9
21-22.....	0.001262	98,772	125	98,710	5,531,455	56.0
22-23.....	0.001393	98,647	137	98,579	5,432,745	55.1
23-24.....	0.001488	98,510	147	98,437	5,334,167	54.1
24-25.....	0.001556	98,363	153	98,287	5,235,730	53.2
25-26.....	0.001617	98,210	159	98,131	5,137,443	52.3
26-27.....	0.001679	98,051	165	97,969	5,039,313	51.4
27-28.....	0.001738	97,887	170	97,802	4,941,343	50.5
28-29.....	0.001797	97,717	176	97,629	4,843,542	49.6
29-30.....	0.001856	97,541	181	97,451	4,745,913	48.7
30-31.....	0.001916	97,360	186	97,267	4,648,462	47.7
31-32.....	0.001973	97,173	192	97,078	4,551,196	46.8
32-33.....	0.002030	96,982	197	96,883	4,454,118	45.9
33-34.....	0.002084	96,785	202	96,684	4,357,235	45.0
34-35.....	0.002139	96,583	207	96,480	4,260,551	44.1
35-36.....	0.002204	96,377	212	96,270	4,164,071	43.2
36-37.....	0.002276	96,164	219	96,055	4,067,800	42.3
37-38.....	0.002343	95,945	225	95,833	3,971,745	41.4
38-39.....	0.002401	95,721	230	95,606	3,875,912	40.5
39-40.....	0.002462	95,491	235	95,373	3,780,307	39.6
40-41.....	0.002545	95,256	242	95,134	3,684,934	38.7
41-42.....	0.002661	95,013	253	94,887	3,589,799	37.8
42-43.....	0.002801	94,760	265	94,628	3,494,912	36.9
43-44.....	0.002962	94,495	280	94,355	3,400,285	36.0
44-45.....	0.003143	94,215	296	94,067	3,305,930	35.1
45-46.....	0.003336	93,919	313	93,762	3,211,863	34.2
46-47.....	0.003563	93,605	334	93,439	3,118,101	33.3
47-48.....	0.003852	93,272	359	93,092	3,024,662	32.4
48-49.....	0.004219	92,913	392	92,717	2,931,570	31.6
49-50.....	0.004653	92,521	431	92,305	2,838,853	30.7
50-51.....	0.005109	92,090	470	91,855	2,746,548	29.8
51-52.....	0.005579	91,620	511	91,364	2,654,693	29.0
52-53.....	0.006098	91,108	556	90,831	2,563,329	28.1
53-54.....	0.006664	90,553	603	90,251	2,472,498	27.3
54-55.....	0.007261	89,949	653	89,623	2,382,247	26.5
55-56.....	0.007874	89,296	703	88,945	2,292,624	25.7
56-57.....	0.008491	88,593	752	88,217	2,203,680	24.9
57-58.....	0.009120	87,841	801	87,440	2,115,463	24.1
58-59.....	0.009778	87,040	851	86,614	2,028,022	23.3
59-60.....	0.010483	86,189	904	85,737	1,941,408	22.5
60-61.....	0.011252	85,285	960	84,805	1,855,671	21.8

See footnotes at end of table.

Table 14. Life table for non-Hispanic white males: United States, 2016—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/68_04/Table14.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.....	0.012078	84,326	1,019	83,816	1,770,866	21.0
62–63.....	0.012940	83,307	1,078	82,768	1,687,049	20.3
63–64.....	0.013804	82,229	1,135	81,661	1,604,281	19.5
64–65.....	0.014667	81,094	1,189	80,499	1,522,620	18.8
65–66.....	0.015546	79,905	1,242	79,283	1,442,121	18.0
66–67.....	0.016519	78,662	1,299	78,013	1,362,837	17.3
67–68.....	0.017631	77,363	1,364	76,681	1,284,825	16.6
68–69.....	0.018943	75,999	1,440	75,279	1,208,144	15.9
69–70.....	0.020510	74,559	1,529	73,795	1,132,864	15.2
70–71.....	0.022420	73,030	1,637	72,211	1,059,070	14.5
71–72.....	0.024684	71,393	1,762	70,512	986,858	13.8
72–73.....	0.027114	69,631	1,888	68,687	916,347	13.2
73–74.....	0.029554	67,743	2,002	66,742	847,660	12.5
74–75.....	0.032244	65,741	2,120	64,681	780,918	11.9
75–76.....	0.035294	63,621	2,245	62,498	716,238	11.3
76–77.....	0.038741	61,375	2,378	60,187	653,740	10.7
77–78.....	0.042456	58,998	2,505	57,745	593,553	10.1
78–79.....	0.046519	56,493	2,628	55,179	535,808	9.5
79–80.....	0.051503	53,865	2,774	52,478	480,629	8.9
80–81.....	0.056961	51,091	2,910	49,636	428,151	8.4
81–82.....	0.062674	48,181	3,020	46,671	378,516	7.9
82–83.....	0.069406	45,161	3,134	43,594	331,845	7.3
83–84.....	0.077429	42,026	3,254	40,399	288,251	6.9
84–85.....	0.085909	38,772	3,331	37,107	247,852	6.4
85–86.....	0.095548	35,441	3,386	33,748	210,745	5.9
86–87.....	0.106989	32,055	3,430	30,340	176,997	5.5
87–88.....	0.119512	28,626	3,421	26,915	146,656	5.1
88–89.....	0.133152	25,204	3,356	23,526	119,741	4.8
89–90.....	0.147929	21,848	3,232	20,232	96,215	4.4
90–91.....	0.163842	18,616	3,050	17,091	75,983	4.1
91–92.....	0.180869	15,566	2,815	14,159	58,891	3.8
92–93.....	0.198966	12,751	2,537	11,482	44,733	3.5
93–94.....	0.218061	10,214	2,227	9,100	33,250	3.3
94–95.....	0.238056	7,987	1,901	7,036	24,150	3.0
95–96.....	0.258826	6,085	1,575	5,298	17,114	2.8
96–97.....	0.280224	4,510	1,264	3,878	11,816	2.6
97–98.....	0.302080	3,246	981	2,756	7,938	2.4
98–99.....	0.324211	2,266	735	1,898	5,182	2.3
99–100.....	0.346423	1,531	530	1,266	3,284	2.1
100 and over.....	1.000000	1,001	1,001	2,018	2,018	2.0

NOTES: This life table is based on death rates that have been adjusted for race and ethnicity misclassification on death certificates. Updated classification ratios were applied; see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 15. Life table for non-Hispanic white females: United States, 2016Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/68_04/Table15.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.....	0.004399	100,000	440	99,613	8,104,131	81.0
1-2.....	0.000291	99,560	29	99,546	8,004,518	80.4
2-3.....	0.000202	99,531	20	99,521	7,904,972	79.4
3-4.....	0.000131	99,511	13	99,504	7,805,451	78.4
4-5.....	0.000126	99,498	13	99,492	7,705,946	77.4
5-6.....	0.000106	99,485	11	99,480	7,606,455	76.5
6-7.....	0.000094	99,475	9	99,470	7,506,975	75.5
7-8.....	0.000084	99,465	8	99,461	7,407,505	74.5
8-9.....	0.000076	99,457	8	99,453	7,308,043	73.5
9-10.....	0.000070	99,450	7	99,446	7,208,590	72.5
10-11.....	0.000068	99,443	7	99,439	7,109,144	71.5
11-12.....	0.000074	99,436	7	99,432	7,009,705	70.5
12-13.....	0.000091	99,428	9	99,424	6,910,273	69.5
13-14.....	0.000122	99,419	12	99,413	6,810,849	68.5
14-15.....	0.000164	99,407	16	99,399	6,711,436	67.5
15-16.....	0.000211	99,391	21	99,380	6,612,037	66.5
16-17.....	0.000258	99,370	26	99,357	6,512,656	65.5
17-18.....	0.000304	99,344	30	99,329	6,413,299	64.6
18-19.....	0.000345	99,314	34	99,297	6,313,970	63.6
19-20.....	0.000384	99,280	38	99,261	6,214,673	62.6
20-21.....	0.000423	99,242	42	99,221	6,115,412	61.6
21-22.....	0.000465	99,200	46	99,177	6,016,192	60.6
22-23.....	0.000507	99,154	50	99,128	5,917,015	59.7
23-24.....	0.000551	99,103	55	99,076	5,817,887	58.7
24-25.....	0.000595	99,049	59	99,019	5,718,811	57.7
25-26.....	0.000639	98,990	63	98,958	5,619,791	56.8
26-27.....	0.000684	98,926	68	98,893	5,520,833	55.8
27-28.....	0.000730	98,859	72	98,823	5,421,941	54.8
28-29.....	0.000779	98,787	77	98,748	5,323,118	53.9
29-30.....	0.000831	98,710	82	98,669	5,224,370	52.9
30-31.....	0.000888	98,628	88	98,584	5,125,701	52.0
31-32.....	0.000946	98,540	93	98,493	5,027,118	51.0
32-33.....	0.001003	98,447	99	98,397	4,928,624	50.1
33-34.....	0.001056	98,348	104	98,296	4,830,227	49.1
34-35.....	0.001107	98,244	109	98,190	4,731,931	48.2
35-36.....	0.001166	98,135	114	98,078	4,633,741	47.2
36-37.....	0.001232	98,021	121	97,961	4,535,663	46.3
37-38.....	0.001298	97,900	127	97,837	4,437,702	45.3
38-39.....	0.001363	97,773	133	97,706	4,339,865	44.4
39-40.....	0.001432	97,640	140	97,570	4,242,159	43.4
40-41.....	0.001517	97,500	148	97,426	4,144,589	42.5
41-42.....	0.001621	97,352	158	97,273	4,047,163	41.6
42-43.....	0.001740	97,194	169	97,110	3,949,890	40.6
43-44.....	0.001869	97,025	181	96,934	3,852,780	39.7
44-45.....	0.002006	96,844	194	96,747	3,755,846	38.8
45-46.....	0.002147	96,650	208	96,546	3,659,099	37.9
46-47.....	0.002306	96,442	222	96,331	3,562,553	36.9
47-48.....	0.002497	96,220	240	96,100	3,466,222	36.0
48-49.....	0.002730	95,979	262	95,848	3,370,123	35.1
49-50.....	0.002998	95,717	287	95,574	3,274,274	34.2
50-51.....	0.003276	95,430	313	95,274	3,178,701	33.3
51-52.....	0.003560	95,118	339	94,948	3,083,427	32.4
52-53.....	0.003867	94,779	366	94,596	2,988,478	31.5
53-54.....	0.004197	94,413	396	94,215	2,893,882	30.7
54-55.....	0.004542	94,016	427	93,803	2,799,668	29.8
55-56.....	0.004904	93,589	459	93,360	2,705,865	28.9
56-57.....	0.005270	93,130	491	92,885	2,612,505	28.1
57-58.....	0.005629	92,640	522	92,379	2,519,620	27.2
58-59.....	0.005986	92,118	551	91,842	2,427,241	26.3
59-60.....	0.006360	91,567	582	91,276	2,335,399	25.5
60-61.....	0.006765	90,984	616	90,677	2,244,123	24.7

See footnotes at end of table.

Table 15. Life table for non-Hispanic white females: United States, 2016—Con.Spreadsheet version available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/68_04/Table15.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.	0.007224	90,369	653	90,042	2,153,447	23.8
62–63.	0.007753	89,716	696	89,368	2,063,404	23.0
63–64.	0.008353	89,020	744	88,649	1,974,036	22.2
64–65.	0.009012	88,277	796	87,879	1,885,387	21.4
65–66.	0.009708	87,481	849	87,057	1,797,508	20.5
66–67.	0.010456	86,632	906	86,179	1,710,452	19.7
67–68.	0.011326	85,726	971	85,241	1,624,273	18.9
68–69.	0.012366	84,755	1,048	84,231	1,539,032	18.2
69–70.	0.013604	83,707	1,139	83,138	1,454,801	17.4
70–71.	0.015133	82,568	1,250	81,944	1,371,663	16.6
71–72.	0.016901	81,319	1,374	80,632	1,289,719	15.9
72–73.	0.018799	79,945	1,503	79,193	1,209,088	15.1
73–74.	0.020692	78,442	1,623	77,630	1,129,895	14.4
74–75.	0.022644	76,818	1,740	75,949	1,052,265	13.7
75–76.	0.024810	75,079	1,863	74,148	976,316	13.0
76–77.	0.027349	73,216	2,002	72,215	902,168	12.3
77–78.	0.030301	71,214	2,158	70,135	829,953	11.7
78–79.	0.033560	69,056	2,318	67,897	759,818	11.0
79–80.	0.037453	66,738	2,500	65,489	691,921	10.4
80–81.	0.041849	64,239	2,688	62,895	626,432	9.8
81–82.	0.046573	61,551	2,867	60,117	563,537	9.2
82–83.	0.052165	58,684	3,061	57,153	503,420	8.6
83–84.	0.058559	55,623	3,257	53,994	446,267	8.0
84–85.	0.065687	52,366	3,440	50,646	392,273	7.5
85–86.	0.073772	48,926	3,609	47,121	341,627	7.0
86–87.	0.082149	45,316	3,723	43,455	294,506	6.5
87–88.	0.092463	41,594	3,846	39,671	251,051	6.0
88–89.	0.103842	37,748	3,920	35,788	211,380	5.6
89–90.	0.116338	33,828	3,935	31,860	175,592	5.2
90–91.	0.129990	29,893	3,886	27,950	143,732	4.8
91–92.	0.144822	26,007	3,766	24,124	115,782	4.5
92–93.	0.160839	22,240	3,577	20,452	91,658	4.1
93–94.	0.178024	18,663	3,323	17,002	71,206	3.8
94–95.	0.196332	15,341	3,012	13,835	54,204	3.5
95–96.	0.215692	12,329	2,659	10,999	40,370	3.3
96–97.	0.236002	9,670	2,282	8,529	29,370	3.0
97–98.	0.257135	7,388	1,900	6,438	20,842	2.8
98–99.	0.278935	5,488	1,531	4,723	14,404	2.6
99–100.	0.301223	3,957	1,192	3,361	9,681	2.4
100 and over	1.000000	2,765	2,765	6,320	6,320	2.3

NOTES: This life table is based on death rates that have been adjusted for race and ethnicity misclassification on death certificates. Updated classification ratios were applied; see Technical Notes.

SOURCE: NCHS, National Vital Statistics System, Mortality.