

U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2010): **Revised United States life tables, 2000–2004**. National Vital Statistics Report Volume 58, Number 10. 131pp. Downloaded from: www.cdc.gov (20.12.2023).

Note: These tables are updated using revised intercensal population estimates and a new methodology implemented with the final 2008 life tables: https://www.cdc.gov/nchs/data/dvs/LEWK3_2001.pdf

Table II. Life table for males: United States, 2001

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	of life
	ages x to x+1				lived above	at age x
	q^x	l^x	d^x	L^x	age x	e^x
					T^x	
0-1	0.007514	100,000	751	99,344	7,421,341	74.2
1-2	0.000567	99,249	56	99,220	7,321,997	73.8
2-3	0.000376	99,192	37	99,174	7,222,777	72.8
3-4	0.000281	99,155	28	99,141	7,123,603	71.8
4-5	0.000237	99,127	23	99,115	7,024,462	70.9
5-6	0.000200	99,104	20	99,094	6,925,347	69.9
6-7	0.000185	99,084	18	99,075	6,826,253	68.9
7-8	0.000172	99,066	17	99,057	6,727,178	67.9
8-9	0.000152	99,049	15	99,041	6,628,121	66.9
9-10	0.000127	99,033	13	99,027	6,529,080	65.9
10-11	0.000109	99,021	11	99,015	6,430,053	64.9
11-12	0.000117	99,010	12	99,004	6,331,037	63.9
12-13	0.000173	98,998	17	98,990	6,232,033	63.0
13-14	0.000290	98,981	29	98,967	6,133,043	62.0
14-15	0.000453	98,953	45	98,930	6,034,076	61.0
15-16	0.000634	98,908	63	98,877	5,935,146	60.0
16-17	0.000807	98,845	80	98,805	5,836,269	59.0
17-18	0.000965	98,765	95	98,718	5,737,464	58.1
18-19	0.001093	98,670	108	98,616	5,638,746	57.1
19-20	0.001194	98,562	118	98,503	5,540,130	56.2
20-21	0.001298	98,445	128	98,381	5,441,627	55.3
21-22	0.001398	98,317	137	98,248	5,343,246	54.3
22-23	0.001457	98,179	143	98,108	5,244,998	53.4
23-24	0.001466	98,036	144	97,964	5,146,890	52.5
24-25	0.001437	97,893	141	97,822	5,048,926	51.6
25-26	0.001393	97,752	136	97,684	4,951,104	50.6
26-27	0.001358	97,616	133	97,550	4,853,420	49.7
27-28	0.001334	97,483	130	97,418	4,755,870	48.8
28-29	0.001335	97,353	130	97,288	4,658,452	47.9
29-30	0.001356	97,223	132	97,157	4,561,164	46.9
30-31	0.001382	97,091	134	97,024	4,464,006	46.0
31-32	0.001416	96,957	137	96,889	4,366,982	45.0
32-33	0.001486	96,820	144	96,748	4,270,094	44.1
33-34	0.001572	96,676	152	96,600	4,173,345	43.2
34-35	0.001694	96,524	164	96,442	4,076,745	42.2
35-36	0.001831	96,361	176	96,272	3,980,303	41.3
36-37	0.001975	96,184	190	96,089	3,884,031	40.4
37-38	0.002126	95,994	204	95,892	3,787,942	39.5
38-39	0.002282	95,790	219	95,681	3,692,050	38.5

Table II. Life table for males: United States, 2001

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	at age x
	ages x to x+1				lived above	
	q^x	l^x	d^x	L^x	age x	e^x
					T^x	
39-40	0.002445	95,571	234	95,455	3,596,369	37.6
40-41	0.002615	95,338	249	95,213	3,500,914	36.7
41-42	0.002800	95,088	266	94,955	3,405,701	35.8
42-43	0.003012	94,822	286	94,679	3,310,746	34.9
43-44	0.003263	94,537	308	94,382	3,216,066	34.0
44-45	0.003552	94,228	335	94,061	3,121,684	33.1
45-46	0.003872	93,893	364	93,712	3,027,623	32.2
46-47	0.004211	93,530	394	93,333	2,933,911	31.4
47-48	0.004561	93,136	425	92,924	2,840,579	30.5
48-49	0.004908	92,711	455	92,484	2,747,655	29.6
49-50	0.005253	92,256	485	92,014	2,655,171	28.8
50-51	0.005618	91,772	516	91,514	2,563,157	27.9
51-52	0.006014	91,256	549	90,982	2,471,643	27.1
52-53	0.006438	90,707	584	90,415	2,380,662	26.2
53-54	0.006907	90,123	622	89,812	2,290,247	25.4
54-55	0.007442	89,501	666	89,168	2,200,435	24.6
55-56	0.008063	88,835	716	88,477	2,111,267	23.8
56-57	0.008771	88,118	773	87,732	2,022,790	23.0
57-58	0.009564	87,346	835	86,928	1,935,058	22.2
58-59	0.010427	86,510	902	86,059	1,848,130	21.4
59-60	0.011360	85,608	973	85,122	1,762,071	20.6
60-61	0.012414	84,636	1,051	84,110	1,676,949	19.8
61-62	0.013613	83,585	1,138	83,016	1,592,839	19.1
62-63	0.014905	82,447	1,229	81,833	1,509,823	18.3
63-64	0.016265	81,218	1,321	80,558	1,427,990	17.6
64-65	0.017700	79,897	1,414	79,190	1,347,433	16.9
65-66	0.019206	78,483	1,507	77,729	1,268,242	16.2
66-67	0.020836	76,976	1,604	76,174	1,190,513	15.5
67-68	0.022727	75,372	1,713	74,515	1,114,339	14.8
68-69	0.024909	73,659	1,835	72,742	1,039,824	14.1
69-70	0.027315	71,824	1,962	70,843	967,082	13.5
70-71	0.029873	69,862	2,087	68,819	896,239	12.8
71-72	0.032677	67,775	2,215	66,668	827,420	12.2
72-73	0.035870	65,561	2,352	64,385	760,752	11.6
73-74	0.039467	63,209	2,495	61,962	696,368	11.0
74-75	0.043418	60,714	2,636	59,396	634,406	10.4
75-76	0.047765	58,078	2,774	56,691	575,010	9.9
76-77	0.052392	55,304	2,897	53,855	518,319	9.4
77-78	0.057441	52,407	3,010	50,901	464,464	8.9

Table II. Life table for males: United States, 2001

Age	Probability of dying between ages x to x+1 q^x	Number surviving to age x l^x	Number dying between ages x to x+1 d^x	Person-years lived between ages x to x+1 L^x	Total number of person-years lived above age x T^x	Expectation of life at age x e^x
78-79	0.062944	49,396	3,109	47,842	413,562	8.4
79-80	0.068936	46,287	3,191	44,692	365,720	7.9
80-81	0.075452	43,096	3,252	41,470	321,029	7.4
81-82	0.082530	39,845	3,288	38,200	279,558	7.0
82-83	0.090207	36,556	3,298	34,907	241,358	6.6
83-84	0.098521	33,259	3,277	31,620	206,451	6.2
84-85	0.107511	29,982	3,223	28,370	174,830	5.8
85-86	0.117214	26,759	3,136	25,190	146,460	5.5
86-87	0.127668	23,622	3,016	22,114	121,270	5.1
87-88	0.138908	20,606	2,862	19,175	99,156	4.8
88-89	0.150966	17,744	2,679	16,405	79,981	4.5
89-90	0.163872	15,065	2,469	13,831	63,576	4.2
90-91	0.177650	12,596	2,238	11,478	49,745	3.9
91-92	0.192320	10,359	1,992	9,363	38,268	3.7
92-93	0.207895	8,366	1,739	7,497	28,905	3.5
93-94	0.224381	6,627	1,487	5,884	21,409	3.2
94-95	0.241775	5,140	1,243	4,519	15,525	3.0
95-96	0.260066	3,897	1,014	3,391	11,006	2.8
96-97	0.279231	2,884	805	2,481	7,616	2.6
97-98	0.299237	2,079	622	1,768	5,134	2.5
98-99	0.320039	1,457	466	1,223	3,367	2.3
99-100	0.341584	990	338	821	2,143	2.2
100 and over	1.000000	652	652	1,322	1,322	2.0

Table III. Life table for females: United States, 2001

Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	of life
	ages x to x+1				lived above	at age x
	q^x	l^x	d^x	L^x	age x	e^x
					T^x	
0-1	0.006139	100,000	614	99,467	7,942,918	79.4
1-2	0.000475	99,386	47	99,363	7,843,451	78.9
2-3	0.000293	99,339	29	99,324	7,744,089	78.0
3-4	0.000219	99,310	22	99,299	7,644,764	77.0
4-5	0.000177	99,288	18	99,279	7,545,465	76.0
5-6	0.000164	99,271	16	99,262	7,446,186	75.0
6-7	0.000149	99,254	15	99,247	7,346,923	74.0
7-8	0.000138	99,240	14	99,233	7,247,677	73.0
8-9	0.000127	99,226	13	99,220	7,148,444	72.0
9-10	0.000118	99,213	12	99,207	7,049,224	71.1
10-11	0.000112	99,202	11	99,196	6,950,017	70.1
11-12	0.000115	99,191	11	99,185	6,850,820	69.1
12-13	0.000135	99,179	13	99,173	6,751,636	68.1
13-14	0.000175	99,166	17	99,157	6,652,463	67.1
14-15	0.000230	99,148	23	99,137	6,553,306	66.1
15-16	0.000295	99,126	29	99,111	6,454,169	65.1
16-17	0.000357	99,096	35	99,079	6,355,058	64.1
17-18	0.000405	99,061	40	99,041	6,255,979	63.2
18-19	0.000431	99,021	43	99,000	6,156,938	62.2
19-20	0.000439	98,978	43	98,956	6,057,939	61.2
20-21	0.000445	98,935	44	98,913	5,958,982	60.2
21-22	0.000456	98,891	45	98,868	5,860,070	59.3
22-23	0.000467	98,846	46	98,823	5,761,201	58.3
23-24	0.000479	98,799	47	98,776	5,662,379	57.3
24-25	0.000493	98,752	49	98,728	5,563,603	56.3
25-26	0.000511	98,704	50	98,678	5,464,875	55.4
26-27	0.000531	98,653	52	98,627	5,366,197	54.4
27-28	0.000555	98,601	55	98,573	5,267,570	53.4
28-29	0.000580	98,546	57	98,517	5,168,997	52.5
29-30	0.000609	98,489	60	98,459	5,070,479	51.5
30-31	0.000641	98,429	63	98,397	4,972,020	50.5
31-32	0.000680	98,366	67	98,332	4,873,623	49.5
32-33	0.000737	98,299	72	98,263	4,775,291	48.6
33-34	0.000804	98,226	79	98,187	4,677,028	47.6
34-35	0.000889	98,147	87	98,104	4,578,841	46.7
35-36	0.000979	98,060	96	98,012	4,480,738	45.7
36-37	0.001072	97,964	105	97,912	4,382,726	44.7
37-38	0.001172	97,859	115	97,802	4,284,814	43.8
38-39	0.001279	97,744	125	97,682	4,187,012	42.8

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Age	Probability	Number	Number	Person-years	Total	Expectation
	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	at age x
	ages x to x+1				lived above	
	q^x	l^x	d^x	L^x	age x	e^x
					T^x	
39-40	0.001393	97,619	136	97,551	4,089,330	41.9
40-41	0.001514	97,483	148	97,410	3,991,779	40.9
41-42	0.001640	97,336	160	97,256	3,894,369	40.0
42-43	0.001768	97,176	172	97,090	3,797,113	39.1
43-44	0.001900	97,005	184	96,912	3,700,023	38.1
44-45	0.002041	96,820	198	96,721	3,603,110	37.2
45-46	0.002194	96,623	212	96,517	3,506,389	36.3
46-47	0.002363	96,411	228	96,297	3,409,872	35.4
47-48	0.002555	96,183	246	96,060	3,313,575	34.5
48-49	0.002769	95,937	266	95,804	3,217,515	33.5
49-50	0.003003	95,671	287	95,528	3,121,711	32.6
50-51	0.003257	95,384	311	95,229	3,026,183	31.7
51-52	0.003529	95,073	335	94,906	2,930,955	30.8
52-53	0.003821	94,738	362	94,557	2,836,049	29.9
53-54	0.004145	94,376	391	94,180	2,741,492	29.0
54-55	0.004512	93,985	424	93,773	2,647,312	28.2
55-56	0.004941	93,561	462	93,330	2,553,539	27.3
56-57	0.005433	93,098	506	92,846	2,460,209	26.4
57-58	0.005974	92,593	553	92,316	2,367,364	25.6
58-59	0.006547	92,040	603	91,738	2,275,047	24.7
59-60	0.007157	91,437	654	91,110	2,183,309	23.9
60-61	0.007850	90,783	713	90,426	2,092,199	23.0
61-62	0.008643	90,070	778	89,681	2,001,773	22.2
62-63	0.009491	89,291	847	88,868	1,912,092	21.4
63-64	0.010374	88,444	918	87,985	1,823,225	20.6
64-65	0.011302	87,526	989	87,032	1,735,239	19.8
65-66	0.012300	86,537	1,064	86,005	1,648,208	19.0
66-67	0.013290	85,473	1,136	84,905	1,562,203	18.3
67-68	0.014435	84,337	1,217	83,728	1,477,298	17.5
68-69	0.015749	83,119	1,309	82,465	1,393,570	16.8
69-70	0.017234	81,810	1,410	81,105	1,311,105	16.0
70-71	0.018866	80,400	1,517	79,642	1,229,999	15.3
71-72	0.020730	78,884	1,635	78,066	1,150,357	14.6
72-73	0.022926	77,248	1,771	76,363	1,072,291	13.9
73-74	0.025483	75,477	1,923	74,516	995,929	13.2
74-75	0.028383	73,554	2,088	72,510	921,413	12.5
75-76	0.031636	71,466	2,261	70,336	848,903	11.9
76-77	0.035122	69,205	2,431	67,990	778,567	11.3
77-78	0.038977	66,775	2,603	65,473	710,577	10.6

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	of dying				surviving to	
	between	age x	ages x to x+1	ages x to x+1	person-years	at age x
	ages x to x+1				lived above	
	q^x	l^x	d^x	L^x	age x	e^x
					T^x	
78-79	0.043237	64,172	2,775	62,785	645,104	10.1
79-80	0.047938	61,397	2,943	59,926	582,319	9.5
80-81	0.053122	58,454	3,105	56,902	522,393	8.9
81-82	0.058833	55,349	3,256	53,721	465,491	8.4
82-83	0.065114	52,093	3,392	50,397	411,771	7.9
83-84	0.072016	48,701	3,507	46,947	361,374	7.4
84-85	0.079586	45,193	3,597	43,395	314,427	7.0
85-86	0.087877	41,597	3,655	39,769	271,032	6.5
86-87	0.096941	37,941	3,678	36,102	231,263	6.1
87-88	0.106830	34,263	3,660	32,433	195,160	5.7
88-89	0.117596	30,603	3,599	28,804	162,727	5.3
89-90	0.129291	27,004	3,491	25,258	133,924	5.0
90-91	0.141961	23,513	3,338	21,844	108,665	4.6
91-92	0.155651	20,175	3,140	18,605	86,822	4.3
92-93	0.170399	17,035	2,903	15,583	68,217	4.0
93-94	0.186237	14,132	2,632	12,816	52,634	3.7
94-95	0.203185	11,500	2,337	10,332	39,818	3.5
95-96	0.221257	9,163	2,027	8,150	29,486	3.2
96-97	0.240451	7,136	1,716	6,278	21,336	3.0
97-98	0.260753	5,420	1,413	4,713	15,058	2.8
98-99	0.282132	4,007	1,130	3,442	10,345	2.6
99-100	0.304542	2,876	876	2,438	6,903	2.4
100 and over	1.000000	2,000	2,000	4,465	4,465	2.2