

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2020): **United States Life Tables, 2018**. National Vital Statistics Report Volume 69, Number 12. 45pp. Downloaded from: [www.cdc.gov](http://www.cdc.gov) (15.02.2021).

Table 8. Life table for non-Hispanic white males: United States, 2018

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	0.005076	100,000	508	99,558	7,619,829	76.2
1-2	0.000407	99,492	40	99,472	7,520,271	75.6
2-3	0.000301	99,452	30	99,437	7,420,799	74.6
3-4	0.000221	99,422	22	99,411	7,321,362	73.6
4-5	0.000180	99,400	18	99,391	7,221,951	72.7
5-6	0.000157	99,382	16	99,374	7,122,560	71.7
6-7	0.000135	99,367	13	99,360	7,023,185	70.7
7-8	0.000119	99,353	12	99,347	6,923,825	69.7
8-9	0.000106	99,341	11	99,336	6,824,478	68.7
9-10	0.000098	99,331	10	99,326	6,725,142	67.7
10-11	0.000098	99,321	10	99,316	6,625,816	66.7
11-12	0.000114	99,311	11	99,306	6,526,500	65.7
12-13	0.000153	99,300	15	99,292	6,427,195	64.7
13-14	0.000221	99,285	22	99,274	6,327,902	63.7
14-15	0.000311	99,263	31	99,247	6,228,628	62.7
15-16	0.000411	99,232	41	99,212	6,129,381	61.8
16-17	0.000514	99,191	51	99,166	6,030,169	60.8
17-18	0.000627	99,140	62	99,109	5,931,004	59.8
18-19	0.000747	99,078	74	99,041	5,831,894	58.9
19-20	0.000873	99,004	86	98,961	5,732,853	57.9
20-21	0.001002	98,918	99	98,868	5,633,893	57.0
21-22	0.001130	98,819	112	98,763	5,535,024	56.0
22-23	0.001248	98,707	123	98,645	5,436,262	55.1
23-24	0.001352	98,584	133	98,517	5,337,616	54.1
24-25	0.001441	98,450	142	98,379	5,239,099	53.2
25-26	0.001525	98,309	150	98,234	5,140,720	52.3
26-27	0.001605	98,159	158	98,080	5,042,486	51.4
27-28	0.001680	98,001	165	97,919	4,944,406	50.5
28-29	0.001753	97,836	172	97,751	4,846,488	49.5
29-30	0.001827	97,665	178	97,576	4,748,737	48.6
30-31	0.001901	97,486	185	97,394	4,651,162	47.7
31-32	0.001975	97,301	192	97,205	4,553,768	46.8
32-33	0.002051	97,109	199	97,009	4,456,563	45.9
33-34	0.002127	96,910	206	96,807	4,359,553	45.0
34-35	0.002201	96,704	213	96,597	4,262,747	44.1
35-36	0.002286	96,491	221	96,381	4,166,149	43.2
36-37	0.002373	96,270	228	96,156	4,069,769	42.3
37-38	0.002444	96,042	235	95,924	3,973,613	41.4
38-39	0.002496	95,807	239	95,688	3,877,688	40.5
39-40	0.002541	95,568	243	95,447	3,782,001	39.6
40-41	0.002598	95,325	248	95,201	3,686,554	38.7
41-42	0.002689	95,077	256	94,950	3,591,353	37.8
42-43	0.002820	94,822	267	94,688	3,496,403	36.9
43-44	0.002995	94,554	283	94,413	3,401,715	36.0
44-45	0.003201	94,271	302	94,120	3,307,302	35.1
45-46	0.003433	93,969	323	93,808	3,213,182	34.2
46-47	0.003686	93,647	345	93,474	3,119,374	33.3

Table 8. Life table for non-Hispanic white males: United States, 2018

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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
47-48	0.003959	93,302	369	93,117	3,025,900	32.4
48-49	0.004259	92,932	396	92,734	2,932,783	31.6
49-50	0.004602	92,536	426	92,324	2,840,049	30.7
50-51	0.004967	92,111	458	91,882	2,747,725	29.8
51-52	0.005381	91,653	493	91,406	2,655,843	29.0
52-53	0.005893	91,160	537	90,891	2,564,437	28.1
53-54	0.006504	90,623	589	90,328	2,473,545	27.3
54-55	0.007169	90,033	645	89,711	2,383,218	26.5
55-56	0.007832	89,388	700	89,038	2,293,507	25.7
56-57	0.008482	88,688	752	88,312	2,204,469	24.9
57-58	0.009151	87,936	805	87,533	2,116,158	24.1
58-59	0.009863	87,131	859	86,701	2,028,624	23.3
59-60	0.010626	86,271	917	85,813	1,941,923	22.5
60-61	0.011452	85,355	977	84,866	1,856,110	21.7
61-62	0.012308	84,377	1,039	83,858	1,771,244	21.0
62-63	0.013163	83,339	1,097	82,790	1,687,386	20.2
63-64	0.013999	82,242	1,151	81,666	1,604,596	19.5
64-65	0.014846	81,091	1,204	80,489	1,522,930	18.8
65-66	0.015747	79,887	1,258	79,258	1,442,441	18.1
66-67	0.016844	78,629	1,324	77,967	1,363,183	17.3
67-68	0.018017	77,304	1,393	76,608	1,285,217	16.6
68-69	0.019337	75,911	1,468	75,178	1,208,609	15.9
69-70	0.020871	74,444	1,554	73,667	1,133,431	15.2
70-71	0.022427	72,890	1,635	72,072	1,059,765	14.5
71-72	0.024018	71,255	1,711	70,399	987,692	13.9
72-73	0.026452	69,544	1,840	68,624	917,293	13.2
73-74	0.028594	67,704	1,936	66,736	848,669	12.5
74-75	0.031490	65,768	2,071	64,733	781,933	11.9
75-76	0.034416	63,697	2,192	62,601	717,200	11.3
76-77	0.038177	61,505	2,348	60,331	654,599	10.6
77-78	0.042325	59,157	2,504	57,905	594,268	10.0
78-79	0.046248	56,653	2,620	55,343	536,363	9.5
79-80	0.051102	54,033	2,761	52,652	481,020	8.9
80-81	0.056288	51,272	2,886	49,829	428,367	8.4
81-82	0.062478	48,386	3,023	46,874	378,538	7.8
82-83	0.069313	45,363	3,144	43,791	331,664	7.3
83-84	0.076720	42,219	3,239	40,599	287,873	6.8
84-85	0.086706	38,980	3,380	37,290	247,274	6.3
85-86	0.096170	35,600	3,424	33,888	209,985	5.9
86-87	0.105892	32,176	3,407	30,473	176,097	5.5
87-88	0.119068	28,769	3,425	27,056	145,624	5.1
88-89	0.133492	25,344	3,383	23,652	118,568	4.7
89-90	0.149188	21,960	3,276	20,322	94,916	4.3
90-91	0.166155	18,684	3,104	17,132	74,594	4.0
91-92	0.184363	15,580	2,872	14,144	57,462	3.7
92-93	0.203755	12,707	2,589	11,413	43,318	3.4
93-94	0.224238	10,118	2,269	8,984	31,906	3.2

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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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
94–95	0.245687	7,849	1,928	6,885	22,922	2.9
95–96	0.267946	5,921	1,586	5,128	16,037	2.7
96–97	0.290828	4,334	1,261	3,704	10,909	2.5
97–98	0.314124	3,074	966	2,591	7,205	2.3
98–99	0.337610	2,108	712	1,752	4,614	2.2
99–100	0.361054	1,396	504	1,144	2,862	2.0
100 and over	1.000000	892	892	1,717	1,717	1.9

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 9. Life table for non-Hispanic white females: United States, 2018

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	0.004140	100,000	414	99,637	8,109,660	81.1
1-2	0.000252	99,586	25	99,574	8,010,023	80.4
2-3	0.000195	99,561	19	99,551	7,910,449	79.5
3-4	0.000126	99,542	13	99,535	7,810,898	78.5
4-5	0.000104	99,529	10	99,524	7,711,363	77.5
5-6	0.000100	99,519	10	99,514	7,611,839	76.5
6-7	0.000089	99,509	9	99,504	7,512,325	75.5
7-8	0.000081	99,500	8	99,496	7,412,821	74.5
8-9	0.000074	99,492	7	99,488	7,313,325	73.5
9-10	0.000069	99,484	7	99,481	7,213,837	72.5
10-11	0.000068	99,478	7	99,474	7,114,356	71.5
11-12	0.000074	99,471	7	99,467	7,014,882	70.5
12-13	0.000091	99,464	9	99,459	6,915,414	69.5
13-14	0.000122	99,454	12	99,448	6,815,955	68.5
14-15	0.000163	99,442	16	99,434	6,716,507	67.5
15-16	0.000210	99,426	21	99,416	6,617,073	66.6
16-17	0.000258	99,405	26	99,392	6,517,657	65.6
17-18	0.000303	99,380	30	99,364	6,418,265	64.6
18-19	0.000344	99,349	34	99,332	6,318,900	63.6
19-20	0.000382	99,315	38	99,296	6,219,568	62.6
20-21	0.000422	99,277	42	99,256	6,120,272	61.6
21-22	0.000465	99,235	46	99,212	6,021,016	60.7
22-23	0.000509	99,189	51	99,164	5,921,803	59.7
23-24	0.000555	99,139	55	99,111	5,822,639	58.7
24-25	0.000599	99,084	59	99,054	5,723,528	57.8
25-26	0.000643	99,024	64	98,993	5,624,474	56.8
26-27	0.000686	98,961	68	98,927	5,525,481	55.8
27-28	0.000733	98,893	72	98,857	5,426,555	54.9
28-29	0.000786	98,820	78	98,781	5,327,698	53.9
29-30	0.000846	98,743	84	98,701	5,228,917	53.0
30-31	0.000910	98,659	90	98,614	5,130,216	52.0
31-32	0.000975	98,569	96	98,521	5,031,602	51.0
32-33	0.001039	98,473	102	98,422	4,933,080	50.1
33-34	0.001097	98,371	108	98,317	4,834,658	49.1
34-35	0.001150	98,263	113	98,207	4,736,341	48.2
35-36	0.001210	98,150	119	98,091	4,638,135	47.3
36-37	0.001275	98,031	125	97,969	4,540,044	46.3
37-38	0.001334	97,906	131	97,841	4,442,076	45.4
38-39	0.001386	97,776	136	97,708	4,344,235	44.4
39-40	0.001439	97,640	141	97,570	4,246,527	43.5
40-41	0.001504	97,500	147	97,426	4,148,957	42.6
41-42	0.001590	97,353	155	97,276	4,051,531	41.6
42-43	0.001700	97,198	165	97,116	3,954,255	40.7
43-44	0.001833	97,033	178	96,944	3,857,140	39.8
44-45	0.001981	96,855	192	96,759	3,760,196	38.8
45-46	0.002142	96,663	207	96,560	3,663,437	37.9
46-47	0.002314	96,456	223	96,345	3,566,877	37.0
47-48	0.002497	96,233	240	96,113	3,470,533	36.1
48-49	0.002697	95,993	259	95,863	3,374,420	35.2

Table 9. Life table for non-Hispanic white females: United States, 2018

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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
49-50	0.002922	95,734	280	95,594	3,278,557	34.2
50-51	0.003159	95,454	302	95,303	3,182,963	33.3
51-52	0.003422	95,153	326	94,990	3,087,659	32.4
52-53	0.003734	94,827	354	94,650	2,992,670	31.6
53-54	0.004092	94,473	387	94,279	2,898,020	30.7
54-55	0.004473	94,086	421	93,876	2,803,740	29.8
55-56	0.004857	93,665	455	93,438	2,709,865	28.9
56-57	0.005234	93,210	488	92,966	2,616,427	28.1
57-58	0.005612	92,723	520	92,462	2,523,460	27.2
58-59	0.006002	92,202	553	91,925	2,430,998	26.4
59-60	0.006416	91,649	588	91,355	2,339,073	25.5
60-61	0.006871	91,061	626	90,748	2,247,718	24.7
61-62	0.007359	90,435	666	90,102	2,156,970	23.9
62-63	0.007867	89,769	706	89,416	2,066,868	23.0
63-64	0.008393	89,063	748	88,690	1,977,451	22.2
64-65	0.008958	88,316	791	87,920	1,888,762	21.4
65-66	0.009568	87,525	837	87,106	1,800,842	20.6
66-67	0.010302	86,687	893	86,241	1,713,736	19.8
67-68	0.011165	85,794	958	85,315	1,627,495	19.0
68-69	0.012216	84,836	1,036	84,318	1,542,180	18.2
69-70	0.013432	83,800	1,126	83,237	1,457,862	17.4
70-71	0.014833	82,674	1,226	82,061	1,374,625	16.6
71-72	0.016219	81,448	1,321	80,788	1,292,563	15.9
72-73	0.018152	80,127	1,454	79,400	1,211,776	15.1
73-74	0.019904	78,673	1,566	77,890	1,132,376	14.4
74-75	0.022051	77,107	1,700	76,257	1,054,486	13.7
75-76	0.024299	75,406	1,832	74,490	978,230	13.0
76-77	0.027123	73,574	1,996	72,576	903,739	12.3
77-78	0.030175	71,579	2,160	70,499	831,163	11.6
78-79	0.033527	69,419	2,327	68,255	760,664	11.0
79-80	0.037195	67,091	2,495	65,844	692,409	10.3
80-81	0.041367	64,596	2,672	63,260	626,566	9.7
81-82	0.046474	61,924	2,878	60,485	563,306	9.1
82-83	0.052049	59,046	3,073	57,509	502,821	8.5
83-84	0.058430	55,973	3,270	54,337	445,312	8.0
84-85	0.066267	52,702	3,492	50,956	390,975	7.4
85-86	0.074403	49,210	3,661	47,379	340,019	6.9
86-87	0.081415	45,548	3,708	43,694	292,640	6.4
87-88	0.092232	41,840	3,859	39,911	248,945	5.9
88-89	0.104231	37,981	3,959	36,002	209,035	5.5
89-90	0.117470	34,022	3,997	32,024	173,033	5.1
90-91	0.131997	30,026	3,963	28,044	141,009	4.7
91-92	0.147837	26,062	3,853	24,136	112,965	4.3
92-93	0.164991	22,209	3,664	20,377	88,830	4.0
93-94	0.183431	18,545	3,402	16,844	68,452	3.7
94-95	0.203099	15,143	3,076	13,605	51,608	3.4
95-96	0.223898	12,068	2,702	10,717	38,003	3.1
96-97	0.245698	9,366	2,301	8,215	27,286	2.9
97-98	0.268334	7,065	1,896	6,117	19,071	2.7

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
98–99	0.291611	5,169	1,507	4,415	12,954	2.5
99–100	0.315309	3,662	1,155	3,084	8,539	2.3
100 and over	1.000000	2,507	2,507	5,454	5,454	2.2

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.