

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_2003.pdf

Table II. Life table for males: United States, 2003

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
0-1	0.007611	100,000	761	99,329	7,446,333	74.5
1-2	0.000522	99,239	52	99,213	7,347,003	74.0
2-3	0.000371	99,187	37	99,169	7,247,790	73.1
3-4	0.000288	99,150	29	99,136	7,148,621	72.1
4-5	0.000215	99,122	21	99,111	7,049,485	71.1
5-6	0.000196	99,100	19	99,091	6,950,374	70.1
6-7	0.000179	99,081	18	99,072	6,851,284	69.1
7-8	0.000165	99,063	16	99,055	6,752,212	68.2
8-9	0.000147	99,047	15	99,040	6,653,156	67.2
9-10	0.000126	99,032	12	99,026	6,554,117	66.2
10-11	0.000113	99,020	11	99,014	6,455,091	65.2
11-12	0.000125	99,009	12	99,003	6,356,076	64.2
12-13	0.000180	98,996	18	98,987	6,257,074	63.2
13-14	0.000291	98,979	29	98,964	6,158,086	62.2
14-15	0.000445	98,950	44	98,928	6,059,122	61.2
15-16	0.000618	98,906	61	98,875	5,960,194	60.3
16-17	0.000787	98,845	78	98,806	5,861,319	59.3
17-18	0.000946	98,767	93	98,720	5,762,514	58.3
18-19	0.001079	98,673	106	98,620	5,663,794	57.4
19-20	0.001186	98,567	117	98,508	5,565,174	56.5
20-21	0.001293	98,450	127	98,386	5,466,665	55.5
21-22	0.001392	98,323	137	98,254	5,368,279	54.6
22-23	0.001449	98,186	142	98,115	5,270,025	53.7
23-24	0.001456	98,044	143	97,972	5,171,910	52.8
24-25	0.001424	97,901	139	97,831	5,073,938	51.8
25-26	0.001376	97,761	135	97,694	4,976,107	50.9
26-27	0.001334	97,627	130	97,562	4,878,412	50.0
27-28	0.001308	97,497	128	97,433	4,780,851	49.0
28-29	0.001311	97,369	128	97,305	4,683,418	48.1
29-30	0.001339	97,241	130	97,176	4,586,112	47.2
30-31	0.001377	97,111	134	97,044	4,488,936	46.2
31-32	0.001417	96,978	137	96,909	4,391,892	45.3
32-33	0.001489	96,840	144	96,768	4,294,983	44.4
33-34	0.001541	96,696	149	96,621	4,198,215	43.4
34-35	0.001628	96,547	157	96,468	4,101,594	42.5
35-36	0.001729	96,390	167	96,306	4,005,125	41.6
36-37	0.001848	96,223	178	96,134	3,908,819	40.6
37-38	0.001996	96,045	192	95,949	3,812,685	39.7
38-39	0.002171	95,854	208	95,750	3,716,735	38.8

Table II. Life table for males: United States, 2003

Age	Probability of dying between ages x to x+1	Number surviving to age x	Number dying between ages x to x+1	Person-years lived between ages x to 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
39-40	0.002365	95,646	226	95,532	3,620,986	37.9
40-41	0.002566	95,419	245	95,297	3,525,453	36.9
41-42	0.002775	95,174	264	95,042	3,430,157	36.0
42-43	0.003006	94,910	285	94,768	3,335,114	35.1
43-44	0.003270	94,625	309	94,470	3,240,347	34.2
44-45	0.003566	94,316	336	94,147	3,145,876	33.4
45-46	0.003889	93,979	365	93,796	3,051,729	32.5
46-47	0.004225	93,614	396	93,416	2,957,932	31.6
47-48	0.004575	93,218	426	93,005	2,864,516	30.7
48-49	0.004932	92,792	458	92,563	2,771,511	29.9
49-50	0.005303	92,334	490	92,089	2,678,948	29.0
50-51	0.005708	91,844	524	91,582	2,586,859	28.2
51-52	0.006148	91,320	561	91,039	2,495,277	27.3
52-53	0.006606	90,759	600	90,459	2,404,237	26.5
53-54	0.007074	90,159	638	89,840	2,313,778	25.7
54-55	0.007561	89,521	677	89,183	2,223,938	24.8
55-56	0.008082	88,845	718	88,486	2,134,755	24.0
56-57	0.008662	88,127	763	87,745	2,046,270	23.2
57-58	0.009332	87,363	815	86,956	1,958,525	22.4
58-59	0.010128	86,548	877	86,110	1,871,569	21.6
59-60	0.011061	85,671	948	85,198	1,785,459	20.8
60-61	0.012157	84,724	1,030	84,209	1,700,262	20.1
61-62	0.013379	83,694	1,120	83,134	1,616,053	19.3
62-63	0.014658	82,574	1,210	81,969	1,532,919	18.6
63-64	0.015922	81,364	1,295	80,716	1,450,950	17.8
64-65	0.017186	80,068	1,376	79,380	1,370,234	17.1
65-66	0.018538	78,692	1,459	77,963	1,290,854	16.4
66-67	0.020001	77,233	1,545	76,461	1,212,892	15.7
67-68	0.021724	75,689	1,644	74,867	1,136,431	15.0
68-69	0.023713	74,044	1,756	73,166	1,061,564	14.3
69-70	0.025956	72,289	1,876	71,350	988,398	13.7
70-71	0.028373	70,412	1,998	69,413	917,047	13.0
71-72	0.031046	68,414	2,124	67,352	847,634	12.4
72-73	0.034164	66,290	2,265	65,158	780,282	11.8
73-74	0.037672	64,026	2,412	62,820	715,124	11.2
74-75	0.041566	61,614	2,561	60,333	652,304	10.6
75-76	0.045853	59,053	2,708	57,699	591,971	10.0
76-77	0.050443	56,345	2,842	54,924	534,272	9.5
77-78	0.055466	53,503	2,968	52,019	479,348	9.0

Table II. Life table for males: United States, 2003

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	0.060956	50,535	3,080	48,995	427,329	8.5
79-80	0.066952	47,455	3,177	45,866	378,335	8.0
80-81	0.073492	44,277	3,254	42,650	332,468	7.5
81-82	0.080615	41,023	3,307	39,370	289,818	7.1
82-83	0.088363	37,716	3,333	36,050	250,448	6.6
83-84	0.096777	34,384	3,328	32,720	214,398	6.2
84-85	0.105899	31,056	3,289	29,412	181,678	5.8
85-86	0.115770	27,767	3,215	26,160	152,266	5.5
86-87	0.126432	24,553	3,104	23,001	126,106	5.1
87-88	0.137922	21,448	2,958	19,969	103,106	4.8
88-89	0.150277	18,490	2,779	17,101	83,137	4.5
89-90	0.163529	15,712	2,569	14,427	66,036	4.2
90-91	0.177705	13,142	2,335	11,975	51,609	3.9
91-92	0.192827	10,807	2,084	9,765	39,634	3.7
92-93	0.208908	8,723	1,822	7,812	29,869	3.4
93-94	0.225955	6,901	1,559	6,121	22,057	3.2
94-95	0.243964	5,341	1,303	4,690	15,936	3.0
95-96	0.262922	4,038	1,062	3,507	11,246	2.8
96-97	0.282801	2,977	842	2,556	7,739	2.6
97-98	0.303564	2,135	648	1,811	5,183	2.4
98-99	0.325160	1,487	483	1,245	3,373	2.3
99-100	0.347527	1,003	349	829	2,128	2.1
100 and over	1.000000	655	655	1,299	1,299	2.0

Table III. Life table for females: United States, 2003

Age	Probability of dying between ages x to x+1	Number surviving to age x	Number dying between ages x to x+1	Person-years lived between ages x to 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	0.006083	100,000	608	99,460	7,959,589	79.6
1-2	0.000414	99,392	41	99,371	7,860,128	79.1
2-3	0.000301	99,351	30	99,336	7,760,757	78.1
3-4	0.000218	99,321	22	99,310	7,661,422	77.1
4-5	0.000172	99,299	17	99,290	7,562,112	76.2
5-6	0.000158	99,282	16	99,274	7,462,821	75.2
6-7	0.000141	99,266	14	99,259	7,363,547	74.2
7-8	0.000128	99,252	13	99,246	7,264,288	73.2
8-9	0.000117	99,240	12	99,234	7,165,042	72.2
9-10	0.000109	99,228	11	99,223	7,065,808	71.2
10-11	0.000105	99,217	10	99,212	6,966,586	70.2
11-12	0.000111	99,207	11	99,201	6,867,374	69.2
12-13	0.000132	99,196	13	99,189	6,768,172	68.2
13-14	0.000173	99,183	17	99,174	6,668,983	67.2
14-15	0.000228	99,166	23	99,154	6,569,809	66.3
15-16	0.000293	99,143	29	99,129	6,470,654	65.3
16-17	0.000356	99,114	35	99,096	6,371,526	64.3
17-18	0.000408	99,079	40	99,059	6,272,430	63.3
18-19	0.000440	99,038	44	99,017	6,173,371	62.3
19-20	0.000457	98,995	45	98,972	6,074,355	61.4
20-21	0.000472	98,949	47	98,926	5,975,382	60.4
21-22	0.000489	98,903	48	98,879	5,876,456	59.4
22-23	0.000502	98,854	50	98,830	5,777,578	58.4
23-24	0.000510	98,805	50	98,780	5,678,748	57.5
24-25	0.000516	98,754	51	98,729	5,579,969	56.5
25-26	0.000522	98,703	52	98,678	5,481,240	55.5
26-27	0.000533	98,652	53	98,626	5,382,562	54.6
27-28	0.000548	98,599	54	98,572	5,283,936	53.6
28-29	0.000570	98,545	56	98,517	5,185,364	52.6
29-30	0.000597	98,489	59	98,460	5,086,847	51.6
30-31	0.000629	98,430	62	98,399	4,988,387	50.7
31-32	0.000667	98,368	66	98,336	4,889,988	49.7
32-33	0.000722	98,303	71	98,267	4,791,652	48.7
33-34	0.000778	98,232	76	98,194	4,693,384	47.8
34-35	0.000854	98,155	84	98,114	4,595,191	46.8
35-36	0.000938	98,072	92	98,026	4,497,077	45.9
36-37	0.001031	97,980	101	97,929	4,399,052	44.9
37-38	0.001137	97,879	111	97,823	4,301,123	43.9
38-39	0.001256	97,767	123	97,706	4,203,300	43.0

Table III. Life table for females: United States, 2003

Age	Probability of dying between ages x to x+1	Number surviving to age x	Number dying between ages x to x+1	Person-years lived between ages x to 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
39-40	0.001383	97,644	135	97,577	4,105,594	42.0
40-41	0.001513	97,509	147	97,436	4,008,017	41.1
41-42	0.001644	97,362	160	97,282	3,910,581	40.2
42-43	0.001781	97,202	173	97,115	3,813,299	39.2
43-44	0.001926	97,029	187	96,935	3,716,184	38.3
44-45	0.002084	96,842	202	96,741	3,619,248	37.4
45-46	0.002257	96,640	218	96,531	3,522,507	36.4
46-47	0.002439	96,422	235	96,304	3,425,976	35.5
47-48	0.002629	96,187	253	96,060	3,329,672	34.6
48-49	0.002825	95,934	271	95,798	3,233,612	33.7
49-50	0.003030	95,663	290	95,518	3,137,813	32.8
50-51	0.003254	95,373	310	95,218	3,042,295	31.9
51-52	0.003505	95,063	333	94,896	2,947,077	31.0
52-53	0.003786	94,730	359	94,550	2,852,181	30.1
53-54	0.004102	94,371	387	94,177	2,757,631	29.2
54-55	0.004456	93,984	419	93,774	2,663,454	28.3
55-56	0.004847	93,565	454	93,338	2,569,679	27.5
56-57	0.005278	93,111	491	92,866	2,476,341	26.6
57-58	0.005762	92,620	534	92,353	2,383,475	25.7
58-59	0.006311	92,086	581	91,796	2,291,122	24.9
59-60	0.006935	91,505	635	91,188	2,199,326	24.0
60-61	0.007669	90,871	697	90,522	2,108,138	23.2
61-62	0.008492	90,174	766	89,791	2,017,616	22.4
62-63	0.009338	89,408	835	88,991	1,927,825	21.6
63-64	0.010157	88,573	900	88,123	1,838,834	20.8
64-65	0.010972	87,674	962	87,193	1,750,711	20.0
65-66	0.011861	86,712	1,028	86,197	1,663,518	19.2
66-67	0.012774	85,683	1,095	85,136	1,577,321	18.4
67-68	0.013863	84,589	1,173	84,002	1,492,185	17.6
68-69	0.015138	83,416	1,263	82,785	1,408,182	16.9
69-70	0.016597	82,153	1,363	81,472	1,325,398	16.1
70-71	0.018216	80,790	1,472	80,054	1,243,926	15.4
71-72	0.020067	79,318	1,592	78,522	1,163,872	14.7
72-73	0.022231	77,726	1,728	76,862	1,085,350	14.0
73-74	0.024733	75,999	1,880	75,059	1,008,487	13.3
74-75	0.027574	74,119	2,044	73,097	933,429	12.6
75-76	0.030781	72,075	2,219	70,966	860,332	11.9
76-77	0.034249	69,857	2,392	68,660	789,366	11.3
77-78	0.038091	67,464	2,570	66,179	720,706	10.7

Table III. Life table for females: United States, 2003

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	0.042346	64,894	2,748	63,520	654,527	10.1
79-80	0.047053	62,146	2,924	60,684	591,006	9.5
80-81	0.052255	59,222	3,095	57,675	530,322	9.0
81-82	0.057997	56,127	3,255	54,500	472,647	8.4
82-83	0.064327	52,872	3,401	51,172	418,148	7.9
83-84	0.071295	49,471	3,527	47,708	366,976	7.4
84-85	0.078955	45,944	3,627	44,130	319,269	6.9
85-86	0.087360	42,317	3,697	40,468	275,138	6.5
86-87	0.096566	38,620	3,729	36,755	234,670	6.1
87-88	0.106628	34,890	3,720	33,030	197,915	5.7
88-89	0.117603	31,170	3,666	29,337	164,885	5.3
89-90	0.129544	27,504	3,563	25,723	135,547	4.9
90-91	0.142501	23,941	3,412	22,236	109,824	4.6
91-92	0.156521	20,530	3,213	18,923	87,589	4.3
92-93	0.171645	17,316	2,972	15,830	68,666	4.0
93-94	0.187904	14,344	2,695	12,996	52,835	3.7
94-95	0.205321	11,649	2,392	10,453	39,839	3.4
95-96	0.223908	9,257	2,073	8,221	29,386	3.2
96-97	0.243662	7,184	1,751	6,309	21,165	2.9
97-98	0.264564	5,434	1,438	4,715	14,856	2.7
98-99	0.286580	3,996	1,145	3,424	10,141	2.5
99-100	0.309657	2,851	883	2,410	6,718	2.4
100 and over	1.000000	1,968	1,968	4,308	4,308	2.2