

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics: United States Life Tables, 2015. NVSR Volume 67, Number 7. 64pp. (PHS) 2019-1120; downloaded from: [www.cdc.gov](http://www.cdc.gov) (19.12.2018).

**Table 5. Life table for white males: United States, 2015**Spreadsheet version available from: [https://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/67\\_07/Table05.xlsx](https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/67_07/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	0.005334	100,000	533	99,531	7,657,279	76.6
1-2	0.000391	99,467	39	99,447	7,557,749	76.0
2-3	0.000243	99,428	24	99,416	7,458,302	75.0
3-4	0.000209	99,403	21	99,393	7,358,886	74.0
4-5	0.000151	99,383	15	99,375	7,259,493	73.0
5-6	0.000150	99,368	15	99,360	7,160,118	72.1
6-7	0.000135	99,353	13	99,346	7,060,757	71.1
7-8	0.000121	99,339	12	99,333	6,961,411	70.1
8-9	0.000108	99,327	11	99,322	6,862,078	69.1
9-10	0.000095	99,317	9	99,312	6,762,756	68.1
10-11	0.000090	99,307	9	99,303	6,663,444	67.1
11-12	0.000099	99,298	10	99,293	6,564,141	66.1
12-13	0.000133	99,289	13	99,282	6,464,847	65.1
13-14	0.000196	99,275	19	99,266	6,365,565	64.1
14-15	0.000283	99,256	28	99,242	6,266,300	63.1
15-16	0.000375	99,228	37	99,209	6,167,058	62.2
16-17	0.000472	99,191	47	99,167	6,067,849	61.2
17-18	0.000587	99,144	58	99,115	5,968,681	60.2
18-19	0.000722	99,086	72	99,050	5,869,567	59.2
19-20	0.000865	99,014	86	98,971	5,770,517	58.3
20-21	0.001013	98,928	100	98,878	5,671,546	57.3
21-22	0.001148	98,828	113	98,771	5,572,667	56.4
22-23	0.001252	98,715	124	98,653	5,473,896	55.5
23-24	0.001318	98,591	130	98,526	5,375,243	54.5
24-25	0.001356	98,461	133	98,394	5,276,717	53.6
25-26	0.001384	98,328	136	98,260	5,178,322	52.7
26-27	0.001417	98,192	139	98,122	5,080,063	51.7
27-28	0.001453	98,053	142	97,981	4,981,941	50.8
28-29	0.001496	97,910	146	97,837	4,883,959	49.9
29-30	0.001545	97,764	151	97,688	4,786,123	49.0
30-31	0.001596	97,612	156	97,535	4,688,435	48.0
31-32	0.001645	97,457	160	97,377	4,590,900	47.1
32-33	0.001689	97,296	164	97,214	4,493,523	46.2
33-34	0.001726	97,132	168	97,048	4,396,309	45.3
34-35	0.001761	96,964	171	96,879	4,299,261	44.3
35-36	0.001804	96,794	175	96,706	4,202,382	43.4
36-37	0.001860	96,619	180	96,529	4,105,675	42.5
37-38	0.001924	96,439	186	96,347	4,009,146	41.6
38-39	0.001997	96,254	192	96,158	3,912,800	40.7
39-40	0.002082	96,062	200	95,962	3,816,642	39.7
40-41	0.002190	95,862	210	95,757	3,720,680	38.8
41-42	0.002323	95,652	222	95,541	3,624,924	37.9
42-43	0.002472	95,429	236	95,312	3,529,383	37.0
43-44	0.002637	95,194	251	95,068	3,434,072	36.1
44-45	0.002825	94,943	268	94,808	3,339,004	35.2
45-46	0.003027	94,674	287	94,531	3,244,195	34.3
46-47	0.003268	94,388	308	94,233	3,149,664	33.4
47-48	0.003585	94,079	337	93,911	3,055,431	32.5
48-49	0.003990	93,742	374	93,555	2,961,520	31.6
49-50	0.004456	93,368	416	93,160	2,867,965	30.7
50-51	0.004938	92,952	459	92,722	2,774,805	29.9
51-52	0.005420	92,493	501	92,242	2,682,083	29.0
52-53	0.005924	91,992	545	91,719	2,589,840	28.2
53-54	0.006458	91,447	591	91,151	2,498,121	27.3
54-55	0.007023	90,856	638	90,537	2,406,970	26.5
55-56	0.007618	90,218	687	89,874	2,316,432	25.7
56-57	0.008233	89,531	737	89,162	2,226,558	24.9
57-58	0.008871	88,794	788	88,400	2,137,396	24.1
58-59	0.009538	88,006	839	87,586	2,048,996	23.3
59-60	0.010246	87,167	893	86,720	1,961,409	22.5
60-61	0.011016	86,274	950	85,798	1,874,689	21.7

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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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
61–62	0.011847	85,323	1,011	84,818	1,788,891	21.0
62–63	0.012712	84,312	1,072	83,776	1,704,073	20.2
63–64	0.013583	83,241	1,131	82,675	1,620,297	19.5
64–65	0.014465	82,110	1,188	81,516	1,537,621	18.7
65–66	0.015374	80,922	1,244	80,300	1,456,105	18.0
66–67	0.016390	79,678	1,306	79,025	1,375,805	17.3
67–68	0.017538	78,372	1,375	77,685	1,296,780	16.5
68–69	0.018881	76,998	1,454	76,271	1,219,095	15.8
69–70	0.020503	75,544	1,549	74,769	1,142,825	15.1
70–71	0.022495	73,995	1,665	73,163	1,068,055	14.4
71–72	0.024724	72,330	1,788	71,436	994,892	13.8
72–73	0.027057	70,542	1,909	69,588	923,456	13.1
73–74	0.029522	68,633	2,026	67,620	853,869	12.4
74–75	0.032194	66,607	2,144	65,535	786,248	11.8
75–76	0.035141	64,463	2,265	63,330	720,713	11.2
76–77	0.038613	62,198	2,402	60,997	657,383	10.6
77–78	0.042416	59,796	2,536	58,528	596,386	10.0
78–79	0.046818	57,260	2,681	55,919	537,858	9.4
79–80	0.051959	54,579	2,836	53,161	481,939	8.8
80–81	0.057717	51,743	2,986	50,250	428,778	8.3
81–82	0.064257	48,757	3,133	47,190	378,528	7.8
82–83	0.071268	45,624	3,252	43,998	331,338	7.3
83–84	0.078839	42,372	3,341	40,702	287,340	6.8
84–85	0.087715	39,032	3,424	37,320	246,638	6.3
85–86	0.096118	35,608	3,423	33,897	209,318	5.9
86–87	0.107931	32,185	3,474	30,448	175,422	5.5
87–88	0.120888	28,712	3,471	26,976	144,973	5.0
88–89	0.135026	25,241	3,408	23,537	117,997	4.7
89–90	0.150360	21,833	3,283	20,191	94,461	4.3
90–91	0.166890	18,550	3,096	17,002	74,270	4.0
91–92	0.184587	15,454	2,853	14,028	57,268	3.7
92–93	0.203397	12,601	2,563	11,320	43,240	3.4
93–94	0.223237	10,038	2,241	8,918	31,920	3.2
94–95	0.243992	7,797	1,902	6,846	23,002	3.0
95–96	0.265522	5,895	1,565	5,112	16,156	2.7
96–97	0.287658	4,330	1,245	3,707	11,044	2.6
97–98	0.310213	3,084	957	2,606	7,337	2.4
98–99	0.332982	2,127	708	1,773	4,731	2.2
99–100	0.355755	1,419	505	1,167	2,958	2.1
100 and over	1.000000	914	914	1,791	1,791	2.0

SOURCE: NCHS, National Vital Statistics System, Mortality.

**Table 6. Life table for white females: United States, 2015**Spreadsheet version available from: [https://ftp.cdc.gov/pub/Health\\_Statistics/NCHS/Publications/NVSR/67\\_07/Table06.xlsx](https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/67_07/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	0.004490	100,000	449	99,603	8,125,924	81.3
1-2	0.000322	99,551	32	99,535	8,026,321	80.6
2-3	0.000204	99,519	20	99,509	7,926,786	79.7
3-4	0.000144	99,499	14	99,491	7,827,277	78.7
4-5	0.000115	99,484	11	99,479	7,727,786	77.7
5-6	0.000110	99,473	11	99,467	7,628,308	76.7
6-7	0.000099	99,462	10	99,457	7,528,840	75.7
7-8	0.000091	99,452	9	99,447	7,429,383	74.7
8-9	0.000086	99,443	9	99,439	7,329,936	73.7
9-10	0.000083	99,434	8	99,430	7,230,497	72.7
10-11	0.000084	99,426	8	99,422	7,131,067	71.7
11-12	0.000091	99,418	9	99,413	7,031,645	70.7
12-13	0.000108	99,409	11	99,403	6,932,232	69.7
13-14	0.000136	99,398	14	99,391	6,832,829	68.7
14-15	0.000173	99,384	17	99,376	6,733,438	67.8
15-16	0.000214	99,367	21	99,357	6,634,062	66.8
16-17	0.000255	99,346	25	99,333	6,534,705	65.8
17-18	0.000295	99,321	29	99,306	6,435,372	64.8
18-19	0.000331	99,291	33	99,275	6,336,066	63.8
19-20	0.000363	99,258	36	99,240	6,236,791	62.8
20-21	0.000396	99,222	39	99,203	6,137,551	61.9
21-22	0.000429	99,183	43	99,162	6,038,348	60.9
22-23	0.000460	99,141	46	99,118	5,939,186	59.9
23-24	0.000489	99,095	48	99,071	5,840,068	58.9
24-25	0.000516	99,047	51	99,021	5,740,997	58.0
25-26	0.000543	98,995	54	98,969	5,641,976	57.0
26-27	0.000573	98,942	57	98,913	5,543,008	56.0
27-28	0.000607	98,885	60	98,855	5,444,094	55.1
28-29	0.000646	98,825	64	98,793	5,345,239	54.1
29-30	0.000691	98,761	68	98,727	5,246,446	53.1
30-31	0.000740	98,693	73	98,656	5,147,719	52.2
31-32	0.000790	98,620	78	98,581	5,049,063	51.2
32-33	0.000836	98,542	82	98,501	4,950,482	50.2
33-34	0.000875	98,460	86	98,417	4,851,981	49.3
34-35	0.000913	98,374	90	98,329	4,753,564	48.3
35-36	0.000957	98,284	94	98,237	4,655,236	47.4
36-37	0.001011	98,190	99	98,140	4,556,999	46.4
37-38	0.001072	98,090	105	98,038	4,458,859	45.5
38-39	0.001143	97,985	112	97,929	4,360,821	44.5
39-40	0.001223	97,873	120	97,813	4,262,892	43.6
40-41	0.001317	97,754	129	97,689	4,165,078	42.6
41-42	0.001424	97,625	139	97,555	4,067,389	41.7
42-43	0.001540	97,486	150	97,411	3,969,834	40.7
43-44	0.001664	97,336	162	97,255	3,872,423	39.8
44-45	0.001800	97,174	175	97,086	3,775,169	38.8
45-46	0.001944	96,999	189	96,904	3,678,082	37.9
46-47	0.002108	96,810	204	96,708	3,581,178	37.0
47-48	0.002312	96,606	223	96,494	3,484,470	36.1
48-49	0.002558	96,383	247	96,260	3,387,975	35.2
49-50	0.002832	96,136	272	96,000	3,291,716	34.2
50-51	0.003110	95,864	298	95,715	3,195,716	33.3
51-52	0.003387	95,566	324	95,404	3,100,001	32.4
52-53	0.003675	95,242	350	95,067	3,004,596	31.5
53-54	0.003978	94,892	377	94,704	2,909,529	30.7
54-55	0.004298	94,515	406	94,312	2,814,826	29.8
55-56	0.004645	94,109	437	93,890	2,720,514	28.9
56-57	0.005005	93,671	469	93,437	2,626,624	28.0
57-58	0.005364	93,203	500	92,953	2,533,187	27.2
58-59	0.005719	92,703	530	92,438	2,440,234	26.3
59-60	0.006086	92,173	561	91,892	2,347,797	25.5
60-61	0.006481	91,612	594	91,315	2,255,905	24.6

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
61–62	0.006932	91,018	631	90,702	2,164,590	23.8
62–63	0.007463	90,387	675	90,050	2,073,888	22.9
63–64	0.008087	89,712	726	89,350	1,983,838	22.1
64–65	0.008793	88,987	782	88,596	1,894,489	21.3
65–66	0.009559	88,204	843	87,783	1,805,893	20.5
66–67	0.010392	87,361	908	86,907	1,718,110	19.7
67–68	0.011324	86,453	979	85,964	1,631,203	18.9
68–69	0.012375	85,474	1,058	84,945	1,545,239	18.1
69–70	0.013609	84,417	1,149	83,842	1,460,294	17.3
70–71	0.015109	83,268	1,258	82,639	1,376,452	16.5
71–72	0.016826	82,010	1,380	81,320	1,293,813	15.8
72–73	0.018640	80,630	1,503	79,878	1,212,493	15.0
73–74	0.020462	79,127	1,619	78,317	1,132,615	14.3
74–75	0.022488	77,508	1,743	76,636	1,054,298	13.6
75–76	0.024788	75,765	1,878	74,826	977,661	12.9
76–77	0.027349	73,887	2,021	72,876	902,836	12.2
77–78	0.030387	71,866	2,184	70,774	829,959	11.5
78–79	0.033989	69,682	2,368	68,498	759,185	10.9
79–80	0.038056	67,314	2,562	66,033	690,687	10.3
80–81	0.042516	64,752	2,753	63,376	624,655	9.6
81–82	0.047296	61,999	2,932	60,533	561,279	9.1
82–83	0.053060	59,067	3,134	57,500	500,746	8.5
83–84	0.059473	55,933	3,327	54,269	443,246	7.9
84–85	0.066710	52,606	3,509	50,852	388,977	7.4
85–86	0.074079	49,097	3,637	47,278	338,125	6.9
86–87	0.083663	45,460	3,803	43,558	290,847	6.4
87–88	0.094291	41,656	3,928	39,693	247,289	5.9
88–89	0.106022	37,729	4,000	35,729	207,596	5.5
89–90	0.118910	33,729	4,011	31,723	171,868	5.1
90–91	0.132993	29,718	3,952	27,742	140,145	4.7
91–92	0.148293	25,766	3,821	23,855	112,403	4.4
92–93	0.164809	21,945	3,617	20,136	88,548	4.0
93–94	0.182516	18,328	3,345	16,655	68,411	3.7
94–95	0.201363	14,983	3,017	13,474	51,756	3.5
95–96	0.221267	11,966	2,648	10,642	38,281	3.2
96–97	0.242114	9,318	2,256	8,190	27,639	3.0
97–98	0.263762	7,062	1,863	6,131	19,449	2.8
98–99	0.286042	5,199	1,487	4,456	13,318	2.6
99–100	0.308762	3,712	1,146	3,139	8,862	2.4
100 and over	1.000000	2,566	2,566	5,723	5,723	2.2

SOURCE: NCHS, National Vital Statistics System, Mortality.