

Chapter 4

Infant Mortality, Stillbirths and Maternal Mortality 2011

Infant mortality

During the year 2011 there were 262 deaths of infants under one year, compared to 271 in 2010. The infant mortality rate, which was 3.6 per 1,000 births in 2010, decreased to 3.5 in 2011. See tables 4.1, 4.2 and 4.3.

Table I Infant mortality rates in Ireland* and neighbouring countries, 1941-2011

Period	Deaths of infants under 1 year per 1,000 live births			
	Ireland*	Northern Ireland	England and Wales	Scotland
1941-1950 ¹	66	60	43	57
1951-1960 ¹	37	32	25	30
1961-1970 ¹	25	25	19	23
1971-1980 ¹	16	19	15	16
1981-1990 ¹	9	10	9	9
1991-2000 ¹	6	6	6	6
2001-2010 ¹	4	5	5	5
1997	6	6	6	5
1998	6	6	6	6
1999	6	6	6	5
2000	6	5	6	6
2001	6	6	5	6
2002	5	5	5	5
2003	5	5	5	5
2004	5	5	5	5
2005	4	6	5	5
2006	4	5	5	5
2007	3	5	5	5
2008	4	5	5	4
2009	3	5	5	4
2010	4	6	4	4
2011	4	4	4	4

¹ Decennial average.

* Exclusive of Northern Ireland.

Infant mortality rates in the EU-27

Ireland, together with Denmark and France, had the middle infant mortality rate of the EU-27 (3.5 per 1,000 live births). Romania had the highest rate at 9.4 infant deaths per 1,000 live births. Sweden had the lowest rate, 2.1 per 1,000 live births. See table II.

Table II Infant mortality rates in per 1,000 live births in the European Union, 2011

Area of residence	Infant mortality rate per 1,000		Area of residence	Infant mortality rate per 1,000
Belgium	3.3		Luxembourg	4.3
Bulgaria	8.5		Hungary	4.9
Czech Republic	2.7		Malta	6.3
Denmark	3.5		Netherlands	3.6
Germany	3.6		Austria	3.6
Estonia	2.5		Poland	4.7
Ireland	3.5		Portugal	3.1
Greece	3.4		Romania	9.4
Spain	3.1		Slovenia	2.9
France	3.5		Slovakia	4.9
Italy	3.2		Finland	2.4
Cyprus	3.1		Sweden	2.1
Latvia	6.6		United Kingdom	4.2
Lithuania	4.2			

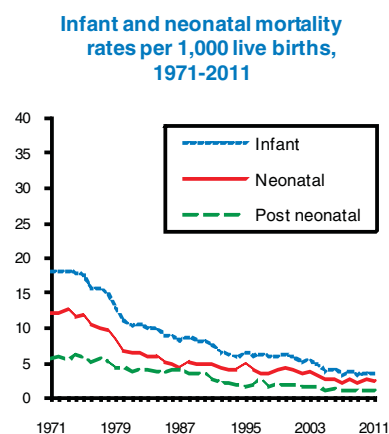
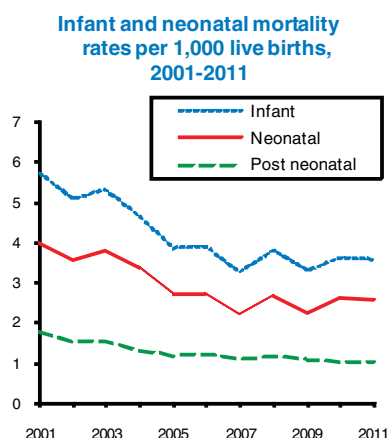
Source: Eurostat

Infant Mortality by detailed age

Just over a third (33.6%) of all infant deaths occurred within the first day of birth and over 56% occurred within the first week.

There were 188 neonatal deaths (deaths of infants under 4 weeks) in 2011, an decrease of 7 on the 2010 figure. The neonatal mortality rate of 2.5 per 1,000 live births was 0.1 less than the 2010 figure. See tables 4.2, 4.3 and 4.6.

Table III shows infant deaths by detailed age.



Infant Mortality by cause

Certain conditions originating in the perinatal period accounted for 38.9% of infant deaths in 2011. Congenital malformations, deformations and chromosomal abnormalities accounted for a further 44.3%, sudden infant death syndrome accounted for 7.6%. Diseases of the nervous system and sense organs accounted for 1.9%, and all other causes at 7.3% accounted for the remainder. See *table 4.6*.

For infant deaths occurring in the first day of life, the causes of death were split between certain conditions originating in the perinatal period (58%) and congenital malformations, deformations and chromosomal abnormalities (41%) with sudden infant death syndrome accounting for the remainder. See *table 4.6*.

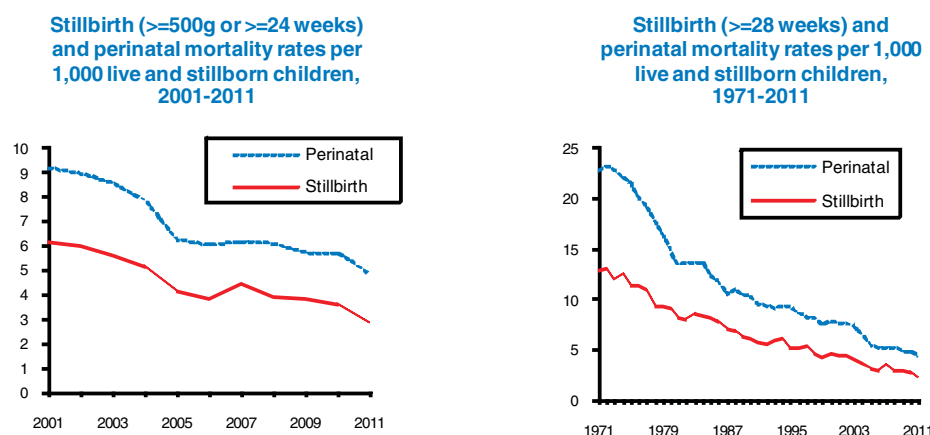
Limerick City had the highest rate for infant mortality in 2011 with a rate of 7.9 per 1,000 births. The lowest rate occurred in Longford with a rate of 1.6. See *table 4.3*.

Table III Infant deaths during 2011 by detailed age

	Total	Male	Female
Total under 1 year	262	150	112
Under 30 mins	20	13	7
30 mins and under 1 day	68	30	38
Total under 1 day	88	43	45
1 day	11	7	4
2 days	14	9	5
3 days	14	12	2
4 days	7	2	5
5 days	6	4	2
6 days	7	4	3
Total under 7 days	147	81	66
7-13 days	18	13	5
14-20 days	17	13	4
21-27 days	6	4	2
Total under 4 weeks	188	111	77
4 weeks and under 2 months	20	12	8
2 months	17	7	10
3 months	11	4	7
4 months	5	5	-
5 months	6	3	3
6 months	3	1	2
7 months	2	1	1
8 months	1	-	1
9 months	4	3	1
10 months	4	2	2
11 months	1	1	-

Stillbirths

The number of stillbirths in 2011 was 211, a decrease of 62 on 2010 total of 273. The corresponding rate decrease was from 3.6 in 2010 to 2.8 in 2011.



For stillbirths, the highest rate per 1,000 live births was in Waterford County (7.1) and the lowest was in Cork City with a rate of 0.0 reflecting no registered stillbirths in 2011. See table 4.3.

In 2011, stillbirths classified as being due to certain conditions originating in the perinatal period accounted for 84.8% of the stillbirths and 15.2% were due to congenital malformations, deformations and chromosomal abnormalities. See table 4.10a.

While statistics of infant mortality are obtained in the course of the usual procedure for registration of deaths, which has been in operation since 1863, particulars of late foetal mortality have been obtained through a scheme of notification to the Directors of Community Care. The scheme of notifying late foetal deaths was introduced in 1957, but comparisons between different areas of the country showed marked differences in the coverage of the scheme in the early years. Consequently, the number of late foetal deaths in the early years of the scheme is believed to be understated.

In 1995 stillbirths were registered in Ireland for the first time under the Stillbirths Registration Act, 1994. The definition of a stillbirth under the Act is broader than the definition used for late foetal deaths in previous Vital Statistics Reports. Care should be taken in comparing statistics on stillbirths and late foetal deaths in consideration of the changes between the notification and registration systems.

The National Perinatal Reporting System (NPRS) (http://www.esri.ie/health_information/nprs/) also produces statistics on stillbirths, which can be compared to the numbers in these reports. The NPRS figures are derived from birth notification forms, rather than from stillbirths registered. In recent years, the numbers of stillbirths according to NPRS reports have been higher than the numbers published in these reports. This suggests that there is some non-registration of stillbirths and that caution should be taken in interpreting the statistics on stillbirths in these reports.

Pregnancy, childbirth and puerperium

There were 2 maternal deaths in 2011. Table IV compares Ireland and the neighbouring countries for the years 1993-2011.

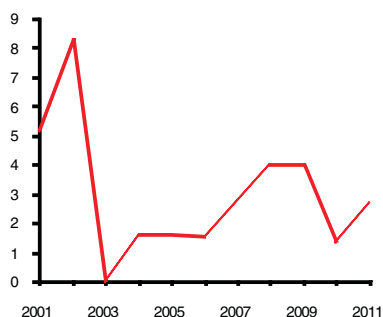
Table IV Maternal deaths per 100,000 total live and stillbirths in Ireland¹ and neighbouring countries, 1993-2011

Year	Number of deaths in Ireland ¹	Death rate per 100,000 live and stillbirths			
		Ireland ¹	Northern Ireland	England and Wales	Scotland
1993	—*	—	—	4	11
1994	1	2	—	7	15
1995	—	—	—	7	10
1996	3	6	4	6	10
1997	3	6	—	4	7
1998	2	4	8	7	9
1999	1	2	—	5	13
2000	1	2	—	6	15
2001	3	5	9	7	11
2002	5	8	5	6	10
2003	—	—	3	7	14
2004	1	2	4	7	11
2005	1	2	5	7	7
2006	—	—	13	6	6
2007	2	3	—	7	14
2008	3	4	—	6	8
2009	3	4	20	9	8
2010	1	1	8	5	5
2011	2	3	16	6	8

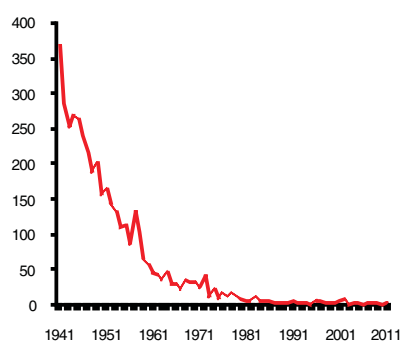
¹ Exclusive of Northern Ireland.

* One maternal death which occurred in 1993 was registered in 1995.

Maternal death rates per 100,000 live births, 2001-2011



Maternal death rates per 100,000 live births, 1941-2011



Stillbirths, Infant Mortality and Maternal Mortality

The terms used in relation to stillbirths and infant mortality are defined as follows:

Stillbirth: Stillbirth weighing 500 grams or more or at gestational age of 24 weeks or more. This definition applies to stillbirth figures from 1995 onwards.

Late foetal death: Foetal death at or over 28 weeks gestation. This definition was applied up to 1994 inclusive.

Early neonatal death: Death at ages under 1 week of live born infant.

Perinatal deaths: Stillbirths or late foetal deaths plus early neonatal deaths.

Late neonatal death: Death between the ages of 1 week and 4 weeks of live born infant.

Neonatal death: Death at ages under 4 weeks of live born infant.

Post neonatal death: Death between the ages of 4 weeks and 1 year of live born infant.

Infant death: Death at ages under 1 year of live born infant.

Maternal Death: A maternal death is the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.

Stillbirth rate: Stillbirths divided by total live births plus stillbirths, multiplied by 1,000.

Late foetal mortality rate: late foetal deaths divided by total live births plus late foetal deaths, multiplied by 1,000.

Early neonatal mortality rate: Early neonatal deaths divided by total live births, multiplied by 1,000.

Perinatal mortality rate: perinatal deaths divided by total live births plus stillbirths, multiplied by 1,000.

Late neonatal mortality rate: Late neonatal deaths divided by total live births, multiplied by 1,000.

Neonatal mortality rate: Neonatal deaths divided by total live births, multiplied by 1,000.

Post neonatal mortality rate: Post neonatal deaths divided by total live births, multiplied by 1,000.

Infant mortality rate: Infant deaths divided by total live births, multiplied by 1,000.

Maternal death rate: Maternal deaths divided by total live and stillbirths multiplied by 100,000

Tables

Table 4.1 Live births, stillbirths and infant mortality, 1957 to 2011

Year	Live births	Population ⁴	Stillbirths ⁵		Perinatal deaths		Neonatal deaths				Infant deaths
							Early	Late	Total	Post	
Persons											
1957-60 ¹	60,419	2,854	1,321	-	2,316	-	995	321	1,316	644	1,960
1961-70 ²	62,417	2,881	1,060	-	1,890	-	830	206	1,036	514	1,550
1971-80 ²	69,439	3,196	780	-	1,398	-	618	113	731	369	1,100
1981-90 ²	61,628	3,513	475	-	758	-	283	58	341	228	569
1991-00 ²	51,627	3,637	-	(272)	-	(490)	174	44	218	103	322
2001-10 ²	66,595	4,211	307	(232)	464	(389)	157	39	195	82	277
2002	60,503	3,917	364	(274)	547	(457)	183	33	216	89	305
2003	61,529	3,980	345	(258)	529	(442)	184	49	233	93	326
2004	61,972	4,045	321	(236)	489	(404)	168	41	209	78	287
2005	61,372	4,134	254	(197)	385	(328)	131	36	167	69	236
2006	65,425	4,240	252	(198)	392	(338)	140	39	179	76	255
2007	71,389	4,376	317	(250)	443	(376)	126	30	156	74	230
2008	75,173	4,485	294	(221)	456	(383)	162	38	200	84	284
2009	75,554	4,533	294	(224)	433	(363)	139	29	168	79	247
2010	75,174	4,555	273	(205)	429	(361)	156	39	195	76	271
2011	74,033	4,575	211	(166)	358	(313)	147	41	188	74	262
Males											
1957-60 ¹	30,915	1,439	-	-	-	-	579	188	767	372	1,139
1961-70 ²	32,053	1,448	475 ³	-	891 ³	-	470	118	588	291	879
1971-80 ²	35,715	1,606	380	-	740	-	360	63	423	205	629
1981-90 ²	31,747	1,756	246	-	407	-	161	32	193	129	322
1991-00 ²	26,615	1,807	-	(145)	-	(245)	100	21	124	60	184
2001-10 ²	34,145	2,098	159	(117)	246	(205)	88	20	108	47	154
2002	31,013	1,946	177	(133)	279	(235)	102	23	125	44	169
2003	31,455	1,977	181	(139)	297	(255)	116	24	140	53	193
2004	31,966	2,012	171	(120)	262	(211)	91	19	110	43	153
2005	31,489	2,062	153	(120)	209	(176)	56	19	75	35	110
2006	33,655	2,121	129	(102)	215	(188)	86	18	104	51	155
2007	36,487	2,191	169	(114)	238	(183)	69	13	82	43	125
2008	38,619	2,239	162	(125)	250	(213)	88	22	110	52	162
2009	38,682	2,257	131	(98)	214	(181)	83	16	99	44	144
2010	38,395	2,262	140	(103)	227	(190)	87	21	108	46	154
2011	37,898	2,271	104	(82)	185	(163)	81	30	111	39	150
Females											
1957-60 ¹	29,504	1,415	-	-	-	-	416	133	549	272	821
1961-70 ²	30,364	1,433	471 ³	-	800 ³	-	360	88	448	223	671
1971-80 ²	33,724	1,590	400	-	658	-	258	50	308	164	472
1981-90 ²	29,882	1,758	229	-	351	-	122	26	148	99	247
1991-00 ²	25,012	1,830	-	(127)	-	(202)	74	20	94	44	138
2001-10 ²	32,450	2,113	148	(115)	218	(184)	69	19	88	35	123
2002	29,490	1,971	187	(141)	268	(222)	81	10	91	45	136
2003	30,074	2,003	164	(119)	232	(187)	68	25	93	40	133
2004	30,006	2,033	150	(116)	227	(193)	77	22	99	35	134
2005	29,883	2,072	101	(77)	176	(152)	75	17	92	34	126
2006	31,770	2,119	123	(96)	177	(150)	54	21	75	25	100
2007	34,902	2,185	148	(136)	205	(193)	57	17	74	31	105
2008	36,554	2,247	132	(96)	206	(170)	74	16	90	32	122
2009	36,872	2,276	163	(126)	219	(182)	56	13	69	34	103
2010	36,779	2,293	133	(102)	202	(171)	69	18	87	30	117
2011	36,135	2,304	107	(84)	173	(150)	66	11	77	35	112

¹ 4 year average.² Decennial average.³ 5 year average, 1966-1970.⁴ The population estimates for year ending April 2007 and later periods are based on the usual residences concept.⁵ Figures on stillbirths up to 1994 inclusive refer to the definition of late foetal deaths at or over 28 weeks gestation. From 1995 the figures relate to the new broader definition of stillbirths at or over 500g or at a gestational age of 24 weeks or more. For comparison purposes, figures according to the old definition are given in brackets from 1995 onwards.

Table 4.2 Live birth, stillbirth and infant mortality rates, 1957 to 2011

Year	Live births ⁴	Stillbirths ⁵		Perinatal deaths		Neonatal deaths				Infant deaths
						Early	Late	Total	Post	
Persons										
1957-60 ¹	21.2	21.4	-	37.5	-	16.5	5.3	21.8	10.7	32.4
1961-70 ²	21.7	16.7	-	29.8	-	13.3	3.3	16.6	8.2	24.8
1971-80 ²	21.7	11.1	-	19.9	-	8.9	1.6	10.5	5.3	15.8
1981-90 ²	17.5	7.6	-	12.2	-	4.6	0.9	5.5	3.7	9.2
1991-00 ²	14.2	-	(5.3)	-	(9.5)	3.4	0.9	4.2	2.0	6.2
2001-10 ²	15.8	4.6	(3.5)	6.9	(5.8)	2.4	0.6	2.9	1.2	4.2
2002	15.4	6.0	(4.5)	9.0	(7.5)	3.0	0.5	3.6	1.5	5.0
2003	15.5	5.6	(4.2)	8.5	(7.2)	3.0	0.8	3.8	1.5	5.3
2004	15.3	5.2	(3.8)	7.8	(6.5)	2.7	0.7	3.4	1.3	4.6
2005	14.8	4.1	(3.2)	6.2	(5.3)	2.1	0.6	2.7	1.1	3.8
2006	15.4	3.8	(3.0)	6.0	(5.2)	2.1	0.6	2.7	1.2	3.9
2007	16.3	4.4	(3.5)	6.2	(5.2)	1.8	0.4	2.2	1.0	3.2
2008	16.8	3.9	(2.9)	6.0	(5.1)	2.2	0.5	2.7	1.1	3.8
2009	16.7	3.9	(3.0)	5.7	(4.8)	1.8	0.4	2.2	1.0	3.3
2010	16.5	3.6	(2.7)	5.7	(4.8)	2.1	0.5	2.6	1.0	3.6
2011	16.2	2.8	(2.2)	4.8	(4.2)	2.0	0.6	2.5	1.0	3.5
Males										
1957-60 ¹	21.5	-	-	-	-	18.7	6.1	24.8	12.0	36.8
1961-70 ²	22.1	14.6 ³	-	27.43	-	14.7	3.6	18.3	9.1	27.4
1971-80 ²	22.2	10.5	-	20.5	-	10.1	1.8	11.9	5.7	17.6
1981-90 ²	18.1	7.7	-	12.7	-	5.1	1.0	6.1	4.1	10.1
1991-00 ²	14.7	-	(5.5)	-	(9.2)	3.8	0.8	4.7	2.3	6.9
2001-10 ²	16.3	4.6	(2.7)	7.2	(6.0)	2.6	0.6	3.2	1.4	4.5
2002	15.9	5.7	(4.3)	9.0	(7.6)	3.3	0.7	4.0	1.4	5.4
2003	15.9	5.7	(4.4)	9.4	(8.1)	3.7	0.8	4.5	1.7	6.1
2004	15.9	5.3	(3.7)	8.2	(6.6)	2.8	0.6	3.4	1.3	4.8
2005	15.3	4.8	(3.8)	6.6	(5.6)	1.8	0.6	2.4	1.1	3.5
2006	15.9	3.8	(3.0)	6.4	(5.6)	2.6	0.5	3.1	1.5	4.6
2007	16.7	4.6	(4.6)	6.5	(5.0)	1.9	0.4	2.2	1.2	3.4
2008	17.2	4.2	(3.2)	6.4	(5.5)	2.3	0.6	2.8	1.3	4.2
2009	17.1	3.4	(2.5)	5.5	(4.7)	2.1	0.4	2.6	1.1	3.7
2010	17.0	3.6	(3.4)	5.9	(4.9)	2.3	0.5	2.8	1.2	4.0
2011	16.7	2.7	(2.2)	4.9	(4.3)	2.1	0.8	2.9	1.0	4.0
Females										
1957-60 ¹	20.9	-	-	-	-	14.1	4.5	18.6	9.2	27.8
1961-70 ²	21.2	15.3 ³	-	26.03	-	11.9	2.9	14.8	7.3	22.1
1971-80 ²	21.2	11.7	-	19.3	-	7.7	1.4	9.1	4.9	14.0
1981-90 ²	17.0	7.6	-	11.6	-	4.1	0.9	5.0	3.3	8.3
1991-00 ²	14.4	-	(5.1)	-	(8.1)	3.0	0.8	3.8	1.8	5.5
2001-10 ²	15.4	4.5	(3.5)	6.7	(5.7)	2.1	0.6	2.7	1.1	3.8
2002	15.0	6.3	(4.8)	9.1	(7.5)	2.7	0.3	3.1	1.5	4.6
2003	15.0	5.4	(3.9)	7.7	(6.2)	2.3	0.8	3.1	1.3	4.4
2004	14.8	5.0	(3.9)	7.5	(6.4)	2.6	0.7	3.3	1.2	4.5
2005	14.4	3.4	(2.6)	5.9	(5.1)	2.5	0.6	3.1	1.1	4.2
2006	15.0	3.9	(3.0)	5.5	(4.7)	1.7	0.7	2.4	0.8	3.1
2007	16.0	4.2	(3.9)	5.8	(5.5)	1.6	0.5	2.1	0.9	3.0
2008	16.3	3.6	(2.6)	5.6	(4.6)	2.0	0.4	2.5	0.9	3.3
2009	16.2	4.4	(3.4)	5.9	(4.9)	1.5	0.4	1.9	0.9	2.8
2010	16.0	3.6	(2.8)	5.5	(4.6)	1.9	0.5	2.4	0.8	3.2
2011	15.7	3.0	(2.3)	4.8	(4.1)	1.8	0.3	2.1	1.0	3.1

¹ 4 year average² Decennial average³ 5 year average, 1966-1970⁴ The population estimates for year ending April 2007 and later periods are based on the usual residences concept.⁵ Figures on stillbirths up to 1994 inclusive refer to the definition of late foetal deaths at or over 28 weeks gestation. From 1995 the figures relate to the new broader definition of stillbirths at or over 500g or at a gestational age of 24 weeks or more. For comparison purposes, figures according to the old definition are given in brackets from 1995 onwards.

Table 4.3 Stillbirths and infant mortality* 2011 per 1,000 live births

Area of residence	Infant mortality		Neonatal mortality		Stillbirths		Perinatal mortality	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
STATE	262	3.5	188	2.5	211	2.8	358	4.8
LEINSTER	134	3.2	97	2.3	117	2.8	192	4.5
Carlow	2	2.0	1	1.0	4	4.0	5	5.0
Dublin City	21	2.6	17	2.1	21	2.6	35	4.3
South Dublin	12	2.4	8	1.6	19	3.7	25	4.9
Fingal	19	3.4	12	2.2	17	3.0	25	4.5
Dun Laoghaire-Rathdown	9	3.2	6	2.1	2	0.7	4	1.4
Kildare	11	2.9	7	1.8	12	3.1	17	4.4
Kilkenny	4	2.8	3	2.1	6	4.2	9	6.3
Laois	4	3.0	2	1.5	3	2.2	4	3.0
Longford	1	1.6	1	1.6	2	3.1	3	4.7
Louth	5	2.7	4	2.1	3	1.6	7	3.7
Meath	14	4.0	11	3.1	11	3.1	19	5.4
Offaly	5	4.0	4	3.2	3	2.4	6	4.8
Westmeath	6	4.3	3	2.2	3	2.2	6	4.3
Wexford	9	3.9	7	3.0	5	2.2	11	4.8
Wicklow	12	5.3	11	4.9	6	2.7	16	7.1
MUNSTER	79	4.1	52	2.7	52	2.7	94	4.9
Clare	8	4.6	6	3.5	10	5.8	14	8.1
Cork City	4	2.5	0	0.0	0	0.0	0	0.0
Cork County	25	3.7	16	2.4	14	2.1	28	4.2
Kerry	8	4.0	6	3.0	2	1.0	5	2.5
Limerick City	6	7.9	2	2.6	5	6.5	7	9.1
Limerick County	13	5.7	9	3.9	7	3.0	15	6.5
North Tipperary	3	2.5	3	2.5	1	0.8	4	3.4
South Tipperary	5	4.1	4	3.3	5	4.0	9	7.3
Waterford City	2	2.4	2	2.4	1	1.2	2	2.4
Waterford County	5	5.1	4	4.1	7	7.1	10	10.2
CONNACHT	36	4.5	28	3.5	28	3.5	51	6.3
Galway City	2	1.8	1	0.9	2	1.8	2	1.8
Galway County	16	5.6	13	4.6	9	3.1	19	6.6
Leitrim	3	6.5	3	6.5	2	4.3	5	10.8
Mayo	5	2.8	4	2.2	8	4.4	11	6.1
Roscommon	5	5.8	4	4.6	4	4.6	8	9.2
Sligo	5	5.4	3	3.2	3	3.2	6	6.5
ULSTER (Part of)	13	3.0	11	2.5	14	3.2	21	4.8
Cavan	4	3.2	4	3.2	2	1.6	4	3.2
Donegal	6	2.8	5	2.3	9	4.1	13	6.0
Monaghan	3	3.4	2	2.3	3	3.4	4	4.5
REGIONAL AUTHORITIES								
Border	26	3.4	21	2.8	22	2.9	39	5.1
Midland	16	3.5	10	2.2	11	2.4	19	4.1
West	28	4.2	22	3.3	23	3.5	40	6.0
Dublin	61	2.8	43	2.0	59	2.7	89	4.1
Mid-East	37	3.8	29	3.0	29	3.0	52	5.4
Mid-West	30	5.0	20	3.3	23	3.8	40	6.7
South-East	27	3.5	21	2.7	28	3.6	46	5.9
South-West	37	3.6	22	2.1	16	1.6	33	3.2

* For definition see glossary at end of commentary, page 100.

The stillbirth and infant mortality rates in some areas based on small numbers are subject to considerable fluctuation and caution should be exercised in their interpretation, see reference on page 98.

Table 4.4 Infant mortality rates per 1,000 live births by detailed age, 1941 to 2011

Period	Under 24 hours	1-6 days	7-13 days	14-20 days	21 days and under 4 weeks	4 weeks and under 2 months	2 months and under 3 months	3 months and under 6 months	6 months and under 12 months	Total 4 weeks to 1 year
1941-50 ¹	7.0	8.7	4.3	4.2	4.3	8.7	6.9	12.3	9.4	37.3
1951-60 ¹	7.8	8.7	2.7	1.9	1.5	3.6	2.4	4.5	3.6	14.1
1961-70 ¹	7.1	6.2	1.4	1.1	0.8	2.1	1.5	2.7	2.0	8.2
1971-80 ¹	5.1	3.8	0.9	0.4	0.4	1.2	1.0	1.8	1.4	5.3
1981-90 ¹	2.8	1.8	0.5	0.2	0.3	0.7	0.7	1.3	0.9	3.7
1991-00 ¹	2.1	1.3	0.5	0.2	0.2	0.5	0.3	0.7	0.5	2.0
2001-10 ¹	1.5	0.9	0.3	0.2	0.1	0.4	0.2	0.4	0.3	1.2
1999	1.7	1.5	0.5	0.2	0.2	0.5	0.3	0.6	0.4	1.8
2000	2.1	1.0	0.6	0.4	0.2	0.5	0.4	0.5	0.5	1.9
2001	1.9	1.2	0.5	0.2	0.2	0.6	0.2	0.6	0.3	1.7
2002	2.1	1.0	0.3	0.2	0.1	0.3	0.3	0.6	0.3	1.5
2003	1.8	1.2	0.4	0.2	0.1	0.3	0.3	0.4	0.4	1.5
2004	1.5	1.2	0.4	0.2	0.1	0.3	0.2	0.5	0.3	1.3
2005	1.3	0.8	0.3	0.1	0.1	0.3	0.2	0.3	0.3	1.1
2006	1.3	0.8	0.3	0.2	0.1	0.3	0.2	0.3	0.3	1.2
2007	1.0	0.8	0.2	0.1	0.1	0.4	0.1	0.2	0.3	1.0
2008	1.3	0.8	0.3	0.1	0.1	0.4	0.1	0.3	0.3	1.1
2009	1.3	0.6	0.2	0.1	0.1	0.3	0.2	0.3	0.3	1.0
2010	1.4	0.6	0.3	0.1	0.1	0.3	0.1	0.4	0.3	1.0
2011	1.2	0.8	0.2	0.2	0.1	0.3	0.2	0.3	0.2	1.0

¹ Decennial average.**Table 4.5 Comparable¹ stillbirth and perinatal mortality rates in Ireland² and neighbouring countries, 1984-2011**

Year	Stillbirth rate				Perinatal mortality rate			
	Ireland	Northern Ireland	England and Wales	Scotland	Ireland	Northern Ireland	England and Wales	Scotland
1984	(8.4)	(5.8)	(5.7)	(5.8)	(13.6)	(10.8)	(10.1)	(11.0)
1985	(8.2)	(6.4)	(5.5)	(5.5)	(12.3)	(11.1)	(9.8)	(9.8)
1986	(7.7)	(4.4)	(5.3)	(5.8)	(11.8)	(9.5)	(9.6)	(10.2)
1987	(7.1)	(6.1)	(5.0)	(5.1)	(10.4)	(9.8)	(8.9)	(8.9)
1988	(7.0)	(5.0)	(4.9)	(5.4)	(11.3)	(9.3)	(8.7)	(8.9)
1989	(6.3)	(5.1)	(4.7)	(5.0)	(10.4)	(8.2)	(8.3)	(8.7)
1990	(6.1)	(4.4)	(4.6)	(5.3)	(10.2)	(7.6)	(8.1)	(8.7)
1991	(5.7)	(4.7)	(4.6)	(5.5)	(9.5)	(8.4)	(8.0)	(8.6)
1992	(5.5)	(4.6)	(4.3)	(4.9)	(9.3)	(8.0)	(7.6)	(8.5)
1993	(5.9)	(4.1)	(4.4)	(4.8)	(9.1)	(7.7)	(7.6)	(8.0)
1994	(6.1)	(5.2)	(4.4)	(4.5)	(9.3)	(8.6)	(7.6)	(7.4)
1995	6.7 (5.2)	6.1 (4.5)	5.5 (4.2)	6.6 (4.9)	10.6 (9.1)	10.4 (8.9)	8.8 (7.4)	9.6 (7.9)
1996	6.6 (5.1)	6.2 (4.7)	5.4 (4.0)	6.4 (5.0)	10.0 (8.6)	9.4 (7.8)	8.6 (7.2)	9.2 (7.9)
1997	6.0 (5.4)	5.4 (4.1)	5.3 (3.9)	5.3 (4.1)	9.6 (8.1)	8.6 (7.3)	8.3 (6.9)	7.8 (6.6)
1998	6.0 (4.7)	5.1 (3.7)	5.3 (4.0)	6.1 (4.5)	9.5 (8.1)	8.1 (6.8)	8.2 (6.9)	8.7 (7.2)
1999	5.7 (4.3)	5.7 (4.6)	5.3 (3.8)	5.2 (4.0)	8.9 (7.5)	9.5 (8.2)	8.2 (6.6)	7.6 (6.4)
2000	5.9 (4.7)	4.3 (3.2)	5.3 (3.7)	5.6 (4.0)	9.0 (7.8)	6.4 (5.0)	8.2 (6.7)	8.4 (6.8)
2001	6.1 (4.5)	5.1 (4.0)	5.3 (3.8)	5.7 (4.6)	9.2 (7.5)	6.9 (6.1)	8.0 (6.4)	8.5 (7.4)
2002	6.0 (4.5)	5.7 (4.5)	5.6 (4.1)	5.4 (4.2)	9.0 (7.5)	7.6 (7.0)	8.3 (6.8)	7.6 (6.4)
2003	5.6 (4.2)	5.0 (3.8)	5.8 (4.2)	5.6 (4.5)	8.5 (7.2)	7.8 (6.4)	8.6 (7.0)	8.0 (6.9)
2004	5.2 (3.8)	5.0 (3.5)	5.7 (4.1)	5.8 (4.4)	7.8 (6.5)	7.8 (6.5)	8.4 (6.6)	8.1 (6.7)
2005	4.1 (3.2)	4.0 (3.1)	5.4 (3.8)	5.3 (4.1)	6.2 (5.3)	6.9 (6.0)	8.0 (6.5)	7.7 (6.5)
2006	3.8 (3.0)	3.8 (3.1)	5.4 (3.8)	5.3 (4.0)	6.0 (5.2)	6.5 (6.0)	8.0 (6.5)	7.4 (6.2)
2007	4.4 (3.5)	4.2 (3.1)	5.2 (3.9)	5.6 (4.1)	6.2 (5.2)	7.1 (6.1)	7.7 (6.4)	7.8 (6.4)
2008	3.9 (2.9)	4.5 (3.5)	5.1 (3.8)	5.4 (4.3)	6.0 (5.1)	7.5 (6.5)	7.6 (6.1)	7.4 (6.4)
2009	3.9 (3.0)	4.8 (3.9)	5.2 (3.8)	5.3 (4.0)	5.7 (4.8)	7.9 (7.1)	7.6 (6.2)	7.4 (6.0)
2010	3.6 (2.7)	4.1 (3.4)	5.1 (3.8)	4.9 (3.6)	5.7 (4.8)	8.0 (7.3)	7.4 (6.1)	6.9 (5.6)
2011	2.8 (2.2)	3.6 (2.9)	5.2 (3.9)	5.1 (3.8)	4.8 (4.2)	6.4 (5.8)	7.5 (6.1)	6.9 (5.6)

¹ For comparison purposes, the rates in the table are based on foetal deaths at or over 500g or at a gestational age of 24 weeks or more. The rates in brackets refer to foetal deaths at over 28 weeks gestation.² Exclusive of Northern Ireland.

Table 4.6 Infant mortality - deaths under 1 year in 2011, classified by sex, age and cause

ICD-10 code	Cause of death	Sex	Total under 1 year	Under 30 mins	30 mins & under 1 day	Total under 1 day	Total under 7 days	Days			Total under 4 weeks	4 weeks & under 1 Year
							7-13	14-20	21-27			
A00-Y89	All causes	M	150	13	30	43	81	13	13	4	111	39
		F	112	7	38	45	66	5	4	2	77	35
G00-H95	Diseases of the nervous system and the sense organs	M	3	-	-	-	-	1	-	1	2	1
		F	2	-	-	-	-	-	-	-	-	2
of which:												
G00-G03	Meningitis	M	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-
P00-P96	Certain conditions originating in the perinatal period	M	62	7	20	27	47	7	3	1	58	4
		F	40	5	19	24	34	1	1	-	36	4
of which:												
P00-P04	Foetus or newborn affected by maternal factors and by complications of pregnancy, labour and delivery	M	9	1	6	7	9	-	-	-	9	-
		F	5	3	1	4	5	-	-	-	5	-
P05-P08	Disorders related to length of gestation and fetal growth	M	24	4	10	14	21	1	1	-	23	1
		F	15	2	10	12	14	-	-	-	14	1
P10-P15	Birth Trauma	M	2	-	-	-	2	-	-	-	2	-
		F	1	-	-	-	1	-	-	-	1	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	M	8	2	4	6	7	-	-	-	7	1
		F	12	-	5	5	8	-	1	-	9	3
P35-P39	Infections specific to the perinatal period	M	6	-	-	-	2	2	1	-	5	1
		F	1	-	-	-	-	1	-	-	1	-
P50-P61	Haemorrhagic & haematological disorders of fetus and newborn	M	7	-	-	-	4	2	1	-	7	-
		F	4	-	2	2	4	-	-	-	4	-
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	M	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-
P75-P78	Digestive system disorders of fetus and newborn	M	4	-	-	-	1	1	-	1	3	1
		F	-	-	-	-	-	-	-	-	-	-
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	M	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-
P90-P96	Other disorders originating in the perinatal period	M	2	-	-	-	1	1	-	-	2	-
		F	1	-	-	-	1	-	-	-	1	-
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	M	60	6	10	16	33	4	7	2	46	14
		F	56	1	19	20	29	3	3	2	37	19
of which:												
Q00-Q07	Congenital malformations of the nervous system	M	8	-	4	4	7	-	-	-	7	1
		F	13	1	6	7	9	1	-	1	11	2

Table 4.6 (continued) Infant mortality - deaths under 1 year in 2011, classified by sex, age and cause

ICD-10 code	Cause of death	Sex	Total under 1 year	Under 30 mins	30 mins & under 1 day	Total under 1 day	Total under 7 days	Days			Total under 4 weeks	4 weeks & under 1 Year
								7-13	14-20	21-27		
Q10-Q18	Congenital malformations of eye, ear, face and neck	M	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	M	20	-	3	3	7	2	5	2	16	4
		F	15	-	2	2	4	1	1	1	7	8
Q30-Q34	Congenital malformations of the respiratory system	M	2	1	1	2	2	-	-	-	2	-
		F	2	-	1	1	1	-	-	-	1	1
Q35-Q37	Cleft lip and cleft palate	M	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	1
Q38-Q45	Other congenital malformations of the digestive system	M	3	-	-	-	2	-	-	-	2	1
		F	1	-	-	-	1	-	-	-	1	-
Q50-Q56	Congenital malformations of genital organs	M	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	M	4	2	1	3	4	-	-	-	4	-
		F	1	-	1	1	1	-	-	-	1	-
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	M	4	1	-	1	2	-	-	-	2	2
		F	4	-	2	2	2	-	1	-	3	1
Q80-Q89	Other congenital malformations	M	6	-	-	-	2	-	2	-	4	2
		F	4	-	2	2	2	1	-	-	3	1
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	M	13	2	1	3	7	2	-	-	9	4
		F	15	-	5	5	9	-	1	-	10	5
R95	Sudden infant death syndrome	M	11	-	-	-	-	1	-	-	1	10
		F	9	1	-	1	1	-	-	-	1	8
	All other causes	M	14	-	-	-	1	-	3	-	4	10
		F	5	-	-	-	2	1	-	-	3	2

Table 4.7 Infant mortality - deaths under 1 year in 2011, classified by age under 4 weeks, age 4 weeks to one year, sex and cause, assigned to each Province

ICD-10 code	Cause of death	Age	Total		Leinster		Munster		Connacht		Ulster (Part of)	
			M	F	M	F	M	F	M	F	M	F
A00-Y89	All causes	Under 4 weeks	111	77	62	35	29	23	16	12	4	7
		4 weeks to 1 year	39	35	19	18	14	13	4	4	2	-
G00-H95	Diseases of the nervous system and the sense organs	Under 4 weeks	2	-	-	-	-	-	2	-	-	-
	<i>of which:</i>	4 weeks to 1 year	1	2	-	1	-	1	1	-	-	-
G00-G03	Meningitis	Under 4 weeks	-	-	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
P00-P96	Certain conditions originating in the perinatal period	Under 4 weeks	58	36	30	17	18	9	9	8	1	2
	<i>of which:</i>	4 weeks to 1 year	4	4	2	3	1	1	-	-	1	-
P00-P04	Foetus or newborn affected by maternal factors and by complications of pregnancy, labour and delivery	Under 4 weeks	9	5	7	4	2	-	-	-	-	1
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
P05-P08	Disorders related to length of gestation and fetal growth	Under 4 weeks	23	14	6	5	12	5	5	3	-	1
		4 weeks to 1 year	1	1	1	1	-	-	-	-	-	-
P10-P15	Birth Trauma	Under 4 weeks	2	1	1	1	1	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	Under 4 weeks	7	9	5	4	-	1	2	4	-	-
		4 weeks to 1 year	1	3	-	2	-	1	-	-	1	-
P35-P39	Infections specific to the perinatal period	Under 4 weeks	5	1	3	-	-	1	1	-	1	-
		4 weeks to 1 year	1	-	1	-	-	-	-	-	-	-
P50-P61	Haemorrhagic & haematological disorders of fetus and newborn	Under 4 weeks	7	4	6	1	1	2	-	1	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	Under 4 weeks	-	-	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
P75-P78	Digestive system disorders of fetus and newborn	Under 4 weeks	3	-	1	-	1	-	1	-	-	-
		4 weeks to 1 year	1	-	-	-	1	-	-	-	-	-
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	Under 4 weeks	-	1	-	1	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
P90-P96	Other disorders originating in the perinatal period	Under 4 weeks	2	1	1	1	1	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	Under 4 weeks	46	37	29	15	10	14	5	4	2	4
	<i>of which:</i>	4 weeks to 1 year	14	19	6	10	7	6	-	3	1	-
Q00-Q07	Congenital malformations of the nervous system	Under 4 weeks	7	11	3	5	2	2	-	3	2	1
		4 weeks to 1 year	1	2	1	1	-	1	-	-	-	-
Q10-Q18	Congenital malformations of eye, ear, face and neck	Under 4 weeks	-	-	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	Under 4 weeks	16	7	11	1	4	4	1	-	-	2
		4 weeks to 1 year	4	8	2	2	1	4	-	2	1	-
Q30-Q34	Congenital malformations of the respiratory system	Under 4 weeks	2	1	1	-	1	1	-	-	-	-
		4 weeks to 1 year	-	1	-	1	-	-	-	-	-	-
Q35-Q37	Cleft lip and cleft palate	Under 4 weeks	-	-	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	1	-	1	-	-	-	-	-	-
Q38-Q45	Other congenital malformations of the digestive system	Under 4 weeks	2	1	1	1	1	-	-	-	-	-
		4 weeks to 1 year	1	-	-	-	1	-	-	-	-	-
Q50-Q56	Congenital malformations of genital organs	Under 4 weeks	-	-	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	Under 4 weeks	4	1	4	-	-	-	-	1	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-	-	-
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	Under 4 weeks	2	3	1	1	-	2	1	-	-	-
		4 weeks to 1 year	2	1	-	1	2	-	-	-	-	-
Q80-Q89	Other congenital malformations	Under 4 weeks	4	3	4	3	-	-	-	-	-	-
		4 weeks to 1 year	2	1	2	1	-	-	-	-	-	-
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	Under 4 weeks	9	10	4	4	2	5	3	-	-	1
		4 weeks to 1 year	4	5	1	3	3	1	-	1	-	-
R95	Sudden infant death syndrome	Under 4 weeks	1	1	1	1	-	-	-	-	-	-
		4 weeks to 1 year	10	8	5	3	3	4	2	1	-	-
	All other causes	Under 4 weeks	4	3	2	2	1	-	-	-	1	1
		4 weeks to 1 year	10	2	6	1	3	1	1	-	-	-

Table 4.8 Infant mortality - deaths under 1 year in 2011, classified by sex and cause, assigned to each Regional Authority

ICD-10 code	Cause of death	Border		Midland		West		Dublin		Mid-East		Mid-West		South-East		South-West	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A00-Y89	All causes	12	14	10	6	16	12	33	28	26	11	17	13	18	9	18	19
G00-H95	Diseases of the nervous system and the sense organs	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	1
	<i>of which:</i>																
G00-G03	Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P00-P96	Certain conditions originating in the perinatal period	5	4	3	0	6	7	12	14	12	4	9	4	8	2	7	5
	<i>of which:</i>																
P00-P04	Foetus or newborn affected by maternal factors and by complications of pregnancy, labour and delivery	-	1	-	-	-	-	2	3	5	1	2	-	-	-	-	-
P05-P08	Disorders related to length of gestation and fetal growth	2	2	-	-	3	2	3	3	1	3	5	1	5	1	5	3
P10-P15	Birth Trauma	-	1	-	-	-	-	1	-	-	-	1	-	-	-	-	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	2	-	1	-	1	4	-	6	3	-	-	-	1	-	-	2
P35-P39	Infections specific to the perinatal period	1	-	-	-	1	-	3	-	1	-	-	1	-	-	-	-
P50-P61	Haemorrhagic & haematological disorders of fetus and newborn	-	-	1	-	-	1	3	1	2	-	1	2	-	-	-	-
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P75-P78	Digestive system disorders of fetus and newborn	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	-
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
P90-P96	Other disorders originating in the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	5	9	6	4	4	4	15	10	10	5	6	6	8	7	6	11
	<i>of which:</i>																
Q00-Q07	Congenital malformations of the nervous system	3	3	1	-	-	2	1	3	1	1	1	1	1	2	-	1
Q10-Q18	Congenital malformations of eye, ear, face and neck	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	1	4	2	1	1	-	7	2	2	-	-	2	4	1	3	5
Q30-Q34	Congenital malformations of the respiratory system	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	1
Q35-Q37	Cleft lip and cleft palate	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Q38-Q45	Other congenital malformations of the digestive system	-	1	-	-	-	-	-	-	1	-	-	-	-	-	2	-
Q50-Q56	Congenital malformations of genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	-	-	1	-	-	1	-	-	3	-	-	-	-	-	-	-
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	-	-	-	1	1	-	1	1	-	-	2	2	-	-	-	-
Q80-Q89	Other congenital malformations	-	-	-	-	-	-	3	2	2	2	-	-	1	-	-	-
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	1	1	2	1	2	1	3	2	-	2	2	1	2	3	1	4
R95	Sudden infant death syndrome	-	-	1	1	2	1	3	2	1	1	1	2	1	-	2	2
	All other causes	2	1	-	1	1	-	3	1	3	1	1	1	1	-	3	-

Table 4.9 Infant mortality - deaths under 1 year in 2011, classified by age-group and cause, assigned to each Regional Authority

ICD-10 code	Cause of death	Age	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West
A00-Y89	All causes	Under 4 weeks	21	10	22	43	29	20	21	22
		4 weeks to 1 year	5	6	6	18	8	10	6	15
G00-H95	Diseases of the nervous system and the sense organs	Under 4 weeks	-	-	2	-	-	-	-	-
	<i>of which:</i>	4 weeks to 1 year	-	-	1	1	-	-	-	1
G00-G03	Meningitis	Under 4 weeks	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
P00-P96	Certain conditions originating in the perinatal period	Under 4 weeks	8	3	13	22	15	13	10	10
	<i>of which:</i>	4 weeks to 1 year	1	-	-	4	1	-	-	2
P00-P04	Foetus or newborn affected by maternal factors and by complications of pregnancy, labour and delivery	Under 4 weeks	1	-	-	5	6	2	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
P05-P08	Disorders related to length of gestation and fetal growth	Under 4 weeks	4	-	5	4	4	6	6	8
		4 weeks to 1 year	-	-	-	2	-	-	-	-
P10-P15	Birth Trauma	Under 4 weeks	1	-	-	1	-	1	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	Under 4 weeks	1	1	5	4	3	-	1	1
		4 weeks to 1 year	1	-	-	2	-	-	-	1
P35-P39	Infections specific to the perinatal period	Under 4 weeks	1	-	1	3	-	1	-	-
		4 weeks to 1 year	-	-	-	-	1	-	-	-
P50-P61	Haemorrhagic & haematological disorders of fetus and newborn	Under 4 weeks	-	1	1	4	2	3	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	Under 4 weeks	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
P75-P78	Digestive system disorders of fetus and newborn	Under 4 weeks	-	1	1	-	-	-	-	1
		4 weeks to 1 year	-	-	-	-	-	-	-	1
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	Under 4 weeks	-	-	-	1	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
P90-P96	Other disorders originating in the perinatal period	Under 4 weeks	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	Under 4 weeks	11	7	7	17	12	7	11	11
	<i>of which:</i>	4 weeks to 1 year	3	3	1	8	3	5	4	6
Q00-Q07	Congenital malformations of the nervous system	Under 4 weeks	6	1	2	4	1	1	2	1
		4 weeks to 1 year	-	-	-	-	1	1	1	-
Q10-Q18	Congenital malformations of eye, ear, face and neck	Under 4 weeks	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	Under 4 weeks	2	2	1	6	2	1	5	4
		4 weeks to 1 year	3	1	-	3	-	1	-	4
Q30-Q34	Congenital malformations of the respiratory system	Under 4 weeks	-	-	-	-	1	1	-	1
		4 weeks to 1 year	-	-	-	-	-	-	1	-
Q35-Q37	Cleft lip and cleft palate	Under 4 weeks	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	1	-	-	-	-	-	-
Q38-Q45	Other congenital malformations of the digestive system	Under 4 weeks	1	-	-	-	1	-	-	1
		4 weeks to 1 year	-	-	-	-	-	-	-	1
Q50-Q56	Congenital malformations of genital organs	Under 4 weeks	-	-	-	-	-	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	Under 4 weeks	-	1	1	-	3	-	-	-
		4 weeks to 1 year	-	-	-	-	-	-	-	-
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	Under 4 weeks	-	-	1	2	-	2	-	-
		4 weeks to 1 year	-	1	-	-	-	2	-	-
Q80-Q89	Other congenital malformations	Under 4 weeks	-	-	-	2	4	-	1	-
		4 weeks to 1 year	-	-	-	3	-	-	-	-
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	Under 4 weeks	2	3	2	3	-	2	3	4
		4 weeks to 1 year	-	-	1	2	2	1	2	1
R95	Sudden infant death syndrome	Under 4 weeks	-	-	-	2	-	-	-	-
		4 weeks to 1 year	-	2	3	3	2	3	1	4
	All other causes	Under 4 weeks	2	-	-	2	2	-	-	1
		4 weeks to 1 year	1	1	1	2	2	2	1	2

Table 4.10a Stillbirths in 2011, classified by sex and cause, and with mention of affecting maternal factors

ICD-10 code	Cause of death	Stillbirths			With maternal factors		
		Total	Male	Female	Total	Male	Female
A00-Y89	All	211	104	107	84	39	45
P00-P96	Certain conditions originating in the perinatal period	179	87	92	80	36	44
	<i>of which :</i>						
P05-P08	Disorders related to length of gestation and fetal growth	117	58	59	56	27	29
P10-P15	Birth Trauma	-	-	-	-	-	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	9	6	3	5	3	2
P35-P39	Infections specific to the perinatal period	1	-	1	1	-	1
P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	3	-	3	1	-	1
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	1	-	1	1	-	1
P75-P78	Digestive system disorders of fetus and newborn	-	-	-	-	-	-
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	2	1	1	-	-	-
P90-P96	Other disorders in the perinatal period	46	22	24	16	6	10
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	32	17	15	4	3	1
	<i>of which :</i>						
Q00-Q07	Other congenital malformations of the nervous system	3	-	3	-	-	-
Q10-Q18	Congenital malformations of eye, ear, face and neck	1	-	1	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	2	2	-	-	-	-
Q30-Q34	Congenital malformations of the respiratory system	-	-	-	-	-	-
Q35-Q37	Cleft lip and cleft palate	-	-	-	-	-	-
Q38-Q45	Other congenital malformations of the digestive system	1	1	-	-	-	-
Q50-Q56	Congenital malformations of genital organs	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	2	1	1	1	1	-
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	3	2	1	1	1	-
Q80-Q89	Other congenital malformations	4	3	1	1	-	1
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	16	8	8	1	1	-

Table 4.10b Stillbirths in 2011, classified by maternal factors

ICD-10 code	Maternal factors of cause of death	Stillbirths		
		Total	Male	Female
A00-Y89	All causes	84	39	45
P00	Fetus and newborn affected by maternal conditions that may be unrelated to present pregnancy	8	4	4
P01	Fetus and newborn affected by maternal complications of pregnancy	25	12	13
P02	Fetus and newborn affected by complications of placenta, cord and membranes	50	23	27
P70	Transitory disorders of carbohydrate metabolism specific to fetus and newborn	1	-	1

Table 4.11 Stillbirths in 2011, classified by age of mother, sex of child and period of gestation

Age of mother	Sex of child	Period of gestation (weeks)					
		Total	Under 28	28-31	32-35	36-39	40 weeks and over
Total	Males	104	22	17	24	30	11
	Females	107	23	16	25	31	12
Under 20	Males	1	-	1	-	-	-
	Females	2	1	1	-	-	-
20-24	Males	12	2	2	5	3	-
	Females	15	3	4	3	4	1
25-29	Males	18	8	1	4	4	1
	Females	20	6	3	4	4	3
30-34	Males	29	7	7	5	6	4
	Females	31	2	5	9	12	3
35-39	Males	31	2	5	6	13	5
	Females	23	8	3	4	6	2
40 and over	Males	11	3	1	3	4	-
	Females	16	3	-	5	5	3
Not stated	Males	2	-	-	1	-	1
	Females	-	-	-	-	-	-

Table 4.12 Stillbirths in 2011, classified by age of mother and number of previous live and stillborn children

Previous children	Age of mother at maternity							
	Total	Under 20	20-24	25-29	30-34	35-39	40 and over	Not stated
Number of previous children								
Total	211	3	27	38	60	54	27	2
0	110	3	18	24	33	22	8	2
1	51	-	9	6	17	13	6	-
2	32	-	-	5	7	14	6	-
3	14	-	-	3	2	5	4	-
4 or 5	2	-	-	-	-	-	2	-
6 or more	2	-	-	-	1	-	1	-

Table 4.13 Stillbirths in 2011, classified by cause and period of gestation

ICD-10 codes	Cause of death	Period of gestation					
		Total	Under 28	28-31	32-36	37-41	42 & over
A00-Y89	All causes	211	45	33	49	61	23
P00-P96	Certain conditions originating in the perinatal period	179	43	24	38	54	20
	<i>of which:</i>						
P05-P08	Disorders related to length of gestation and fetal growth	117	39	23	26	23	6
P10-P15	Birth Trauma	-	-	-	-	-	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	9	3	-	1	3	2
P35-P39	Infections specific to the perinatal period	1	-	-	-	-	1
P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	3	-	-	3	-	-
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	1	-	1	-	-	-
P75-P78	Digestive system disorders of fetus and newborn	-	-	-	-	-	-
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	2	1	-	1	-	-
P90-P96	Other disorders in the perinatal period	46	-	-	7	28	11
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	32	2	9	11	7	3
	<i>of which:</i>						
Q00-Q07	Other congenital malformations of the nervous system	3	-	1	2	-	-
Q10-Q18	Congenital malformations of eye, ear, face and neck	1	1	-	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	2	-	1	1	-	-
Q30-Q34	Congenital malformations of the respiratory system	-	-	-	-	-	-
Q35-Q37	Cleft lip and cleft palate	-	-	-	-	-	-
Q38-Q45	Other congenital malformations of the digestive system	1	-	1	-	-	-
Q50-Q56	Congenital malformations of genital organs	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	2	-	-	-	1	1
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	3	-	-	2	1	-
Q80-Q89	Other congenital malformations	4	1	1	-	1	1
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	16	-	5	6	4	1

Table 4.14 Stillbirths in 2011, classified by cause and number of previous children

ICD-10 codes	Cause of death	Number of previous children						
		Total	0	1	2	3	4 or 5	6 or more
A00-Y89	All causes	211	110	51	32	14	2	2
P00-P96	Certain conditions originating in the perinatal period	179	96	43	25	11	2	2
	of which:							
P05-P08	Disorders related to length of gestation and fetal growth	117	61	29	15	9	2	1
P10-P15	Birth Trauma	-	-	-	-	-	-	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	9	4	4	-	1	-	-
P35-P39	Infections specific to the perinatal period	1	1	-	-	-	-	-
P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	3	2	1	-	-	-	-
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	1	1	-	-	-	-	-
P75-P78	Digestive system disorders of fetus and newborn	-	-	-	-	-	-	-
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	2	-	1	1	-	-	-
P90-P96	Other disorders in the perinatal period	46	27	8	9	1	-	1
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	32	14	8	7	3	-	-
	of which:							
Q00-Q07	Other congenital malformations of the nervous system	3	1	1	1	-	-	-
Q10-Q18	Congenital malformations of eye, ear, face and neck	1	1	-	-	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	2	-	2	-	-	-	-
Q30-Q34	Congenital malformations of the respiratory system	-	-	-	-	-	-	-
Q35-Q37	Cleft lip and cleft palate	-	-	-	-	-	-	-
Q38-Q45	Other congenital malformations of the digestive system	1	1	-	-	-	-	-
Q50-Q56	Congenital malformations of genital organs	-	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	2	-	2	-	-	-	-
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	3	1	1	1	-	-	-
Q80-Q89	Other congenital malformations	4	4	-	-	-	-	-
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	16	6	2	5	3	-	-

Table 4.15 Stillbirths in 2011, classified by cause and age of mother at maternity

ICD-10 codes	Cause of death	Age of mother at maternity							Not stated
		Total	Under 20	20-24	25-29	30-34	35-39	40 & over	
A00-Y89	All causes	211	3	27	38	60	54	27	2
P00-P96	Certain conditions originating in the perinatal period	179	1	21	35	51	46	23	2
	<i>of which:</i>								
P05-P08	Disorders related to length of gestation and fetal growth	117	1	13	25	31	27	18	2
P10-P15	Birth Trauma	-	-	-	-	-	-	-	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	9	-	-	1	5	3	-	-
P35-P39	Infections specific to the perinatal period	1	-	-	-	-	-	1	-
P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	3	-	-	2	-	-	1	-
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	1	-	1	-	-	-	-	-
P75-P78	Digestive system disorders of fetus and newborn	-	-	-	-	-	-	-	-
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	2	-	-	1	1	-	-	-
P90-P96	Other disorders in the perinatal period	46	-	7	6	14	16	3	-
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	32	2	6	3	9	8	4	-
	<i>of which:</i>								
Q00-Q07	Other congenital malformations of the nervous system	3	1	1	-	-	-	1	-
Q10-Q18	Congenital malformations of eye, ear, face and neck	1	1	-	-	-	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	2	-	1	-	1	-	-	-
Q30-Q34	Congenital malformations of the respiratory system	-	-	-	-	-	-	-	-
Q35-Q37	Cleft lip and cleft palate	-	-	-	-	-	-	-	-
Q38-Q45	Other congenital malformations of the digestive system	1	-	1	-	-	-	-	-
Q50-Q56	Congenital malformations of genital organs	-	-	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	2	-	-	-	1	1	-	-
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	3	-	-	1	1	1	-	-
Q80-Q89	Other congenital malformations	4	-	-	1	3	-	-	-
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	16	-	3	1	3	6	3	-

Table 4.16 Stillbirths in 2011, classified by cause and birthweight

ICD-10 codes	Cause of death	Birthweight (grams)								
		Total	Under 1000	1000-1499	1500-1999	2000-2499	2500-2999	3000-3499	3500-3999	4000 & over
A00-Y89	All causes	211	67	33	24	24	27	20	10	6
P00-P96	Certain conditions originating in the perinatal period	179	60	25	16	22	22	18	10	6
	<i>of which:</i>									
P05-P08	Disorders related to length of gestation and fetal growth	117	56	24	14	20	2	1	-	-
P10-P15	Birth Trauma	-	-	-	-	-	-	-	-	-
P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	9	1	1	2	-	-	3	-	2
P35-P39	Infections specific to the perinatal period	1	-	-	-	-	-	-	-	1
P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	3	1	-	-	2	-	-	-	-
P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	1	1	-	-	-	-	-	-	-
P75-P78	Digestive system disorders of fetus and newborn	-	-	-	-	-	-	-	-	-
P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	2	1	-	-	-	-	-	-	1
P90-P96	Other disorders in the perinatal period	46	-	-	-	-	20	14	10	2
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	32	7	8	8	2	5	2	-	-
	<i>of which:</i>									
Q00-Q07	Other congenital malformations of the nervous system	3	2	1	-	-	-	-	-	-
Q10-Q18	Congenital malformations of eye, ear, face and neck	1	1	-	-	-	-	-	-	-
Q20-Q28	Congenital malformations of the circulatory system	2	-	-	2	-	-	-	-	-
Q30-Q34	Congenital malformations of the respiratory system	-	-	-	-	-	-	-	-	-
Q35-Q37	Cleft lip and cleft palate	-	-	-	-	-	-	-	-	-
Q38-Q45	Other congenital malformations of the digestive system	1	-	1	-	-	-	-	-	-
Q50-Q56	Congenital malformations of genital organs	-	-	-	-	-	-	-	-	-
Q60-Q64	Congenital malformations of the urinary system	2	-	-	-	-	1	1	-	-
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	3	-	1	1	-	-	1	-	-
Q80-Q89	Other congenital malformations	4	2	-	-	1	1	-	-	-
Q90-Q99	Chromosomal abnormalities, not elsewhere classified	16	2	5	5	1	3	-	-	-