

Central Statistics Office: Irish Life Table; downloaded from: www.cso.ie (08.11.2016).

Table 1 Irish Life Table No. 16, male period life expectancy by age, 2010 - 2012

Age x^1	l_x^1	d_x^1	p_x^1	q_x^1	L_x^1	T_x^1	$e_x^{0,1,2}$	Age x
0	100,000	379	0.9962099	0.00379014	99,810	7,837,042	78.37	0
1	99,621	35	0.9996508	0.00034918	99,604	7,737,231	77.67	1
2	99,586	11	0.9998916	0.00010843	99,581	7,637,627	76.69	2
3	99,575	7	0.9999264	0.00007365	99,572	7,538,047	75.70	3
4	99,568	8	0.9999177	0.00008227	99,564	7,438,475	74.71	4
5	99,560	10	0.9998974	0.00010263	99,555	7,338,911	73.71	5
6	99,550	11	0.9998880	0.00011196	99,544	7,239,356	72.72	6
7	99,539	11	0.9998914	0.00010860	99,533	7,139,812	71.73	7
8	99,528	10	0.9999019	0.00009812	99,523	7,040,279	70.74	8
9	99,518	9	0.9999135	0.00008653	99,514	6,940,756	69.74	9
10	99,509	8	0.9999220	0.00007805	99,505	6,841,243	68.75	10
11	99,502	8	0.9999246	0.00007543	99,498	6,741,737	67.76	11
12	99,494	8	0.9999181	0.00008186	99,490	6,642,239	66.76	12
13	99,486	10	0.9998955	0.00010451	99,481	6,542,749	65.77	13
14	99,476	16	0.9998435	0.00015650	99,468	6,443,269	64.77	14
15	99,460	23	0.9997670	0.00023301	99,448	6,343,801	63.78	15
16	99,437	33	0.9996713	0.00032866	99,420	6,244,353	62.80	16
17	99,404	44	0.9995598	0.00044020	99,382	6,144,932	61.82	17
18	99,360	56	0.9994389	0.00056113	99,332	6,045,550	60.84	18
19	99,305	68	0.9993177	0.00068233	99,271	5,946,217	59.88	19
20	99,237	79	0.9992067	0.00079329	99,197	5,846,947	58.92	20
21	99,158	88	0.9991161	0.00088386	99,114	5,747,749	57.97	21
22	99,070	94	0.9990541	0.00094587	99,024	5,648,635	57.02	22
23	98,977	96	0.9990255	0.00097449	98,929	5,549,611	56.07	23
24	98,880	96	0.9990312	0.00096877	98,832	5,450,683	55.12	24
25	98,785	92	0.9990686	0.00093142	98,738	5,351,850	54.18	25
26	98,692	86	0.9991319	0.00086807	98,650	5,253,112	53.23	26
27	98,607	79	0.9992012	0.00079885	98,567	5,154,462	52.27	27
28	98,528	76	0.9992251	0.00077489	98,490	5,055,895	51.31	28
29	98,452	78	0.9992044	0.00079558	98,413	4,957,405	50.35	29
30	98,373	81	0.9991724	0.00082761	98,333	4,858,992	49.39	30
31	98,292	85	0.9991367	0.00086332	98,250	4,760,660	48.43	31
32	98,207	89	0.9990970	0.00090302	98,163	4,662,410	47.48	32

33	98,118	93	0.9990529	0.00094708	98,072	4,564,248	46.52	33
34	98,025	98	0.9990041	0.00099589	97,977	4,466,176	45.56	34
35	97,928	103	0.9989501	0.00104990	97,876	4,368,199	44.61	35
36	97,825	109	0.9988904	0.00110961	97,771	4,270,322	43.65	36
37	97,717	115	0.9988244	0.00117560	97,659	4,172,552	42.70	37
38	97,602	122	0.9987515	0.00124849	97,541	4,074,893	41.75	38
39	97,480	130	0.9986710	0.00132901	97,415	3,977,352	40.80	39
40	97,350	138	0.9985820	0.00141796	97,281	3,879,937	39.86	40
41	97,212	147	0.9984838	0.00151623	97,138	3,782,656	38.91	41
42	97,065	158	0.9983752	0.00162485	96,986	3,685,517	37.97	42
43	96,907	169	0.9982551	0.00174493	96,823	3,588,531	37.03	43
44	96,738	182	0.9981222	0.00187776	96,647	3,491,709	36.09	44
45	96,556	196	0.9979752	0.00202476	96,459	3,395,062	35.16	45
46	96,361	211	0.9978125	0.00218754	96,255	3,298,603	34.23	46
47	96,150	228	0.9976321	0.00236788	96,036	3,202,348	33.31	47
48	95,922	246	0.9974322	0.00256781	95,799	3,106,311	32.38	48
49	95,676	267	0.9972104	0.00278959	95,543	3,010,512	31.47	49
50	95,409	290	0.9969642	0.00303577	95,264	2,914,970	30.55	50
51	95,120	315	0.9966908	0.00330920	94,962	2,819,705	29.64	51
52	94,805	343	0.9963869	0.00361308	94,633	2,724,743	28.74	52
53	94,462	373	0.9960490	0.00395103	94,276	2,630,110	27.84	53
54	94,089	407	0.9956729	0.00432707	93,885	2,535,834	26.95	54
55	93,682	445	0.9952542	0.00474576	93,460	2,441,949	26.07	55
56	93,237	486	0.9947878	0.00521218	92,994	2,348,489	25.19	56
57	92,751	532	0.9942679	0.00573206	92,485	2,255,495	24.32	57
58	92,220	582	0.9936882	0.00631181	91,929	2,163,009	23.45	58
59	91,638	638	0.9930414	0.00695864	91,319	2,071,081	22.60	59
60	91,000	699	0.9923194	0.00768060	90,650	1,979,762	21.76	60
61	90,301	766	0.9915132	0.00848676	89,918	1,889,112	20.92	61
62	89,535	840	0.9906128	0.00938724	89,114	1,799,194	20.09	62
63	88,694	922	0.9896066	0.01039338	88,233	1,710,079	19.28	63
64	87,772	1011	0.9884821	0.01151787	87,267	1,621,846	18.48	64
65	86,761	1108	0.9872251	0.01277488	86,207	1,534,579	17.69	65
66	85,653	1215	0.9858197	0.01418025	85,046	1,448,372	16.91	66
67	84,438	1330	0.9842484	0.01575163	83,773	1,363,327	16.15	67

68	83,108	1455	0.9824913	0.01750868	82,381	1,279,553	15.40	68
69	81,653	1590	0.9805267	0.01947326	80,858	1,197,172	14.66	69
70	80,063	1735	0.9783303	0.02166966	79,196	1,116,314	13.94	70
71	78,328	1890	0.9758752	0.02412482	77,383	1,037,119	13.24	71
72	76,439	2054	0.9731315	0.02686850	75,412	959,735	12.56	72
73	74,385	2227	0.9700664	0.02993361	73,271	884,323	11.89	73
74	72,158	2407	0.9666436	0.03335637	70,955	811,052	11.24	74
75	69,751	2593	0.9628235	0.03717654	68,455	740,097	10.61	75
76	67,158	2783	0.9585623	0.04143771	65,767	671,643	10.00	76
77	64,375	2973	0.9538126	0.04618738	62,889	605,876	9.41	77
78	61,402	3161	0.9485227	0.05147726	59,822	542,987	8.84	78
79	58,241	3341	0.9426367	0.05736325	56,571	483,166	8.30	79
80	54,900	3508	0.9360944	0.06390562	53,146	426,595	7.77	80
81	51,392	3657	0.9288311	0.07116888	49,563	373,449	7.27	81
82	47,734	3782	0.9207783	0.07922174	45,844	323,886	6.79	82
83	43,953	3874	0.9118632	0.08813676	42,016	278,042	6.33	83
84	40,079	3927	0.9020100	0.09799000	38,115	236,027	5.89	84
85	36,152	3935	0.8911396	0.10886036	34,184	197,912	5.47	85
86	32,216	3893	0.8791713	0.12082873	30,270	163,728	5.08	86
87	28,323	3795	0.8660231	0.13397686	26,426	133,458	4.71	87
88	24,529	3640	0.8516141	0.14838593	22,709	107,032	4.36	88
89	20,889	3429	0.8358652	0.16413475	19,175	84,323	4.04	89
90	17,460	3166	0.8187025	0.18129754	15,878	65,148	3.73	90
91	14,295	2858	0.8000588	0.19994125	12,866	49,271	3.45	91
92	11,437	2517	0.7798775	0.22012245	10,178	36,405	3.18	92
93	8,919	2157	0.7581164	0.24188361	7,841	26,227	2.94	93
94	6,762	1794	0.7347512	0.26524880	5,865	18,386	2.72	94
95	4,968	1442	0.7097812	0.29021876	4,247	12,521	2.52	95
96	3,526	1117	0.6832348	0.31676523	2,968	8,274	2.35	96
97	2,409	831	0.6551755	0.34482447	1,994	5,306	2.20	97
98	1,579	580	0.6324683	0.36753170	1,288	3,312	2.10	98
99	998	350	0.6491586	0.35084135	823	2,024	2.03	99
100	648	196	0.6968287	0.30317131	550	1,200	1.85	100
101	452	172	0.6197644	0.38023555	366	650	1.44	101

102	280	204	0.2727366	0.72726337	178	285	1.02	102
103	76	40	0.4811619	0.51883813	57	107	1.40	103
104	37	5	0.8630853	0.13691468	34	50	1.36	104
105	32	32	0.9595670	0.04043304	16	16	0.50	105

Table 2 Irish Life Table No. 16, female period life expectancy by age, 2010 - 2012

Age x^1	l_x^1	d_x^1	p_x^1	q_x^1	L_x^1	T_x^1	$e_x^{0,1,2}$	Age x
0	100,000	329	0.9967098	0.00329021	99,835	8,275,177	82.75	0
1	99,671	68	0.9993223	0.00067768	99,637	8,175,342	82.02	1
2	99,603	9	0.9999110	0.00008903	99,599	8,075,705	81.08	2
3	99,595	6	0.9999373	0.00006267	99,591	7,976,106	80.09	3
4	99,588	7	0.9999338	0.00006623	99,585	7,876,514	79.09	4
5	99,582	8	0.9999236	0.00007639	99,578	7,776,929	78.10	5
6	99,574	7	0.9999278	0.00007218	99,571	7,677,351	77.10	6
7	99,567	6	0.9999424	0.00005760	99,564	7,577,781	76.11	7
8	99,561	5	0.9999505	0.00004953	99,559	7,478,217	75.11	8
9	99,556	5	0.9999524	0.00004755	99,554	7,378,658	74.12	9
10	99,552	5	0.9999499	0.00005006	99,549	7,279,104	73.12	10
11	99,547	6	0.9999433	0.00005671	99,544	7,179,555	72.12	11
12	99,541	7	0.9999321	0.00006790	99,538	7,080,011	71.13	12
13	99,534	8	0.9999157	0.00008434	99,530	6,980,474	70.13	13
14	99,526	11	0.9998933	0.00010669	99,520	6,880,944	69.14	14
15	99,515	13	0.9998651	0.00013494	99,508	6,781,423	68.14	15
16	99,502	17	0.9998325	0.00016755	99,493	6,681,915	67.15	16
17	99,485	20	0.9997995	0.00020048	99,475	6,582,422	66.16	17
18	99,465	23	0.9997730	0.00022696	99,454	6,482,947	65.18	18
19	99,443	24	0.9997613	0.00023867	99,431	6,383,493	64.19	19
20	99,419	23	0.9997671	0.00023288	99,407	6,284,062	63.21	20
21	99,396	22	0.9997807	0.00021928	99,385	6,184,655	62.22	21

22	99,374	21	0.9997916	0.00020844	99,363	6,085,270	61.24	22
23	99,353	21	0.9997908	0.00020925	99,343	5,985,907	60.25	23
24	99,332	23	0.9997679	0.00023206	99,321	5,886,564	59.26	24
25	99,309	28	0.9997183	0.00028166	99,295	5,787,243	58.27	25
26	99,281	30	0.9997017	0.00029827	99,267	5,687,948	57.29	26
27	99,252	24	0.9997548	0.00024517	99,240	5,588,681	56.31	27
28	99,227	23	0.9997668	0.00023316	99,216	5,489,442	55.32	28
29	99,204	25	0.9997440	0.00025599	99,192	5,390,226	54.33	29
30	99,179	28	0.9997127	0.00028726	99,165	5,291,035	53.35	30
31	99,150	32	0.9996784	0.00032159	99,134	5,191,870	52.36	31
32	99,118	36	0.9996408	0.00035920	99,101	5,092,736	51.38	32
33	99,083	40	0.9995997	0.00040035	99,063	4,993,635	50.40	33
34	99,043	44	0.9995547	0.00044528	99,021	4,894,572	49.42	34
35	98,999	49	0.9995057	0.00049429	98,975	4,795,551	48.44	35
36	98,950	54	0.9994523	0.00054769	98,923	4,696,576	47.46	36
37	98,896	60	0.9993942	0.00060581	98,866	4,597,653	46.49	37
38	98,836	66	0.9993310	0.00066900	98,803	4,498,787	45.52	38
39	98,770	73	0.9992623	0.00073767	98,733	4,399,984	44.55	39
40	98,697	80	0.9991878	0.00081224	98,657	4,301,251	43.58	40
41	98,617	88	0.9991068	0.00089320	98,573	4,202,594	42.62	41
42	98,529	97	0.9990189	0.00098106	98,480	4,104,021	41.65	42
43	98,432	106	0.9989236	0.00107639	98,379	4,005,540	40.69	43
44	98,326	116	0.9988201	0.00117985	98,268	3,907,161	39.74	44
45	98,210	127	0.9987079	0.00129214	98,147	3,808,893	38.78	45
46	98,083	139	0.9985859	0.00141406	98,014	3,710,746	37.83	46
47	97,945	151	0.9984535	0.00154649	97,869	3,612,732	36.89	47
48	97,793	165	0.9983096	0.00169041	97,710	3,514,863	35.94	48
49	97,628	180	0.9981531	0.00184695	97,538	3,417,153	35.00	49
50	97,447	197	0.9979827	0.00201734	97,349	3,319,615	34.07	50

51	97,251	214	0.9977970	0.00220300	97,144	3,222,266	33.13	51
52	97,037	233	0.9975945	0.00240550	96,920	3,125,122	32.21	52
53	96,803	254	0.9973733	0.00262665	96,676	3,028,202	31.28	53
54	96,549	277	0.9971315	0.00286847	96,411	2,931,526	30.36	54
55	96,272	302	0.9968667	0.00313326	96,121	2,835,116	29.45	55
56	95,970	329	0.9965764	0.00342364	95,806	2,738,995	28.54	56
57	95,642	358	0.9962574	0.00374259	95,463	2,643,189	27.64	57
58	95,284	390	0.9959065	0.00409351	95,089	2,547,726	26.74	58
59	94,894	425	0.9955197	0.00448027	94,681	2,452,637	25.85	59
60	94,469	464	0.9950927	0.00490733	94,237	2,357,956	24.96	60
61	94,005	506	0.9946202	0.00537978	93,752	2,263,719	24.08	61
62	93,499	552	0.9940965	0.00590350	93,223	2,169,966	23.21	62
63	92,947	603	0.9935148	0.00648522	92,646	2,076,743	22.34	63
64	92,345	659	0.9928673	0.00713274	92,015	1,984,097	21.49	64
65	91,686	720	0.9921449	0.00785509	91,326	1,892,082	20.64	65
66	90,966	788	0.9913373	0.00866270	90,572	1,800,756	19.80	66
67	90,178	863	0.9904323	0.00956770	89,746	1,710,184	18.96	67
68	89,315	945	0.9894158	0.01058422	88,842	1,620,438	18.14	68
69	88,370	1036	0.9882713	0.01172873	87,851	1,531,596	17.33	69
70	87,333	1137	0.9869795	0.01302048	86,765	1,443,744	16.53	70
71	86,196	1248	0.9855180	0.01448204	85,572	1,356,980	15.74	71
72	84,948	1371	0.9838601	0.01613991	84,262	1,271,408	14.97	72
73	83,577	1506	0.9819747	0.01802525	82,823	1,187,146	14.20	73
74	82,070	1656	0.9798252	0.02017484	81,242	1,104,322	13.46	74
75	80,414	1820	0.9773679	0.02263211	79,504	1,023,080	12.72	75
76	78,594	2000	0.9745515	0.02544851	77,594	943,576	12.01	76
77	76,594	2197	0.9713149	0.02868506	75,496	865,981	11.31	77
78	74,397	2412	0.9675857	0.03241428	73,191	790,485	10.63	78
79	71,986	2643	0.9632775	0.03672246	70,664	717,294	9.96	79

80	69,342	2892	0.9582954	0.04170456	67,896	646,630	9.33	80
81	66,450	3153	0.9525514	0.04744857	64,874	578,734	8.71	81
82	63,297	3421	0.9459559	0.05404413	61,587	513,860	8.12	82
83	59,877	3687	0.9384176	0.06158239	58,033	452,273	7.55	83
84	56,189	3942	0.9298475	0.07015253	54,218	394,240	7.02	84
85	52,247	4171	0.9201629	0.07983711	50,162	340,022	6.51	85
86	48,076	4361	0.9092936	0.09070642	45,896	289,860	6.03	86
87	43,715	4494	0.8971883	0.10281166	41,468	243,964	5.58	87
88	39,221	4557	0.8838228	0.11617723	36,943	202,496	5.16	88
89	34,664	4534	0.8692074	0.13079261	32,397	165,554	4.78	89
90	30,130	4417	0.8533959	0.14660408	27,922	133,156	4.42	90
91	25,713	4204	0.8364927	0.16350730	23,611	105,235	4.09	91
92	21,509	3900	0.8186587	0.18134133	19,559	81,623	3.79	92
93	17,608	3520	0.8001149	0.19988514	15,849	62,065	3.52	93
94	14,089	3083	0.7811427	0.21885730	12,547	46,216	3.28	94
95	11,005	2618	0.7620805	0.23791952	9,696	33,669	3.06	95
96	8,387	2153	0.7433158	0.25668423	7,311	23,973	2.86	96
97	6,234	1713	0.7252739	0.27472613	5,378	16,662	2.67	97
98	4,521	1318	0.7084032	0.29159681	3,862	11,285	2.50	98
99	3,203	983	0.6930682	0.30693179	2,711	7,422	2.32	99
100	2,220	718	0.6767526	0.32324744	1,861	4,711	2.12	100
101	1,502	521	0.6531123	0.34688766	1,242	2,850	1.90	101
102	981	378	0.6142550	0.38574501	792	1,608	1.64	102
103	603	272	0.5495238	0.45047618	467	816	1.35	103
104	331	148	0.5540559	0.44594407	257	349	1.05	104
105	184	184	0.8898570	0.11014299	92	92	0.50	105

x the exact age of the person, that is on his or her birthday.

l_x the number of persons surviving to exact age x out of the original 100,000 aged 0.

- d_x the number of deaths in the year of age x to $x+1$ out of l_x persons who enter that year.
- p_x the probability of surviving a year, or the ratio of the number completing the year of age x to $x+1$ to the number entering on the year.
- q_x the rate of mortality, the probability of dying in a year, or the ratio of the number of deaths in the year of age x to $x+1$ to the number entering on the year.
- L_x the population to be expected according to the Life Table aged between x and $x+1$ years, assuming deaths occur evenly over the year.
- T_x the expected number of person years to be lived by the survivors at age x .
- ${}^2e^0_x$ life expectancy at age x for each person surviving, or the total future life time in years which will on average be passed through by persons aged exactly x .