

# The Registrar General's Quarterly Report

9.30am – Tuesday 30 September 2009

## Births/Stillbirths: April to June 2009

- The number of births registered in the quarter under review was 6,291 (3,238 males and 3,053 females). The annualised rate was 14.2 births per 1,000 of the estimated population, which is 0.1 below the rate for the corresponding quarter of 2008.
- Live births outside marriage numbered 2,445, which represented 38.9 per cent of the total live births registered.
- The number of stillbirths registered was 23 and the rate was 3.6 stillbirths per 1,000 births.

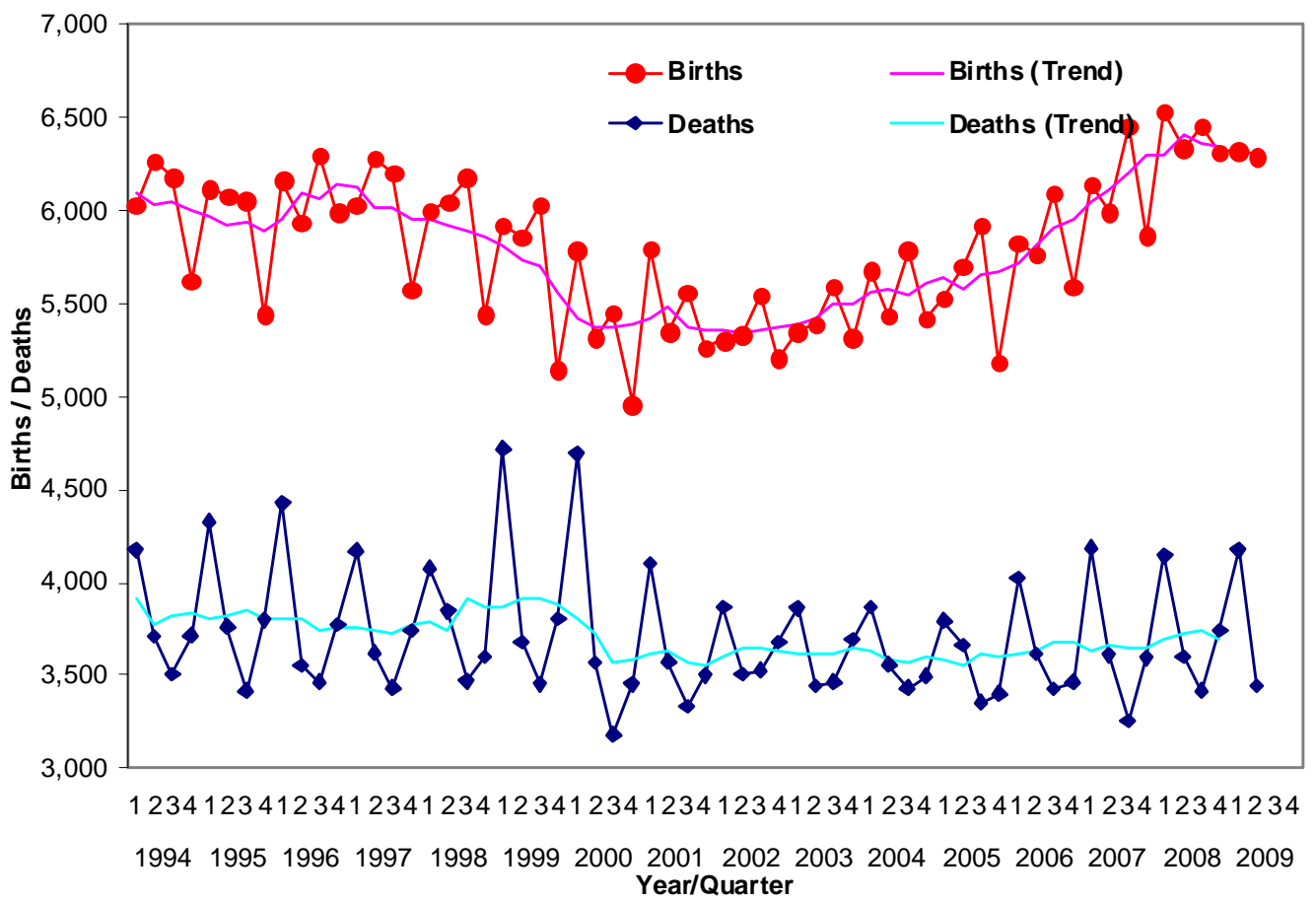
## Deaths: April to June 2009

- Deaths registered during the quarter numbered 3,442 (1,638 males and 1,804 females). The annualised rate was 7.8 deaths per 1,000 of the estimated population, which was 0.3 below that for the corresponding quarter of 2008.
- Deaths registered of children aged under one year numbered 31, representing an infant mortality rate of 4.8 infant deaths per 1,000 live births registered, in the corresponding quarter of 2008 there were 30 infant deaths registered.
- The number of deaths from cancer totalled 953, comprising of 485 males and 468 females. Cancer deaths accounted for 27.7 per cent of the total deaths in this quarter. The number of deaths from ischaemic heart disease totalled 545 comprising of 298 males and 247 females deaths. These accounted for 15.8 per cent of the total deaths in the quarter.

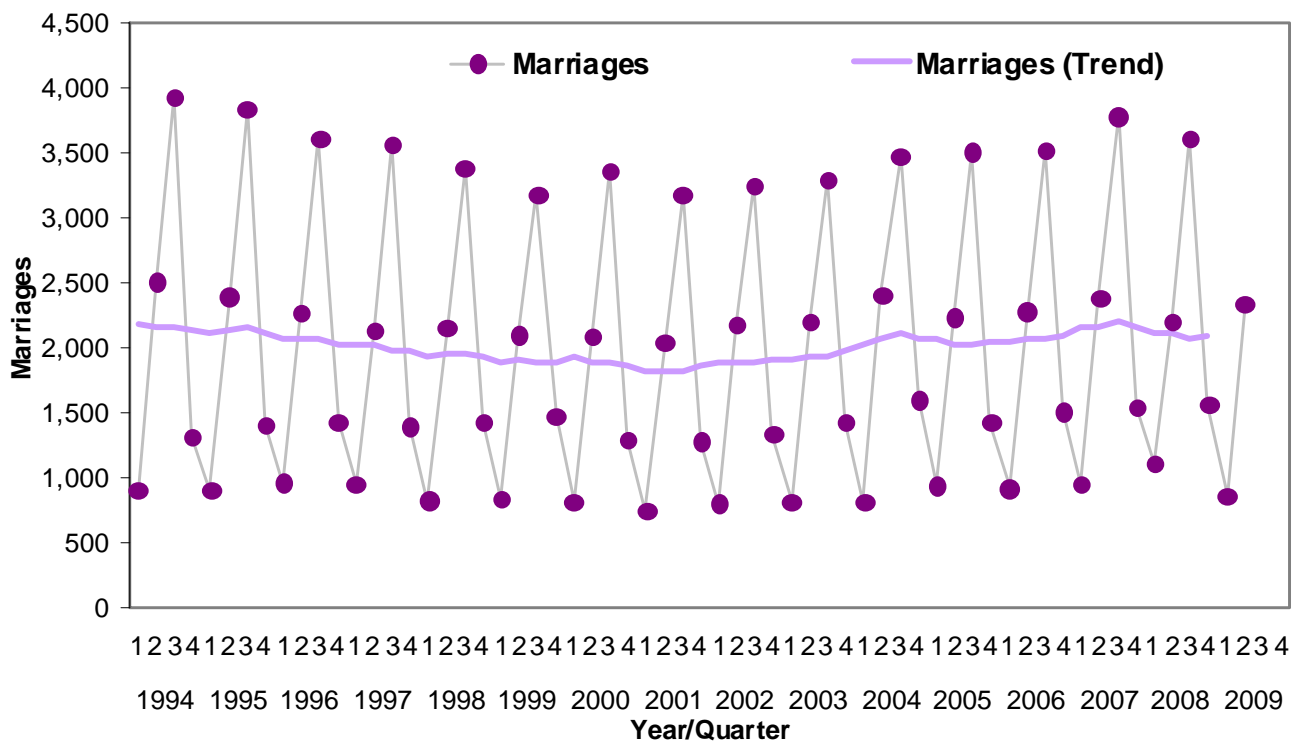
## Marriages and Civil Partnerships: April to June 2009

- Marriages registered during the second quarter of 2009 numbered 2,348, which was 140 more than that registered in the corresponding quarter of 2008.
- In the second quarter of 2009, 24 civil partnerships were registered. In the corresponding quarter of 2008, 23 civil partnerships were registered.

**Figure 1a. QUARTERLY BIRTHS and DEATHS, 1994 to 2009 (Q2)**



**Figure 1b. QUARTERLY MARRIAGES, 1994 to 2009 (Q2)**



**Table 1a. BIRTH, MARRIAGE AND CIVIL PARTNERSHIP STATISTICS BY QUARTER FROM QUARTER 1 2004**

REG. YEAR	REG. QUARTER	BIRTHS		OUTSIDE MARRIAGE (%)	BIRTHS TO TEENAGE MOTHERS <sup>2</sup>		BIRTHS TO MOTHERS AGED 30 AND OVER		MARRIAGES	CIVIL MARRIAGES (%)	CIVIL PARTNERSHIPS
		NUMBER	RATE <sup>1</sup>		NUMBER	%	NUMBER	%			
2004	1st	5,677	13.3	35.2	401	7.1	2,834	49.9	822	41.1	
	2nd	5,435	12.7	33.7	337	6.2	2,810	51.7	2,414	31.4	
	3rd	5,786	13.5	33.9	387	6.7	2,959	51.1	3,485	27.1	
	4th	5,420	12.7	35.3	361	6.7	2,702	49.9	1,607	36.3	
2005	1st	5,530	12.8	36.3	357	6.5	2,763	50.0	948	39.3	
	2nd	5,700	13.2	35.9	346	6.1	2,880	50.5	2,238	26.8	
	3rd	5,918	13.7	35.8	359	6.1	3,018	51.0	3,515	23.5	
	4th	5,180	12.0	37.3	333	6.4	2,598	50.2	1,439	30.0	12*
2006	1st	5,822	13.4	37.0	339	5.8	2,950	50.7	928	37.1	31
	2nd	5,765	13.2	38.1	367	6.4	2,819	48.9	2,287	30.3	35
	3rd	6,090	14.0	37.5	365	6.0	3,077	50.5	3,528	25.5	31
	4th	5,595	12.9	39.3	356	6.4	2,773	49.6	1,516	33.8	19
2007	1st	6,144	14.0	38.3	378	6.2	3,063	49.9	956	37.6	22
	2nd	5,994	13.6	36.5	321	5.4	3,052	50.9	2,389	31.0	29
	3rd	6,450	14.7	38.6	381	5.9	3,194	49.5	3,791	24.9	38
	4th	5,863	13.3	38.0	325	5.5	2,920	49.8	1,551	32.9	22
2008	1st	6,534	14.7	39.6	401	6.1	3,151	48.2	1,118	36.9	18
	2nd	6,333	14.3	38.4	349	5.5	3,085	48.7	2,208	29.3	23
	3rd	6,450	14.5	38.6	350	5.4	3,210	49.8	3,612	24.4	23
	4th	6,314	14.2	38.9	326	5.2	3,160	50.0	1,572	33.7	22
2009	1st	6,322	14.2	40.9	367	5.8	3,023	47.8	873	36.7	14
	2nd	6,291	14.2	38.9	311	4.9	3,096	49.2	2,348	29.2	24

<sup>1</sup> Rate per 1,000 population

<sup>2</sup> Mothers aged under 20

Civil Partnerships introduced in December 2005

**Table 1b. STILLBIRTH AND DEATH STATISTICS BY QUARTER FROM QUARTER 1 2004**

REG. YEAR	REG. QUARTER	STILL-BIRTHS	DEATHS		INFANT DEATHS	DUE TO CANCER	DUE TO ISCHAEMIC HEART DISEASE	DUE TO RESPIRATORY DISEASE	DUE TO SUICIDE	MRSA RELATED DEATHS	C. DIFFICILE RELATED DEATHS
			NUMBER	RATE <sup>1</sup>							
<b>2004</b>	<b>1st</b>	27	3,867	9.0	31	935	761	628	37	11	16
	<b>2nd</b>	33	3,558	8.3	32	920	657	458	37	5	14
	<b>3rd</b>	26	3,434	8.0	35	940	658	425	37	14	7
	<b>4th</b>	27	3,495	8.2	24	962	699	439	35	14	7
<b>2005</b>	<b>1st</b>	30	3,796	8.8	29	946	716	613	45	16	11
	<b>2nd</b>	19	3,665	8.5	41	971	694	506	51	16	7
	<b>3rd</b>	17	3,358	7.8	39	927	618	374	67	21	9
	<b>4th</b>	23	3,405	7.9	31	891	680	428	50	16	8
<b>2006</b>	<b>1st</b>	24	4,022	9.2	31	1,004	761	590	54	18	20
	<b>2nd</b>	23	3,619	8.3	27	949	636	521	82	9	16
	<b>3rd</b>	27	3,427	7.9	30	963	594	407	80	8	15
	<b>4th</b>	15	3,464	8.0	33	932	565	464	75	21	12
<b>2007</b>	<b>1st</b>	23	4,188	9.5	42	995	715	659	65	12	15
	<b>2nd</b>	25	3,612	8.2	31	967	632	458	47	18	15
	<b>3rd</b>	27	3,253	7.4	30	951	535	403	56	7	17
	<b>4th</b>	27	3,596	8.2	20	957	612	472	74	22	30
<b>2008</b>	<b>1st</b>	26	4,145	9.3	31	1,016	685	674	64	22	58
	<b>2nd</b>	26	3,599	8.1	30	946	612	508	62	30	37
	<b>3rd</b>	32	3,419	7.7	25	1,035	546	402	64	17	50
	<b>4th</b>	31	3,744	8.4	37	974	567	512	92	15	46
<b>2009</b>	<b>1st</b>	38	4,177	9.4	42	978	695	706	69	17	44
	<b>2nd</b>	23	3,442	7.8	31	953	545	472	68	16	31

<sup>1</sup> Rate per 1,000 population

**Table 2. VITAL STATISTICS BY REGISTRATION MONTH FROM JANUARY 2006**

<b>REGISTRATION YEAR</b>	<b>REGISTRATION MONTH</b>	<b>BIRTHS</b>	<b>STILLBIRTHS</b>	<b>DEATHS</b>	<b>MARRIAGES</b>	<b>CIVIL PARTNERSHIPS</b>
<b>2006</b>	<b>January</b>	2,169	9	1,367	290	7
	<b>February</b>	1,714	7	1,180	251	10
	<b>March</b>	1,939	8	1,475	387	14
	<b>April</b>	1,762	9	1,179	570	6
	<b>May</b>	2,028	5	1,238	755	10
	<b>June</b>	1,975	9	1,202	962	19
	<b>July</b>	1,981	10	1,148	1,130	9
	<b>August</b>	2,086	7	1,145	1,309	14
	<b>September</b>	2,023	10	1,134	1,089	8
	<b>October</b>	2,094	6	1,230	756	9
	<b>November</b>	1,966	5	1,187	385	4
	<b>December</b>	1,535	4	1,047	375	6
<b>2007</b>	<b>January</b>	2,402	7	1,551	311	6
	<b>February</b>	1,807	5	1,333	282	11
	<b>March</b>	1,935	11	1,304	363	5
	<b>April</b>	1,958	8	1,270	635	9
	<b>May</b>	2,071	11	1,214	798	12
	<b>June</b>	1,965	6	1,128	956	8
	<b>July</b>	2,141	15	1,132	1,328	16
	<b>August</b>	2,219	7	1,144	1,385	11
	<b>September</b>	2,090	5	977	1,078	11
	<b>October</b>	2,277	8	1,277	740	9
	<b>November</b>	1,962	10	1,205	418	5
	<b>December</b>	1,624	9	1,114	393	8
<b>2008</b>	<b>January</b>	2,660	12	1,579	316	5
	<b>February</b>	1,981	7	1,252	290	7
	<b>March</b>	1,893	7	1,314	512	6
	<b>April</b>	2,281	11	1,318	534	6
	<b>May</b>	1,984	10	1,115	705	9
	<b>June</b>	2,068	5	1,166	969	8
	<b>July</b>	2,228	5	1,195	1,074	8
	<b>August</b>	2,069	12	1,021	1,339	11
	<b>September</b>	2,153	15	1,203	1,199	4
	<b>October</b>	2,399	18	1,196	710	9
	<b>November</b>	1,998	3	1,129	392	7
	<b>December</b>	1,917	10	1,419	470	6
<b>2009</b>	<b>January</b>	2,335	10	1,677	263	8
	<b>February</b>	1,901	17	1,248	259	2
	<b>March</b>	2,086	11	1,252	351	4
	<b>April</b>	2,122	9	1,160	645	12
	<b>May</b>	1,976	8	1,075	739	7
	<b>June</b>	2,193	6	1,207	964	5

**Table 3. VITAL STATISTICS BY AREA (Registered between 1 April 2009 and 30 June 2009)**

AREA <sup>1</sup>	ESTIMATED POPULATION 30 JUNE 2008	EVENTS REGISTERED										
		BIRTHS				STILL BIRTHS	DEATHS BY AGE			CAUSE OF DEATH		MARRIAGES
		LIVE BIRTHS	BIRTH RATE <sup>1</sup>	OUTSIDE MARRIAGE			ALL AGES	DEATH RATE <sup>1</sup>	UNDER 1 YEAR	CANCER	ISCHAEMIC HEART DISEASE	
		NUMBER	%									
<b>Northern Ireland</b>	<b>1,775,000</b>	<b>6,291</b>	<b>14.2</b>	<b>2,445</b>	<b>39</b>	<b>23</b>	<b>3,442</b>	<b>7.8</b>	<b>31</b>	<b>953</b>	<b>545</b>	<b>2,348</b>
<b>Eastern Board</b>	<b>675,600</b>	<b>2,304</b>	<b>13.6</b>	<b>1,019</b>	<b>44</b>	<b>5</b>	<b>1,506</b>	<b>8.9</b>	<b>13</b>	<b>384</b>	<b>230</b>	<b>855</b>
Ards	77,600	222	11.4	73	33	-	142	7.3	1	41	23	79
Belfast	268,300	969	14.4	543	56	4	676	10.1	4	161	111	383
Castlereagh	66,200	191	11.5	65	34	-	149	9.0	-	35	26	49
Down	69,800	261	15.0	103	39	-	135	7.7	3	46	14	109
Lisburn	114,800	437	15.2	162	37	1	209	7.3	4	49	30	118
North Down	78,900	224	11.4	73	33	-	195	9.9	1	52	26	117
<b>Northern Board</b>	<b>453,800</b>	<b>1,528</b>	<b>13.5</b>	<b>523</b>	<b>34</b>	<b>8</b>	<b>856</b>	<b>7.5</b>	<b>6</b>	<b>264</b>	<b>145</b>	<b>599</b>
Antrim	53,200	215	16.2	85	40	3	102	7.7	2	30	17	59
Ballymena	62,700	207	13.2	73	35	1	118	7.5	1	35	28	109
Ballymoney	30,100	107	14.2	39	36	1	59	7.8	-	19	6	37
Carrickfergus	40,000	98	9.8	34	35	-	76	7.6	-	16	12	44
Coleraine	57,000	145	10.2	58	40	-	111	7.8	1	33	19	90
Cookstown	35,900	136	15.1	34	25	-	59	6.6	-	18	13	61
Larne	31,300	80	10.2	35	44	-	66	8.4	-	26	9	49
Magherafelt	43,800	188	17.2	35	19	2	71	6.5	1	22	15	55
Moyle	16,900	56	13.3	19	34	-	27	6.4	-	9	5	28
Newtownabbey	82,700	296	14.3	111	38	1	167	8.1	1	56	21	67
<b>Southern Board</b>	<b>348,700</b>	<b>1,435</b>	<b>16.5</b>	<b>472</b>	<b>33</b>	<b>6</b>	<b>585</b>	<b>6.7</b>	<b>7</b>	<b>172</b>	<b>77</b>	<b>447</b>
Armagh	58,200	233	16.0	72	31	1	112	7.7	-	32	11	92
Banbridge	47,000	181	15.4	55	30	-	78	6.6	-	22	15	42
Craigavon	90,800	397	17.5	163	41	-	153	6.7	1	51	22	84
Dungannon	55,400	221	16.0	60	27	3	102	7.4	1	23	10	76
Newry & Mourne	97,300	403	16.6	122	30	2	140	5.8	5	44	19	153
<b>Western Board</b>	<b>296,900</b>	<b>1,024</b>	<b>13.8</b>	<b>431</b>	<b>42</b>	<b>4</b>	<b>495</b>	<b>6.7</b>	<b>5</b>	<b>133</b>	<b>93</b>	<b>447</b>
Fermanagh	62,000	184	11.9	57	31	1	129	8.3	2	33	20	132
Limavady	34,100	107	12.5	35	33	-	50	5.9	-	12	9	50
Derry	109,100	428	15.7	228	53	1	174	6.4	3	52	30	143
Omagh	52,100	166	12.7	54	33	1	72	5.5	-	17	19	78
Strabane	39,600	139	14.0	57	41	1	70	7.1	-	19	15	44

<sup>1</sup> Rate per 1,000 population

**Table 4. DEATHS REGISTERED DURING QUARTER ENDED 30 JUNE 2009 CLASSIFIED BY CAUSE, GENDER, HEALTH BOARD AND AGE GROUP**

ICD10 Code	Cause of Death	Gender		Health Board				Age Group								
		Males	Females	Eastern	Northern	Southern	Western	0	1-14	15-34	35-44	45-54	55-64	65-74	75-84	85+
<b>A00-Y98</b>	<b>All Causes of Death</b>	<b>1,638</b>	<b>1,804</b>	<b>1,506</b>	<b>856</b>	<b>585</b>	<b>495</b>	<b>31</b>	<b>14</b>	<b>66</b>	<b>97</b>	<b>164</b>	<b>325</b>	<b>618</b>	<b>1,080</b>	<b>1,047</b>
A00-B99	Certain Infectious and Parasitic Diseases	17	24	24	12	4	1	-	1	-	2	-	3	5	14	16
C00-D48	Neoplasms	500	484	397	274	179	134	-	4	6	22	50	154	289	324	135
<i>C00-C97</i>	<i>Malignant Neoplasms</i>	<i>485</i>	<i>468</i>	<i>384</i>	<i>264</i>	<i>172</i>	<i>133</i>	<i>-</i>	<i>4</i>	<i>6</i>	<i>21</i>	<i>47</i>	<i>153</i>	<i>286</i>	<i>311</i>	<i>125</i>
D50-D89	All Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	3	3	3	1	-	2	-	-	-	1	1	-	1	2	1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	25	39	27	12	13	12	1	1	3	2	3	9	7	21	17
F00-F99	Mental and Behavioural Disorders	38	72	56	25	22	7	-	-	-	3	3	4	2	30	68
G00-H95	Diseases of the Nervous System and the Sense Organs	55	92	70	35	16	26	-	3	2	5	5	10	14	53	55
I00-I99	Disease of the Circulatory System	500	569	465	273	168	163	-	-	4	14	35	70	163	352	431
<i>I20-I25</i>	<i>Ischaemic Heart Disease</i>	<i>298</i>	<i>247</i>	<i>230</i>	<i>145</i>	<i>77</i>	<i>93</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>6</i>	<i>18</i>	<i>48</i>	<i>94</i>	<i>182</i>	<i>197</i>
<i>I60-I69</i>	<i>Cerebrovascular Disease</i>	<i>108</i>	<i>184</i>	<i>140</i>	<i>71</i>	<i>46</i>	<i>35</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>3</i>	<i>7</i>	<i>9</i>	<i>40</i>	<i>90</i>	<i>143</i>
J00-J99	Diseases of the Respiratory System	220	252	219	110	90	53	2	1	-	4	10	24	82	177	172
K00-K93	Diseases of the Digestive System	89	91	86	40	34	20	1	1	2	13	24	24	32	41	42
L00-M99	All Diseases of Skin, Musculoskeletal System and Connective Tissue	5	18	13	4	2	4	-	-	-	1	1	1	1	10	9
N00-N99	Diseases of the Genitourinary System	28	59	32	17	15	23	-	-	-	-	-	2	9	33	43
O00-O99	Pregnancy, Childbirth and the Puerperium	-	2	-	2	-	-	-	-	-	2	-	-	-	-	-
P00-P96	Certain Conditions Originating in the Perinatal Period	7	4	4	2	4	1	11	-	-	-	-	-	-	-	-
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	14	12	10	6	3	7	13	1	4	1	1	6	-	-	-
R00-R99	Signs, Symptoms and Abnormal Clinical and Laboratory Findings, N.E.C.	11	20	21	4	3	3	2	-	-	2	1	1	-	-	25
V01-Y98	All External Causes of Morbidity and Mortality	126	63	79	39	32	39	1	2	45	25	30	17	13	23	33
<i>V01-V99</i>	<i>Transport Accidents</i>	<i>16</i>	<i>5</i>	<i>4</i>	<i>5</i>	<i>7</i>	<i>5</i>	<i>-</i>	<i>1</i>	<i>7</i>	<i>3</i>	<i>3</i>	<i>3</i>	<i>2</i>	<i>2</i>	<i>-</i>
<i>X60-X84, Y87.0</i> <i>Y10-Y34, Y87.2</i>	<i>Suicide, Self-Inflicted Injury and Events of Undetermined Intent</i>	<i>54</i>	<i>14</i>	<i>28</i>	<i>10</i>	<i>13</i>	<i>17</i>	<i>-</i>	<i>-</i>	<i>26</i>	<i>12</i>	<i>15</i>	<i>7</i>	<i>3</i>	<i>5</i>	<i>-</i>

## **GENERAL NOTES**

The figures in this report are provisional. Final figures are published in the relevant Registrar General's Annual Report.

### **Births, stillbirths, deaths, marriages and civil partnerships**

Figures relate to those registered during the quarter under review. A birth or stillbirth is assigned to the usual place of residence of the mother and figures exclude births and stillbirths to non-Northern Ireland residents. Deaths are assigned to the usual residence of the deceased, if such residence is within Northern Ireland; otherwise to the place of occurrence. Non-resident deaths are included in the figures. Marriages and Civil Partnerships are assigned to the place of ceremony.

### **Registration and Occurrence**

Vital events included in this report relate to those registered during the quarterly period. Some events may have occurred prior to this registration quarter; this is especially the case with events such as infant death or suicide, which are likely to be referred to the coroner and thus take some time to be registered. Events such as Christmas and Easter may have an affect on the timeliness of vital events registrations.

### **Birth, stillbirth and death rates**

Rates for 2008 and 2009 data are calculated on the estimated home population as at 30<sup>th</sup> June 2008, the 2009 mid-year estimate will be published in Summer 2010. All quarterly rates have been annualised by multiplying the rates by 4.

### **Stillbirth**

Refers to a child which has been issued from its mother after the 24th week of pregnancy and which did not breathe or show any other sign of life.

### **Infant mortality**

Refers to all deaths in the first year of life.

### **Cancer**

Refers to all malignant neoplasms of the lymphatic and haematopoietic tissues, including Hodgkin's disease, leukaemia and aleukaemia.

### **Cause of death coding**

Each death registered in Northern Ireland is attributed to a single cause and coded in accordance with the International Statistical Classification of Diseases, Injuries and Causes of Death (ICD). The General Register Office in Northern Ireland changed from the ninth (ICD9) to the tenth (ICD10) edition from January 2001. The ICD10 codes used for the causes of death in Tables 1b and 3 are as follows: Cancer (C00-C97); Ischaemic Heart Disease (I20-I25); Respiratory Disease (J00-J99).

### **Healthcare Associated Infections**

It is not possible to identify directly from the ICD codes all deaths where MRSA or Clostridium difficile contributed to the death. However the data in Table 1 are collated by looking for all mentions of either MRSA or Clostridium difficile on the death certificate.

### **Suicide, Self-Inflicted Injury and Events of undetermined intent**

In the UK, in considering suicide events it is conventional to include cases where the cause of death is classified as either 'Suicide and self-inflicted injury' or 'Undetermined injury'. The ICD10 codes used for 'Suicide and self-inflicted injury' are X60-X84 and Y87.0, and the ICD10 codes used for 'Undetermined injury' are Y10-Y34 and Y87.2. (Also see section above on Registration and Occurrence).

### **Seasonality**

This short report presents selected information that illustrates seasonal variations in birth, deaths and marriages in Northern Ireland. More detailed analyses of seasonality in marriages are presented in the Marriages, Divorces and Civil Partnerships Press Release 2008.

### **Further Information**

Further information on the statistics provided in this publication can be obtained from:

NISRA Customer Services

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