

Greville, Thomas N.E. (1947): United States Life Tables and Actuarial Tables 1939-1941, Federal Security Agency, United States public Health Service, Washington, p. 28-31.  
Downloaded from: [http://www.cdc.gov/nchs/data/lifetables/life39-41\\_actuarial.pdf](http://www.cdc.gov/nchs/data/lifetables/life39-41_actuarial.pdf)  
(06.03.2009).

## UNITED STATES LIFE TABLES AND ACTUARIAL TABLES

TABLE 2.—LIFE TABLE FOR TOTAL MALES IN THE UNITED STATES: 1939-1941

YEAR OF AGE  Period of life between two exact ages stated  (1)	MORTALITY RATE	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE FUTURE LIFETIME
	Number dying per 1,000 alive at beginning of year of age  (2)	Number living at beginning of year of age  (3)	Number dying during year of age  (4)	In year of age  (5)	In year of age and all later years  (6)	Average number of years of life remaining at beginning of year of age  (7)
$x$ to $x+1$	1,000 $q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
0-1	52.38	100,000	5,238	95,591	6,160,087	61.60
1-2	5.53	94,762	524	94,453	6,064,496	64.00
2-3	2.89	94,238	273	94,093	5,970,043	63.35
3-4	2.01	93,965	189	93,867	5,875,950	62.53
4-5	1.62	93,776	152	93,697	5,782,083	61.66
5-6	1.45	93,624	136	93,556	5,688,386	60.76
6-7	1.30	93,488	121	93,428	5,594,830	59.85
7-8	1.19	93,367	111	93,312	5,501,402	58.92
8-9	1.11	93,256	103	93,204	5,408,090	57.99
9-10	1.06	93,153	99	93,103	5,314,886	57.06
10-11	1.05	93,054	98	93,005	5,221,783	56.12
11-12	1.07	92,956	100	92,906	5,128,778	55.17
12-13	1.13	92,856	105	92,804	5,035,872	54.23
13-14	1.24	92,751	114	92,694	4,943,068	53.29
14-15	1.39	92,637	129	92,572	4,850,374	52.36
15-16	1.57	92,508	146	92,435	4,757,802	51.43
16-17	1.76	92,362	163	92,281	4,665,367	50.51
17-18	1.94	92,199	179	92,110	4,573,086	49.60
18-19	2.11	92,020	194	91,923	4,480,976	48.70
19-20	2.28	91,826	209	91,721	4,389,053	47.80
20-21	2.46	91,617	225	91,504	4,297,332	46.91
21-22	2.61	91,392	239	91,273	4,205,828	46.02
22-23	2.74	91,153	250	91,028	4,114,555	45.14
23-24	2.83	90,903	257	90,774	4,023,527	44.26
24-25	2.88	90,646	261	90,516	3,932,753	43.39
25-26	2.92	90,385	264	90,253	3,842,237	42.51
26-27	2.97	90,121	267	89,988	3,751,984	41.63
27-28	3.04	89,854	273	89,717	3,661,996	40.75
28-29	3.14	89,581	281	89,440	3,572,279	39.88
29-30	3.25	89,300	291	89,155	3,482,839	39.00
30-31	3.38	89,009	300	88,859	3,393,684	38.13
31-32	3.52	88,709	312	88,553	3,304,825	37.25
32-33	3.69	88,397	326	88,233	3,216,272	36.38
33-34	3.88	88,071	341	87,900	3,128,039	35.52
34-35	4.09	87,730	359	87,551	3,040,139	34.66
35-36	4.33	87,371	378	87,182	2,952,588	33.79
36-37	4.59	86,993	399	86,793	2,865,406	32.94
37-38	4.88	86,594	423	86,382	2,778,613	32.09
38-39	5.20	86,171	449	85,946	2,692,231	31.24
39-40	5.56	85,722	476	85,484	2,606,285	30.40
40-41	5.95	85,246	507	84,993	2,520,801	29.57
41-42	6.39	84,739	542	84,467	2,435,808	28.74
42-43	6.87	84,197	578	83,909	2,351,341	27.93
43-44	7.40	83,619	619	83,309	2,267,432	27.12
44-45	7.99	83,000	664	82,668	2,184,123	26.31
45-46	8.63	82,336	710	81,981	2,101,455	25.52
46-47	9.32	81,626	761	81,245	2,019,474	24.74
47-48	10.06	80,865	814	80,458	1,938,229	23.97
48-49	10.86	80,051	869	79,617	1,857,771	23.21
49-50	11.72	79,182	928	78,718	1,778,154	22.46
50-51	12.64	78,254	989	77,759	1,699,436	21.72
51-52	13.64	77,265	1,054	76,738	1,621,677	20.99
52-53	14.72	76,211	1,122	75,650	1,544,939	20.27
53-54	15.90	75,089	1,194	74,492	1,469,289	19.57
54-55	17.16	73,895	1,268	73,261	1,394,797	18.88

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TABLE 2.—LIFE TABLE FOR TOTAL MALES IN THE UNITED STATES: 1939-1941—Continued

YEAR OF AGE  Period of life between two exact ages stated  (1)	MORTALITY RATE	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE FUTURE LIFETIME
	Number dying per 1,000 alive at beginning of year of age  (2)	Number living at beginning of year of age  (3)	Number dying during year of age  (4)	In year of age  (5)	In year of age and all later years  (6)	Average number of years of life remaining at beginning of year of age  (7)
$x$ to $x+1$	$1,000q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
55-56	18.50	72,627	1,344	71,955	1,321,536	18.20
56-57	19.93	71,283	1,420	70,573	1,249,581	17.53
57-58	21.44	69,863	1,498	69,114	1,179,008	16.88
58-59	23.02	68,365	1,574	67,579	1,109,894	16.23
59-60	24.69	66,791	1,649	65,966	1,042,315	15.61
60-61	26.47	65,142	1,724	64,280	976,349	14.99
61-62	28.37	63,418	1,800	62,518	912,069	14.38
62-63	30.41	61,618	1,873	60,682	849,551	13.79
63-64	32.60	59,745	1,948	58,771	788,869	13.20
64-65	34.97	57,797	2,021	56,787	730,098	12.63
65-66	37.55	55,776	2,094	54,729	673,311	12.07
66-67	40.37	53,682	2,167	52,599	618,582	11.52
67-68	43.47	51,515	2,239	50,395	565,983	10.99
68-69	46.87	49,276	2,310	48,121	515,588	10.46
69-70	50.62	46,966	2,378	45,777	467,467	9.95
70-71	54.77	44,588	2,442	43,367	421,690	9.46
71-72	59.36	42,146	2,502	40,895	378,323	8.98
72-73	64.44	39,644	2,555	38,367	337,428	8.51
73-74	70.05	37,089	2,598	35,791	299,061	8.06
74-75	76.18	34,491	2,627	33,177	263,270	7.63
75-76	82.84	31,864	2,640	30,544	230,093	7.22
76-77	90.02	29,224	2,631	27,908	199,549	6.83
77-78	97.70	26,593	2,598	25,295	171,641	6.45
78-79	105.90	23,995	2,541	22,724	146,346	6.10
79-80	114.61	21,454	2,459	20,225	123,622	5.76
80-81	123.86	18,995	2,353	17,818	103,397	5.44
81-82	133.67	16,642	2,224	15,530	85,579	5.14
82-83	144.04	14,418	2,077	13,380	70,049	4.86
83-84	154.98	12,341	1,912	11,384	56,669	4.59
84-85	166.43	10,429	1,736	9,561	45,285	4.34
85-86	178.31	8,693	1,550	7,918	35,724	4.11
86-87	190.55	7,143	1,361	6,463	27,806	3.89
87-88	203.08	5,782	1,174	5,194	21,343	3.69
88-89	215.82	4,608	995	4,111	16,149	3.50
89-90	228.71	3,613	826	3,200	12,038	3.33
90-91	241.68	2,787	674	2,450	8,838	3.17
91-92	254.68	2,113	538	1,844	6,388	3.02
92-93	267.63	1,575	421	1,364	4,544	2.88
93-94	280.66	1,154	324	992	3,180	2.76
94-95	293.62	830	244	708	2,188	2.64
95-96	306.49	586	179	496	1,480	2.52
96-97	319.29	407	130	342	984	2.42
97-98	332.09	277	92	231	642	2.32
98-99	344.97	185	64	153	411	2.23
99-100	358.06	121	43	99	258	2.13
100-101	371.53	78	29	63	159	2.05
101-102	385.57	49	19	40	96	1.96
102-103	400.33	30	12	24	56	1.88
103-104	415.94	18	7	14	32	1.79
104-105	432.43	11	5	8	18	1.71
105-106	449.65	6	3	5	10	1.64
106-107	467.23	3	1	2	5	1.57
107-108	484.46	2	1	2	3	1.51
108-109	500.29	1	1	1	1	1.46

NOTE.—Rates of mortality at ages above 92 are not based on actual statistics at these ages, but have been obtained by mathematical extrapolation from mortality rates at younger ages. Other life table functions at these ages are based on the extrapolated rates of mortality, and may not necessarily represent actual conditions.

## UNITED STATES LIFE TABLES AND ACTUARIAL TABLES

TABLE 3.—LIFE TABLE FOR TOTAL FEMALES IN THE UNITED STATES: 1939-1941

YEAR OF AGE	MORTALITY RATE	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE FUTURE LIFETIME
		Number dying per 1,000 alive at beginning of year of age	Number living at beginning of year of age	Number dying during year of age	In year of age	In year of age and all later years
(1)	(2)	(3)	(4)	(5)	(6)	(7)
$x$ to $x+1$	$1,000q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
0-1	41.52	100,000	4,152	96,549	6,588,801	65.89
1-2	4.89	95,848	469	95,571	6,492,252	67.73
2-3	2.44	95,379	232	95,256	6,396,681	67.07
3-4	1.74	95,147	166	95,061	6,301,425	66.23
4-5	1.40	94,981	133	94,912	6,206,364	65.34
5-6	1.20	94,848	114	94,791	6,111,452	64.43
6-7	1.03	94,734	97	94,685	6,016,661	63.51
7-8	.90	94,637	86	94,594	5,921,976	62.58
8-9	.82	94,551	77	94,513	5,827,382	61.63
9-10	.76	94,474	72	94,438	5,732,869	60.68
10-11	.75	94,402	70	94,367	5,638,431	59.73
11-12	.76	94,332	72	94,296	5,544,064	58.77
12-13	.81	94,260	76	94,222	5,449,768	57.82
13-14	.90	94,184	85	94,141	5,355,546	56.86
14-15	1.04	94,099	99	94,049	5,261,405	55.91
15-16	1.21	94,000	113	93,944	5,167,356	54.97
16-17	1.38	93,887	130	93,822	5,073,412	54.04
17-18	1.53	93,757	143	93,686	4,979,590	53.11
18-19	1.65	93,614	155	93,536	4,885,904	52.19
19-20	1.78	93,459	166	93,377	4,792,368	51.28
20-21	1.90	93,293	177	93,204	4,698,991	50.37
21-22	2.01	93,116	186	93,024	4,605,787	49.46
22-23	2.11	92,930	196	92,831	4,512,763	48.56
23-24	2.19	92,734	203	92,633	4,419,932	47.66
24-25	2.26	92,531	209	92,427	4,327,299	46.77
25-26	2.32	92,322	214	92,214	4,234,872	45.87
26-27	2.39	92,108	221	91,998	4,142,658	44.98
27-28	2.47	91,887	227	91,774	4,050,660	44.08
28-29	2.57	91,660	235	91,542	3,958,886	43.19
29-30	2.66	91,425	243	91,304	3,867,344	42.30
30-31	2.77	91,182	253	91,055	3,776,040	41.41
31-32	2.89	90,929	262	90,798	3,684,985	40.53
32-33	3.01	90,667	274	90,530	3,594,187	39.64
33-34	3.15	90,393	285	90,251	3,503,657	38.76
34-35	3.31	90,108	298	89,959	3,413,406	37.88
35-36	3.47	89,810	311	89,655	3,323,447	37.01
36-37	3.65	89,499	327	89,335	3,233,792	36.13
37-38	3.84	89,172	342	89,001	3,144,457	35.26
38-39	4.05	88,830	360	88,650	3,055,456	34.40
39-40	4.27	88,470	378	88,281	2,966,806	33.53
40-41	4.52	88,092	398	87,893	2,878,525	32.68
41-42	4.79	87,694	420	87,484	2,790,632	31.82
42-43	5.10	87,274	445	87,052	2,703,148	30.97
43-44	5.43	86,829	471	86,593	2,616,096	30.13
44-45	5.80	86,358	502	86,107	2,529,503	29.29
45-46	6.21	85,856	533	85,590	2,443,396	28.46
46-47	6.65	85,323	567	85,040	2,357,806	27.63
47-48	7.12	84,756	604	84,454	2,272,766	26.82
48-49	7.63	84,152	641	83,831	2,188,312	26.00
49-50	8.17	83,511	683	83,169	2,104,481	25.20
50-51	8.76	82,828	725	82,466	2,021,312	24.40
51-52	9.40	82,103	772	81,717	1,938,846	23.61
52-53	10.09	81,331	820	80,921	1,857,129	22.83
53-54	10.85	80,511	874	80,074	1,776,208	22.06
54-55	11.67	79,637	929	79,173	1,696,134	21.30

# LIFE TABLES

TABLE 3.—LIFE TABLE FOR TOTAL FEMALES IN THE UNITED STATES: 1939-1941—Continued

YEAR OF AGE  Period of life between two exact ages stated  (1)	MORTALITY RATE	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE FUTURE LIFETIME
	Number dying per 1,000 alive at beginning of year of age  (2)	Number living at beginning of year of age  (3)	Number dying during year of age  (4)	In year of age  (5)	In year of age and all later years  (6)	Average number of years of life remaining at beginning of year of age  (7)
$x$ to $x+1$	$1,000q_x$	$l_x$	$d_x$	$L_x$	$T_x$	$e_x$
55-56	12.57	78,708	989	78,213	1,616,961	20.54
56-57	13.54	77,719	1,052	77,193	1,538,748	19.80
57-58	14.60	76,667	1,120	76,107	1,461,555	19.06
58-59	15.75	75,547	1,190	74,952	1,385,448	18.34
59-60	17.00	74,357	1,264	73,726	1,310,496	17.62
60-61	18.37	73,093	1,342	72,421	1,236,770	16.92
61-62	19.85	71,751	1,425	71,039	1,164,349	16.23
62-63	21.47	70,326	1,510	69,571	1,093,310	15.55
63-64	23.24	68,816	1,599	68,016	1,023,739	14.88
64-65	25.19	67,217	1,694	66,370	955,723	14.22
65-66	27.36	65,523	1,792	64,627	889,353	13.57
66-67	29.78	63,731	1,899	62,782	824,726	12.94
67-68	32.50	61,832	2,009	60,828	761,944	12.32
68-69	35.54	59,823	2,127	58,759	701,116	11.72
69-70	38.95	57,696	2,247	56,573	642,357	11.13
70-71	42.74	55,449	2,370	54,264	585,784	10.56
71-72	46.96	53,079	2,493	51,833	531,520	10.01
72-73	51.63	50,586	2,612	49,280	479,687	9.48
73-74	56.79	47,974	2,724	46,612	430,407	8.97
74-75	62.43	45,250	2,825	43,838	383,795	8.48
75-76	68.56	42,425	2,909	40,971	339,957	8.01
76-77	75.19	39,516	2,971	38,031	298,986	7.57
77-78	82.33	36,545	3,009	35,041	260,955	7.14
78-79	89.97	33,536	3,017	32,027	225,914	6.74
79-80	98.14	30,519	2,995	29,022	193,887	6.35
80-81	106.87	27,524	2,942	26,053	164,865	5.99
81-82	116.18	24,582	2,856	23,154	138,812	5.65
82-83	126.09	21,726	2,739	20,357	115,658	5.32
83-84	136.62	18,987	2,594	17,690	95,301	5.02
84-85	147.72	16,393	2,421	15,182	77,611	4.73
85-86	159.32	13,972	2,226	12,859	62,429	4.47
86-87	171.38	11,746	2,013	10,739	49,570	4.22
87-88	183.83	9,733	1,790	8,838	38,831	3.99
88-89	196.61	7,943	1,561	7,163	29,993	3.78
89-90	209.67	6,382	1,338	5,712	22,830	3.58
90-91	222.96	5,044	1,125	4,482	17,118	3.39
91-92	236.44	3,919	927	3,456	12,636	3.22
92-93	250.05	2,992	748	2,618	9,180	3.07
93-94	263.53	2,244	591	1,948	6,562	2.92
94-95	276.92	1,653	458	1,424	4,614	2.79
95-96	290.19	1,195	347	1,022	3,190	2.67
96-97	303.27	848	257	720	2,168	2.56
97-98	316.13	591	187	497	1,448	2.45
98-99	328.79	404	133	338	951	2.35
99-100	341.27	271	92	225	613	2.26
100-101	353.68	179	63	147	388	2.17
101-102	366.19	116	43	94	241	2.09
102-103	379.03	73	28	60	147	2.00
103-104	392.49	45	17	36	87	1.92
104-105	406.91	28	12	22	51	1.83
105-106	422.58	16	7	13	29	1.75
106-107	439.78	9	4	8	16	1.67
107-108	458.69	5	2	4	8	1.58
108-109	479.41	3	2	2	4	1.49
109-110	501.93	1	0	1	2	1.41
110-111	526.10	1	1	1	1	1.33

NOTE.—Rates of mortality at ages above 87 are not based on actual statistics at these ages, but have been obtained by mathematical extrapolation from mortality rates younger ages. Other life table functions at these ages are based on the extrapolated rates of mortality, and may not necessarily represent actual conditions.