

# THE REGISTRAR GENERAL'S QUARTERLY REPORT FOR NORTHERN IRELAND

## KEY POINTS

### BIRTHS AND STILLBIRTHS

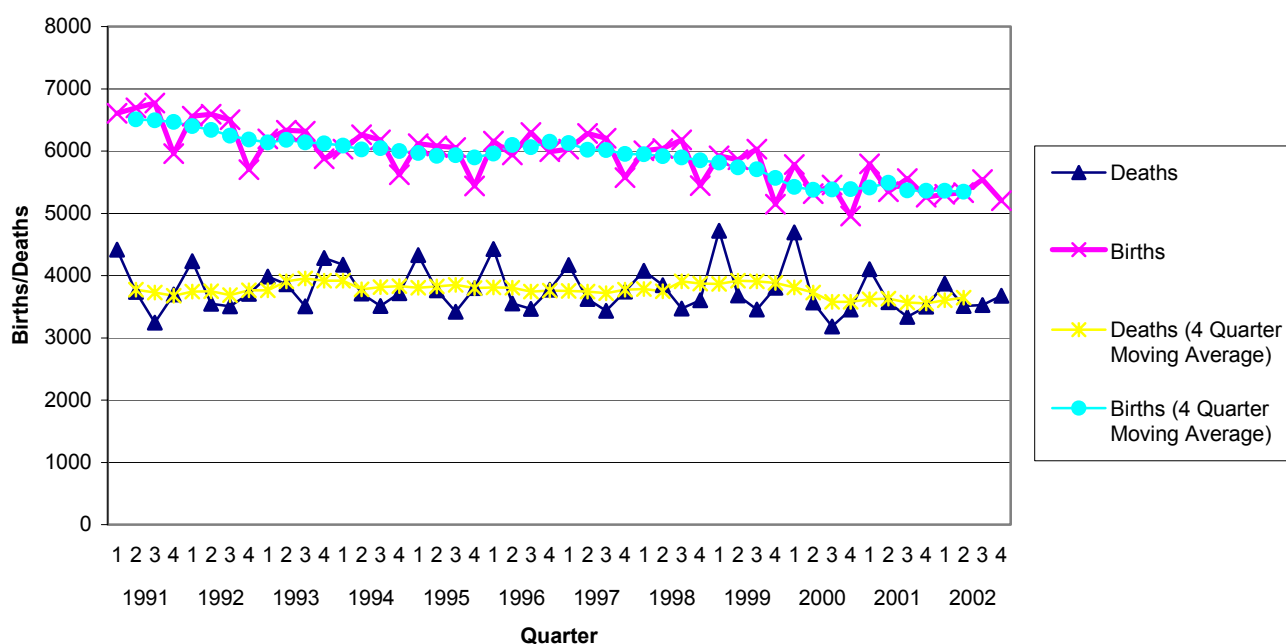
- The number of births registered in the quarter under review was 5,205 (2,667 males and 2,538 females). The annualised rate was 12.3 births per 1,000 of the estimated population, which was 0.2 below that for the corresponding quarter of 2001.
- Live births outside marriage numbered 1,749, which represented 33.6 per cent of the total live births registered.
- The number of stillbirths registered was 37 and the rate was 7.1 stillbirths per 1,000 births (including stillbirths).

### DEATHS

- Deaths registered during the quarter numbered 3,677 (1,718 males and 1,959 females). The annualised rate was 8.7 deaths per 1,000 of the estimated population, which was 0.4 above that for the corresponding quarter of 2001.
- Deaths of children aged under one year numbered 27 representing an infant mortality rate of 5.1 per 1,000 live births registered, which was 1.3 below that for the corresponding quarter of 2001.
- The number of deaths from cancer totalled 944 comprising of 469 males and 475 females. Cancer deaths accounted for 25.7 per cent of the total deaths in this quarter.
- There were 380 male and 354 female deaths due to ischaemic heart disease in this quarter. These accounted for 20.0 per cent of the total deaths in the quarter.

Attached are a number of standard tables, which give some further details of the registration events in the period October-December 2002.

**Figure 1. QUARTERLY BIRTHS AND DEATHS, 1991 to 2002**



**Table 1. VITAL STATISTICS BY QUARTER FROM 1 JANUARY 1999**

| YEAR | QUARTER | BIRTHS | % OUTSIDE MARRIAGE | STILLBIRTHS | DEATHS     |        |                         |
|------|---------|--------|--------------------|-------------|------------|--------|-------------------------|
|      |         |        |                    |             | ALL CAUSES | CANCER | ISCHAEMIC HEART DISEASE |
| 1999 | 1st     | 5922   | 30.3               | 40          | 4722       | 911    | 1088                    |
|      | 2nd     | 5862   | 29.8               | 35          | 3682       | 881    | 844                     |
|      | 3rd     | 6029   | 30.6               | 29          | 3456       | 893    | 768                     |
|      | 4th     | 5144   | 30.5               | 28          | 3803       | 867    | 868                     |
| 2000 | 1st     | 5786   | 31.9               | 25          | 4695       | 897    | 1019                    |
|      | 2nd     | 5315   | 30.8               | 22          | 3569       | 893    | 781                     |
|      | 3rd     | 5453   | 32.6               | 24          | 3182       | 880    | 690                     |
|      | 4th     | 4958   | 31.7               | 22          | 3457       | 872    | 744                     |
| 2001 | 1st     | 5796   | 33.2               | 32          | 4102       | 941    | 887                     |
|      | 2nd     | 5348   | 31.1               | 26          | 3573       | 910    | 771                     |
|      | 3rd     | 5557   | 31.7               | 27          | 3336       | 905    | 755                     |
|      | 4th     | 5261   | 34.1               | 27          | 3501       | 940    | 735                     |
| 2002 | 1st     | 5304   | 33.7               | 23          | 3871       | 877    | 790                     |
|      | 2nd     | 5334   | 33.1               | 30          | 3511       | 887    | 707                     |
|      | 3rd     | 5542   | 33.5               | 32          | 3527       | 944    | 717                     |
|      | 4th     | 5205   | 33.6               | 37          | 3677       | 944    | 734                     |

**Table 2. VITAL STATISTICS BY MONTH FROM JANUARY 2000**

| YEAR        | REGISTRATION MONTH | BIRTHS | STILLBIRTHS | DEATHS |
|-------------|--------------------|--------|-------------|--------|
| <b>2000</b> | January            | 2203   | 13          | 2108   |
|             | February           | 1704   | 8           | 1342   |
|             | March              | 1879   | 4           | 1245   |
|             | April              | 1532   | 9           | 1090   |
|             | May                | 1941   | 7           | 1284   |
|             | June               | 1842   | 6           | 1195   |
|             | July               | 1761   | 9           | 1025   |
|             | August             | 1920   | 6           | 1071   |
|             | September          | 1772   | 9           | 1086   |
|             | October            | 1913   | 9           | 1269   |
|             | November           | 1730   | 9           | 1197   |
|             | December           | 1315   | 4           | 991    |
| <b>2001</b> | January            | 2360   | 11          | 1583   |
|             | February           | 1592   | 9           | 1189   |
|             | March              | 1844   | 12          | 1330   |
|             | April              | 1751   | 12          | 1226   |
|             | May                | 1787   | 8           | 1226   |
|             | June               | 1810   | 6           | 1121   |
|             | July               | 1888   | 5           | 1086   |
|             | August             | 1885   | 8           | 1132   |
|             | September          | 1784   | 14          | 1118   |
|             | October            | 2021   | 9           | 1230   |
|             | November           | 1895   | 7           | 1201   |
|             | December           | 1345   | 11          | 1070   |
| <b>2002</b> | January            | 2103   | 12          | 1419   |
|             | February           | 1524   | 6           | 1250   |
|             | March              | 1677   | 5           | 1202   |
|             | April              | 1817   | 10          | 1237   |
|             | May                | 1898   | 11          | 1234   |
|             | June               | 1619   | 9           | 1040   |
|             | July               | 1850   | 11          | 1243   |
|             | August             | 1821   | 9           | 1111   |
|             | September          | 1871   | 12          | 1173   |
|             | October            | 1943   | 8           | 1263   |
|             | November           | 1733   | 11          | 1203   |
|             | December           | 1529   | 18          | 1211   |

**Table 3. VITAL STATISTICS BY AREA (QUARTER ENDED 31 DECEMBER 2002)**

| AREA <sup>1</sup>       | ESTIMATED<br>POPULATION<br>30 JUNE 2002 | EVENTS REGISTERED |               |                     |           |                 |              |               |                 |            |                               |
|-------------------------|---|-------------------|---------------|---------------------|-----------|-----------------|--------------|---------------|-----------------|------------|-------------------------------|
|                         |   | BIRTHS            |               |                     |           | STILL<br>BIRTHS | DEATHS BY    |               | CAUSE OF DEATH  |            |                               |
|                         |   | LIVE<br>BIRTHS    | BIRTH<br>RATE | OUTSIDE<br>MARRIAGE |           |                 | ALL<br>AGES  | DEATH<br>RATE | UNDER<br>1 YEAR | CANCER     | ISCHAEMIC<br>HEART<br>DISEASE |
|                         |   |                   |               | Number              | %         |                 |              |               |                 |            |                               |
| <b>Northern Ireland</b> | <b>1,696,600</b>                        | <b>5,205</b>      | <b>12.3</b>   | <b>1,749</b>        | <b>34</b> | <b>37</b>       | <b>3,677</b> | <b>8.7</b>    | <b>27</b>       | <b>944</b> | <b>734</b>                    |
| <b>Eastern Board</b>    | <b>665,700</b>                          | <b>1,871</b>      | <b>11.2</b>   | <b>734</b>          | <b>39</b> | <b>13</b>       | <b>1,595</b> | <b>9.6</b>    | <b>3</b>        | <b>399</b> | <b>297</b>                    |
| Ards                    | 74,100                                  | 204               | 11.0          | 63                  | 31        | 3               | 174          | 9.4           | 0               | 48         | 42                            |
| Belfast                 | 274,100                                 | 794               | 11.6          | 424                 | 53        | 5               | 733          | 10.7          | 1               | 194        | 143                           |
| Castlereagh             | 66,300                                  | 179               | 10.8          | 43                  | 24        | 1               | 163          | 9.8           | 0               | 45         | 15                            |
| Down                    | 64,800                                  | 189               | 11.7          | 54                  | 29        | 0               | 110          | 6.8           | 0               | 20         | 24                            |
| Lisburn                 | 109,400                                 | 312               | 11.4          | 100                 | 32        | 4               | 231          | 8.4           | 1               | 47         | 38                            |
| North Down              | 77,000                                  | 193               | 10.0          | 50                  | 26        | 0               | 184          | 9.6           | 1               | 45         | 35                            |
| <b>Northern Board</b>   | <b>430,400</b>                          | <b>1,342</b>      | <b>12.5</b>   | <b>385</b>          | <b>29</b> | <b>11</b>       | <b>904</b>   | <b>8.4</b>    | <b>9</b>        | <b>234</b> | <b>175</b>                    |
| Antrim                  | 48,900                                  | 142               | 11.6          | 38                  | 27        | 1               | 103          | 8.4           | 0               | 28         | 25                            |
| Ballymena               | 59,000                                  | 176               | 11.9          | 46                  | 26        | 1               | 123          | 8.3           | 1               | 35         | 19                            |
| Ballymoney              | 27,500                                  | 107               | 15.6          | 34                  | 32        | 2               | 51           | 7.4           | 0               | 16         | 10                            |
| Carrickfergus           | 38,100                                  | 104               | 10.9          | 38                  | 37        | 0               | 91           | 9.6           | 1               | 27         | 16                            |
| Coleraine               | 56,200                                  | 154               | 11.0          | 50                  | 32        | 0               | 119          | 8.5           | 0               | 30         | 19                            |
| Cookstown               | 33,000                                  | 114               | 13.8          | 26                  | 23        | 1               | 59           | 7.1           | 1               | 11         | 14                            |
| Larne                   | 30,900                                  | 100               | 12.9          | 34                  | 34        | 1               | 65           | 8.4           | 2               | 9          | 13                            |
| Magherafelt             | 40,400                                  | 153               | 15.1          | 32                  | 21        | 3               | 76           | 7.5           | 0               | 20         | 19                            |
| Moyle                   | 16,200                                  | 43                | 10.6          | 16                  | 37        | 0               | 39           | 9.6           | 1               | 5          | 11                            |
| Newtownabbey            | 80,200                                  | 249               | 12.4          | 71                  | 29        | 2               | 178          | 8.9           | 3               | 53         | 29                            |
| <b>Southern Board</b>   | <b>315,600</b>                          | <b>1,036</b>      | <b>13.1</b>   | <b>291</b>          | <b>28</b> | <b>5</b>        | <b>631</b>   | <b>8.0</b>    | <b>5</b>        | <b>170</b> | <b>142</b>                    |
| Armagh                  | 55,000                                  | 158               | 11.5          | 39                  | 25        | 2               | 113          | 8.2           | 0               | 30         | 26                            |
| Banbridge               | 42,400                                  | 138               | 13.0          | 32                  | 23        | 0               | 93           | 8.8           | 2               | 24         | 26                            |
| Craigavon               | 81,500                                  | 240               | 11.8          | 81                  | 34        | 1               | 163          | 8.0           | 1               | 39         | 36                            |
| Dungannon               | 48,200                                  | 166               | 13.8          | 40                  | 24        | 0               | 101          | 8.4           | 0               | 33         | 21                            |
| Newry & Mourne          | 88,500                                  | 334               | 15.1          | 99                  | 30        | 2               | 161          | 7.3           | 2               | 44         | 33                            |
| <b>Western Board</b>    | <b>284,900</b>                          | <b>956</b>        | <b>13.4</b>   | <b>339</b>          | <b>35</b> | <b>8</b>        | <b>547</b>   | <b>7.7</b>    | <b>10</b>       | <b>141</b> | <b>120</b>                    |
| Fermanagh               | 58,100                                  | 187               | 12.9          | 46                  | 25        | 3               | 129          | 8.9           | 4               | 28         | 26                            |
| Limavady                | 33,200                                  | 104               | 12.5          | 29                  | 28        | 0               | 48           | 5.8           | 1               | 11         | 12                            |
| Derry                   | 106,200                                 | 377               | 14.2          | 184                 | 49        | 3               | 195          | 7.3           | 5               | 58         | 33                            |
| Omagh                   | 48,900                                  | 155               | 12.7          | 35                  | 23        | 2               | 91           | 7.4           | 0               | 24         | 25                            |
| Strabane                | 38,400                                  | 133               | 13.9          | 45                  | 34        | 0               | 84           | 8.7           | 0               | 20         | 24                            |

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

**Table 4. DEATHS REGISTERED DURING QUARTER ENDED 31 DECEMBER 2002 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>1,718</b> | <b>1,959</b> | <b>1,595</b> | <b>904</b> | <b>631</b> | <b>547</b> | <b>27</b> | <b>12</b> | <b>85</b> | <b>90</b> | <b>180</b> | <b>350</b> | <b>697</b> | <b>1,170</b> | <b>1,066</b> |
| A00-B99        | Certain Infectious and Parasitic Diseases   | 13           | 20           | 15           | 8          | 5          | 5          | 1         | 1         | 1         | 2         | 1          | 2          | 4          | 9            | 12           |
| C00-D48        | Neoplasms   | 479          | 492          | 408          | 242        | 176        | 145        | 0         | 1         | 16        | 27        | 63         | 144        | 263        | 306          | 151          |
| C00-C97        | Malignant Neoplasms   | 469          | 475          | 399          | 234        | 170        | 141        | 0         | 1         | 16        | 26        | 62         | 142        | 258        | 292          | 147          |
| D50-D89        | All Diseases of the Blood and Blood Forming Organs and Certain Disorders Involving the Immune Mechanism | 4            | 3            | 4            | 0          | 1          | 2          | 0         | 0         | 0         | 0         | 0          | 0          | 2          | 1            | 4            |
| E00-E90        | Endocrine, Nutritional and Metabolic Diseases   | 30           | 31           | 22           | 15         | 10         | 14         | 0         | 2         | 1         | 1         | 5          | 8          | 16         | 15           | 13           |
| F00-F99        | Mental and Behavioural Disorders  | 49           | 63           | 62           | 22         | 19         | 9          | 0         | 0         | 1         | 9         | 11         | 6          | 2          | 26           | 57           |
| G00-H95        | Diseases of the Nervous System and the Sense Organs   | 51           | 95           | 78           | 34         | 16         | 18         | 1         | 0         | 6         | 2         | 8          | 7          | 16         | 50           | 56           |
| I00-I99        | Disease of the Circulatory System   | 646          | 762          | 575          | 356        | 265        | 212        | 0         | 0         | 4         | 14        | 37         | 116        | 259        | 524          | 454          |
| I20-I25        | Ischaemic Heart Disease   | 380          | 354          | 297          | 175        | 142        | 120        | 0         | 0         | 0         | 6         | 21         | 80         | 154        | 268          | 205          |
| I60-I69        | Cerebrovascular Disease   | 144          | 231          | 166          | 100        | 72         | 37         | 0         | 0         | 1         | 3         | 9          | 19         | 63         | 139          | 141          |
| J00-J99        | Diseases of the Respiratory System  | 196          | 253          | 223          | 107        | 59         | 60         | 0         | 3         | 3         | 0         | 9          | 25         | 71         | 146          | 192          |
| K00-K93        | Diseases of the Digestive System  | 67           | 87           | 69           | 40         | 21         | 24         | 1         | 0         | 2         | 11        | 16         | 19         | 28         | 38           | 39           |
| L00-M99        | All Diseases of Skin, Musculoskeletal System and Connective Tissue                                      | 9            | 22           | 11           | 4          | 6          | 10         | 0         | 0         | 0         | 1         | 1          | 1          | 7          | 9            | 12           |
| N00-N99        | Diseases of the Genitourinary System  | 35           | 61           | 40           | 27         | 12         | 17         | 0         | 0         | 0         | 0         | 2          | 4          | 14         | 29           | 47           |
| O00-O99        | Pregnancy, Childbirth and the Puerperium  | 0            | 0            | 0            | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 0          | 0          | 0            | 0            |
| P00-P96        | Certain Conditions Originating in the Perinatal Period  | 11           | 6            | 2            | 7          | 2          | 6          | 17        | 0         | 0         | 0         | 0          | 0          | 0          | 0            | 0            |
| Q00-Q99        | Congenital Malformations, Deformations and Chromosomal Abnormalities                                    | 6            | 6            | 4            | 3          | 3          | 2          | 5         | 1         | 1         | 0         | 1          | 3          | 1          | 0            | 0            |
| R00-R99        | Signs, Symptoms and Abnormal Clinical and Laboratory Findings, N.E.C.                                   | 5            | 8            | 8            | 1          | 2          | 2          | 2         | 0         | 0         | 0         | 2          | 0          | 0          | 3            | 6            |
| V01-Y98        | All External Causes of Morbidity and Mortality  | 117          | 50           | 74           | 38         | 34         | 21         | 0         | 4         | 50        | 23        | 24         | 15         | 14         | 14           | 23           |
| V01-V99        | Transport Accidents   | 29           | 9            | 13           | 9          | 12         | 4          | 0         | 0         | 19        | 9         | 0          | 5          | 2          | 2            | 1            |
| X60-X84, Y87.0 | Suicide and Self-Inflicted Injury   | 33           | 7            | 17           | 9          | 7          | 7          | 0         | 0         | 18        | 8         | 10         | 1          | 2          | 1            | 0            |

## **GENERAL NOTES**

The figures on births and deaths have been compiled from returns furnished by the local registrars. The figures final figures for each year will be found in the Registrar General's Annual Report.

### **Births, stillbirths and deaths**

Figures relate to those registered during the quarter under review. A birth or stillbirth is assigned to the usual place of residence of 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.

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

Rates for 2001 and 2002 data are calculated on the estimated home population as at 30<sup>th</sup> June 2001, and the 30<sup>th</sup> of June 2002 respectively. All quarter 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. Data in this bulletin prior to 2001 will be based on ICD9 and after 2001 will be based on ICD10. The ICD codes used for the causes of death in Tables 1 and 3 are as follows:

|                         |                     |                      |
|-------------------------|---------------------|----------------------|
| Cancer                  | <b>ICD9</b> 140-208 | <b>ICD10</b> C00-C97 |
| Ischaemic Heart Disease | <b>ICD9</b> 410-414 | <b>ICD10</b> I20-I25 |

### **Seasonality**

This short report presents selected information that illustrates seasonal variations in birth and deaths in Northern Ireland.

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

Customer Services  
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Phone: 02890 348160  
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