

Register of Population 1941: Ed. Department of Industry and
Commerce, Statistics Branch, Dublin, 1944, 82-85

TABLE 12:—IRE LIFE TABLE No. 3, 1940-42—MALES.

KEY TO THE NOTATION.

q_x = the rate of mortality or the probability of dying in a year. It is the ratio of the number of deaths in the year of age x to $x+1$ to the number entering on the year.

p_x = the probability of living a year, or the ratio of the number completing the year of age x to $x+1$ to the number entering on the year.

l_x = the number according to the life table surviving to exact age x .

d_x = the deaths in the year of age x to $x+1$ among l_x persons who enter on that year.

L_x = the population according to the life table, or the years of life lived, in the year of age x to $x+1$.

T_x = the population, or the years of life lived, above the moment of age x .

e_x = the complete expectation of life in years, or the total future lifetime which on the average will be passed through by persons aged exactly x .

The following relations hold between these quantities:—

$$p_x = 1 - q_x; l_x - l_{x+1} = d_x; L_x = \frac{1}{2}(l_x + l_{x+1}) \quad (x > 0); T_x = \sum_{y=x}^{\infty} L_y; e_x = T_x / l_x.$$

Age. x	l_x	d_x	p_x	q_x	L_x	T_x	e_x	Age. x
0	100,000	8,147	.91853	.08147	93,800	5,901,314	59.00	0
1	91,853	1,017	.98893	.01107	91,344	5,807,514	63.23	1
2	90,836	479	.99473	.00527	90,596	5,716,170	62.92	2
3	90,357	339	.99625	.00375	90,187	5,625,574	62.26	3
4	90,018	270	.99700	.00300	89,833	5,535,387	61.49	4
5	89,748	242	.99730	.00270	89,627	5,445,504	60.68	5
6	89,506	208	.99768	.00232	89,402	5,355,877	59.84	6
7	89,298	169	.99811	.00189	89,213	5,266,475	58.98	7
8	89,129	135	.99849	.00151	89,061	5,177,262	58.09	8
9	88,994	113	.99873	.00127	88,937	5,088,201	57.17	9
10	88,881	102	.99885	.00115	88,830	4,999,264	56.25	10
11	88,779	101	.99886	.00114	88,728	4,910,434	55.31	11
12	88,678	109	.99877	.00123	88,623	4,821,706	54.37	12
13	88,569	126	.99858	.00142	88,506	4,733,083	53.44	13
14	88,443	146	.99835	.00165	88,370	4,644,577	52.51	14
15	88,297	176	.99801	.00199	88,209	4,556,207	51.60	15
16	88,121	205	.99767	.00233	88,018	4,467,998	50.70	16
17	87,916	235	.99733	.00267	87,798	4,379,180	49.81	17
18	87,681	259	.99705	.00295	87,551	4,291,382	48.94	18
19	87,422	282	.99677	.00323	87,281	4,203,831	48.09	19
20	87,140	304	.99651	.00349	86,988	4,116,550	47.24	20
21	86,836	323	.99628	.00372	86,674	4,029,562	46.40	21
22	86,513	337	.99611	.00389	86,344	3,942,888	45.58	22
23	86,176	342	.99603	.00397	86,005	3,856,544	44.75	23
24	85,834	341	.99603	.00397	85,663	3,770,539	43.93	24
25	85,493	337	.99606	.00394	85,324	3,684,876	43.10	25
26	85,156	334	.99608	.00392	84,989	3,599,552	42.27	26
27	84,822	334	.99606	.00394	84,655	3,514,563	41.43	27
28	84,488	340	.99598	.00402	84,318	3,429,908	40.60	28
29	84,148	348	.99587	.00413	83,974	3,345,590	39.76	29
30	83,800	356	.99575	.00425	83,622	3,261,616	38.92	30
31	83,444	363	.99562	.00438	83,262	3,177,994	38.09	31
32	83,081	374	.99550	.00450	82,894	3,094,732	37.25	32
33	82,707	380	.99540	.00460	82,517	3,011,838	36.42	33
34	82,327	386	.99531	.00469	82,134	2,929,321	35.58	34
35	81,941	393	.99520	.00480	81,744	2,847,187	34.75	35
36	81,548	399	.99511	.00489	81,348	2,765,443	33.91	36
37	81,149	409	.99496	.00504	80,944	2,684,095	33.08	37
38	80,740	421	.99479	.00521	80,529	2,603,151	32.24	38
39	80,310	433	.99461	.00539	80,102	2,522,622	31.41	39
40	79,886	447	.99440	.00560	79,662	2,442,520	30.58	40
41	79,439	466	.99414	.00586	79,206	2,362,858	29.74	41
42	78,973	490	.99380	.00620	78,728	2,283,552	28.92	42
43	78,483	517	.99341	.00659	78,224	2,204,924	28.09	43
44	77,966	550	.99295	.00705	77,691	2,126,700	27.28	44

TABLE 13 (contd.):—ÉIRE LIFE TABLE No. 3, 1940-42—MALES.

Age x	l_x	d_x	p_x	q_x	L_x	T_x	e_x	Age x
45	77,416	585	·99244	·00756	77,123	2,049,009	26·47	45
46	76,831	624	·99188	·00812	76,519	1,971,886	25·67	46
47	76,207	662	·99130	·00870	75,876	1,895,367	24·87	47
48	75,545	702	·99071	·00929	75,194	1,819,491	24·08	48
49	74,843	740	·99011	·00989	74,473	1,744,297	23·31	49
50	74,103	781	·98946	·01054	73,712	1,669,824	22·53	50
51	73,322	827	·98872	·01128	72,908	1,596,112	21·77	51
52	72,495	882	·98784	·01216	72,054	1,523,204	21·01	52
53	71,613	940	·98686	·01314	71,143	1,451,150	20·26	53
54	70,673	1,006	·98577	·01423	70,170	1,380,007	19·53	54
55	69,667	1,075	·98457	·01543	69,129	1,309,837	18·80	55
56	68,592	1,149	·98325	·01675	68,017	1,240,708	18·09	56
57	67,443	1,229	·98178	·01822	66,828	1,172,691	17·39	57
58	66,214	1,312	·98018	·01982	65,558	1,105,863	16·70	58
59	64,902	1,398	·97846	·02154	64,203	1,040,305	16·03	59
60	63,504	1,487	·97659	·02341	62,760	976,102	15·37	60
61	62,017	1,580	·97453	·02547	61,227	913,342	14·73	61
62	60,437	1,677	·97225	·02775	59,598	852,115	14·10	62
63	58,760	1,769	·96990	·03010	57,875	792,517	13·49	63
64	56,991	1,852	·96750	·03250	56,065	734,642	12·89	64
65	55,139	1,932	·96496	·03504	54,173	678,577	12·31	65
66	53,207	2,015	·96212	·03788	52,199	624,404	11·74	66
67	51,192	2,099	·95899	·04101	50,142	572,205	11·18	67
68	49,093	2,183	·95554	·04446	48,001	522,063	10·63	68
69	46,910	2,266	·95170	·04830	45,777	474,062	10·11	69
70	44,644	2,347	·94743	·05257	43,470	428,285	9·60	70
71	42,297	2,430	·94256	·05744	41,082	384,815	9·10	71
72	39,867	2,512	·93700	·06300	38,611	343,733	8·62	72
73	37,355	2,582	·93087	·06913	36,064	305,122	8·17	73
74	34,773	2,638	·92415	·07585	33,454	269,058	7·74	74
75	32,135	2,670	·91691	·08309	30,800	235,604	7·33	75
76	29,465	2,674	·90925	·09075	28,128	204,804	6·95	76
77	26,791	2,646	·90125	·09875	25,468	176,676	6·59	77
78	24,145	2,583	·89303	·10697	22,852	151,208	6·26	78
79	21,562	2,485	·88473	·11527	20,319	128,355	5·95	79
80	19,077	2,356	·87648	·12352	17,899	108,036	5·66	80
81	16,721	2,203	·86824	·13176	15,619	90,137	5·39	81
82	14,518	2,036	·85977	·14023	13,500	74,518	5·13	82
83	12,482	1,859	·85106	·14894	11,552	61,018	4·89	83
84	10,623	1,677	·84214	·15786	9,784	49,466	4·66	84
85	8,946	1,494	·83297	·16703	8,199	39,682	4·44	85
86	7,452	1,389	·82357	·17643	6,757	31,483	4·22	86
87	6,063	1,128	·81394	·18606	5,499	24,726	4·08	87
88	4,935	967	·80407	·19593	4,451	19,227	3·90	88
89	3,968	817·7	·79395	·20605	3,559·1	14,776	3·72	89
90	3,150·3	681·3	·78359	·21641	2,809·6	11,217	3·56	90
91	2,469·0	560·0	·77300	·22700	2,189·0	8,407·3	3·41	91
92	1,909·0	454·0	·76216	·23784	1,682·0	6,218·3	3·26	92
93	1,455·0	362·0	·75108	·24892	1,274·0	4,536·3	3·12	93
94	1,093·0	284·0	·73977	·26023	951·0	3,262·3	2·98	94
95	809·0	219·0	·72820	·27180	699·0	2,311·3	2·86	95
96	589·1	167·1	·71641	·28359	505·5	1,612·3	2·74	96
97	422·0	124·8	·70437	·29563	359·6	1,106·8	2·62	97
98	297·2	91·5	·69211	·30789	251·4	747·2	2·51	98
99	205·7	65·9	·67961	·32039	172·7	495·8	2·41	99
100	139·8	46·6	·66689	·33311	116·5	223·1	2·31	100

TABLE 13 (contd.) :—ÉIRE LIFE TABLE No. 3, 1940-42—FEMALES.

Note: See Page 62 for Key to Notation.

Age x	l_x	d_x	p_x	q_x	L_x	T_x	e_x	Age x
0	100,000	6,387	.93613	.06387	95,198	6,101,610	61.02	0
1	93,613	843	.99100	.00900	93,191	6,006,412	64.16	1
2	92,770	426	.99541	.00459	92,557	5,913,221	63.74	2
3	92,344	320	.99653	.00347	92,184	5,820,664	63.03	3
4	92,024	267	.99710	.00290	91,890	5,728,480	62.25	4
5	91,757	218	.99762	.00238	91,448	5,636,590	61.43	5
6	91,539	175	.99809	.00191	91,451	5,545,142	60.58	6
7	91,364	140	.99847	.00153	91,294	5,453,691	59.69	7
8	91,224	130	.99858	.00142	91,159	5,362,397	58.78	8
9	91,094	118	.99871	.00129	91,035	5,271,238	57.87	9
10	90,976	114	.99875	.00125	90,919	5,180,203	56.94	10
11	90,862	119	.99869	.00131	90,802	5,089,284	56.01	11
12	90,743	130	.99857	.00143	90,678	4,998,482	55.08	12
13	90,613	146	.99839	.00161	90,540	4,907,804	54.16	13
14	90,467	166	.99816	.00184	90,384	4,817,264	53.25	14
15	90,301	191	.99789	.00211	90,205	4,726,880	52.35	15
16	90,110	215	.99761	.00239	90,002	4,636,675	51.46	16
17	89,895	253	.99719	.00281	89,768	4,546,672	50.58	17
18	89,642	280	.99688	.00312	89,502	4,456,905	49.72	18
19	89,362	307	.99656	.00344	89,208	4,367,403	48.87	19
20	89,055	334	.99625	.00375	88,888	4,278,195	48.04	20
21	88,721	357	.99598	.00402	88,542	4,189,307	47.22	21
22	88,364	373	.99578	.00422	88,177	4,100,765	46.41	22
23	87,991	379	.99569	.00431	87,801	4,012,588	45.60	23
24	87,612	379	.99567	.00433	87,422	3,924,787	44.80	24
25	87,233	375	.99570	.00430	87,045	3,837,365	43.99	25
26	86,858	370	.99574	.00426	86,673	3,750,320	43.18	26
27	86,488	370	.99572	.00428	86,303	3,663,647	42.36	27
28	86,118	373	.99567	.00433	85,931	3,577,344	41.54	28
29	85,745	371	.99560	.00440	85,550	3,491,413	40.72	29
30	85,374	382	.99552	.00448	85,183	3,405,854	39.89	30
31	84,992	388	.99544	.00456	84,798	3,320,671	39.07	31
32	84,604	393	.99536	.00464	84,407	3,235,873	38.25	32
33	84,211	397	.99529	.00471	84,012	3,151,466	37.42	33
34	83,814	399	.99524	.00476	83,614	3,067,454	36.60	34
35	83,415	401	.99519	.00481	83,214	2,983,840	35.77	35
36	83,014	407	.99510	.00490	82,810	2,900,626	34.94	36
37	82,607	416	.99496	.00504	82,399	2,817,816	34.11	37
38	82,191	431	.99476	.00524	81,975	2,735,417	33.28	38
39	81,760	448	.99452	.00548	81,536	2,653,442	32.45	39
40	81,312	468	.99424	.00576	81,078	2,571,906	31.63	40
41	80,844	488	.99396	.00604	80,600	2,490,828	30.81	41
42	80,356	506	.99370	.00630	80,103	2,410,228	29.99	42
43	79,850	519	.99350	.00650	79,590	2,330,125	29.18	43
44	79,331	528	.99335	.00665	79,067	2,250,535	28.37	44
45	78,803	537	.99318	.00682	78,534	2,171,468	27.56	45
46	78,268	554	.99292	.00708	77,989	2,092,934	26.74	46
47	77,712	584	.99218	.00752	77,420	2,014,945	25.93	47
48	77,128	631	.99182	.00818	76,812	1,937,525	25.12	48
49	76,497	691	.99097	.00903	76,151	1,860,713	24.32	49
50	75,800	756	.99003	.00997	75,428	1,784,562	23.54	50
51	75,050	822	.98905	.01095	74,639	1,709,134	22.77	51
52	74,228	881	.98813	.01187	73,787	1,634,495	22.02	52
53	73,347	928	.98735	.01265	72,883	1,560,708	21.28	53
54	72,419	987	.98665	.01335	71,935	1,487,825	20.54	54

TABLE 13 (contd.):—ÉIRE LIFE TABLE No. 3, 1940-42—FEMALES.

Age x	l_x	d_x	p_x	q_x	L_x	T_x	e_x	Age x
55	71,452	1,007	·98591	·01409	70,948	1,415,890	19·82	55
56	70,445	1,056	·98501	·01499	69,917	1,344,942	19·09	56
57	69,389	1,121	·98385	·01615	68,823	1,275,025	18·38	57
58	68,268	1,210	·98227	·01773	67,663	1,206,197	17·67	58
59	67,058	1,312	·98044	·01956	66,402	1,138,534	16·98	59
60	65,746	1,421	·97838	·02162	65,035	1,072,132	16·31	60
61	64,325	1,508	·97656	·02344	63,571	1,007,097	15·66	61
62	62,817	1,592	·97466	·02534	62,021	943,526	15·02	62
63	61,225	1,674	·97266	·02734	60,388	881,505	14·40	63
64	59,551	1,753	·97056	·02944	58,674	821,117	13·79	64
65	57,798	1,838	·96820	·03180	56,879	762,443	13·19	65
66	55,960	1,921	·96568	·03432	54,999	705,564	12·61	66
67	54,039	2,004	·96291	·03709	53,037	650,565	12·04	67
68	52,035	2,089	·95985	·04015	50,990	597,528	11·48	68
69	49,946	2,175	·95646	·04354	48,858	546,638	10·94	69
70	47,771	2,261	·95268	·04732	46,640	497,680	10·42	70
71	45,510	2,350	·94838	·05162	44,335	451,040	9·91	71
72	43,160	2,439	·94348	·05652	41,940	406,705	9·42	72
73	40,721	2,523	·93804	·06196	39,459	364,765	8·96	73
74	38,198	2,593	·93211	·06789	36,901	325,306	8·52	74
75	35,605	2,643	·92577	·07423	34,283	288,405	8·10	75
76	32,962	2,668	·91907	·08093	31,628	254,122	7·71	76
77	30,204	2,662	·91212	·08788	28,963	222,494	7·34	77
78	27,632	2,626	·90497	·09503	26,319	193,531	7·00	78
79	25,006	2,553	·89789	·10211	23,729	167,212	6·69	79
80	22,453	2,450	·89088	·10912	21,228	143,483	6·39	80
81	20,003	2,321	·88395	·11605	18,842	122,255	6·11	81
82	17,682	2,177	·87688	·12312	16,593	103,413	5·85	82
83	15,505	2,021	·86967	·13033	14,494	86,820	5·60	83
84	13,484	1,857	·86231	·13769	12,555	72,326	5·36	84
85	11,627	1,687	·85489	·14511	10,783	59,771	5·14	85
86	9,940	1,519	·84716	·15284	9,180	48,988	4·93	86
87	8,421	1,353	·83936	·16064	7,744	39,808	4·73	87
88	7,068	1,192	·83141	·16859	6,472	32,064	4·54	88
89	5,876	1,038	·82332	·17668	5,357	25,592	4·36	89
90	4,838	894·7	·81507	·18493	4,390·6	20,235·2	4·18	90
91	3,943·3	761·9	·80678	·19322	3,562·3	15,844·6	4·02	91
92	3,181·4	642·3	·79812	·20188	2,860·2	12,282·3	3·86	92
93	2,539·1	534·7	·78942	·21058	2,271·7	9,422·1	3·71	93
94	2,004·4	439·7	·78061	·21939	1,784·5	7,150·4	3·57	94
95	1,564·7	357·4	·77161	·22839	1,386·0	5,365·9	3·43	95
96	1,207·3	286·8	·76246	·23754	1,063·9	3,979·9	3·30	96
97	920·5	227·3	·75317	·24683	806·9	2,916·0	3·17	97
98	693·2	177·6	·74373	·25627	604·4	2,109·1	3·04	98
99	515·6	137·1	·73415	·26585	447·1	1,504·7	2·92	99
100	378·5	108·0	·72441	·27559	324·8	1,057·6	2·78	100