

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_2004.pdf

Table II. Life table for males: United States, 2004

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	
0-1	0.007475	100,000	747	99,344	7,487,725	74.9
1-2	0.000508	99,253	50	99,227	7,388,381	74.4
2-3	0.000326	99,202	32	99,186	7,289,154	73.5
3-4	0.000250	99,170	25	99,157	7,189,968	72.5
4-5	0.000208	99,145	21	99,135	7,090,811	71.5
5-6	0.000191	99,124	19	99,115	6,991,676	70.5
6-7	0.000182	99,105	18	99,096	6,892,561	69.5
7-8	0.000171	99,087	17	99,079	6,793,464	68.6
8-9	0.000152	99,070	15	99,063	6,694,386	67.6
9-10	0.000125	99,055	12	99,049	6,595,323	66.6
10-11	0.000105	99,043	10	99,038	6,496,273	65.6
11-12	0.000111	99,033	11	99,027	6,397,236	64.6
12-13	0.000162	99,022	16	99,014	6,298,208	63.6
13-14	0.000274	99,006	27	98,992	6,199,195	62.6
14-15	0.000431	98,978	43	98,957	6,100,203	61.6
15-16	0.000608	98,936	60	98,906	6,001,246	60.7
16-17	0.000777	98,876	77	98,837	5,902,340	59.7
17-18	0.000935	98,799	92	98,753	5,803,503	58.7
18-19	0.001064	98,706	105	98,654	5,704,750	57.8
19-20	0.001166	98,601	115	98,544	5,606,096	56.9
20-21	0.001266	98,486	125	98,424	5,507,553	55.9
21-22	0.001360	98,362	134	98,295	5,409,128	55.0
22-23	0.001419	98,228	139	98,158	5,310,834	54.1
23-24	0.001435	98,089	141	98,018	5,212,675	53.1
24-25	0.001419	97,948	139	97,878	5,114,657	52.2
25-26	0.001390	97,809	136	97,741	5,016,779	51.3
26-27	0.001365	97,673	133	97,606	4,919,038	50.4
27-28	0.001344	97,540	131	97,474	4,821,432	49.4
28-29	0.001336	97,408	130	97,343	4,723,958	48.5
29-30	0.001341	97,278	130	97,213	4,626,614	47.6
30-31	0.001352	97,148	131	97,082	4,529,401	46.6
31-32	0.001371	97,017	133	96,950	4,432,319	45.7
32-33	0.001424	96,884	138	96,815	4,335,369	44.7
33-34	0.001469	96,746	142	96,675	4,238,554	43.8
34-35	0.001553	96,604	150	96,529	4,141,880	42.9
35-36	0.001653	96,454	159	96,374	4,045,351	41.9
36-37	0.001770	96,294	170	96,209	3,948,977	41.0
37-38	0.001911	96,124	184	96,032	3,852,768	40.1
38-39	0.002075	95,940	199	95,841	3,756,736	39.2

Table II. Life table for males: United States, 2004

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	0.002254	95,741	216	95,633	3,660,896	38.2
40-41	0.002438	95,525	233	95,409	3,565,263	37.3
41-42	0.002632	95,292	251	95,167	3,469,854	36.4
42-43	0.002853	95,042	271	94,906	3,374,687	35.5
43-44	0.003113	94,770	295	94,623	3,279,781	34.6
44-45	0.003412	94,475	322	94,314	3,185,158	33.7
45-46	0.003735	94,153	352	93,977	3,090,844	32.8
46-47	0.004071	93,801	382	93,610	2,996,867	31.9
47-48	0.004428	93,420	414	93,213	2,903,256	31.1
48-49	0.004806	93,006	447	92,782	2,810,043	30.2
49-50	0.005206	92,559	482	92,318	2,717,261	29.4
50-51	0.005648	92,077	520	91,817	2,624,943	28.5
51-52	0.006121	91,557	560	91,277	2,533,126	27.7
52-53	0.006594	90,997	600	90,697	2,441,850	26.8
53-54	0.007045	90,397	637	90,078	2,351,153	26.0
54-55	0.007488	89,760	672	89,424	2,261,075	25.2
55-56	0.007946	89,088	708	88,734	2,171,651	24.4
56-57	0.008459	88,380	748	88,006	2,082,918	23.6
57-58	0.009064	87,632	794	87,235	1,994,912	22.8
58-59	0.009810	86,838	852	86,412	1,907,677	22.0
59-60	0.010706	85,986	921	85,526	1,821,265	21.2
60-61	0.011763	85,065	1,001	84,565	1,735,740	20.4
61-62	0.012934	84,065	1,087	83,521	1,651,175	19.6
62-63	0.014159	82,977	1,175	82,390	1,567,653	18.9
63-64	0.015362	81,802	1,257	81,174	1,485,264	18.2
64-65	0.016558	80,546	1,334	79,879	1,404,089	17.4
65-66	0.017847	79,212	1,414	78,505	1,324,210	16.7
66-67	0.019227	77,798	1,496	77,051	1,245,705	16.0
67-68	0.020833	76,303	1,590	75,508	1,168,655	15.3
68-69	0.022675	74,713	1,694	73,866	1,093,147	14.6
69-70	0.024777	73,019	1,809	72,114	1,019,281	14.0
70-71	0.027094	71,210	1,929	70,245	947,166	13.3
71-72	0.029671	69,280	2,056	68,253	876,921	12.7
72-73	0.032638	67,225	2,194	66,128	808,669	12.0
73-74	0.036016	65,031	2,342	63,860	742,541	11.4
74-75	0.039775	62,689	2,493	61,442	678,681	10.8
75-76	0.043903	60,195	2,643	58,874	617,239	10.3
76-77	0.048334	57,552	2,782	56,162	558,366	9.7
77-78	0.053187	54,771	2,913	53,314	502,204	9.2

Table II. Life table for males: United States, 2004

Age	Probablity	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	Expectation of life at age x e^x
	of dying between ages x to x+1 q^x				number of person-years lived above age x T^x	
78-79	0.058497	51,858	3,034	50,341	448,890	8.7
79-80	0.064302	48,824	3,139	47,254	398,549	8.2
80-81	0.070639	45,685	3,227	44,071	351,295	7.7
81-82	0.077549	42,458	3,293	40,811	307,224	7.2
82-83	0.085073	39,165	3,332	37,499	266,413	6.8
83-84	0.093254	35,833	3,342	34,162	228,914	6.4
84-85	0.102133	32,492	3,318	30,832	194,751	6.0
85-86	0.111754	29,173	3,260	27,543	163,919	5.6
86-87	0.122157	25,913	3,165	24,330	136,376	5.3
87-88	0.133384	22,747	3,034	21,230	112,046	4.9
88-89	0.145471	19,713	2,868	18,279	90,816	4.6
89-90	0.158454	16,846	2,669	15,511	72,536	4.3
90-91	0.172361	14,176	2,443	12,955	57,025	4.0
91-92	0.187217	11,733	2,197	10,635	44,071	3.8
92-93	0.203040	9,536	1,936	8,568	33,436	3.5
93-94	0.219839	7,600	1,671	6,765	24,868	3.3
94-95	0.237613	5,929	1,409	5,225	18,103	3.1
95-96	0.256351	4,520	1,159	3,941	12,878	2.8
96-97	0.276033	3,362	928	2,898	8,937	2.7
97-98	0.296622	2,434	722	2,073	6,040	2.5
98-99	0.318073	1,712	544	1,440	3,967	2.3
99-100	0.340325	1,167	397	969	2,528	2.2
100 and over	1.000000	770	770	1,559	1,559	2.0

Table III. Life table for females: United States, 2004

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	0.006091	100,000	609	99,465	7,994,462	79.9
1-2	0.000457	99,391	45	99,368	7,894,997	79.4
2-3	0.000267	99,346	26	99,332	7,795,629	78.5
3-4	0.000197	99,319	20	99,309	7,696,297	77.5
4-5	0.000168	99,299	17	99,291	7,596,988	76.5
5-6	0.000151	99,283	15	99,275	7,497,697	75.5
6-7	0.000138	99,268	14	99,261	7,398,421	74.5
7-8	0.000129	99,254	13	99,248	7,299,160	73.5
8-9	0.000120	99,241	12	99,235	7,199,913	72.5
9-10	0.000112	99,229	11	99,224	7,100,677	71.6
10-11	0.000107	99,218	11	99,213	7,001,454	70.6
11-12	0.000113	99,208	11	99,202	6,902,241	69.6
12-13	0.000135	99,196	13	99,190	6,803,039	68.6
13-14	0.000178	99,183	18	99,174	6,703,849	67.6
14-15	0.000237	99,165	23	99,154	6,604,675	66.6
15-16	0.000306	99,142	30	99,127	6,505,521	65.6
16-17	0.000371	99,112	37	99,093	6,406,394	64.6
17-18	0.000421	99,075	42	99,054	6,307,301	63.7
18-19	0.000446	99,033	44	99,011	6,208,247	62.7
19-20	0.000453	98,989	45	98,967	6,109,236	61.7
20-21	0.000456	98,944	45	98,922	6,010,270	60.7
21-22	0.000464	98,899	46	98,876	5,911,348	59.8
22-23	0.000471	98,853	47	98,830	5,812,472	58.8
23-24	0.000481	98,807	47	98,783	5,713,642	57.8
24-25	0.000492	98,759	49	98,735	5,614,860	56.9
25-26	0.000506	98,710	50	98,686	5,516,125	55.9
26-27	0.000522	98,661	51	98,635	5,417,439	54.9
27-28	0.000541	98,609	53	98,582	5,318,804	53.9
28-29	0.000565	98,556	56	98,528	5,220,222	53.0
29-30	0.000593	98,500	58	98,471	5,121,694	52.0
30-31	0.000627	98,442	62	98,411	5,023,223	51.0
31-32	0.000667	98,380	66	98,347	4,924,813	50.1
32-33	0.000718	98,314	71	98,279	4,826,465	49.1
33-34	0.000764	98,244	75	98,206	4,728,186	48.1
34-35	0.000825	98,169	81	98,128	4,629,980	47.2
35-36	0.000892	98,088	88	98,044	4,531,852	46.2
36-37	0.000971	98,000	95	97,953	4,433,808	45.2
37-38	0.001071	97,905	105	97,853	4,335,855	44.3
38-39	0.001190	97,800	116	97,742	4,238,002	43.3

Table III. Life table for females: United States, 2004

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	
39-40	0.001321	97,684	129	97,619	4,140,260	42.4
40-41	0.001453	97,555	142	97,484	4,042,641	41.4
41-42	0.001586	97,413	154	97,336	3,945,157	40.5
42-43	0.001727	97,259	168	97,175	3,847,821	39.6
43-44	0.001883	97,091	183	96,999	3,750,646	38.6
44-45	0.002055	96,908	199	96,808	3,653,647	37.7
45-46	0.002243	96,709	217	96,600	3,556,839	36.8
46-47	0.002439	96,492	235	96,374	3,460,238	35.9
47-48	0.002633	96,256	253	96,130	3,363,864	34.9
48-49	0.002819	96,003	271	95,868	3,267,734	34.0
49-50	0.003005	95,732	288	95,588	3,171,867	33.1
50-51	0.003205	95,445	306	95,292	3,076,278	32.2
51-52	0.003432	95,139	327	94,975	2,980,987	31.3
52-53	0.003695	94,812	350	94,637	2,886,011	30.4
53-54	0.004001	94,462	378	94,273	2,791,374	29.6
54-55	0.004346	94,084	409	93,880	2,697,101	28.7
55-56	0.004725	93,675	443	93,454	2,603,222	27.8
56-57	0.005137	93,232	479	92,993	2,509,768	26.9
57-58	0.005594	92,754	519	92,494	2,416,775	26.1
58-59	0.006110	92,235	564	91,953	2,324,281	25.2
59-60	0.006697	91,671	614	91,364	2,232,328	24.4
60-61	0.007389	91,057	673	90,721	2,140,964	23.5
61-62	0.008167	90,384	738	90,015	2,050,243	22.7
62-63	0.008977	89,646	805	89,244	1,960,227	21.9
63-64	0.009776	88,842	868	88,407	1,870,983	21.1
64-65	0.010581	87,973	931	87,508	1,782,576	20.3
65-66	0.011466	87,042	998	86,543	1,695,068	19.5
66-67	0.012376	86,044	1,065	85,512	1,608,525	18.7
67-68	0.013444	84,979	1,142	84,408	1,523,014	17.9
68-69	0.014679	83,837	1,231	83,222	1,438,606	17.2
69-70	0.016088	82,606	1,329	81,942	1,355,384	16.4
70-71	0.017666	81,277	1,436	80,559	1,273,442	15.7
71-72	0.019465	79,841	1,554	79,064	1,192,883	14.9
72-73	0.021542	78,287	1,686	77,444	1,113,819	14.2
73-74	0.023925	76,601	1,833	75,684	1,036,375	13.5
74-75	0.026633	74,768	1,991	73,772	960,691	12.8
75-76	0.029707	72,777	2,162	71,696	886,918	12.2
76-77	0.033036	70,615	2,333	69,448	815,222	11.5
77-78	0.036724	68,282	2,508	67,028	745,774	10.9

Table III. Life table for females: United States, 2004

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	
78-79	0.040806	65,774	2,684	64,432	678,746	10.3
79-80	0.045321	63,090	2,859	61,661	614,313	9.7
80-81	0.050309	60,231	3,030	58,716	552,653	9.2
81-82	0.055814	57,201	3,193	55,605	493,937	8.6
82-83	0.061882	54,008	3,342	52,337	438,332	8.1
83-84	0.068561	50,666	3,474	48,929	385,995	7.6
84-85	0.075904	47,192	3,582	45,401	337,065	7.1
85-86	0.083962	43,610	3,662	41,780	291,664	6.7
86-87	0.092789	39,949	3,707	38,095	249,884	6.3
87-88	0.102441	36,242	3,713	34,386	211,789	5.8
88-89	0.112972	32,529	3,675	30,692	177,403	5.5
89-90	0.124435	28,854	3,590	27,059	146,711	5.1
90-91	0.136882	25,264	3,458	23,535	119,652	4.7
91-92	0.150360	21,806	3,279	20,166	96,117	4.4
92-93	0.164911	18,527	3,055	16,999	75,951	4.1
93-94	0.180572	15,472	2,794	14,075	58,952	3.8
94-95	0.197368	12,678	2,502	11,427	44,877	3.5
95-96	0.215316	10,176	2,191	9,080	33,450	3.3
96-97	0.234419	7,985	1,872	7,049	24,370	3.1
97-98	0.254667	6,113	1,557	5,335	17,321	2.8
98-99	0.276034	4,556	1,258	3,927	11,986	2.6
99-100	0.298475	3,299	985	2,806	8,059	2.4
100 and over	1.000000	2,314	2,314	5,253	5,253	2.3