Census of Population of Ireland 1936, Vol.V, Part 1: Ed. Department of Industry and Commerce, Statistics Branch, Dublin, 1939, 218-221

TABLE 22:—LIFE TABLE No. 2, 1935-37—MALES.

(For explanation of calculation *see* Memorandum on p. 222).

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 lx 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.

$\mathring{e}_x$ = 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 :—

$$p_x = 1 - q_x\ ;\ l_x - l_{x+1} = d_x\ ;\ L_x = \tfrac{1}{2}(l_x + l_{x+1})\ (x > 0)\ ,\ T_x = \sum_{y \geq x} L_y\ ;\ \mathring{e}_x = T_x / l_x.$$

Age. x	l_x	d_x	p_x	q_x	L_x	T_x	$\mathring{e}_x$	Age. x
0	100,000	7,952	·92048	·07952	94,123	5,820,029	58·20	0
1	92,048	1,307	·98580	·01420	91,394	5,725,906	62·21	1
2	90,741	705	·99223	·00777	90,389	5,634,512	62·09	2
3	90,036	420	·99533	·00467	89,826	5,544,123	61·58	3
4	89,616	365	·99593	·00407	89,433	5,454,297	60·86	4
5	89,251	296	·99668	·00332	89,103	5,364,864	60·11	5
6	88,955	230	·99741	·00259	88,840	5,275,761	59·31	6
7	88,725	177	·99800	·00200	88,637	5,186,921	58·46	7
8	88,548	141	·99841	·00159	88,477	5,098,284	57·58	8
9	88,407	122	·99862	·00138	88,346	5,009,807	56·67	9
10	88,285	118	·99866	·00134	88,226	4,921,461	55·75	10
11	88,167	127	·99856	·00144	88,104	4,833,235	54·82	11
12	88,040	143	·99838	·00162	87,968	4,745,131	53·90	12
13	87,897	162	·99816	·00184	87,816	4,657,163	52·98	13
14	87,735	180	·99795	·00205	87,645	4,569,347	52·08	14
15	87,555	195	·99777	·00223	87,458	4,481,702	51·19	15
16	87,360	208	·99762	·00238	87,256	4,394,244	50·30	16
17	87,152	222	·99745	·00255	87,041	4,306,988	49·42	17
18	86,930	246	·99717	·00283	86,807	4,219,947	48·54	18
19	86,684	273	·99685	·00315	86,547	4,133,140	47·68	19
20	86,411	302	·99651	·00349	86,260	4,046,593	46·83	20
21	86,109	325	·99622	·00378	85,947	3,960,333	45·99	21
22	85,784	342	·99601	·00399	85,613	3,874,386	45·16	22
23	85,442	349	·99592	·00408	85,267	3,788,773	44·34	23
24	85,093	347	·99592	·00408	84,920	3,703,506	43·52	24
25	84,746	343	·99596	·00404	84,575	3,618,586	42·70	25
26	84,404	338	·99599	·00401	84,235	3,534,011	41·87	26
27	84,066	340	·99596	·00404	83,896	3,449,776	41·04	27
28	83,726	345	·99588	·00412	83,553	3,365,880	40·20	28
29	83,381	354	·99576	·00424	83,204	3,282,327	39·37	29
30	83,027	364	·99562	·00438	82,845	3,199,123	38·53	30
31	82,663	374	·99548	·00452	82,476	3,116,278	37·70	31
32	82,289	383	·99534	·00466	82,098	3,033,802	36·87	32
33	81,906	392	·99521	·00479	81,710	2,951,704	36·04	33
34	81,514	401	·99508	·00492	81,313	2,869,994	35·21	34
35	81,113	410	·99494	·00506	80,908	2,788,681	34·38	35
36	80,703	422	·99477	·00523	80,492	2,707,773	33·55	36
37	80,281	434	·99459	·00541	80,064	2,627,281	32·73	37
38	79,847	450	·99436	·00564	79,622	2,547,217	31·90	38
39	79,397	468	·99410	·00590	79,163	2,467,595	31·08	39
40	78,929	490	99379	·00621	78,684	2,388,432	30·26	40
41	78,439	516	·99342	00658	78,181	2,309,748	29·45	41
42	77,923	544	·99302	·00698	77,651	2,231,567	28·64	42
43	77,379	573	·99260	·00740	77,093	2,153,916	27·84	43
44	76,806	603	·99215	·00785	76,504	2,076,823	27·04	44

TABLE 22 (contd.):—LIFE TABLE No. 2, 1935-37—**MALES.**

Age. x	l_x	d_x	p_x	q_x	L_x	T_x	$\mathring{e}_x$	Age. x
45	76,203	636	·99165	·00835	75,885	2,000,319	26·25	45
46	75,567	673	·99110	·00890	75,231	1,924,434	25·47	46
47	74,894	712	·99049	·00951	74,538	1,849,203	24·69	47
48	74,182	755	·98982	·01018	73,804	1,774,665	23·92	48
49	73,427	803	·98907	·01093	73,026	1,700,861	23·16	49
50	72,624	853	·98825	·01175	72,197	1,627,835	22·41	50
51	71,771	906	·98738	·01262	71,318	1,555,638	21·68	51
52	70.865	957	·98649	·01351	70,387	1,484,320	20·95	52
53	69,908	1,009	·98557	·01443	69,403	1,413,933	20 23	53
54	68,899	1,062	·98458	·01542	68,368	1,344,530	19 51	54
55	67,837	1,119	·98351	·01649	67,278	1,276,162	18·81	55
56	66,718	1,179	·98233	·01767	66,128	1,208,884	18·12	56
57	65,539	1,245	·98101	·01899	64,917	1,142,756	17·44	57
58	64,294	1,317	·97952	·02048	63,635	1,077,839	16·76	58
59	62,977	1,396	·97784	·02216	62,279	1,014,204	16·10	59
60	61,581	1,482	·97593	·02407	60,840	951,925	15·46	60
61	60,099	1,576	·97377	·02623	59,311	891,085	14·83	61
62	58,523	1,676	·97137	·02863	57,685	831,774	14·21	62
63	56,847	1,776	·96875	·03125	55,959	774,089	13·62	63
64	55,071	1,878	·96590	·03410	54,132	718,130	13·04	64
65	53,193	1,977	·96284	·03716	52,205	663,998	12·48	65
66	51,216	2,070	·95958	·04042	50,181	611,793	11 95	66
67	49,146	2,155	·95615	·04385	48,068	561,612	11·43	67
68	46,991	2,230	·95254	·04746	45,876	513,544	10·93	68
69	44,761	2,292	·94879	·05121	43,615	467,668	10·45	69
70	42,469	2,340	·94490	·05510	41,299	424,053	9·99	70
71	40,129	2,370	·94095	·05905	38,944	382,754	9·54	71
72	37,759	2,381	·93693	·06307	36,569	343,810	9·11	72
73	35,378	2,378	·93279	·06721	34,189	307,241	8 68	73
74	33,000	2,361	·92846	·07154	31,819	273,052	8 27	74
75	30,639	2,333	·92387	·07613	29,473	241,233	7·87	75
76	28,306	2,295	·91892	·08108	27,158	211,760	7·48	76
77	26,011	2,249	·91354	·08646	24,887	184,602	7·10	77
78	23,762	2,195	·90762	·09238	22,664	159,715	6·72	78
79	21,567	2,134	·90104	·09896	20,500	137,051	6 35	79
80	19,433	2,066	·89368	·10632	18,400	116,551	6·00	80
81	17,367	1,989	·88548	·11452	16,372	98,151	5·65	81
82	15,378	1,899	·87651	·12349	14,428	81,779	5·32	82
82	13,479	1,796	·86672	·13328	12,581	67,351	5·00	83
84	11,683	1,682	·85603	·14397	10,842	54,770	4 69	84
85	10,001	1,556	·84439	·15561	9,223	43,928	4 39	85
86	8,445	1,421	·83173	·16827	7,735	34,705	4·11	86
87	7,024	1,279	·81797	·18203	6,384	26,970	3·84	87
88	5,745	1,131	·80305	·19695	5,180	20,586	3 58	88
89	4,614	983·3	·78689	·21311	4,122 3	15,406	3 34	89
90	3,630·7	837·1	·76943	23057	3,212·2	11,284 1	3 11	90
91	2,793·6	696·7	·75061	·24939	2,445 2	8,071 9	2·89	91
92	2,096·9	565·4	·73037	·26963	1,814·2	5,626 7	2 68	92
93	1,531·5	446·2	·70866	·29134	1,308·4	3,812·5	2·49	93
94	1,085 3	341·4	·68544	·31456	914·6	2,504·1	2·31	94
95	743·9	252·4	·66070	·33930	617 7	1,589·5	2 14	95
96	491·5	179·7	·63442	·36558	401·7	971·8	1·98	96
97	311·8	122·7	·60662	·39338	250·4	570·1	1·83	97
98	189·1	79 9	·57735	·42265	149·2	319·7	1·69	98
99	109·2	49 5	·54668	·45332	84·4	170·5	1·56	99
100	59·7	29·0	·51471	·48529	45·2	86 1	1·44	100
101	30·7	15·9	·48158	·51842	22·8	40 9	1·33	101
102	14·8	8·2	·44749	·55251	10·7	18·1	1·22	102
103	6·6	3·9	·41265	·58735	4·6	7·4	1·12	103
104	2·7	1·7	·37734	·62266	1·9	2·8	1·04	104
105	1·0	0·7	·34185	·65815	0·6	0·9	0·90	105

TABLE 22 (contd.):—LIFE TABLE No. 2, 1935-37—**FEMALES.**

Note: See page 218 for Key to Notation.

Age. x	l_x	d_x	p_x	q_x	L_x	T_x	$\mathring{e}_x$	Age. x
0	100,000	6,327	·93673	·06327	95,362	5,961,563	59·62	0
1	93,673	1,226	·98691	·01309	93,060	5,866,201	62·62	1
2	92,447	607	·99343	·00657	92,144	5,773,141	62·45	2
3	91,840	462	·99497	·00503	91,609	5,680,997	61·86	3
4	91,378	347	·99620	·00380	91,204	5,589,388	61·17	4
5	91,031	276	·99697	·00303	90,893	5,498,184	60·40	5
6	90,755	232	·99744	·00256	90,639	5,407,291	59·58	6
7	90,523	205	·99773	·00227	90,421	5,316,652	58·73	7
8	90,318	190	·99790	·00210	90,223	5,226,231	57·86	8
9	90,128	176	·99805	·00195	90,040	5,136,008	56·99	9
10	89,952	166	·99815	·00185	89,869	5,045,968	56·10	10
11	89,786	161	·99821	·00179	89,705	4,956,099	55·20	11
12	89,625	159	·99823	·00177	89,546	4,866,394	54·30	12
13	89,466	162	·99819	·00181	89,385	4,776,848	53·39	13
14	89,304	173	·99806	·00194	89,217	4,687,463	52·49	14
15	89,131	192	·99785	·00215	89,035	4,598,246	51·59	15
16	88,939	215	·99758	·00242	88,832	4,509,211	50·70	16
17	88,724	243	·99726	·00274	88,602	4,420,379	49·82	17
18	88,481	267	·99698	·00302	88,348	4,331,777	48·96	18
19	88,214	296	·99665	·00335	88,066	4,243,429	48·10	19
20	87,918	324	·99631	·00369	87,756	4,155,363	47·26	20
21	87,594	351	·99599	·00401	87,418	4,067,607	46·44	21
22	87,243	372	·99574	·00426	87,057	3,980,189	45·62	22
23	86,871	387	·99555	·00445	86,678	3,893,132	44·82	23
24	86,484	395	·99543	·00457	86,286	3,806,454	44·01	24
25	86,089	402	·99533	·00467	85,888	3,720,168	43·21	25
26	85,687	408	·99524	·00476	85,483	3,634,280	42·41	26
27	85,279	414	·99515	·00485	85,072	3,548,797	41·61	27
28	84,865	421	·99504	·00496	84,655	3,463,725	40·81	28
29	84,444	427	·99494	·00506	84,230	3,379,070	40·02	29
30	84,017	434	99484	·00516	83,800	3,294,840	39·22	30
31	83,583	439	·99475	·00525	83,364	3,211,040	38·42	31
32	83,144	444	99466	·00534	82,922	3,127,676	37·62	32
33	82,700	448	99458	·00542	82,476	3,044,754	36·82	33
34	82,252	452	·99451	·00549	82,026	2,962,278	36·01	34
35	81,800	456	·99443	·00557	81,572	2,880,252	35·21	35
36	81,344	460	·99434	·00566	81,114	2,798,680	34·41	36
37	80,884	468	·99422	·00578	80,650	2,717,566	33·60	37
38	80,416	475	·99409	·00591	80,178	2,636,916	32·79	38
39	79,941	487	·99391	·00609	79,698	2,556,738	31·98	39
40	79,454	501	·99370	·00630	79,203	2,477,040	31·18	40
41	78,953	519	·99343	·00657	78,694	2,397,837	30·37	41
42	78,434	536	·99317	·00683	78,166	2,319,143	29·57	42
43	77,898	555	·99288	·00712	77,620	2,240,977	28·77	43
44	77,343	575	·99257	·00743	77,056	2,163,357	27·97	44
45	76,768	597	·99222	00778	76,469	2,086,301	27·18	45
46	76,171	623	·99182	·00818	75,860	2,009,832	26·39	46
47	75,548	653	·99135	·00865	75,221	1,933,972	25·60	47
48	74,895	688	·99082	·00918	74,551	1,858,751	24·82	48
49	74,207	728	·99019	·00981	73,843	1,784,200	24·04	49
50	73,479	771	·98947	·01053	73,092	1,710,357	23·28	50
51	72,705	824	·98867	·01133	72,293	1,637,265	22·52	51
52	71,881	874	·98784	·01216	71,444	1,564,972	21·77	52
53	71,007	927	·98695	·01305	70,544	1,493,528	21·03	53
54	70,080	983	·98598	·01402	69,588	1,422,984	20·31	54

TABLE 22 (contd.):—LIFE TABLE No. 2, 1935-37—**FEMALES.**

Age. x	l_x	d_x	p_x	q_x	L_x	T_x	$\mathring{e}_x$	Age x
55	69,097	1,041	·98493	·01507	68,577	1,353,396	19·59	55
56	68,056	1,105	·98376	·01624	67,503	1,284,819	18·88	56
57	66,951	1,174	·98247	·01753	66,364	1,217,316	18·18	57
58	65,777	1,248	·98103	·01897	65,153	1,150,952	17·50	58
59	64,529	1,328	·97942	·02058	63,865	1,085,799	16·83	59
60	63,201	1,414	·97762	·02238	62,494	1,021,934	16 17	60
61	61,787	1,507	·97561	·02439	61,034	959,440	15·53	61
62	60,280	1,605	·97337	·02663	59,477	898,406	14·90	62
63	58,675	1,706	·97093	·02907	57,822	838,929	14·30	63
64	56,969	1,806	·96830	·03170	56,066	781,107	13·71	64
65	55,163	1,904	·96548	·03452	54,211	725,041	13·14	65
66	53,259	1,998	·96249	·03751	52,260	670,830	12·60	66
67	51,261	2,084	·95934	·04066	50,219	618,570	12·07	67
68	49,177	2,162	·95604	·04396	48,096	568,351	11·56	68
69	47,015	2,228	·95262	·04738	45,901	520,255	11·07	69
70	44,787	2,280	·94910	·05090	43,647	474,354	10·59	70
71	42,507	2,315	·94553	·05447	41,350	430,707	10·13	71
72	40,192	2,334	·94194	·05806	39,025	389,357	9·69	72
73	37,858	2,337	·93826	·06174	36,689	350,332	9·25	73
74	35,521	2,329	·93443	06557	34,357	313,643	8 83	74
75	33,192	2,311	·93037	·06963	32,036	279,286	8·41	75
76	30,881	2,285	·92600	·07400	29,739	247,250	8·01	76
77	28,596	2,253	·92123	·07877	27,469	217,511	7·61	77
78	26,343	2,214	·91595	·08405	25,236	190,042	7·21	78
79	24,129	2,170	·91006	·08994	23,044	164,806	6·83	79
80	21,959	2,121	·90343	·09657	20,899	141,762	6·46	80
81	19,838	2,062	·89607	·10393	18,807	120,863	6·09	81
82	17,776	1,991	·88801	·11199	16,780	102,056	5·74	82
83	15,785	1,907	·87919	·12081	14,832	85,276	5·40	83
84	13,878	1,810	·86955	·13045	12,973	70,444	5·08	84
85	12,068	1,701	·85903	·14097	11,217	57,471	4·76	85
86	10,367	1,580	·84755	·15245	9,577	46,254	4·46	86
87	8,787	1,449	·83506	·16494	8,063	36,677	4·17	87
88	7,338	1,310	·82147	·17853	6,683	28,614	3·90	88
89	6,028	1,165	·80672	·19328	5,445	21,931	3 64	89
90	4,863	1,017·7	·79073	·20927	4,354 2	16,486·1	3 39	90
91	3,845·3	871·2	·77345	·22655	3,409·7	12,131·9	3·15	91
92	2,974·1	729·3	·75479	·24521	2,609·4	8,722·2	2·93	92
93	2,244·8	595·5	·73471	·26529	1,947·1	6,112·8	2·72	93
94	1,649·3	473 1	·71315	·28685	1,412·7	4,165·7	2·53	94
95	1,176·2	364·5	·69007	·30993	994·0	2,753·0	2·34	95
96	811·7	271·6	·66545	·33455	675·9	1,759·0	2·17	96
97	540·1	194·8	·63928	·36072	442·7	1,083·1	2·01	97
98	345·3	134·1	·61156	·38844	278·2	640·4	1·85	98
99	211·2	88·2	·58234	·41766	167 1	362·2	1·71	99
100	123·0	55·1	·55169	·44831	95·5	195·1	1·59	100
101	67·9	32·6	·51971	·48029	51·6	99·6	1·47	101
102	35·3	18·1	·48653	·51347	26·2	48·0	1·36	102
103	17·2	9·4	·45235	·54765	12·5	21·8	1·27	103
104	7·8	4·5	·41737	·58263	5·6	9·3	1·19	104
105	3·3	2·0	·38188	·61812	2·3	3·7	1·12	105