

# The Registrar General's Quarterly Report

9.30am – Monday 14 April 2008

## Births/Stillbirths: October to December 2007

- The number of births registered in the quarter under review was 5,863 (2,986 males and 2,877 females). The annualised rate was 13.5 births per 1,000 of the estimated population, which was 0.6 above that for the corresponding quarter of 2006.
- Live births outside marriage numbered 2,228, which represented 38.0 per cent of the total live births registered.
- The number of stillbirths registered was 27 and the rate was 4.6 stillbirths per 1,000 births.

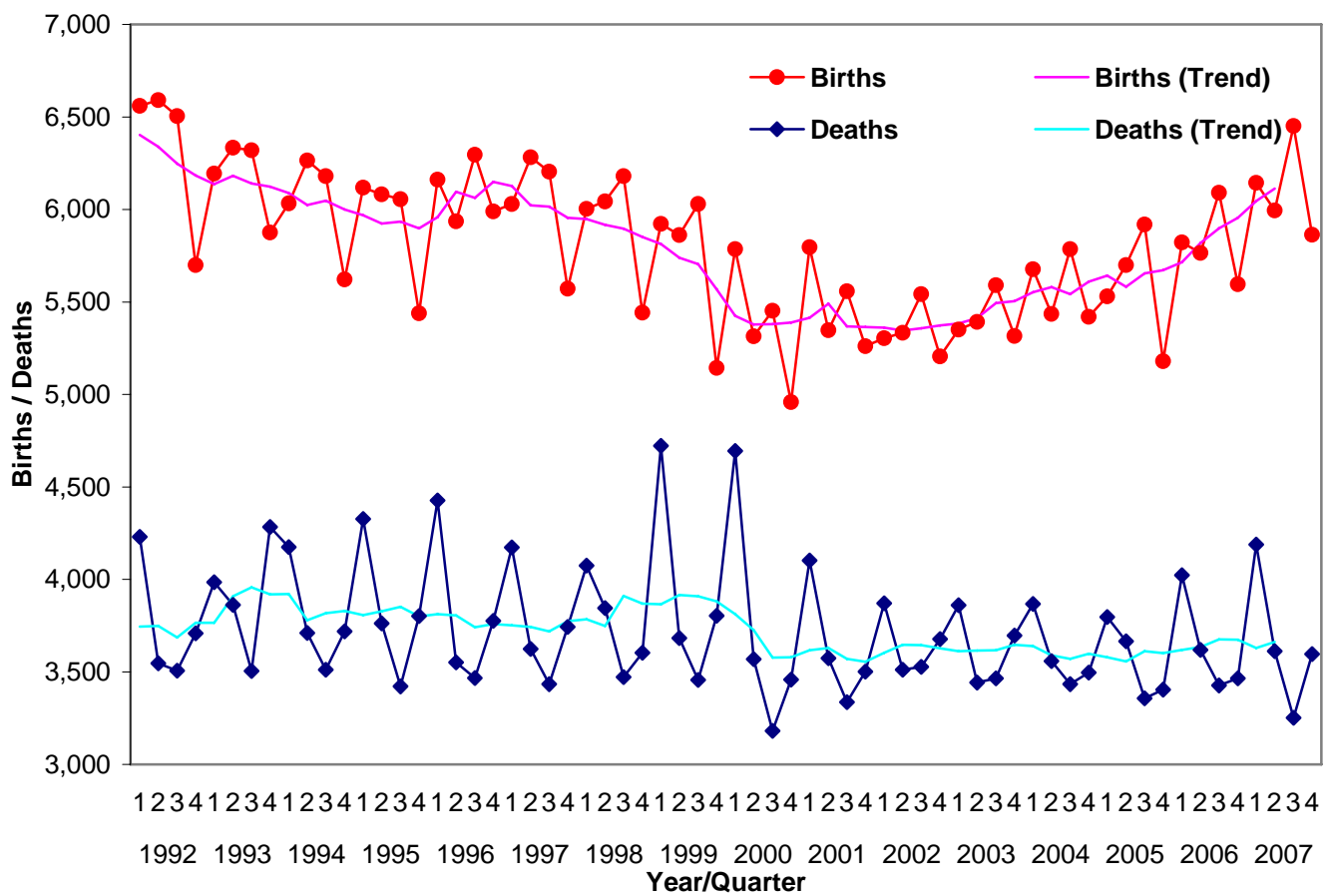
## Deaths: October to December 2007

- Deaths registered during the quarter numbered 3,596 (1,713 males and 1,883 females). The annualised rate was 8.3 deaths per 1,000 of the estimated population, which was 0.3 above the rate for the corresponding quarter of 2006.
- Deaths registered of children aged under one year numbered 20, representing an infant mortality rate of 3.3 infant deaths per 1,000 live births registered, in the corresponding quarter of 2006 there were 33 infant deaths registered.
- The number of deaths from cancer totalled 957, comprising of 513 males and 444 females. Cancer deaths accounted for 26.6 per cent of the total deaths in this quarter. The number of deaths from ischaemic heart disease totalled 612 comprising of 321 males and 291 females deaths. These accounted for 17.0 per cent of the total deaths in the quarter.

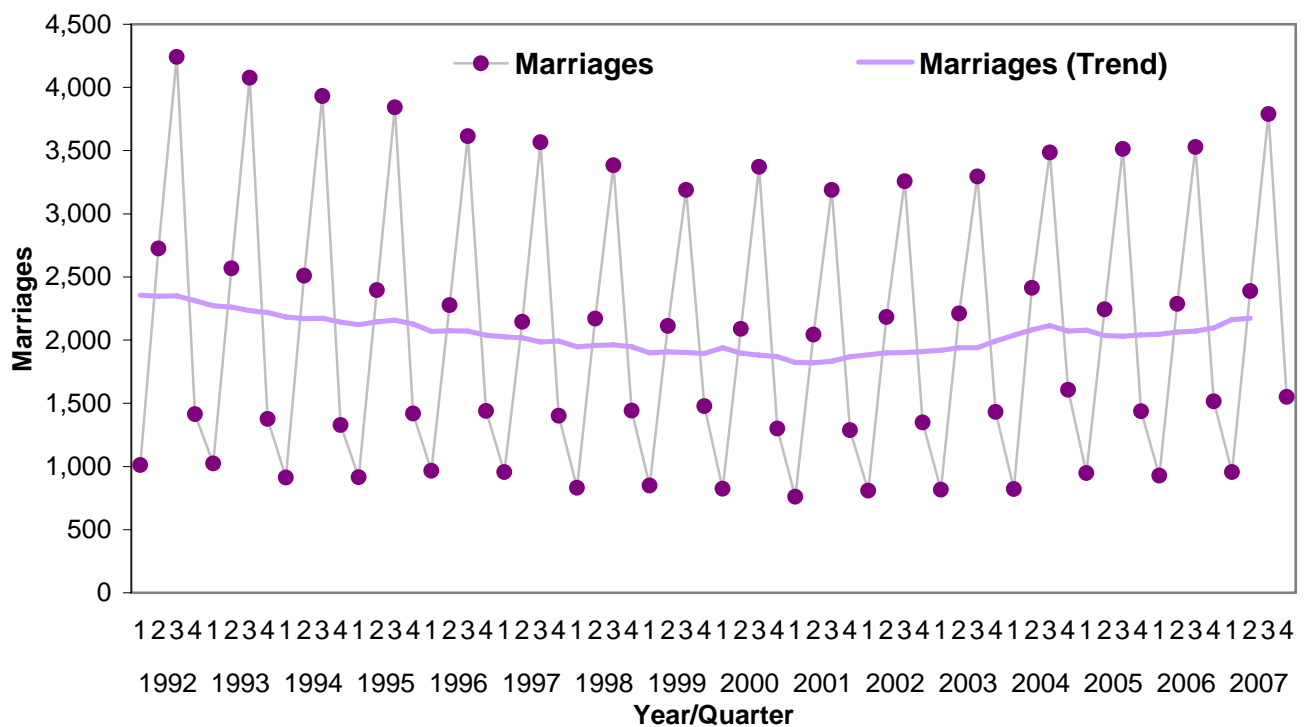
## Marriages and Civil Partnerships: October to December 2007

- Marriages registered during the fourth quarter of 2007 numbered 1,551, which was 35 more than that registered in the corresponding quarter of 2006.
- The Civil Partnership Act 2004 came into force in December 2005. In the fourth quarter of 2007, 22 Civil Partnerships were registered.

**Figure 1a. QUARTERLY BIRTHS and DEATHS, 1992 to 2007 (Q4)**



**Figure 1b. QUARTERLY MARRIAGES, 1992 to 2007 (Q4)**



**Table 1. VITAL STATISTICS BY QUARTER FROM QUARTER 1 2002**

REG. YEAR	REG. QUARTER	BIRTHS	OUTSIDE MARRIAGE (%)	STILL-BIRTHS	DEATHS	INFANT DEATHS	DUE TO CANCER	DUE TO ISCHAEMIC HEART DISEASE	MRSA RELATED DEATHS	C. DIFFICILE RELATED DEATHS	MARRIAGES	CIVIL MARRIAGES (%)	CIVIL PARTNER-SHIPS
2002	1st	5,304	33.7	23	3,871	24	877	790	3	6	810	40.9	
	2nd	5,334	33.1	30	3,511	26	887	707	8	9	2,182	28.5	
	3rd	5,542	33.5	32	3,527	23	944	717	7	3	3,258	22.5	
	4th	5,205	33.6	37	3,677	27	944	734	8	8	1,349	31.8	
2003	1st	5,350	34.4	29	3,860	27	906	786	11	9	817	39.5	
	2nd	5,392	33.1	27	3,442	23	889	723	4	8	2,210	27.2	
	3rd	5,590	34.1	25	3,464	35	989	644	5	7	3,297	23.3	
	4th	5,316	35.9	27	3,696	30	973	690	10	10	1,433	30.9	
2004	1st	5,677	35.2	27	3,867	31	935	761	11	16	822	41.1	
	2nd	5,435	33.7	33	3,558	32	920	657	5	14	2,414	31.4	
	3rd	5,786	33.9	26	3,434	35	940	658	14	7	3,485	27.1	
	4th	5,420	35.3	27	3,495	24	962	699	14	7	1,607	36.3	
2005	1st	5,530	36.3	30	3,796	29	946	716	16	11	948	39.3	
	2nd	5,700	35.9	19	3,665	41	971	694	16	7	2,238	26.8	
	3rd	5,918	35.8	17	3,358	39	927	618	21	9	3,515	23.5	
	4th	5,180	37.3	23	3,405	31	891	680	16	8	1,439	30.0	12*
2006	1st	5,822	37.0	24	4,022	31	1,004	761	18	20	928	37.1	31
	2nd	5,765	38.1	23	3,619	27	949	636	9	16	2,287	30.3	35
	3rd	6,090	37.5	27	3,427	30	963	594	8	15	3,528	25.5	31
	4th	5,595	39.3	15	3,464	33	932	565	21	12	1,516	33.8	19
2007	1st	6,144	38.3	23	4,188	42	995	715	12	15	956	37.6	22
	2nd	5,994	36.5	25	3,612	31	967	632	18	15	2,389	31.0	29
	3rd	6,450	38.6	27	3,253	30	951	535	7	17	3,791	24.9	38
	4th	5,863	38.0	27	3,596	20	957	612	22	30	1,551	32.9	22

\* Civil Partnerships introduced in December 2005

**Table 2. VITAL STATISTICS BY REGISTRATION MONTH FROM JANUARY 2005**

<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>2005</b>	<b>January</b>	2,162	9	1,306	246	
	<b>February</b>	1,654	11	1,216	279	
	<b>March</b>	1,714	10	1,274	423	
	<b>April</b>	1,972	6	1,199	525	
	<b>May</b>	1,830	8	1,236	772	
	<b>June</b>	1,898	5	1,230	941	
	<b>July</b>	1,833	6	1,057	1,023	
	<b>August</b>	2,041	6	1,162	1,427	
	<b>September</b>	2,044	5	1,139	1,065	
	<b>October</b>	1,841	5	1,071	688	
	<b>November</b>	1,861	7	1,208	390	
	<b>December</b>	1,478	11	1,126	361	12*
<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

\* Civil Partnerships introduced in December 2005

**Table 3. VITAL STATISTICS BY AREA (Registered between 1 October 2007 and 31 December 2007)**

AREA <sup>1</sup>	ESTIMATED POPULATION 30 JUNE 2006	EVENTS REGISTERED										
		BIRTHS				STILL BIRTHS	DEATHS BY AGE			CAUSE OF DEATH		MARRIAGES
		LIVE BIRTHS	BIRTH RATE	OUTSIDE MARRIAGE	ALL AGES		DEATH RATE	UNDER 1 YEAR	CANCER	ISCHAEMIC HEART DISEASE		
Number	%											
<b>Northern Ireland</b>	<b>1,741,600</b>	<b>5,863</b>	<b>13.5</b>	<b>2,228</b>	<b>38</b>	<b>27</b>	<b>3,596</b>	<b>8.3</b>	<b>20</b>	<b>957</b>	<b>612</b>	<b>1,551</b>
<b>Eastern Board</b>	<b>669,100</b>	<b>2,137</b>	<b>12.8</b>	<b>915</b>	<b>43</b>	<b>5</b>	<b>1,549</b>	<b>9.3</b>	<b>6</b>	<b>418</b>	<b>247</b>	<b>585</b>
Ards	76,200	225	11.8	92	41	1	178	9.3	-	39	26	47
Belfast	267,400	835	12.5	442	53	2	705	10.5	4	196	108	246
Castlereagh	65,600	217	13.2	74	34	-	159	9.7	-	39	32	33
Down	68,300	197	11.5	73	37	1	108	6.3	-	38	18	75
Lisburn	112,900	431	15.3	141	33	1	207	7.3	1	53	39	78
North Down	78,700	232	11.8	93	40	-	192	9.8	1	53	24	106
<b>Northern Board</b>	<b>444,700</b>	<b>1,477</b>	<b>13.3</b>	<b>503</b>	<b>34</b>	<b>13</b>	<b>915</b>	<b>8.2</b>	<b>7</b>	<b>242</b>	<b>171</b>	<b>391</b>
Antrim	51,500	203	15.8	77	38	-	97	7.5	-	35	10	54
Ballymena	61,400	192	12.5	59	31	5	130	8.5	-	20	30	76
Ballymoney	29,200	102	14.0	37	36		57	7.8	2	23	12	17
Carrickfergus	39,700	119	12.0	51	43	2	115	11.6	1	34	20	23
Coleraine	56,700	169	11.9	70	41		105	7.4	1	29	23	43
Cookstown	34,800	124	14.3	27	22	1	69	7.9	-	16	16	32
Larne	31,300	91	11.6	28	31	1	74	9.5	1	18	10	37
Magherafelt	42,400	162	15.3	38	23	-	60	5.7	-	19	11	49
Moyle	16,500	51	12.3	20	39	-	27	6.5	-	5	6	19
Newtownabbey	81,200	264	13.0	96	36	4	181	8.9	2	43	33	41
<b>Southern Board</b>	<b>334,800</b>	<b>1,255</b>	<b>15.0</b>	<b>391</b>	<b>31</b>	<b>4</b>	<b>584</b>	<b>7.0</b>	<b>2</b>	<b>150</b>	<b>115</b>	<b>293</b>
Armagh	56,800	208	14.7	50	24	-	110	7.7	-	30	19	48
Banbridge	45,500	135	11.9	39	29	1	55	4.8	-	17	12	22
Craigavon	86,800	346	16.0	121	35	1	142	6.5	-	36	31	63
Dungannon	52,300	220	16.8	59	27	1	100	7.6	-	22	19	56
Newry & Mourne	93,400	346	14.8	122	35	1	177	7.6	2	45	34	104
<b>Western Board</b>	<b>293,000</b>	<b>994</b>	<b>13.6</b>	<b>419</b>	<b>42</b>	<b>5</b>	<b>548</b>	<b>7.5</b>	<b>5</b>	<b>147</b>	<b>79</b>	<b>282</b>
Fermanagh	60,600	212	14.0	70	33	-	129	8.5	1	35	13	79
Limavady	34,300	123	14.3	51	41	-	47	5.5	-	16	6	26
Derry	107,900	382	14.2	210	55	3	191	7.1	3	43	34	95
Omagh	51,000	153	12.0	33	22	-	99	7.8	-	30	14	49
Strabane	39,100	124	12.7	55	44	2	82	8.4	1	23	12	33

<sup>1</sup> Figures may not add due to rounding.

**Table 4. DEATHS REGISTERED DURING QUARTER ENDED 31 DECEMBER 2007 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>1,713</b>	<b>1,883</b>	1,549	915	584	548	<b>20</b>	<b>13</b>	<b>55</b>	<b>97</b>	<b>179</b>	<b>364</b>	<b>614</b>	<b>1,150</b>	<b>1,104</b>
A00-B99	Certain Infectious and Parasitic Diseases	27	27	17	23	7	7	-	-	1	1	-	4	11	16	21
C00-D48	Neoplasms	529	453	430	249	155	148	-	4	7	23	58	169	269	308	144
C00-C97	Malignant Neoplasms	513	444	418	242	150	147	-	3	7	23	58	164	266	298	138
D50-D89	All Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism	2	2	1	-	-	3	-	-	-	-	2	-	-	-	2
E00-E90	Endocrine, Nutritional and Metabolic Diseases	35	38	30	18	12	13	-	2	1	1	2	3	21	25	18
F00-F99	Mental and Behavioural Disorders	51	94	70	31	25	19	-	-	1	7	11	9	7	40	70
G00-H95	Diseases of the Nervous System and the Sense Organs	53	99	66	45	20	21	-	2	1	2	10	11	18	58	50
I00-I99	Disease of the Circulatory System	556	639	495	315	213	172	2	-	2	15	43	93	173	422	445
I20-I25	Ischaemic Heart Disease	321	291	247	171	115	79	-	-	1	9	28	61	107	212	194
I60-I69	Cerebrovascular Disease	123	214	135	83	61	58	-	-	-	2	5	11	37	130	152
J00-J99	Diseases of the Respiratory System	211	261	217	107	67	81	1	-	-	1	12	21	59	162	216
K00-K93	Diseases of the Digestive System	71	105	80	40	27	29	1	-	2	11	17	20	23	58	44
L00-M99	All Diseases of Skin, Musculoskeletal System and Connective Tissue	8	21	11	6	5	7	-	-	-	1	-	8	6	8	6
N00-N99	Diseases of the Genitourinary System	40	52	40	30	11	11	-	-	-	-	1	2	12	29	48
O00-O99	Pregnancy, Childbirth and the Puerperium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P00-P96	Certain Conditions Originating in the Perinatal Period	6	4	3	4	1	2	10	-	-	-	-	-	-	-	-
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	4	8	7	2	2	1	5	-	1	2	1	1	-	1	1
R00-R99	Signs, Symptoms and Abnormal Clinical and Laboratory Findings, N.E.C.	3	23	18	3	2	3	-	2	1	1	-	-	-	-	22
V01-Y98	All External Causes of Morbidity and Mortality	117	57	64	42	37	31	1	3	38	32	22	23	15	23	17
V01-V99	Transport Accidents	26	7	7	9	8	9	1	1	13	5	3	4	3	3	-
X60-X84, Y87.0 Y10-Y34, Y87.2	Suicide, Self-Inflicted Injury and Events of Undetermined Intent	50	24	25	14	21	14	-	2	19	17	13	12	7	4	-

## **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 excludes 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 and 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.

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

Rates for 2006 and 2007 data are calculated on the estimated home population as at 30<sup>th</sup> June 2006, the 2007 mid-year estimate will be published in Summer 2008. 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 1 and 3 are as follows:

Cancer	C00-C97
Ischaemic Heart Disease	I20-I25

### **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 Marriage and Divorce Press Release 2006.

### **Further Information**

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

NISRA Customer Services

Phone: 028 90348160

E-mail: [census.nisra@dfpni.gov.uk](mailto:census.nisra@dfpni.gov.uk)