

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 2. Life table for 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	0.006213	100,000	621	99,456	7,622,240	76.2
1-2	0.000411	99,379	41	99,358	7,522,784	75.7
2-3	0.000301	99,338	30	99,323	7,423,426	74.7
3-4	0.000223	99,308	22	99,297	7,324,103	73.8
4-5	0.000170	99,286	17	99,277	7,224,806	72.8
5-6	0.000160	99,269	16	99,261	7,125,529	71.8
6-7	0.000141	99,253	14	99,246	7,026,268	70.8
7-8	0.000124	99,239	12	99,233	6,927,022	69.8
8-9	0.000108	99,227	11	99,221	6,827,789	68.8
9-10	0.000092	99,216	9	99,211	6,728,568	67.8
10-11	0.000085	99,207	8	99,203	6,629,356	66.8
11-12	0.000095	99,199	9	99,194	6,530,154	65.8
12-13	0.000135	99,189	13	99,182	6,430,960	64.8
13-14	0.000210	99,176	21	99,165	6,331,777	63.8
14-15	0.000315	99,155	31	99,139	6,232,612	62.9
15-16	0.000432	99,124	43	99,102	6,133,473	61.9
16-17	0.000551	99,081	55	99,053	6,034,371	60.9
17-18	0.000679	99,026	67	98,993	5,935,317	59.9
18-19	0.000811	98,959	80	98,919	5,836,325	59.0
19-20	0.000945	98,879	93	98,832	5,737,406	58.0
20-21	0.001082	98,785	107	98,732	5,638,574	57.1
21-22	0.001214	98,678	120	98,618	5,539,842	56.1
22-23	0.001327	98,559	131	98,493	5,441,224	55.2
23-24	0.001413	98,428	139	98,358	5,342,730	54.3
24-25	0.001476	98,289	145	98,216	5,244,372	53.4
25-26	0.001531	98,144	150	98,068	5,146,156	52.4
26-27	0.001584	97,993	155	97,916	5,048,088	51.5
27-28	0.001633	97,838	160	97,758	4,950,172	50.6
28-29	0.001681	97,678	164	97,596	4,852,414	49.7
29-30	0.001730	97,514	169	97,430	4,754,818	48.8
30-31	0.001779	97,345	173	97,259	4,657,388	47.8
31-32	0.001829	97,172	178	97,083	4,560,129	46.9
32-33	0.001888	96,994	183	96,903	4,463,046	46.0
33-34	0.001957	96,811	189	96,717	4,366,143	45.1
34-35	0.002032	96,622	196	96,524	4,269,426	44.2
35-36	0.002119	96,425	204	96,323	4,172,903	43.3
36-37	0.002209	96,221	213	96,115	4,076,580	42.4
37-38	0.002286	96,009	219	95,899	3,980,465	41.5
38-39	0.002346	95,789	225	95,677	3,884,566	40.6
39-40	0.002401	95,564	229	95,450	3,788,889	39.6
40-41	0.002468	95,335	235	95,217	3,693,440	38.7
41-42	0.002565	95,100	244	94,978	3,598,223	37.8
42-43	0.002700	94,856	256	94,728	3,503,245	36.9
43-44	0.002876	94,600	272	94,464	3,408,517	36.0
44-45	0.003084	94,327	291	94,182	3,314,054	35.1
45-46	0.003318	94,037	312	93,881	3,219,872	34.2

Table 2. Life table for 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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
46-47	0.003572	93,725	335	93,557	3,125,991	33.4
47-48	0.003850	93,390	360	93,210	3,032,434	32.5
48-49	0.004161	93,030	387	92,837	2,939,224	31.6
49-50	0.004515	92,643	418	92,434	2,846,387	30.7
50-51	0.004895	92,225	451	91,999	2,753,953	29.9
51-52	0.005321	91,773	488	91,529	2,661,954	29.0
52-53	0.005835	91,285	533	91,019	2,570,425	28.2
53-54	0.006438	90,752	584	90,460	2,479,406	27.3
54-55	0.007098	90,168	640	89,848	2,388,946	26.5
55-56	0.007765	89,528	695	89,181	2,299,098	25.7
56-57	0.008432	88,833	749	88,458	2,209,917	24.9
57-58	0.009126	88,084	804	87,682	2,121,458	24.1
58-59	0.009870	87,280	861	86,849	2,033,776	23.3
59-60	0.010670	86,419	922	85,958	1,946,927	22.5
60-61	0.011534	85,497	986	85,004	1,860,969	21.8
61-62	0.012431	84,511	1,051	83,985	1,775,966	21.0
62-63	0.013332	83,460	1,113	82,904	1,691,981	20.3
63-64	0.014219	82,347	1,171	81,762	1,609,077	19.5
64-65	0.015117	81,176	1,227	80,563	1,527,315	18.8
65-66	0.016078	79,949	1,285	79,306	1,446,752	18.1
66-67	0.017216	78,664	1,354	77,987	1,367,446	17.4
67-68	0.018401	77,310	1,423	76,598	1,289,459	16.7
68-69	0.019666	75,887	1,492	75,141	1,212,861	16.0
69-70	0.021099	74,395	1,570	73,610	1,137,720	15.3
70-71	0.022544	72,825	1,642	72,004	1,064,111	14.6
71-72	0.024099	71,183	1,715	70,325	992,107	13.9
72-73	0.026447	69,468	1,837	68,549	921,781	13.3
73-74	0.028617	67,630	1,935	66,663	853,232	12.6
74-75	0.031390	65,695	2,062	64,664	786,569	12.0
75-76	0.034322	63,633	2,184	62,541	721,905	11.3
76-77	0.037970	61,449	2,333	60,282	659,364	10.7
77-78	0.041944	59,116	2,480	57,876	599,082	10.1
78-79	0.045881	56,636	2,599	55,337	541,206	9.6
79-80	0.050573	54,038	2,733	52,671	485,869	9.0
80-81	0.055675	51,305	2,856	49,877	433,198	8.4
81-82	0.061704	48,448	2,989	46,954	383,321	7.9
82-83	0.068389	45,459	3,109	43,905	336,368	7.4
83-84	0.075732	42,350	3,207	40,746	292,463	6.9
84-85	0.085241	39,143	3,337	37,475	251,717	6.4
85-86	0.094489	35,806	3,383	34,115	214,242	6.0
86-87	0.104787	32,423	3,397	30,724	180,128	5.6
87-88	0.117465	29,025	3,409	27,321	149,403	5.1
88-89	0.131319	25,616	3,364	23,934	122,083	4.8
89-90	0.146372	22,252	3,257	20,624	98,149	4.4
90-91	0.162625	18,995	3,089	17,451	77,525	4.1
91-92	0.180060	15,906	2,864	14,474	60,075	3.8

Table 2. Life table for 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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
92-93	0.198626	13,042	2,590	11,747	45,601	3.5
93-94	0.218248	10,451	2,281	9,311	33,854	3.2
94-95	0.238820	8,170	1,951	7,195	24,543	3.0
95-96	0.260206	6,219	1,618	5,410	17,348	2.8
96-97	0.282243	4,601	1,299	3,952	11,938	2.6
97-98	0.304747	3,302	1,006	2,799	7,986	2.4
98-99	0.327517	2,296	752	1,920	5,187	2.3
99-100	0.350342	1,544	541	1,274	3,267	2.1
100 and over	1.000000	1,003	1,003	1,994	1,994	2.0

SOURCE: NCHS, National Vital Statistics System, Mortality.

Table 3. Life table for 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	0.005061	100,000	506	99,557	8,124,665	81.2
1-2	0.000320	99,494	32	99,478	8,025,108	80.7
2-3	0.000224	99,462	22	99,451	7,925,630	79.7
3-4	0.000150	99,440	15	99,432	7,826,179	78.7
4-5	0.000125	99,425	12	99,419	7,726,747	77.7
5-6	0.000123	99,412	12	99,406	7,627,328	76.7
6-7	0.000111	99,400	11	99,395	7,527,922	75.7
7-8	0.000102	99,389	10	99,384	7,428,527	74.7
8-9	0.000097	99,379	10	99,374	7,329,143	73.7
9-10	0.000096	99,369	9	99,365	7,229,769	72.8
10-11	0.000098	99,360	10	99,355	7,130,404	71.8
11-12	0.000106	99,350	10	99,345	7,031,049	70.8
12-13	0.000121	99,340	12	99,334	6,931,704	69.8
13-14	0.000146	99,328	14	99,320	6,832,370	68.8
14-15	0.000177	99,313	18	99,304	6,733,050	67.8
15-16	0.000214	99,296	21	99,285	6,633,746	66.8
16-17	0.000253	99,274	25	99,262	6,534,461	65.8
17-18	0.000292	99,249	29	99,235	6,435,199	64.8
18-19	0.000329	99,220	33	99,204	6,335,964	63.9
19-20	0.000365	99,188	36	99,170	6,236,760	62.9
20-21	0.000402	99,151	40	99,132	6,137,591	61.9
21-22	0.000441	99,112	44	99,090	6,038,459	60.9
22-23	0.000481	99,068	48	99,044	5,939,369	60.0
23-24	0.000521	99,020	52	98,994	5,840,325	59.0
24-25	0.000560	98,969	55	98,941	5,741,331	58.0
25-26	0.000598	98,913	59	98,884	5,642,390	57.0
26-27	0.000635	98,854	63	98,823	5,543,506	56.1
27-28	0.000675	98,791	67	98,758	5,444,683	55.1
28-29	0.000718	98,725	71	98,689	5,345,925	54.1
29-30	0.000765	98,654	76	98,616	5,247,236	53.2
30-31	0.000818	98,578	81	98,538	5,148,620	52.2
31-32	0.000872	98,498	86	98,455	5,050,082	51.3
32-33	0.000928	98,412	91	98,366	4,951,627	50.3
33-34	0.000983	98,321	97	98,272	4,853,261	49.4
34-35	0.001037	98,224	102	98,173	4,754,988	48.4
35-36	0.001097	98,122	108	98,068	4,656,816	47.5
36-37	0.001160	98,014	114	97,957	4,558,747	46.5
37-38	0.001219	97,901	119	97,841	4,460,790	45.6
38-39	0.001274	97,781	125	97,719	4,362,949	44.6
39-40	0.001330	97,657	130	97,592	4,265,230	43.7
40-41	0.001396	97,527	136	97,459	4,167,638	42.7
41-42	0.001480	97,391	144	97,319	4,070,180	41.8
42-43	0.001584	97,247	154	97,170	3,972,861	40.9

Table 3. Life table for 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 $x$
	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
43-44	0.001709	97,093	166	97,010	3,875,691	39.9
44-45	0.001849	96,927	179	96,837	3,778,682	39.0
45-46	0.002002	96,747	194	96,650	3,681,845	38.1
46-47	0.002167	96,554	209	96,449	3,585,194	37.1
47-48	0.002348	96,344	226	96,231	3,488,745	36.2
48-49	0.002551	96,118	245	95,996	3,392,514	35.3
49-50	0.002781	95,873	267	95,740	3,296,519	34.4
50-51	0.003028	95,606	289	95,462	3,200,779	33.5
51-52	0.003299	95,317	314	95,160	3,105,317	32.6
52-53	0.003615	95,002	343	94,831	3,010,158	31.7
53-54	0.003974	94,659	376	94,471	2,915,327	30.8
54-55	0.004357	94,283	411	94,077	2,820,856	29.9
55-56	0.004746	93,872	446	93,649	2,726,779	29.0
56-57	0.005135	93,426	480	93,187	2,633,129	28.2
57-58	0.005530	92,947	514	92,690	2,539,943	27.3
58-59	0.005940	92,433	549	92,158	2,447,253	26.5
59-60	0.006376	91,884	586	91,591	2,355,095	25.6
60-61	0.006849	91,298	625	90,985	2,263,504	24.8
61-62	0.007354	90,672	667	90,339	2,172,519	24.0
62-63	0.007879	90,006	709	89,651	2,082,180	23.1
63-64	0.008425	89,296	752	88,920	1,992,529	22.3
64-65	0.009008	88,544	798	88,145	1,903,609	21.5
65-66	0.009638	87,747	846	87,324	1,815,464	20.7
66-67	0.010386	86,901	903	86,450	1,728,140	19.9
67-68	0.011235	85,998	966	85,515	1,641,690	19.1
68-69	0.012237	85,032	1,041	84,512	1,556,175	18.3
69-70	0.013393	83,992	1,125	83,429	1,471,663	17.5
70-71	0.014731	82,867	1,221	82,256	1,388,234	16.8
71-72	0.016080	81,646	1,313	80,990	1,305,978	16.0
72-73	0.017952	80,333	1,442	79,612	1,224,989	15.2
73-74	0.019637	78,891	1,549	78,116	1,145,377	14.5
74-75	0.021744	77,342	1,682	76,501	1,067,260	13.8
75-76	0.023929	75,660	1,810	74,755	990,759	13.1
76-77	0.026629	73,850	1,967	72,866	916,004	12.4
77-78	0.029547	71,883	2,124	70,821	843,138	11.7
78-79	0.032857	69,759	2,292	68,613	772,317	11.1
79-80	0.036519	67,467	2,464	66,235	703,704	10.4
80-81	0.040589	65,003	2,638	63,684	637,469	9.8
81-82	0.045639	62,365	2,846	60,942	573,785	9.2
82-83	0.051261	59,518	3,051	57,993	512,844	8.6
83-84	0.057423	56,468	3,243	54,846	454,851	8.1
84-85	0.065035	53,225	3,461	51,494	400,004	7.5
85-86	0.072862	49,763	3,626	47,951	348,510	7.0

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	$q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
86-87	0.080121	46,138	3,697	44,289	300,559	6.5
87-88	0.090650	42,441	3,847	40,517	256,270	6.0
88-89	0.102322	38,594	3,949	36,619	215,753	5.6
89-90	0.115196	34,645	3,991	32,649	179,133	5.2
90-91	0.129319	30,654	3,964	28,672	146,484	4.8
91-92	0.144719	26,690	3,863	24,758	117,812	4.4
92-93	0.161402	22,827	3,684	20,985	93,054	4.1
93-94	0.179347	19,143	3,433	17,426	72,069	3.8
94-95	0.198504	15,710	3,118	14,150	54,643	3.5
95-96	0.218788	12,591	2,755	11,214	40,492	3.2
96-97	0.240082	9,836	2,362	8,656	29,278	3.0
97-98	0.262235	7,475	1,960	6,495	20,623	2.8
98-99	0.285066	5,515	1,572	4,729	14,128	2.6
99-100	0.308369	3,943	1,216	3,335	9,399	2.4
100 and over	1.000000	2,727	2,727	6,064	6,064	2.2

SOURCE: NCHS, National Vital Statistics System, Mortality.