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HIPE: Hospital In-Patient Enquiry

NPRS: National Perinatal Reporting System

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Acknowledgements

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We hope that the production of this report by the ESRI will allow national statistics on perinatal events to be observed over time. This report highlights the richness of the resource offered by high quality, timely and accurate data for research and evaluation of perinatal events in particular and health and health care services at the population level.

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Executive Summary

The principal aim of the National Perinatal Reporting System (NPRS) is the provision of national statistics on perinatal events. Since 1999, The Economic and Social Research Institute (ESRI) has been contracted by the Department of Health and Children to oversee the collection, processing, management and reporting of data submitted to the NPRS. In this report, data on pregnancy outcomes, with particular reference to perinatal mortality and important aspects of perinatal care, are presented for 2000. In addition, descriptive social and biological characteristics of mothers giving birth and babies born in 2000 are recorded.

In 2000, 55,166 births were notified to the National Perinatal Reporting System,¹ an increase of 4.6 per cent since 1991. Of these, 308 were stillbirths giving a stillbirth rate of 5.6 per 1,000 live births and stillbirths in 2000. This is an increase of 0.3 per 1,000 since 1999 but represents an overall decrease of 1.8 per cent over the previous decade. There were 176 early neonatal deaths resulting in an early neonatal death rate of 3.2 per 1,000 live births in 2000. This again represents an increase of 0.3 per 1,000 since 1999. The overall rate of early neonatal deaths from 1991 to 2000 has decreased by 23.8 per cent. The perinatal mortality rate was 8.8 per 1,000 live and still births in 2000, an increase of 7.3 per cent from 1999. The overall perinatal mortality rate has decreased by 11.1 per cent over the decade 1991 to 2000.

The average birthweight of babies born in 2000 is estimated at 3,491g, a very slight increase from 1999 and just over 1 per cent lower than that estimated in 1991 (3,527g). Average gestational age remains constant compared to 1999 at 39.5 weeks in 2000 and is only very slightly lower than the recorded average gestational age at delivery in 1991 at 39.6 weeks. Low birthweight babies (weighing less than 2,500g) represented 4.9 per cent of all births in 2000, which is marginally lower than in 1999 (5 per cent), but 0.6 per cent higher than the figure for 1991. Between 1991 and 2000 the proportion of low birthweight babies has increased by 15.1 per cent. The twinning rate for 2000 is 12.8 per 1,000 maternities, and comprised 698 twin births, 16 triplet births and 1 quadruplet birth.

In 2000, single mothers accounted for just over 30 per cent of all women giving birth, which represents an increase of 93.6 per cent in the rate of 15.5 per cent estimated in 1991. The average age of all mothers in 2000 remains the same as 1999 at 30 years. Average parity also remains unchanged for 2000 at 1.1, though maternal parity has declined from 1.4 in 1991. This represents an overall decline of 23.8 per cent from 1991 to 2000. The trend in the breastfeeding rate continues to be upward at 38.4 per cent in 2000 compared to 36.2 per cent in 1999.

2000 saw a decline in the number of home births attended by independent domiciliary midwives compared to 1999. In 2000 there were 216 such births while in 1999 there were 246, representing a decrease of 12.2 per cent for 2000. In 1991 there were 184 independent domiciliary midwife births, therefore over the period from 1991 to 2000 there was an overall increase of 17.4 per cent.

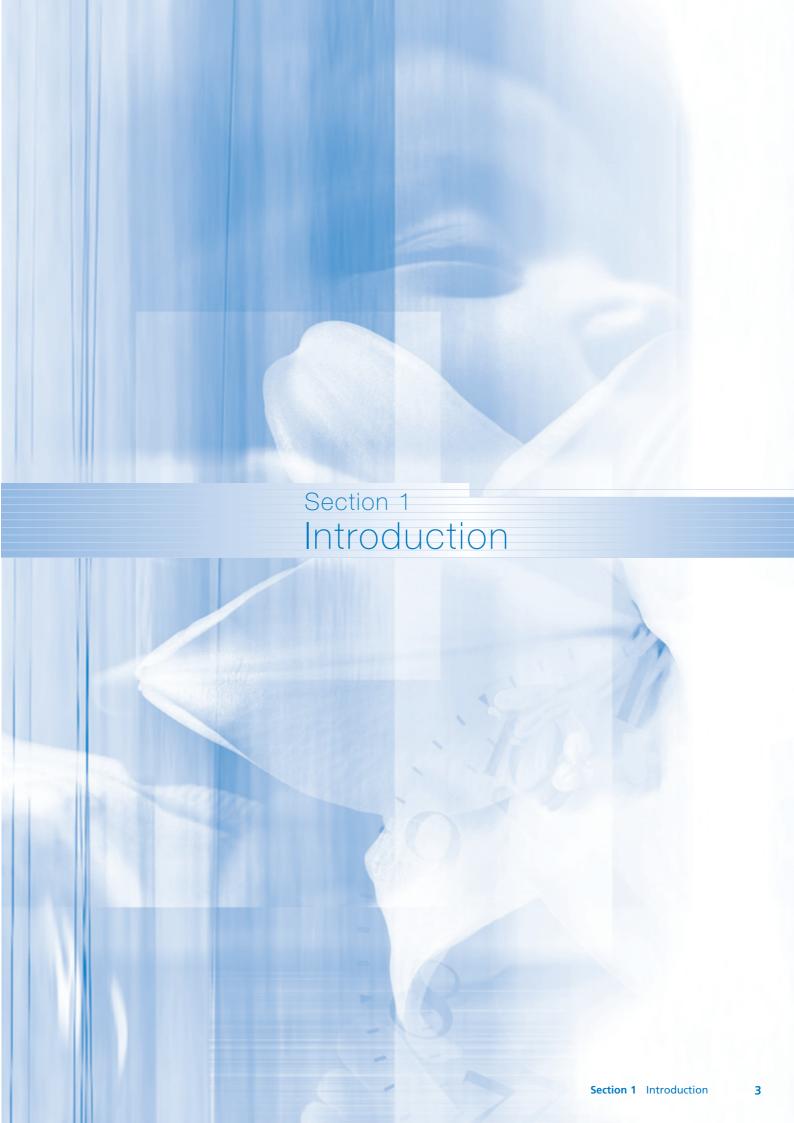
Executive Summary

¹ Reports of 22 births are missing from the National statistics presented in this report. Of these, 21 reports relate to births at Limerick Regional Maternity Hospital that had not been returned at time of publication. The other report relates to a birth that was not notified to the NPRS and for which a chart cannot now be located.

Delivery by caesarean section increased again for 2000, although only marginally from 20.4 per cent of all births in 1999 to 21.3 per cent in 2000. The rate of caesarean section has now increased by 81.5 per cent over the decade from 11.8 per cent in 1991. While the rates of caesarean section are different for singleton and multiple births, the rate of the change over the last decade is higher for singleton births compared to multiple births. 20.5 per cent of singleton and 50.3 per cent of multiple births were delivered by caesarean section in 2000 compared to 11.3 per cent and 30.7 per cent, respectively, for singleton and multiple births in 1991. This represents a rate of increase of 81.9 per cent for singleton births and 63.9 per cent for multiple births over the decade.

Average lengths of stay for both mother and infant continue to decline in 2000. Infant's length of stay has decreased from an average of 4.47 days in 1991 to 4.25 days in 2000 while mother's length of stay has declined from 5.24 days in 1991 to 4.54 days in 2000.

2000 saw a further decrease in the percentage of early neonatal deaths undergoing post-mortem examinations. This rate, 39.4 per cent, has declined by 11.2 per cent between 1999 and 2000 alone. Over the past decade, the overall rate for post-mortems has decreased by just over 40 per cent from the 1991 rate of 66.1 per cent.



Section 1 Introduction

Aims

This report of the National Perinatal Reporting System (NPRS) has as its principal aim the provision of national statistics on perinatal events for the year 2000. More specifically, the report aims to describe the fundamental social and biological characteristics of mothers and their babies, to report on pregnancy outcomes with particular reference to perinatal mortality, and to highlight important aspects of perinatal care. Although great strides have been made in reducing infant and perinatal mortality during the past twenty years, the perinatal period continues to be a time of relatively high mortality. Set in this context, the importance of monitoring variables related to perinatal health becomes evident.

This report presents what might be considered a minimum national data set and is intended to serve as a foundation for the development of basic time series analyses and to allow for the possible addition of further variables and more extensive analysis in future years. In mid-2003 the birth notification form was revised to facilitate a number of new fields that were required by the General Register Office (part 1) for birth registrations. These changes have resulted in the collection of two new variables, nationality and country of residence for both the mother and father, by the NPRS. These variables will be reported in the national statistics from 2004. It is hoped that the publication of the data reported to the NPRS will stimulate a wider interest in research in the area of perinatal epidemiology and promote a general recognition of the importance of having an accurate and complete perinatal reporting system.

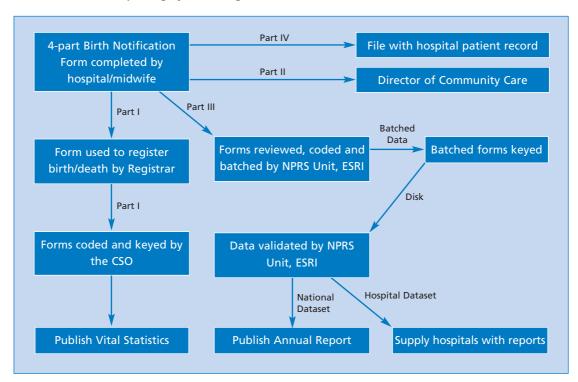
Development of the Perinatal Reporting System

The need to rationalise data collection systems on childbirth became increasingly evident during the 1970s. Prior to the current system, hospitals used a standard form for the registration of live births; a second form completed by the hospital provided statistical information on those births to the Central Statistics Office (CSO); a third form was employed to notify stillbirths to health board(s) and to the CSO; and a variety of non-standard forms were in use to provide for the notification of births to the appropriate health board authorities as soon as possible after the birth. The decision was taken to devise an integrated system to provide on one form for the registration and notification of births and for the informational requirements of all those involved in perinatal care, including the provision of basic perinatal statistics for research and planning purposes. A four-part form was designed and printed on self-copying paper, and pilot tests were carried out to ascertain the feasibility of the scheme. The next step involved the gradual extension of the scheme across the country and the parallel development of systems for data collection, computerisation and reporting. In March 1981, a Steering Committee was set up to supervise the extension of the scheme into a comprehensive national system. On the committee were representatives from the Institute of Obstetricians and Gynaecologists, the Irish Perinatal Society, the health boards, the Medico-Social Research Board, maternity hospitals, the Central Statistics Office, the Central Computing Service, and the Department of Health. By 1982, the Perinatal Reporting System covered approximately 64 per cent of all births; the first report, which referred to 1984, had 94 per cent coverage; and national coverage has been complete since 1985. In June 1999, The Economic and Social Research Institute was contracted by the Department of Health and Children to oversee the collection and processing of data required by the Perinatal Reporting System. See Appendix A for a copy of Part 3 of the four-part form. The ESRI has primary responsibility for the collection, processing and reporting of data from 1999 onwards.

Data Collection

Births are registered and notified on a standard four-part form. The top copy of the form is sent by the hospital to the Registrar of Births and serves as the official document of registration. This copy is subsequently forwarded to the Central Statistics Office for use in the production of quarterly and annual reports on vital statistics. The second part of the form containing additional information on the health of the mother and the infant and on the care received goes to the Director of Community Care and Medical Officer of Health in the mother's area of residence. It serves the dual purpose of notifying the local medical and nursing services that have responsibility for the postnatal care of the mother and child and of providing the basis for health records used by the health boards. The third part of the form has all identifying information deleted and is sent to the NPRS Unit at The Economic and Social Research Institute (ESRI). The fourth and final copy is retained by the hospital. Figure 1.1 provides a diagrammatic representation of the information system. In January 1998, the four-part form replaced the two-part Domiciliary Notification Form for the notification of domiciliary births. Just as with hospital births, Part 1 is sent to the Registrar of Births and subsequently to the CSO; Part 2 is sent to the Director of Community Care and Medical Officer of Health in the mother's area of residence; the third copy is sent to the NPRS unit at the ESRI; and the fourth copy is retained by the midwife. All the tables in the present report are based on data contained in the third copy of the standard form.

Figure 1.1
National Perinatal Reporting System, Diagrammatic View



The data collected by the National Perinatal Reporting System can be logically grouped into demographic, clinical and administrative data. The data collected by the NPRS for 2000 include:

Demographic Data

Date of infant's birth; sex of infant; multiple birth indicator;
Date of father's birth; father's county of residence; father's occupation;
Date of mother's birth; mother's county of residence; mother's occupation;
Marital status of mother and date of present marriage.

Clinical Data

Infant's birthweight and period of gestation; mother's obstetric history;

Autopsy indicator; whether stillbirth occurred before or during labour;

Main cause of death and one secondary cause of death for infant;

Maternal immunity to rubella; method of delivery;

Infant's BCG vaccination;

Main maternal disease or condition and one secondary maternal disease or condition affecting the infant or foetus;

Main disease or congenital malformation and one secondary disease or congenital malformation affecting the infant or foetus.

Administrative Data

Hospital number; case number (unique to hospital of birth);

Type of birth indicator; place of birth;

Date of last birth (live or still);

Type of death indicator; place of death;

Type of antenatal care received; date of first visit to hospital and doctor during pregnancy; Type of feeding; pre-booked admission indicator; dates of mother's admission and discharge;

date of infant's discharge;

Infant transfer indicator; hospital number for hospital to which infant was transferred.

Data Processing

Coding of the forms takes place in the NPRS Unit at the ESRI. Occupations are coded according to the Central Statistics Office system of socio-economic group classification (see Appendix B). Diseases are coded using the ninth revision of the International Classification of Diseases (ICD) and according to the guidelines set out by the World Health Organisation (see Appendix C). The data are entered onto computer by a private company and the file is then transferred to the NPRS Unit at the ESRI for validation, processing and the production of reports (see Figure 1.1). Checks are also carried out to ensure the completeness of returns from each hospital. Validation, reports and analyses are carried out using the Statistical Analysis System (SAS) software.

Format and Contents

This report presents a set of national tabulations for perinatal events for 2000 indicating frequencies, stillbirth rates, early neonatal death rates, and perinatal mortality rates set out for a number of the most important social, biological and health care variables. The data are presented in four main sections covering selected trends, general characteristics, perinatal care and perinatal outcomes. Section 2 (Selected Trends) documents significant trends in the principal variables for the years 1990-1993, 1999 and 2000. Section 3 contains tables relating to the following variables: maternal age; parity; marital status; socio-economic group of mother; socio-economic group of father; distribution of previous stillbirths; birthweight (by sex); twinning rate; gestational age; interval since last birth; and month of birth.

Section 4 deals with variables which fall more naturally into the category of use of health care facilities and type of antenatal care received and deals with the following distributions: gestational age at first antenatal contact of mother with the health services; type of antenatal care received; number of antenatal days stay by the mother; number of postnatal days stay by the mother; mother's immunity to rubella; method of delivery; whether hospital admission was booked or not; type of feeding; transfer of infants between hospitals; and classification of outcome according to size of maternity unit.

In Section 5, causes of perinatal deaths and other factors closely related to the outcome of pregnancy are considered. In this section tables are presented on the following variables: numbers of antepartum and intrapartum stillbirths by birthweight groups; numbers and rates for cause of death and cause of death by birthweight; age at death for early neonatal deaths; numbers and percentages of stillbirths and early neonatal deaths undergoing post-mortem examinations; and the length of infant's stay in hospital. It should be noted that Sections 3, 4 and 5 are each divided into two parts: Part 1 dealing with singleton births and Part 2 dealing with multiple births. A number of crosstabulations of selected variables of importance are contained in Appendix E, and many of the graphs in the report are based on data abstracted from these tables. Finally, Appendix F is included presenting an analysis of perinatal deaths for 2000 according to the classification system suggested by Dr. J.S. Wigglesworth. This system sets out five general and mutually exclusive cause of death categories designed to provide for relatively straightforward classification and to identify problem areas with implications for the clinical management of patients. The classification criteria as well as the results are set out in this Appendix.

An additional appendix based on domiciliary births has been included in this report. Appendix G documents significant trends in the principal variables for domiciliary births in 1999 and 2000 as well as a number of cross-tabulations of selected variables.

Definitions

This section brings together the definitions of the terms used in the analyses for this report.

Outcomes and Rates

Live Birth: A live birth is defined as the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. In accordance with World Health Organisation (WHO) guidelines, live births weighing less than 500 grams are not included in the national statistics.

Stillbirth (SB) and Stillbirth Rate: Foetal death is defined as death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of the pregnancy. A foetal death is indicated by the fact that, after such separation, the foetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Following WHO guidelines, a stillbirth, in this report, refers to the death of a foetus weighing at least 500 grams. The stillbirth rate is given as follows:

Number of Stillbirths x 1,000

Total Number of Live Births and Stillbirths

Early Neonatal Death (ENND) and Early Neonatal Mortality Rate: An early neonatal death refers to the death of a live born infant during the first week of life. The early neonatal mortality rate is calculated as follows:

Number of Early Neonatal Deaths x 1,000

Total Number of Live Births

Perinatal Death and Perinatal Mortality Rate (PMR): Perinatal deaths include stillbirths and early neonatal deaths. The perinatal mortality rate (PMR) is calculated as follows:

Number of Stillbirths and Early Neonatal Deaths X 1,000

Total Number of Live Births and Stillbirths

In this report a second perinatal mortality rate has been calculated excluding all stillbirths and early neonatal deaths due to congenital anomalies. This adjusted rate (Adjusted PMR) to some extent removes those perinatal events where death was unavoidable, but no attempt has been made to exclude only invariably fatal congenital anomalies.

Twinning Rate: This is given by

Number of Twin Maternities x 1,000

Total Number of Maternities

Twin maternities, which resulted in stillbirths, are included in the calculation of the twinning rate.

Note: In this report, where rates are based on very small numbers, they should be interpreted with caution and should not be used as estimates of the true population rates.

Other Items

The definitions given below relate to the principal classification variables contained in the main section of the report and refer only to those terms where explanation is considered necessary. The definitions are grouped according to the section in which they first appear.

General Characteristics

Born Before Arrival (BBA): Born before arrival indicates that an infant was delivered before arrival at hospital.

Domiciliary birth: Domiciliary births are planned home births. The vast majority of these are attended by an independent midwife and are not associated with a hospital. In 2000 there were 27 births under hospital administered home birth schemes. For the purposes of this report these births are treated as hospital births due to the small numbers.

Parity: Maternal parity indicates a mother's total number of previous live births and stillbirths.

Marital status: Five categories are recognised as specified below:

- i. Married
- ii. Single: including women with civil annulments and women who have been widowed for more than ten months.
- iii. Widowed: including all women who have been widowed for 10 months or less.
- iv. Separated: covers the following categories:
 - Deserted
 - Legally separated
 - · Church decree of nullity
 - Otherwise separated
- v. Divorced

Father's Occupation: Occupations are coded and grouped, with minor modifications, according to the CSO system of socio-economic groupings as used in the 1991 Census of Population, Volume 6. Details are given in Appendix B.

Mother's Occupation: Occupations are coded and grouped, with minor modifications, according to the CSO system of socio-economic groupings as used in the 1991 Census of Population, Volume 6. Details are given in Appendix B.

Birthweight: Birthweight is given in grams and hospitals are asked to record the weight within the first hour after birth. In accordance with WHO guidelines, infants weighing under 500 grams are not included in the national statistics.

Period of Gestation: Gestational age at delivery is recorded in completed weeks and is measured or estimated according to the best method available in each case.

Time since last birth: This variable gives the time, grouped into yearly intervals, since the mother's last live birth or stillbirth.

Perinatal care

Antenatal Length of Stay: This is computed as the difference, in days, between a mother's date of admission and her date of delivery. Domiciliary births are not included in tables relating to this variable.

Postnatal Length of Stay: This is computed as the difference, in days, between the date of delivery and the date of the mother's discharge from hospital. A return of 'not stated' for this variable may indicate that the completed form was returned before the mother had been discharged. Domiciliary births are not included in tables relating to this variable.

Immunity to Rubella: An affirmative answer should be recorded only where there is documented evidence of a rubella antibody test. A history of rubella or previous immunisation is not sufficient.

Method of delivery: Six categories are used:

- i. Spontaneous cephalic delivery, without any of the following:
- ii. Breech delivery, spontaneous, with or without forceps to after-coming head, breech extraction
- iii. Forceps delivery
- iv. Vacuum extraction
- v. Caesarean section
- vi. Other specified and Combined

Hospital Admission Booked or Unbooked: Domiciliary births are not included in the tables relating to this variable.

Type of Feeding: Indicates whether artificial, breastfeeding or a combination of both was being used at the time of discharge.

Transfer of Infants: This identifies infants who were transferred to another hospital for medical reasons prior to completing the seventh day of life.

Size of Maternity Unit: Size in this context refers to the number of perinatal events occurring during the year.

Perinatal Outcomes

Antepartum and Intrapartum Stillbirths: These refer to stillbirths occurring prior to and during labour respectively.

Cause of Death: This categorisation indicates the principal underlying pathological cause, which in the opinion of the certifier made the greatest contribution to the death of the infant or foetus. In assigning cause of death, the guidelines recommended by the World Health Organisation have been followed. A summary of these guidelines, together with a list of the International Classification of Disease codes grouped into each category, is provided in Appendix C.

Age at Death: The age of early neonatal deaths is given in completed hours if the infant survived less than 1 day and in completed days otherwise.

Post-mortem: This indicates whether or not a post-mortem examination was performed. In some cases a return of 'not stated' may be due to the notification form being returned prior to post-mortem.

Length of Infant's Stay: This is computed as the difference, in days, between the infant's date of birth and the date of the infant's discharge from hospital. A return of 'not stated' for this variable may indicate that the completed form was returned before the infant had been discharged. Where an infant was transferred to another hospital prior to the completion of the seventh day of life, the date of the transfer is given as the date of the infant's discharge. Domiciliary births and perinatal deaths are not included in the tables relating to this variable.

Note:

- All perinatal statistics and definitions are based on WHO ICD-9 Classifications.
- Where a particular value of a variable does not occur in a table, the row corresponding to that value is not included. This arises most frequently in relation to multiple births. For example, in Table 3.19 the values for 'unskilled manual workers' are not included as there are no occurrences of these values for mother's occupation for multiple births.

Completeness and Reliability

Coverage

The National Perinatal Reporting System covers all live births and stillbirths occurring in the country. However, there are differences in the vital statistics published by the CSO and the data presented in this report. The reasons for this are outlined further below.

Late Notifications

In 2000 there were 21 late notifications reported to the NPRS by Limerick Regional Maternity Hospital. These notifications were not received until the advanced stages of preparation of the 2000 report. As a result it was not possible to include these in the statistics contained in this report. Included in these late notifications were 7 stillbirths, which represents 2 per cent of all stillbirths for 2000 and, when included in the national total, would increase the overall stillbirth rate from 5.6 per 1,000 births to 5.7 per 1,000 births.

Missing Values

No attempt has been made to assign values to missing data, and they are included as a separate category in each table. In comparison with 1999, all variables show substantial improvement in the proportion of cases with the value 'not stated'. This is a welcome improvement arising from continued effort on the part of the NPRS staff and all the hospital administrators to improve the completeness of the reported data.

There were no new variables introduced in 2000. Father's date of birth and mother's occupation were reported on for the first time in the 1999 report and the levels of missing data were far greater than for many of the other variables in the data set. Completion of father's date of birth has improved in this report where father's date of birth is missing for 43 per cent of all births, regardless of mother's marital status,² compared to 52 per cent in 1999. Missing values for mother's occupation has also significantly improved and is missing for only 1.8 per cent of births in 2000 compared to 11 per cent of births in 1999. Efforts will continue to be expended to achieve complete coverage for these and all variables for future reports.

All aspects of perinatal care have seen improvements in missing values, most notably for type of antenatal care (down to 0.07 per cent), booking and transfer indicators (0.01 and 0.05 per cent respectively) and mothers' immunity to rubella having only 2 missing values for all births recorded in 2000. Calculation of lengths of stay for both mother and infant have also recorded fewer missing values compared to 1999.

Completeness of variables relating to the infant has improved in the dataset for 2000. Type of feeding has been recorded as 'not stated' for only 0.09 per cent of births, while birthweight and gestation are unknown in 0.02 per cent and 0.08 per cent of births respectively.

Notwithstanding improvements in the completeness of returns, the achievement of full coverage continues to be an important objective for the development of the NPRS.

In the 2000 report the category 'method of delivery' has again been sub-divided into the categories 'other specified & combined' and 'not stated'. The introduction of this category in 1999 has allowed more accurate monitoring of the recording of this variable. In 2000, the percentage of infants whose method of delivery was unknown was 0.01 per cent.

² It should be noted that where a mother's marital status is single, widowed, separated or divorced the father's details are not required by the GRO to register the birth and as such are generally not provided. This contributes significantly to the high percentage of missing father's date of birth.

Accuracy

While computer validation can identify illogical or unacceptable data, it cannot detect information, which, though valid, is inaccurate. Information on the county of residence of mother can also be inaccurate since in safeguarding confidentiality the copy of the notification form received by the NPRS unit at the ESRI does not contain the mother's full address but only the county designation (see Appendix A). It is possible that data entered in this space may refer to the county in which the birth occurred. Consequently, mother's area of residence has been analysed at health board level in this report. The new instruction manual to facilitate completion of BNF01/2003 issued in May 2003 details the requirements for completion of each field, both new and existing. Careful attention to these instructions will complement the efforts that are continually in progress to improve all aspects of data quality (see Future Reports and Improvements below).

Discrepancies with CSO Data

Differences between the vital statistics tables complied by the CSO and the present results arise for a variety of reasons. In the first place, information is not always obtained from the same sources. This is particularly evident in the tabulations regarding cause of death. The CSO does not obtain information on maternal diseases or conditions affecting the foetus or infant while the NPRS unit at the ESRI does not have access to coroner's certificates relating to neonatal deaths. The CSO also uses a separate notification form (form 103) for collecting information on late foetal deaths. In 1995 stillbirths were registered in Ireland for the first time under the Stillbirths Registration Act, 1994. The CSO collect these data using Part 1 of the birth notification form sent to the GRO, while the NPRS collect them using Part 3 of the birth notification form. In 2000 the NPRS recorded a greater number of stillbirths than the CSO indicating that a number of stillbirths are being notified to NPRS, but not registered to the GRO.³ This has implications for national perinatal mortality and stillbirth rates and is currently being addressed.

Secondly, the differences in the stillbirth numbers and rates and the perinatal rate reported in this publication and that reported by the CSO may be accounted for by the differing definitions of stillbirth that are used by the CSO and the NPRS. A broader definition of a stillbirth has been employed by the CSO since 1995 and as previously indicated the WHO definition is used by the NPRS.⁴

Finally, differences in coding procedures can be reflected in the published statistics. The ICD coding procedures are recognised to be particularly difficult and subjective in the area of causes of perinatal mortality and the current separate coding arrangements can therefore lead to significant discrepancies. Ideally, the data sources and data coding should be harmonised between the CSO and NPRS. One approach to achieving this objective would involve computerisation of the birth registration system and the consequent elimination of duplicate paperwork, coding and validation. The General Register Office began its national roll-out for the computerisation of birth registration in September 2003. This will cover the registration information currently collected on the top copy of the birth notification form. Parts 2, 3 and 4 of the form, which contain additional statistical information, will continue as paper based systems. Future phases of the computerisation programme are intended to include all statistical data. In the interim, the NPRS is assessing the feasibility of downloading the computerised information electronically and linking it with the statistical data captured in Part 3 of the form. This would assist in ensuring identification of all births and reduce duplication of effort in keying registered data. A determination regarding the feasibility of achieving this goal will be presented in the next report.

³ Applying the CSO's definition of a stillbirth (see footnote 4 below), the NPRS recorded 333 stillbirths in 2000. The CSO recorded 325 stillbirths in 2000. There are 308 stillbirths recorded in the NPRS dataset for this report.

⁴ The CSO defines a stillbirth as weighing at or over 500g and/or at a gestational age of 24 weeks or more. This

definition applies to a late foetal death from 1995 onward. The NPRS includes all late foetal deaths weighing at least 500g, irrespective of gestational age.

In previous years there was also a discrepancy in the twinning rate calculated by the CSO and that calculated by the Department of Health and Children. Due to improved completeness of NPRS data, the gap was narrowed in 1999 and has narrowed further in 2000. For 2000 the CSO report a twinning rate of 13.4 per 1,000 maternities and the NPRS report a twinning rate of 12.8 per 1,000 maternities. The NPRS dataset includes only multiple births where weight is 500 grams or more. As a result, multiple births where one or more births weighs <500 grams are removed from the national dataset resulting in a small difference between the number of multiple births in the NPRS dataset and the number of complete sets of multiple births (see Table 3.14). There is a single field on the birth notification form that identifies a multiple birth. If this is not recorded then the ESRI has no way of identifying multiple births. However the additional personal identification data available to the CSO assures a more comprehensive estimate of the number of multiple births by this agency.

Future Reports and Improvements

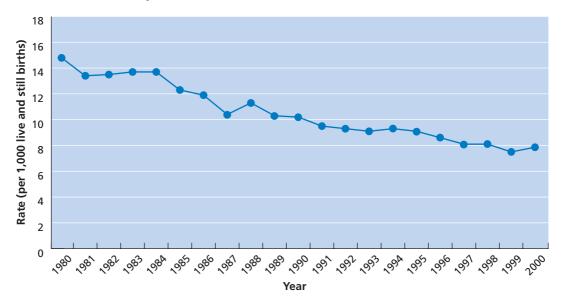
The minimum perinatal data set contained in this report is intended to serve as a foundation for the monitoring of perinatal health. In order to do this effectively the data must be accurate, comprehensive and up-to-date. While the present report notes progress in the reduction of levels of 'not stated' data and discrepancies with CSO estimates, the elimination of these problems remains a key objective. The implementation of computerised registration and notification would seem to be an essential prerequisite to the achievement of this goal and the development of a system delivering optimum data quality, timeliness and comprehensive coverage.

General Trends and International Comparisons⁵

Perinatal Mortality

Recent decades have witnessed a substantial decline in infant, neonatal and perinatal mortality in Ireland. Figure 1.2 shows the perinatal mortality rate in Ireland from 1980-2000. These rates are based on the national statistics compiled by the CSO. Between 1965 and 1980 the perinatal mortality rate fell by more than half from 30 deaths per 1,000 live births and stillbirths to 14.8 per 1,000 live births and stillbirths. From 1981 until 1984 the rate remained stable but resumed its decline to 10.4 in 1987 before rising slightly to 11.3 in 1988. From 1989 the rate declined relatively steadily to a low of 7.5 in 1999, which was half the 1980 rate. For 2000, the perinatal mortality rate has increased marginally to 7.8.

Figure 1.2
Perinatal Mortality Rate, Ireland: 1980-2000



Note: In 1995 a broader definition of stillbirths was employed by the CSO. The new definition includes stillbirths at or over 500g or at a gestational age of 24 weeks or more. Figures given here are based on the old definition of a stillbirth (at or over 28 weeks) to facilitate comparisons.

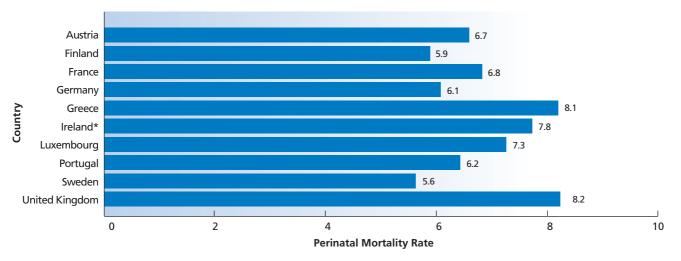
Source: Reports on Vital Statistics, 2000 and 2001, Central Statistics Office.

The factors impacting on level of perinatal mortality are complex and encompass a wide range of environmental and biological variables. Birthweight, parity, mother's age, social status and type of antenatal care as well as many other variables have a bearing on perinatal risk. Data in this report indicate levels of perinatal mortality for the principal variables associated with risk. Ireland's standing in relation to other countries in the European Union (EU) is shown in Figure 1.3. Of the ten countries for which data are available in 2000, Ireland's perinatal mortality rate is amongst the highest recorded at 7.8 per 1,000, with only Greece and the UK showing higher rates. Finland and Sweden

⁵ National figures presented in this section are based on official registration data as compiled by the Central Statistics Office. These figures may differ somewhat from numbers and rates appearing in the tables of this report for reasons given in the previous section.

had the lowest perinatal mortality rates (5.9 per 1,000 and 5.6 per 1,000 respectively) of the ten countries. When comparing between countries it should be remembered that rates are affected by national policies on abortion, by differences in the comprehensiveness and accuracy of registration and notification systems and by differences in definitions employed (for example, for stillbirth).

Figure 1.3
Perinatal Mortality Rate, 2000 for Selected EU Countries

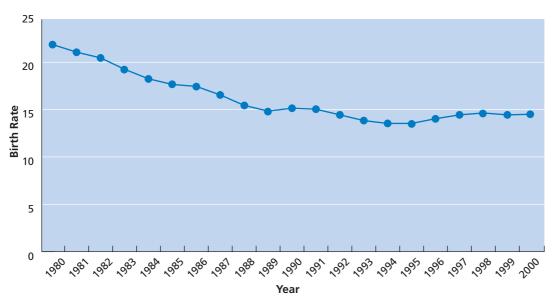


Source: Population and Social Conditions, Demography, Perinatal Mortality Rate 2000, Eurostat 2004.

Birth Rate

Figures for births per 1,000 population over the past two decades illustrate an overall reduction of 31 per cent in the crude birth rate. From 1980, the birth rate steadily declined from 21.8 to 14.8 per 1,000 population in 1989. It then rose slightly in 1990 to 15.1 and immediately began to decline again to reach an all time low of 13.5 in 1994 and 1995. Since 1995 the birth rate has gradually increased to 14.6 in 1998, and has remained stable up until 2000 at 14.5 per 1,000 population (Figure 1.4).

Figure 1.4
Birth Rate per 1,000 Population, Ireland: 1980-2000

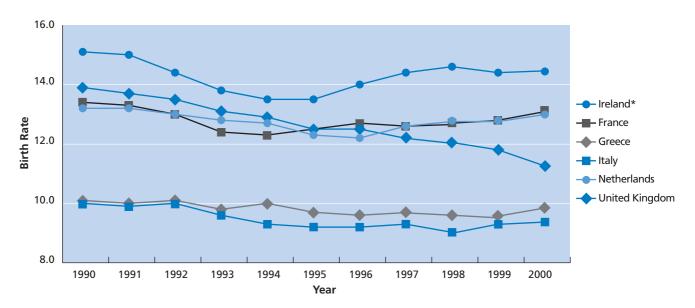


Source: Reports on Vital Statistics, 1980-2001, Central Statistics Office.

^{*}National figure compiled by the Central Statistics Office, Report on Vital Statistics, 2001.

Figure 1.5 shows trends in birth rates for selected EU countries in the last decade. For the countries reviewed, Ireland has consistently had the highest birth rate over the period. While Ireland's birth rate moved closer to that of other European countries around 1995 we continue to have the highest birth rate of any of the fifteen EU countries. In 2000 Germany continues to have the lowest birth rate (9.3), followed by Italy (birth rate 9.4) and Austria (birth rate 9.7) of the fifteen EU countries shown in Figure 1.6.

Figure 1.5
Trends in Birth Rates for Selected EU Countries: 1990-2000



Source: *Population and Social Conditions, Demography*, Crude Birth Rate, 1990-2000, Eurostat 2004. *National figures. Report on *Vital Statistics, 2001*, Central Statistics Office.

It should be noted that the crude birth rate could rise or fall depending on the numbers of women in the age cohorts from 15-49 years old. It therefore often masks underlying trends in fertility. Total fertility provides a better measure of these trends and is presented in the next section.

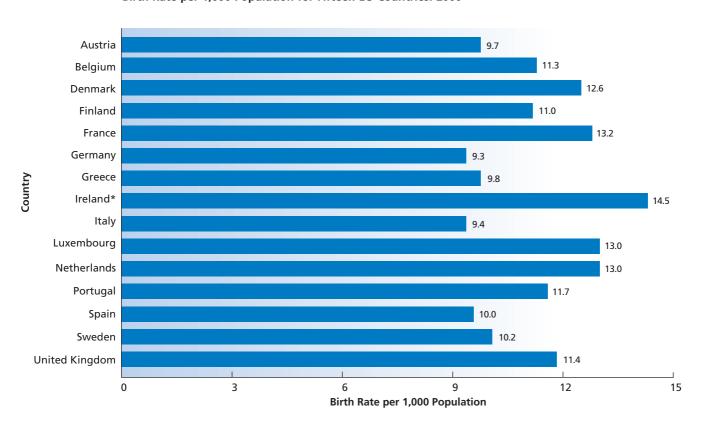


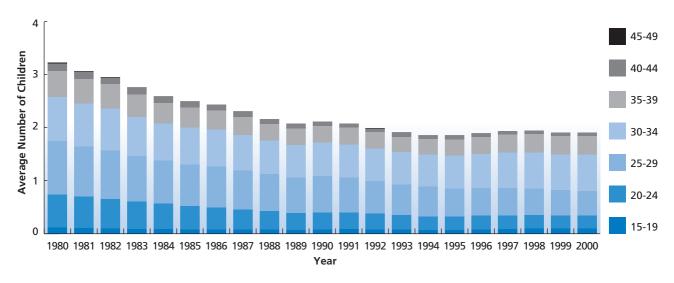
Figure 1.6
Birth Rate per 1,000 Population for Fifteen EU Countries: 2000

Source: *Population and Social Conditions, Demography*, Crude Birth Rate, 1990-2000, Eurostat 2004. *National figures. Report on *Vital Statistics, 2001*, Central Statistics Office.

Fertility

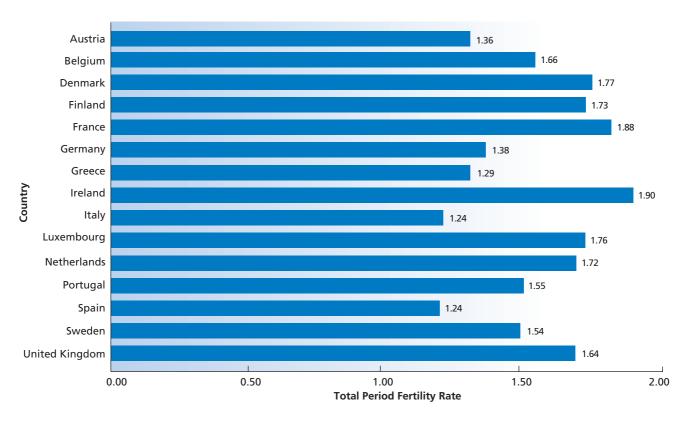
Figure 1.7 shows the trend in the Total Period Fertility Rate (TPFR) in Ireland over the past twenty years. The TPFR for a given year indicates the number of children a woman could expect to have if the age specific fertility rates for that year applied throughout her fertile years. The Irish TPFR has declined from an average of 3.23 in 1980 to 1.91 in 2000, representing a 41 per cent decrease over 20 years. The TPFR had also been in decline for a number of decades prior to 1980. During the latter half of the 1990s, the TPFR remained relatively stable with the rise in crude birth rate being largely accounted for by the increasing numbers of women in the childbearing age groups. As in all EU countries (prior to enlargement), the TPFR for Ireland remains below the level required for the long-term replacement of the population (TPFR of 2.1) in the absence of any net inward migration. While Ireland has experienced a fairly rapid fall in TPFR over recent years, Ireland nonetheless continues to have the highest TPFR in the EU (Figure 1.8) followed by France (1.88 TPFR). Spain and Italy (1.24 TPFR) have the lowest total period fertility rate within the EU.

Figure 1.7
Total Period Fertility Rate Subdivided by Age Groups, Ireland: 1980-2000



Source: Report on Vital Statistics, 2001, Central Statistics Office.

Figure 1.8
Total Period Fertility Rates, 2000, for EU Countries



Source: *Population and Social Conditions, Demography*, Total Fertility Rate, 1990-2000, Eurostat 2004. Note: For comparative purposes all rates (including that for Ireland) for Figure 1.8 are from Eurostat 2004.



Section 2 Selected Trends

Introduction

A general review of the data reported to NPRS over the period 1990-1993, 1999 and 2000 is presented in this section. Tables 2.1 and 2.2 examine trends in vital and selected statistics for these years. Figures 2.1 to 2.7 present a selection of these variables. Each of these figures outline data for 1990-1993, 1999 and 2000.

Section 2 Selected Trends

Table 2.1 Trends in Vital Events, 1990-1993, 1999 and 2000

Singleton and Multiple Births, Numbers and Rates for Live Births, Stillbirths, Early Neonatal Deaths and Perinatal Deaths, 1990-1993, 1999 and 2000

Vital Events							Υe	ar					
		1990		1991		1992		1993		1999		2000	
		Number	Rate										
Live Births:	Singleton	51,543	-	51,242	-	49,686	-	48,030	-	52,556	-	53,429	-
	Multiple	1,250	-	1,200	-	1,182	-	1,001	-	1,463	-	1,429	-
	Total	52,793	-	52,442	-	50,868	-	49,031	-	54,019	-	54,858	-
Stillbirths:	Singleton	305	5.9	284	5.5	285	5.7	272	5.6	274	5.2	288	5.4
	Multiple	11	8.7	18	14.8	16	31.4	11	10.9	14	9.5	20	13.8
	Total	316	6.0	302	5.7	301	5.9	283	5.7	288	5.3	308	5.6
Early Neonatal	: Singleton	191	3.7	195	3.8	173	3.5	131	2.7	130	2.5	153	2.9
Deaths	Multiple	22	17.6	24	20.0	19	16.1	16	16.0	27	18.5	23	16.1
	Total	213	4.0	219	4.2	192	3.8	147	3.0	157	2.9	176	3.2
Perinatal :	Singleton	496	9.6	479	9.3	458	9.2	403	8.3	404	7.6	441	8.2
Deaths	Multiple	33	26.2	42	34.5	35	29.2	27	26.7	41	27.8	43	29.7
	Total	529	10.0	521	9.9	493	9.6	430	8.7	445	8.2	484	8.8
Adjusted :	Singleton	376	7.3	320	6.2	318	6.4	294	6.1	301	5.7	317	5.9
Perinatal	Multiple	29	23.1	39	32.1	32	26.8	18	17.9	37	25.1	31	21.4
Deaths	Total	405	7.6	359	6.8	350	6.9	312	6.3	338	6.2	348	6.3

Table 2.2 Trends in Selected Statistics, 1990-1993,1999 and 2000

Selected Statistics	1990	1991	1992	1993	1999	2000
General Characteristics						
Average Age of Mother in years	29.11	29.11	29.18	29.30	30.06	30.18
Average Maternal Parity	1.48	1.43	1.37	1.33	1.10	1.09
Single Mothers (%)	13.56	15.54	16.50	18.14	29.71	30.09
Average Number of Previous Stillbirths per	19.44	17.22	19.82	23.18	14.03	13.06
1,000 maternities	13.11	17122	13.02	23.10	155	15.00
Average weight in grams - Singleton Births	3,509.88	3,548.02	3,525.01	3,520.02	3,505.35	3,517.36
- Multiple Births	2,584.04	2,653.17	2,549.84	2,535.38	2,467.24	2,509.85
- Total Births	3,488.10	3,527.54	3,502.37	3,499.98	3,477.19	3,491.13
Low birthweight <2500 grams (%)	•	·	·	·	·	·
- Singleton Births	3.35	3.43	3.24	3.39	3.80	3.84
- Multiple Births	38.70	38.38	41.38	42.23	47.71	43.35
- Total Births	4.18	4.23	4.13	4.18	4.99	4.87
Average Gestational Age at delivery in weeks	39.60	39.59	40.23	40.08	39.48	39.46
Average interval since last birth in years	3.68	3.68	3.69	3.75	3.82	3.84
Perinatal Care						
Hospital & GP combined antenatal care (%)	60.80	58.97	61.97	63.94	72.30	72.39
Average gestational age at time of first visit	11.46	11.80	11.63	11.58	15.54	15.41
to doctor in weeks						
Mother's average length of stay in days	5.47	5.24	5.12	5.15	4.71	4.54
Immunity to Rubella (%) ¹	88.77	89.40	89.02	89.36	89.63	87.76
Method of Delivery (%) ² Singleton Births						
- Spontaneous	74.33	73.64	73.72	72.95	65.35	64.56
- Caesarean	10.39	11.30	11.78	12.57	19.69	20.55
- Forceps ³	9.78	9.58	8.30	7.79	4.27	3.78
Multiple Births						
- Spontaneous	43.06	39.36	40.78	37.99	32.33	33.73
- Caesarean	24.84	30.70	29.69	34.95	47.23	50.31
- Forceps ³	7.18	8.07	6.40	6.48	3.08	2.52
Total Births						
- Spontaneous	74.07	72.85	72.96	72.24	64.46	63.76
- Caesarean	10.55	11.75	12.19	13.03	20.43	21.33
- Forceps ³	9.75	9.54	8.25	7.77	4.24	3.74
Booked Hospital Admissions (%)	98.70	98.94	98.99	98.46	96.49	96.48
Mother's breastfeeding (%)	31.66	31.85	33.85	33.89	36.16	38.41
Perinatal Outcomes						
Wigglesworth Classes (Rate) ⁴						
- Macerated Stillbirths	3.46	2.96	3.48	3.10	3.46	4.04
- Congenital Anomalies	2.22	2.88	2.74	2.37	1.94	2.46
- Immaturity	1.73	1.44	1.48	1.20	1.39	1.07
- Asphyxia	2.32	2.39	1.74	1.91	1.93	1.38
- Specific Conditions	0.47	0.38	0.47	0.43	0.49	0.51
- Total	10.20	10.05	9.91	9.00	9.11	9.45
Infant's average length of stay in days						
- Singleton Births	4.54	4.41	4.44	4.52	4.17	4.08
- Multiple Births	7.42	7.83	9.56	11.27	10.68	10.73
- Total Births	4.60	4.47	4.54	4.59	4.34	4.25
Post-mortems for Early Neonatal Deaths (%)	66.09	66.12	73.78	66.67	44.37	39.41

¹ Mother's immunity to rubella has fallen in 2000 to 87.7 per cent; the lowest rate recorded this decade. This rate is most likely influenced by an increase in 'unknown' values for the field 'mother's immunity to rubella' in 2000.

Note: These selected statistics are set out according to the order in which they appear in subsequent sections of this report. Further details for each statistics, including mortality rates, are given in these sections. Statistics relating to maternal characteristics are based on total maternities. Missing values are not included in the calculation of percentages.

² These figurés were not based on total maternities but on total births, to givé a more accurate picture as each infant in a multiple can have a different method of delivery.

³ Excludes breech deliveries.

⁴ See Appendix F for details of method.

Figure 2.1
Percentage of Births to Single Mothers, 1990 - 1993, 1999 and 2000

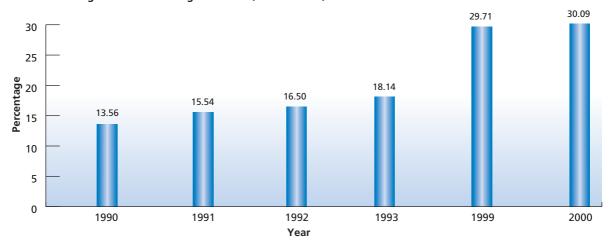
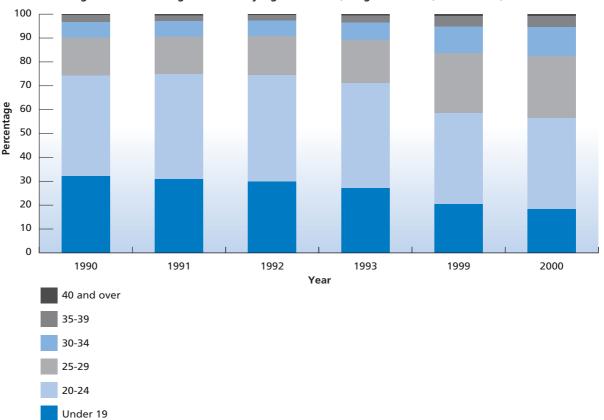


Figure 2.2
Percentage of Births to Single Mothers by Age of Mother, Singleton Births, 1990 - 1993, 1999 and 2000



Source: Reports on *Perinatal Statistics, 1990-1993*, Department of Health. Appendix E, Table 3. Report on *Perinatal Statistics for 1999*, Economic & Social Research Institute. Appendix E, Table E3. Note: See Appendix E, Table E3 for data on 2000.

Figure 2.3 Percentage of Low Birthweight Babies, 1990 - 1993, 1999 and 2000

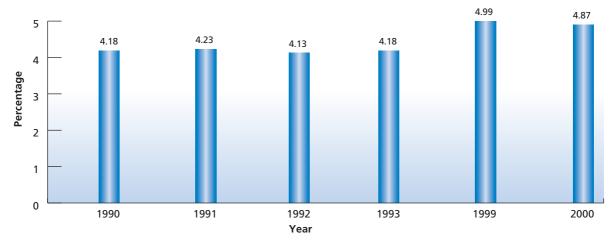


Figure 2.4

Average Gestational Age at Time of First Visit to Doctor in Weeks, 1990 - 1993, 1999 and 2000

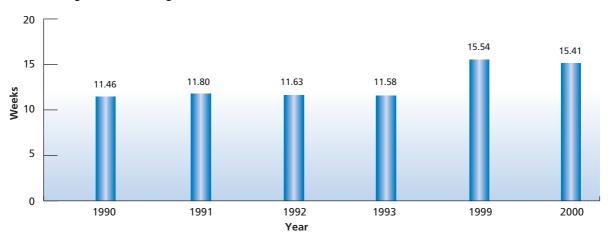


Figure 2.5
Average Length of Stay in Days for Mothers and Infants, 1990 - 1993, 1999 and 2000

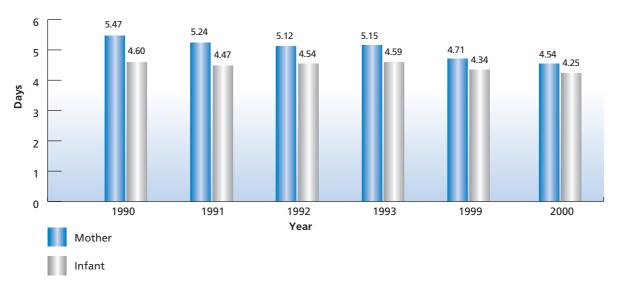


Figure 2.6 Caesarean Births as a Percentage of Total Births, 1990 - 1993, 1999 and 2000

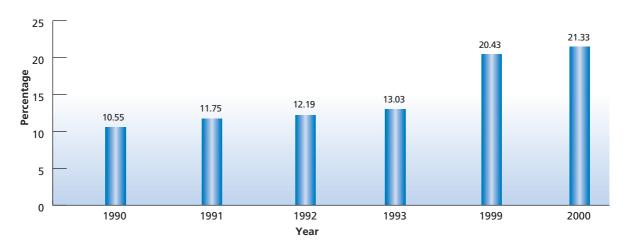
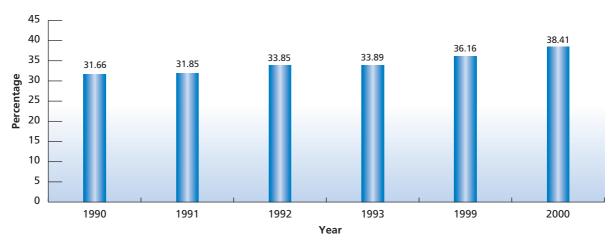
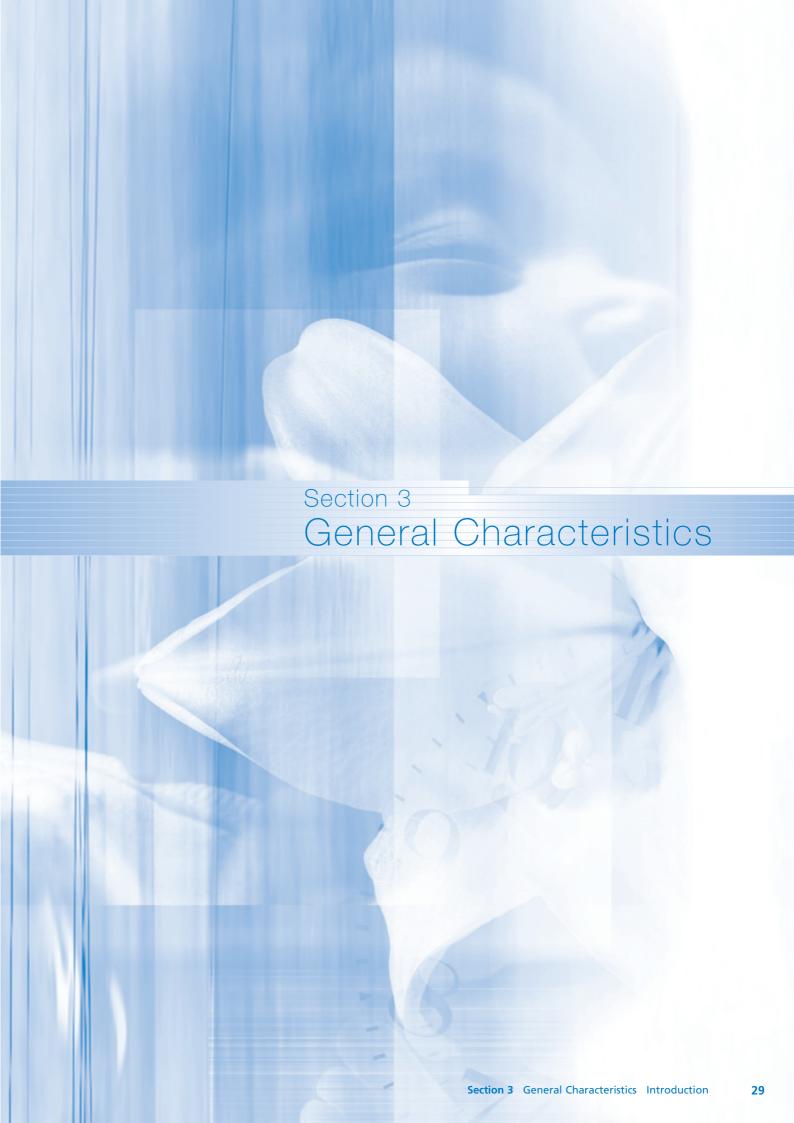


Figure 2.7
Percentage of Mother's Breastfeeding, 1990 - 1993, 1999 and 2000





Section 3 General Characteristics Introduction

This section presents a more detailed analysis of data reported to NPRS for 2000. Part 1 reports on singleton births and Part 2 on multiple births. The tables that follow outline data for live births, stillbirths and early neonatal deaths, together with their corresponding rates. The perinatal mortality rate and adjusted perinatal mortality rate are also outlined in each table. Tables and figures are presented in some detail for a variety of variables, for example, mother's age, marital status, father and mother's occupation, birthweight, health board of residence.

Section 3 General Characteristics

Part 1 Singleton Births

Section 3 General Characteristics

Part 1 Singleton Births

Table 3.1 Age of Mother

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000 Singleton Births

Age of Mother	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR*
Under 15	12	0.0	0	0.0	0	0.0	0.0	0.0
15-19	3,095	5.8	22	7.1	16	5.2	12.2	10.0
20-24	7,885	14.8	38	4.8	18	2.3	7.1	4.9
25-29	13,312	24.9	61	4.6	36	2.7	7.3	4.9
30-34	17,541	32.8	80	4.5	46	2.6	7.2	5.3
35-39	9,770	18.3	67	6.8	31	3.2	10.0	7.2
40-44	1,726	3.2	18	10.3	4	2.3	12.6	8.1
45 and over	67	0.1	1	14.7	1	14.9	29.4	29.4
Not Stated	21	0.0	1	45.5	1	47.6	90.9	47.6
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

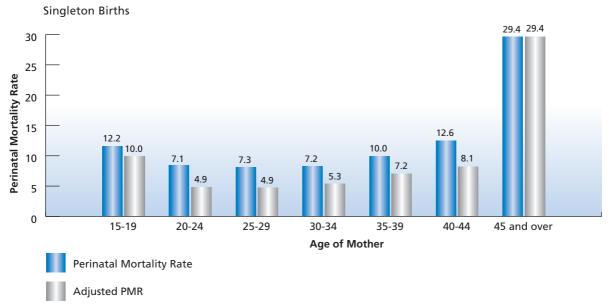
^{*} In this and subsequent tables, 'Adjusted PMR' gives a recalculated perinatal mortality rate which excludes all deaths due to congenital anomalies.

Table 3.2 Maternal Parity

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000 Singleton Births

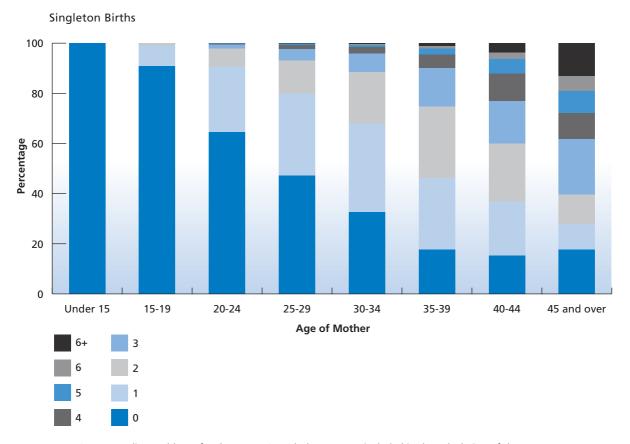
Maternal Parity	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0	21,886	41.0	131	5.9	72	3.3	9.2	6.9
1	16,027	30.0	60	3.7	37	2.3	6.0	4.2
2	9,177	17.2	37	4.0	22	2.4	6.4	4.1
3	3,870	7.2	33	8.5	14	3.6	12.0	8.5
4	1,426	2.7	10	7.0	5	3.5	10.4	7.7
5	547	1.0	8	14.4	3	5.5	19.8	10.9
6	245	0.5	3	12.1	0	0.0	12.1	12.1
More than 6	244	0.5	6	24.0	0	0.0	24.0	24.0
Not Stated	7	0.0	0	0.0	0	0.0	0.0	0.0
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Figure 3.1
Perinatal Mortality Rates by Age of Mother, 2000



Note: See Table 3.1 for data. The adjusted rate excludes all deaths due to congenital anomalies.

Figure 3.2 Percentage Distribution of Parity by Age of Mother, 2000



Note: See Appendix E, Table E1 for data. 'Not Stated' data are not included in the calculation of the percentages.

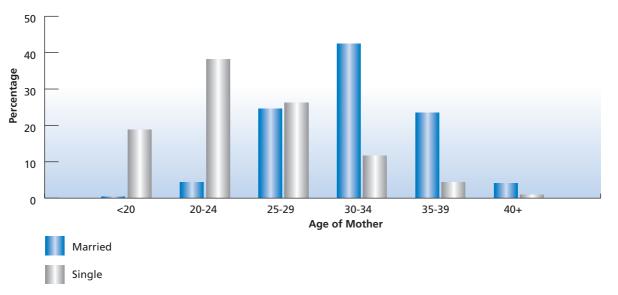
Table 3.3 Marital Status

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Deaths, 2000 Singleton Births

Marital Status	Live Births	Per Cent (%)	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
							•	
Married	36,268	67.9	172	4.7	107	3.0	7.7	5.1
Single	16,122	30.2	105	6.5	44	2.7	9.2	7.6
Widowed	70	0.1	2	27.8	0	0.0	27.8	27.8
Separated	816	1.5	8	9.7	2	2.5	12.1	7.3
Divorced	146	0.3	1	6.8	0	0.0	6.8	6.8
Not Stated	7	0.0	0	0.0	0	0.0	0.0	0.0
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Figure 3.3

Mother's Age: Percentage Distribution of Singleton Births for Married and Single Status, 2000



Note: See Appendix E, Table E3 for data. 'Not Stated' data are not included in the calculation of the percentages.

Table 3.4 Father's Occupation

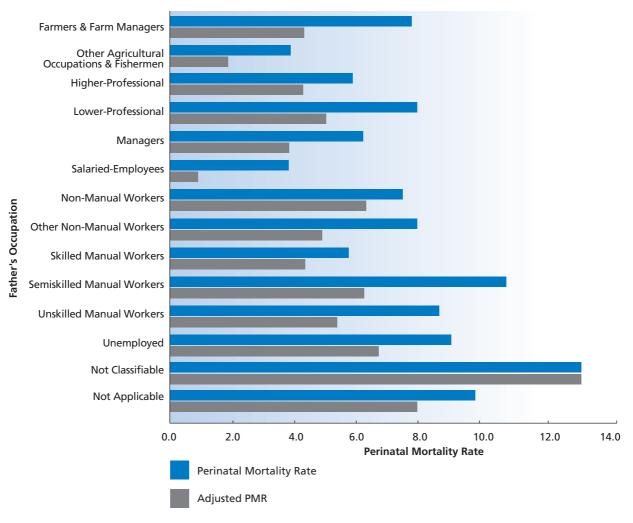
Live Births, Stillbirths, Early Neonatal Deaths and Mortality Deaths, 2000 Singleton Births

Father's Occupation	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Farmers & Farm								
Managers	2,799	5.2	12	4.3	10	3.6	7.8	4.3
Other Agricultural								
Occupations & Fishermen	528	1.0	2	3.8	0	0.0	3.8	1.9
Higher-Professional	3,371	6.3	8	2.4	12	3.6	5.9	4.4
Lower-Professional	1,985	3.7	10	5.0	6	3.0	8.0	5.0
Managers	4,442	8.3	19	4.3	9	2.0	6.3	3.8
Salaried-Employees	1,301	2.4	2	1.5	3	2.3	3.8	0.8
Non-Manual Workers	4,458	8.3	26	5.8	7	1.6	7.4	6.3
Other Non-Manual								
Workers	4,253	8.0	22	5.1	12	2.8	8.0	4.9
Skilled Manual Workers	9,573	17.9	36	3.7	20	2.1	5.8	4.3
Semiskilled Manual								
Workers	2,675	5.0	19	7.1	10	3.7	10.8	6.3
Unskilled Manual								
Workers	572	1.1	2	3.5	3	5.2	8.7	5.2
Unemployed	1,310	2.5	7	5.3	5	3.8	9.1	6.8
Not Classifiable	380	0.7	4	10.4	1	2.6	13.0	13.0
Not Applicable	15,126	28.3	106	7.0	45	3.0	9.9	8.0
Not Stated	656	1.2	13	19.4	10	15.2	34.4	24.2
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Note: In this table 'Not Classifiable' includes 49 Fathers whose occupation was recorded as 'Home Duties'. See Appendix B for a description of the classification system for occupations.

Figure 3.4
Perinatal Mortality Rates by Father's Occupation, 2000

Singleton Births



Note: See Table 3.4 for data. The adjusted rate excludes all deaths due to congenital anomalies.

Table 3.5 Mother's Occupation

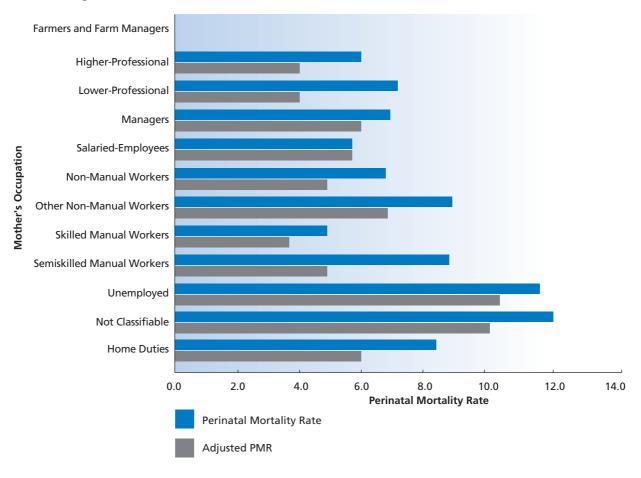
Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000 Singleton Births

Mother's Occupation	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Farmers & Farm								
Managers	106	0.2	0	0.0	0	0.0	0.0	0.0
Other Agricultural								
Occupations & Fishermen	50	0.1	0	0.0	1	20.0	20.0	20.0
Higher-Professional	2,003	3.7	8	4.0	4	2.0	6.0	4.0
Lower-Professional	6,225	11.7	29	4.6	16	2.6	7.2	4.0
Managers	2,318	4.3	11	4.7	5	2.2	6.9	6.0
Salaried-Employees	705	1.3	2	2.8	2	2.8	5.7	5.7
Non-Manual Workers	13,275	24.8	53	4.0	36	2.7	6.7	4.9
Other Non-Manual								
Workers	5,164	9.7	33	6.3	14	2.7	9.0	6.8
Skilled Manual Workers	818	1.5	2	2.4	2	2.4	4.9	3.7
Semiskilled Manual								
Workers	3,246	6.1	19	5.8	10	3.1	8.9	4.9
Unskilled Manual								
Workers	7	0.0	0	0.0	0	0.0	0.0	0.0
Unemployed	2,062	3.9	16	7.7	8	3.9	11.5	10.6
Not Classifiable	1,656	3.1	14	8.4	6	3.6	12.0	10.2
Home Duties	14,821	27.7	86	5.8	39	2.6	8.4	6.0
Not Stated	973	1.8	15	15.2	10	10.3	25.3	18.3
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Note: 'Not Applicable' is not used in the classification of maternal occupation. See Appendix B for a description of the classification system for occupations.

Figure 3.5
Perinatal Mortality Rates by Mother's Occupation, 2000

Singleton Births



Note:

- See Table 3.5 for data. The adjusted rate excludes all deaths due to congenital anomalies.
- Categories where rates would be based on < 100 Livebirths are not included in this graph.

Table 3.6

Number of Previous Stillbirths

(for women having second and subsequent births)

Singleton Births

Previous Stillbirths	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0	30,931	98.1	148	4.8	79	2.6	7.3	5.0
1	544	1.7	9	16.3	2	3.7	19.9	19.9
2	49	0.2	0	0.0	0	0.0	0.0	0.0
3 and over	13	0.0	0	0.0	0	0.0	0.0	0.0
Not Stated	6	0.0	0	0.0	0	0.0	0.0	0.0
Total	31,543	100.0	157	5.0	81	2.6	7.5	5.2

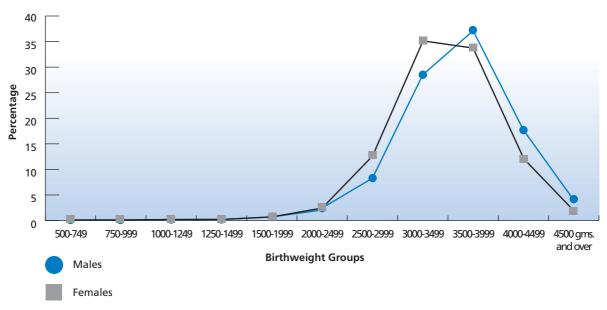
Note: Primaparas (i.e. women with no previous live births or stillbirths) are not included in this table.

Table 3.7 Birthweight – All Singleton Births

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Birthweight	Live Births	Per Cent (%)	Stillbirths	Stillbirth	_	Early Neonatal		Adjusted
(grams)		Live Births		Rate	Deaths	Rate	Mortality Rate	PMR
500-749	57	0.1	39	406.3	35	614.0	770.8	755.6
750-999	76	0.1	29	276.2	15	197.4	419.0	364.6
1000-1249	101	0.2	19	158.3	6	59.4	208.3	136.4
1250-1499	116	0.2	16	121.2	12	103.4	212.1	126.1
1500-1999	382	0.7	29	70.6	19	49.7	116.8	62.0
2000-2499	1,318	2.5	39	28.7	20	15.2	43.5	26.3
2500-2999	5,646	10.6	28	4.9	13	2.3	7.2	4.2
3000-3499	16,947	31.7	38	2.2	10	0.6	2.8	2.4
3500-3999	19,077	35.7	38	2.0	14	0.7	2.7	2.2
4000-4499	7,963	14.9	7	0.9	5	0.6	1.5	1.1
4500 and over	1,737	3.3	6	3.4	2	1.2	4.6	4.6
Not Stated	9	0.0	0	0.0	2	222.2	222.2	222.2
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Figure 3.6
Percentage Distribution of Live Births across Birthweight Groups, 2000



Note:

- See Tables 3.8 aand 3.9 for data.
- This table does not include 5 births for which the sex was recorded as 'indeterminate' or unknown'. Unknown data are not included in the calculation of percentages.

Table 3.8 Birthweight – Males

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Singleton Births

Birthweight	Live Births	Per Cent (%)	Stillbirths	Stillbirth	,	Early Neonatal		Adjusted
(grams)		Live Births		Rate	Deaths	Rate	Mortality Rate	PMR
500-749	29	0.1	19	395.8	21	724.1	833.3	818.2
750-999	45	0.2	15	250.0	11	244.4	433.3	370.4
1000-1249	57	0.2	10	149.3	4	70.2	209.0	116.7
1250-1499	61	0.2	9	128.6	6	98.4	214.3	127.0
1500-1999	193	0.7	17	81.0	10	51.8	128.6	75.8
2000-2499	639	2.3	24	36.2	13	20.3	55.8	35.4
2500-2999	2,430	8.9	9	3.7	8	3.3	7.0	3.3
3000-3499	7,865	28.6	23	2.9	7	0.9	3.8	3.0
3500-3999	10,133	36.9	22	2.2	10	1.0	3.2	2.8
4000-4499	4,854	17.7	6	1.2	4	0.8	2.1	1.6
4500 and over	1,147	4.2	3	2.6	2	1.7	4.3	4.3
Not Stated	2	0.0	0	0.0	0	0.0	0.0	0.0
Total	27,455	100.0	157	5.7	96	3.5	9.2	6.6

Note: This table does not include 5 births for which the sex was recorded as 'indeterminate' or 'unknown'.

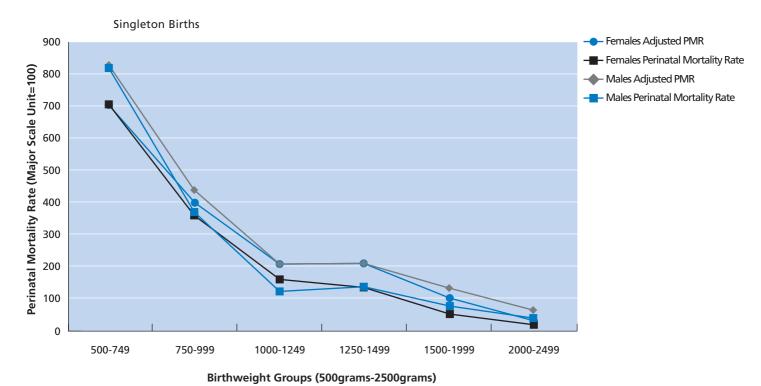
Table 3.9 Birthweight – Females

Singleton Births

Birthweight (grams)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
500-749	28	0.1	20	416.7	14	500.0	708.3	695.7
750-999	31	0.1	14	311.1	4	129.0	400.0	357.1
1000-1249	44	0.2	9	169.8	2	45.5	207.5	160.0
1250-1499	54	0.2	7	114.8	6	111.1	213.1	127.3
1500-1999	189	0.7	12	59.7	9	47.6	104.5	47.6
2000-2499	678	2.6	15	21.6	7	10.3	31.7	17.6
2500-2999	3,216	12.4	19	5.9	5	1.6	7.4	5.0
3000-3499	9,082	35.0	15	1.6	3	0.3	2.0	1.8
3500-3999	8,942	34.4	16	1.8	4	0.4	2.2	1.6
4000-4499	3,108	12.0	1	0.3	1	0.3	0.6	0.3
4500 and over	590	2.3	3	5.1	0	0.0	5.1	5.1
Not Stated	7	0.0	0	0.0	2	285.7	285.7	285.7
Total	25,969	100.0	131	5.0	57	2.2	7.2	5.2

Note: This table does not include 5 births for which the sex was recorded as 'indeterminate' or 'unknown'.

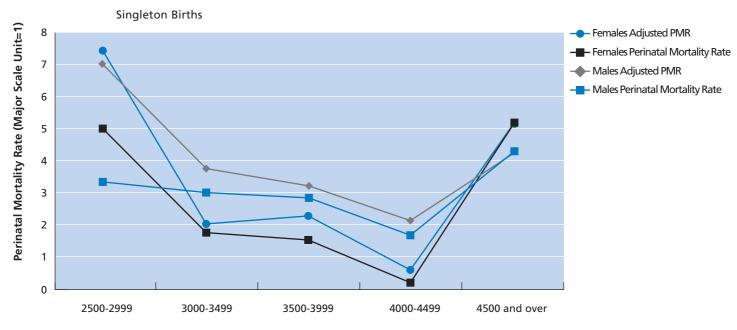
Figure 3.7 (A)
Perinatal Mortality Rates for Males and Females by Birthweight (500g – 2500g), 2000



Note:

- See Tables 3.8 and 3.9 for data.
- Infants whose sex was recorded as 'Indeterminate' or 'Unknown' or whose birthweight is unknown are not included.

Figure 3.7 (B)
Perinatal Mortality Rates for Males and Females by Birthweight (2500g – 4500g and over), 2000



Birthweight Groups (2500grams-4500grams and over)

Note:

- See Tables 3.8 and 3.9 for data.
- Infants whose sex was recorded as 'Indeterminate' or 'Unknown' or whose birthweight is unknown are not included.

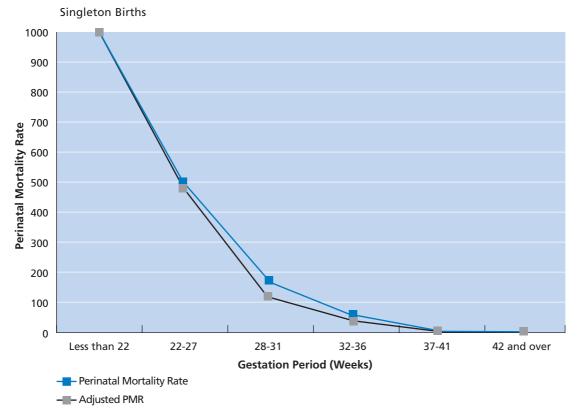
Table 3.10 Gestation Period at Delivery

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Singleton Births

Gestation Period (weeks)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Less than 22	1	0.0	4	800.0	1	1000.0	1000.0	1000.0
22-27	133	0.2	39	226.7	47	353.4	500.0	481.9
28-31	251	0.5	35	122.4	15	59.8	174.8	119.4
32-36	1,978	3.7	83	40.3	42	21.2	60.7	36.8
37-41	47,791	89.4	118	2.5	44	0.9	3.4	2.4
42 and over	3,234	6.1	8	2.5	4	1.2	3.7	2.8
Not Stated	41	0.1	1	23.8	0	0.0	23.8	23.8
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Figure 3.8
Perinatal Mortality Rates by Gestation Period, 2000



Note: See Table 3.10 for data.

Table 3.11
Interval in Years since Last Birth

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Singleton Births

Time since last birth	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
No Previous Births	21,886	41.0	131	5.9	72	3.3	9.2	6.9
1 year or less	472	0.9	3	6.3	3	6.4	12.6	12.6
>1 year to 2 years	7,286	13.6	21	2.9	17	2.3	5.2	2.9
>2 years to 3 years	8,054	15.1	48	5.9	18	2.2	8.1	6.1
>3 years to 4 years	5,288	9.9	19	3.6	14	2.6	6.2	3.2
>4 years to 5 years	3,138	5.9	12	3.8	5	1.6	5.4	3.2
>5 years to 6 years	2,030	3.8	6	2.9	3	1.5	4.4	3.4
More than 6 years	4,880	9.1	35	7.1	14	2.9	10.0	7.7
Not Stated	395	0.7	13	31.9	7	17.7	49.0	42.0
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Table 3.12 Month of Birth

Singleton Births

Month of Birth	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
January	4,318	8.1	30	6.9	15	3.5	10.3	7.4
February	4,162	7.8	22	5.3	7	1.7	6.9	4.8
March	4,461	8.3	25	5.6	11	2.5	8.0	5.8
April	4,332	8.1	23	5.3	6	1.4	6.7	5.3
May	4,562	8.5	26	5.7	13	2.8	8.5	5.5
June	4,479	8.4	29	6.4	15	3.3	9.8	7.1
July	4,632	8.7	23	4.9	12	2.6	7.5	6.5
August	4,559	8.5	28	6.1	15	3.3	9.4	7.0
September	4,590	8.6	20	4.3	14	3.1	7.4	5.0
October	4,544	8.5	22	4.8	15	3.3	8.1	5.1
November	4,463	8.4	22	4.9	18	4.0	8.9	6.3
December	4,327	8.1	18	4.1	12	2.8	6.9	5.3
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Table 3.13 Mother's Health Board of Residence

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Singleton Births

Mother's Health Board of Residence	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Eastern	20,573	38.5	122	5.9	63	3.1	8.9	6.8
Midland	3,066	5.7	24	7.8	12	3.9	11.7	8.4
Mid-Western	4,381	8.2	6	1.4	11	2.5	3.9	2.5
North-Eastern	4,676	8.8	28	6.0	10	2.1	8.1	6.2
North-Western	2,734	5.1	9	3.3	10	3.7	6.9	3.7
South-Eastern	5,863	11.0	25	4.2	14	2.4	6.6	5.1
Southern	7,475	14.0	44	5.9	19	2.5	8.4	5.2
Western	4,594	8.6	29	6.3	14	3.0	9.3	6.5
Other	42	0.1	1	23.3	0	0.0	23.3	23.3
Unknown	25	0.0	0	0.0	0	0.0	0.0	0.0
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Note: See Appendix D for the classification system employed for county of residence.

Section 3 General Characteristics

Part 2 Multiple Births

Section 3 General Characteristics Part 2 Multiple Births

Table 3.14
Maternities, Twins, Triplets, Quadruplets and Twinning Rate for 2000

Births*	Maternities	Sets of Twins	Sets of Triplets	Sets of Quadruplets	Twinning Rate
55166	54,436	698	16	1	12.8

^{*}Includes stillbirths.

Table 3.15 Age of Mother

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Multiple Births

Age of Mother	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
15-19	34	2.4	0	0.0	1	29.4	29.4	29.4
20-24	112	7.8	0	0.0	2	17.9	17.9	9.0
25-29	313	21.9	3	9.5	8	25.6	34.8	31.7
30-34	572	40.0	8	13.8	10	17.5	31.0	17.5
35-39	351	24.6	8	22.3	2	5.7	27.9	22.4
40-44	46	3.2	1	21.3	0	0.0	21.3	21.3
Not Stated	1	0.1	0	0.0	0	0.0	0.0	0.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

There were no multiple births to Mothers aged <15 years.

Table 3.16 Maternal Parity

Multiple Births

Maternal Parity	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0	519	36.3	7	13.3	14	27.0	39.9	28.8
1	469	32.8	7	14.7	6	12.8	27.3	21.1
2	250	17.5	2	7.9	1	4.0	11.9	8.0
3	97	6.8	1	10.2	2	20.6	30.6	20.6
4	47	3.3	0	0.0	0	0.0	0.0	0.0
5	28	2.0	2	66.7	0	0.0	66.7	66.7
6	6	0.4	0	0.0	0	0.0	0.0	0.0
More than 6	11	0.8	1	83.3	0	0.0	83.3	0.0
Not Stated	2	0.1	0	0.0	0	0.0	0.0	0.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 3.17 Marital Status

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Marital Status	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Married	1,116	78.1	14	12.4	19	17.0	29.2	21.4
Single	295	20.6	6	19.9	4	13.6	33.2	23.5
Widowed	4	0.3	0	0.0	0	0.0	0.0	0.0
Separated	12	0.8	0	0.0	0	0.0	0.0	0.0
Divorced	2	0.1	0	0.0	0	0.0	0.0	0.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 3.18
Father's Occupation

Multiple Births

Father's Occupation	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Farmers & Farm								
Managers	90	6.3	0	0.0	1	11.1	11.1	0.0
Other Agricultural								
Occupations & Fishermen	10	0.7	0	0.0	0	0.0	0.0	0.0
Higher-Professional	116	8.1	0	0.0	1	8.6	8.6	0.0
Lower-Professional	71	5.0	1	13.9	3	42.3	55.6	55.6
Managers	156	10.9	1	6.4	1	6.4	12.7	12.7
Salaried-Employees	48	3.4	0	0.0	0	0.0	0.0	0.0
Non-Manual Workers	123	8.6	2	16.0	1	8.1	24.0	16.1
Other Non-Manual								
Workers	97	6.8	0	0.0	2	20.6	20.6	0.0
Skilled Manual Workers	295	20.6	8	26.4	9	30.5	56.1	43.5
Semiskilled Manual								
Workers	63	4.4	2	30.8	0	0.0	30.8	30.8
Unskilled Manual								
Workers	18	1.3	0	0.0	0	0.0	0.0	0.0
Unemployed	32	2.2	0	0.0	0	0.0	0.0	0.0
Not Classifiable	3	0.2	1	250.0	1	333.3	500.0	500.0
Not Applicable	283	19.8	4	13.9	3	10.6	24.4	17.5
Not Stated	24	1.7	1	40.0	1	41.7	80.0	41.7
Total	1429	100.0	20	13.8	23	16.1	29.7	21.6

Note: There are no Fathers whose occupation was recorded as 'Home Duties' for Multiple births. See Appendix B for a description of the classification system for occupations.

Table 3.19 Mother's Occupation

Multiple Births

Mother's Occupation	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Farmers & Farm								
Managers	3	0.2	0	0.0	0	0.0	0.0	0.0
Other Agricultural								
Occupations & Fishermen	2	0.1	0	0.0	0	0.0	0.0	0.0
Higher-Professional	62	4.3	1	15.9	2	32.3	47.6	32.3
Lower-Professional	223	15.6	6	26.2	4	17.9	43.7	39.5
Managers	70	4.9	0	0.0	0	0.0	0.0	0.0
Salaried-Employees	14	1.0	0	0.0	1	71.4	71.4	0.0
Non-Manual Workers	338	23.7	6	17.4	6	17.8	34.9	29.2
Other Non-Manual								
Workers	122	8.5	0	0.0	2	16.4	16.4	0.0
Skilled Manual Workers	21	1.5	1	45.5	1	47.6	90.9	90.9
Semiskilled Manual								
Workers	80	5.6	1	12.3	1	12.5	24.7	0.0
Unemployed	34	2.4	0	0.0	1	29.4	29.4	29.4
Not Classifiable	23	1.6	0	0.0	0	0.0	0.0	0.0
Home Duties	414	29.0	4	9.6	4	9.7	19.1	14.4
Not Stated	23	1.6	1	41.7	1	43.5	83.3	43.5
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Note: 'Not Applicable' is not used in the classification of maternal occupation. See Appendix B for a description of the classification system for occupations.

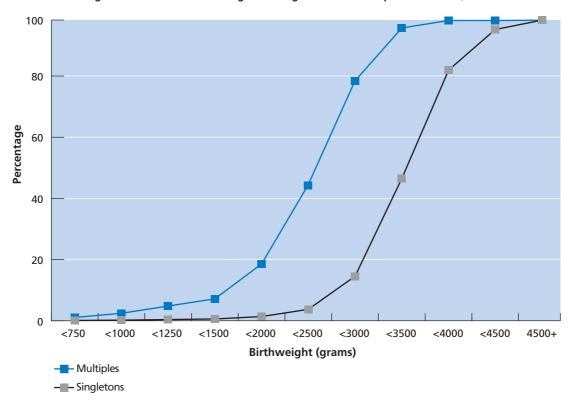
Table 3.20
Number of Previous Stillbirths
(for women having second and subsequent births)

Multiple Births

Previous Stillbirths	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Rate Mortality	Adjusted PMR
0	896	98.5	13	14.3	9	10.0	24.2	17.7
1	10	1.1	0	0.0	0	0.0	0.0	0.0
2	2	0.2	0	0.0	0	0.0	0.0	0.0
Not Stated	2	0.2	0	0.0	0	0.0	0.0	0.0
Total	910	100.0	13	14.1	9	9.9	23.8	17.4

Note: Primaparas (i.e. women with no previous live births or stillbirths) are not included in this table.

Figure 3.9
Birthweights: Cumulative Percentages of Singleton and Multiple Live Births, 2000



Note: Data are complied from tables 3.7 and 3.21.

Table 3.21 Birthweight – All Multiple Births

Birthweight (grams)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
500-749	20	1.4	5	200.0	12	600.0	680.0	652.2
750-999	26	1.8	2	71.4	5	192.3	250.0	192.3
1000-1249	23	1.6	0	0.0	0	0.0	0.0	0.0
1250-1499	39	2.7	2	48.8	1	25.6	73.2	73.2
1500-1999	150	10.5	4	26.0	1	6.7	32.5	13.2
2000-2499	361	25.3	2	5.5	3	8.3	13.8	8.3
2500-2999	501	35.1	2	4.0	0	0.0	4.0	4.0
3000-3499	263	18.4	2	7.5	0	0.0	7.5	3.8
3500-3999	43	3.0	0	0.0	0	0.0	0.0	0.0
4000-4499	2	0.1	0	0.0	0	0.0	0.0	0.0
Not Stated	1	0.1	1	500.0	1	1000.0	1000.0	-
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 3.22 Birthweight – Males

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Birthweight (grams)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
500-749	10	1.4	3	230.8	7	700.0	769.2	727.3
750-999	13	1.8	2	133.3	4	307.7	400.0	357.1
1000-1249	16	2.2	0	0.0	0	0.0	0.0	0.0
1250-1499	22	3.0	1	43.5	1	45.5	87.0	87.0
1500-1999	77	10.5	1	12.8	1	13.0	25.6	0.0
2000-2499	176	24.0	2	11.2	2	11.4	22.5	11.4
2500-2999	248	33.8	2	8.0	0	0.0	8.0	8.0
3000-3499	145	19.8	2	13.6	0	0.0	13.6	6.8
3500-3999	24	3.3	0	0.0	0	0.0	0.0	0.0
4000-4499	1	0.1	0	0.0	0	0.0	0.0	0.0
Not Stated	1	0.1	1	500.0	1	1000.0	1000.0	-
Total	733	100.0	14	18.7	16	21.8	40.2	27.1

Table 3.23 Birthweight – Females

Multiple Births

Birthweight (grams)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
500-749	10	1.4	2	166.7	5	500.0	583.3	583.3
750-999	13	1.9	0	0.0	1	76.9	76.9	0.0
1000-1249	7	1.0	0	0.0	0	0.0	0.0	0.0
1250-1499	17	2.4	1	55.6	0	0.0	55.6	55.6
1500-1999	73	10.5	3	39.5	0	0.0	39.5	26.7
2000-2499	185	26.6	0	0.0	1	5.4	5.4	5.4
2500-2999	253	36.4	0	0.0	0	0.0	0.0	0.0
3000-3499	118	17.0	0	0.0	0	0.0	0.0	0.0
3500-3999	19	2.7	0	0.0	0	0.0	0.0	0.0
4000-4499	1	0.1	0	0.0	0	0.0	0.0	0.0
Total	696	100.0	6	8.5	7	10.1	18.5	15.7

Table 3.24 Gestation Period at Delivery

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Gestation Period (weeks)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
22-27	41	2.9	5	108.7	16	390.2	456.5	404.8
28-31	85	5.9	5	55.6	3	35.3	88.9	57.5
32-36	470	32.9	5	10.5	1	2.1	12.6	8.5
37-41	831	58.2	5	6.0	3	3.6	9.6	6.0
Not Stated	2	0.1	0	0.0	0	0.0	0.0	0.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 3.25 Interval in Years since Last Birth

Multiple Births

Time since last birth	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
No Previous Births	519	36.3	7	13.3	14	27.0	39.9	28.8
1 year or less	28	2.0	0	0.0	0	0.0	0.0	0.0
>1 year to 2 years	187	13.1	4	20.9	5	26.7	47.1	31.9
>2 years to 3 years	246	17.2	0	0.0	1	4.1	4.1	0.0
>3 years to 4 years	160	11.2	4	24.4	2	12.5	36.6	24.7
>4 years to 5 years	84	5.9	2	23.3	0	0.0	23.3	23.3
>5 years to 6 years	50	3.5	1	19.6	1	20.0	39.2	39.2
More than 6 years	147	10.3	2	13.4	0	0.0	13.4	13.4
Not Stated	8	0.6	0	0.0	0	0.0	0.0	0.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 3.26 Month of Birth

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Month of Birth	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
January	140	9.8	3	21.0	0	0.0	21.0	21.0
February	111	7.8	1	8.9	3	27.0	35.7	27.0
March	124	8.7	2	15.9	5	40.3	55.6	40.3
April	134	9.4	2	14.7	4	29.9	44.1	29.9
May	113	7.9	1	8.8	5	44.2	52.6	27.0
June	107	7.5	1	9.3	0	0.0	9.3	9.3
July	120	8.4	1	8.3	1	8.3	16.5	0.0
August	105	7.3	2	18.7	1	9.5	28.0	28.0
September	110	7.7	2	17.9	1	9.1	26.8	26.8
October	125	8.7	1	7.9	0	0.0	7.9	7.9
November	123	8.6	2	16.0	3	24.4	40.0	24.4
December	117	8.2	2	16.8	0	0.0	16.8	16.8
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 3.27 Mother's Health Board of Residence

Multiple Births

Mother's Health Board of Residence	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Eastern	563	39.4	7	12.3	9	16.0	28.1	22.9
Midland	89	6.2	2	22.0	1	11.2	33.0	11.2
Mid-Western	147	10.3	0	0.0	7	47.6	47.6	34.5
North-Eastern	96	6.7	0	0.0	4	41.7	41.7	31.6
North-Western	62	4.3	0	0.0	0	0.0	0.0	0.0
South-Eastern	151	10.6	2	13.1	0	0.0	13.1	13.1
Southern	204	14.3	5	23.9	2	9.8	33.5	19.4
Western	115	8.0	4	33.6	0	0.0	33.6	25.4
Unknown	2	0.1	0	0.0	0	0.0	0.0	0.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Note: See Appendix D for the classification system employed for county of residence



Section 4 Perinatal Care Introduction

This section presents a detailed review on aspects of perinatal care for the mother and infant. Part 1 reports on singleton births and Part 2 on multiple births. The tables that follow outline data for live births, stillbirths and early neonatal deaths, together with their corresponding rates. The perinatal mortality rate and adjusted perinatal mortality rate are also outlined in each table. Tables and figures are presented in some detail for a variety of variables, for example, type of antenatal care, mother's length of stay, method of delivery, mother's immunity to rubella, type of feeding.

Section 4 Perinatal Care

Part 1 Singleton Births

Section 4 Perinatal Care

Part 1 Singleton Births

Table 4.1

Type of Antenatal Care

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Singleton Births

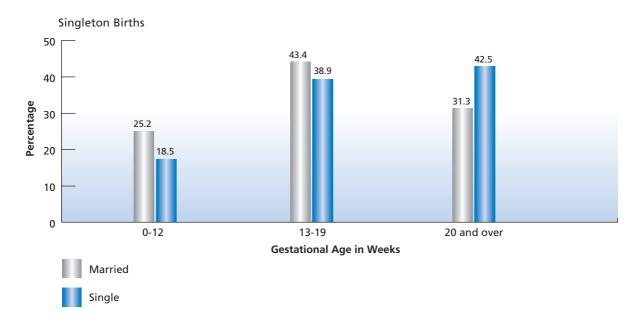
Type of Antenatal Care	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Hospital/Obstetrician	14,066	26.3	79	5.6	55	3.9	9.5	6.8
General Practitioner								
Only	102	0.2	2	19.2	0	0.0	19.2	19.2
Hospital and G.P.								
Combined	38,791	72.6	192	4.9	86	2.2	7.1	5.0
Midwife Only	80	0.1	1	12.3	1	12.5	24.7	24.7
None	353	0.7	14	38.1	11	31.2	68.1	60.4
Unknown	37	0.1	0	0.0	0	0.0	0.0	0.0
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Table 4.2
Time of First visit to Doctor or Hospital during Pregnancy

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Time of First Visit (Weeks)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0-12	11,811	22.1	65	5.5	26	2.2	7.7	5.7
13-19	21,498	40.2	94	4.4	52	2.4	6.8	4.6
20 and over	17,917	33.5	111	6.2	62	3.5	9.6	6.9
Not Stated	2,203	4.1	18	8.1	13	5.9	14.0	11.7
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Figure 4.1
Percentage Distribution of Time of First Visit to Doctor or Hospital by Marital Status, 2000



Note: See Appendix E, Table E11 for data. 'Not Stated' data are not included in the calculation of percentages.

Table 4.3 Mother's Length of Stay in Hospital Prior to Delivery

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Singleton Births

Antenatal Length of Stay (Days)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0-1 Days	47,197	88.7	231	4.9	119	2.5	7.4	5.3
2 Days	2,753	5.2	29	10.4	6	2.2	12.6	8.7
3-5 Days	1,805	3.4	19	10.4	8	4.4	14.8	12.1
6-8 Days	542	1.0	1	1.8	7	12.9	14.7	5.6
9-11 Days	263	0.5	2	7.5	3	11.4	18.9	15.2
12-14 Days	164	0.3	1	6.1	2	12.2	18.2	12.2
2 weeks or more	458	0.9	5	10.8	7	15.3	25.9	17.4
Not Stated	31	0.1	0	0.0	0	0.0	0.0	0.0
Total	53,213	100.0	288	5.4	152	2.9	8.2	5.9

Note:

^{- &#}x27;Not Stated' includes 27 births where place of birth was recorded as domiciliary but birth was registered by a hospital. Mother was not admitted under a planned community midwife scheme, therefore, dates of mother's length of stay were not applicable.

⁻ Domiciliary births, of which there were 216, are excluded from this table. See Appendix G for detailed analysis.

Table 4.4 Mother's Length of Stay in Hospital After Delivery

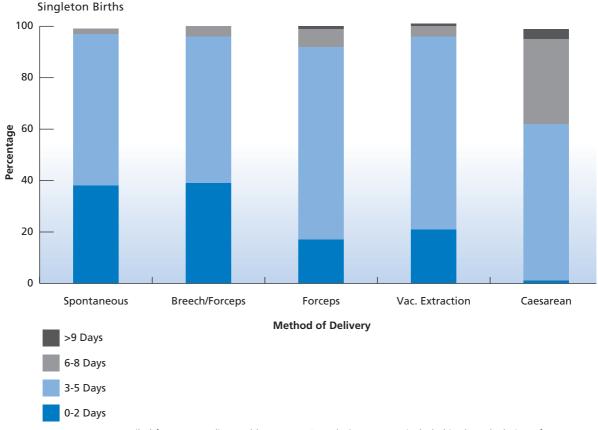
Singleton Births

Postnatal Length of Stay (Days)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0-1 Days	3,109	5.8	153	46.9	50	16.1	62.2	47.6
2 Days	11,664	21.9	74	6.3	24	2.1	8.3	6.1
3-5 Days	33,017	62.0	45	1.4	62	1.9	3.2	2.1
6-8 Days	4,721	8.9	14	3.0	10	2.1	5.1	3.6
9-11 Days	489	0.9	2	4.1	4	8.2	12.2	10.2
12-14 Days	98	0.2	0	0.0	1	10.2	10.2	0.0
2 weeks or more	84	0.2	0	0.0	1	11.9	11.9	11.9
Not Stated	31	0.1	0	0.0	0	0.0	0.0	0.0
Total	53,213	100.0	288	5.4	152	2.9	8.2	5.9

Note

- 'Not Stated' includes 27 births where place of birth was recorded as domiciliary but birth was registered by a hospital. Mother was not admitted under a planned community midwife scheme therefore dates of mother's length of stay were not applicable.
- Domiciliary births, of which there were 216, are excluded from this table. See Appendix G for detailed analysis.

Figure 4.2 Mother's Postnatal Length of Stay: Cumulative Percentages by Method of Delivery, 2000



Note: Data are compiled from Appendix E, Table E9. 'Not Stated' data are not included in the calculation of percentages.

Table 4.5 Method of Delivery

Singleton Births

Method of Delivery	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Spontaneous	34,490	64.6	200	5.8	67	1.9	7.7	5.8
Breech/Forceps	192	0.4	37	161.6	14	72.9	222.7	175.9
Forceps	2,018	3.8	8	3.9	1	0.5	4.4	4.0
Vac. Extraction	5,602	10.5	9	1.6	6	1.1	2.7	2.0
Caesarean	10,978	20.5	31	2.8	64	5.8	8.6	4.9
Other specified &								
Combined	141	0.3	3	20.8	1	7.1	27.8	27.8
Not Stated	8	0.0	0	0.0	0	0.0	0.0	0.0
Total	53,429	100.0	288	5.4	153	2.9	8.2	5.9

Table 4.6
Advance Hospital Bookings

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Singleton Births

Advance Hospital Bookings	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Booked	51,424	96.6	254	4.9	133	2.6	7.5	5.3
Not Booked	1,783	3.4	34	18.7	19	10.7	29.2	24.3
Not Stated	6	0.0	0	0.0	0	0.0	0.0	0.0
Total	53,213	100.0	288	5.4	152	2.9	8.2	5.9

Note:

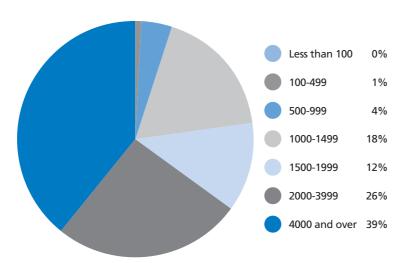
- Domiciliary births, of which there were 216, are excluded from this table. See Appendix G for detailed analysis.
- 'Not Stated' includes 4 births under a planned community midwife scheme therefore hospital booking does not apply. For the purposes of this report these births are treated as hospital births due to the small numbers.

Table 4.7
Size of Maternity Unit (number of live births and stillbirths annually)

Size of Maternity Unit	Number of Hospitals	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Less than 100	13	22	0.0	0	0.0	0	0.0	0.0	0.0
100-499	1	296	0.5	4	13.3	0	0.0	13.3	10.0
500-999	3	2,339	4.3	9	3.8	7	3.0	6.8	4.3
1000-1499	8	9,954	18.2	57	5.7	25	2.5	8.2	5.6
1500-1999	4	6,546	12.0	34	5.2	20	3.1	8.2	5.8
2000-3999	5	13,978	25.6	64	4.6	35	2.5	7.1	5.1
4000 and over	3	21,507	39.4	140	6.5	88	4.1	10.5	7.8
Total	37	54,642	100.0	308	5.6	175	3.2	8.8	6.3

Note: This table includes multiple births but excludes domiciliary births of which there were 216.

Figure 4.3
Percentage of Live Births by Size of Maternity Unit, 2000



Note: See Table 4.7 for data. The size of unit refers to the number of live births and stillbirths occurring annually.

Table 4.8 Inter-Hospital Transfer of Infants

Live Births, Early Neonatal Deaths and Mortality Rates, 2000

Singleton Births

Infant Transfers	Live Births	Per Cent (%) Live Births	Early Neonatal Deaths	Early Neonatal Rate
Transferred	333	0.6	8	24.0
Not Transferred	52,853	99.3	144	2.7
Not Stated	27	0.0	0	0.0
Total	53,213	100.0	152	2.9

Note:

- Domiciliary births, of which there were 216, are excluded from this table. See Appendix G for detailed analysis.
- 'Not Stated' includes 24 births where place of birth was recorded as domiciliary but birth was registered by a hospital. Mother was not admitted under a planned community midwife scheme therefore transfer information was not applicable.

Table 4.9 Rubella: Immune Status of Mother Numbers and Percentages, 2000

Rubella	Frequency	Per Cent (%)
Immune	47,179	87.8
Not Immune	1,651	3.1
Unknown	4,885	9.1
Not Stated	2	0.0
Total	53,717	100.0

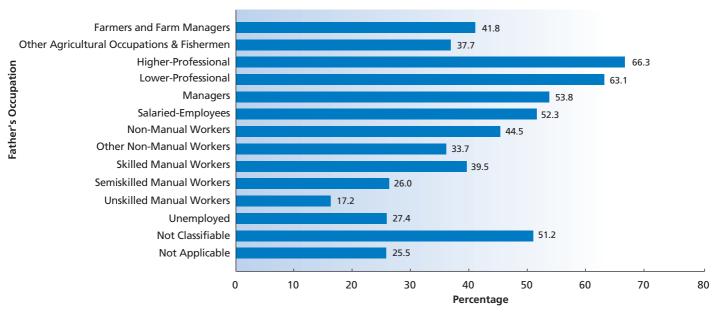
Table 4.10 Age of Mother by Infant's Type of Feeding Numbers and Percentages, 2000

Age of Mother			Type of Feeding		
Frequency Row Per Cent Col. Per Cent	Artificial	Breast	Combined	Not Stated	Total
Under 15	10 83.33	2 16.67	0 0.00	0 0.00	12
	0.03	0.01	0.00	0.00	0.02
15-19	2,559	501	23	12	3,095
	82.68	16.19	0.74	0.39	
	8.02	2.44	2.72	8.63	5.79
20-24	5,691	2,074	97	23	7,885
	72.18	26.30	1.23	0.29	
	17.83	10.11	11.48	16.55	14.76
25-29	8,323	4,725	233	31	13,312
	62.52	35.49	1.75	0.23	
	26.07	23.02	27.57	22.30	24.92
30-34	9,423	7,769	305	44	17,541
	53.72	44.29	1.74	0.25	
	29.52	37.85	36.09	31.65	32.83
35-39	4,959	4,631	155	25	9,770
	50.76	47.40	1.59	0.26	
	15.54	22.56	18.34	17.99	18.29
40-44	901	790	32	3	1,726
	52.20	45.77	1.85	0.17	
	2.82	3.85	3.79	2.16	3.23
45 and over	41	25	0	1	67
	61.19	37.31	0.00	1.49	
	0.13	0.12	0.00	0.72	0.13
Not Stated	14	7	0	0	21
	66.67	33.33	0.00	0.00	
	0.04	0.03	0.00	0.00	0.04
Total	31,921 59.74	20,524 38.41	845 1.58	139 0.26	53,429 100.00

Note

- See Appendix E for an explanation of the table format.
- 'Not Stated' contains 88 Early Neonatal Deaths for which Type of Feeding was not stated.

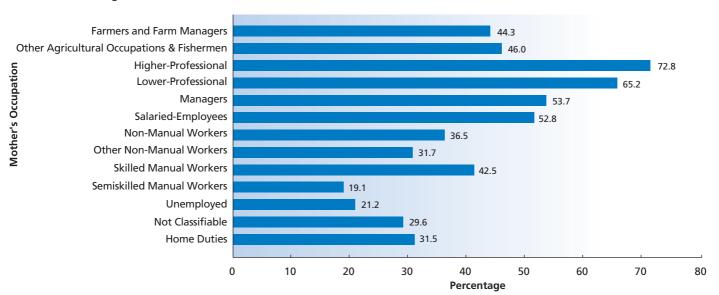
Figure 4.4
Percentage of Mothers Breastfeeding by Father's Occupation, 2000



Note: Data are compiled from Appendix E, Table E15. 'Not Stated' data are not included in the calculation of percentages.

Figure 4.5
Percentage of Mothers Breastfeeding by Mother's Occupation, 2000

Singleton Births

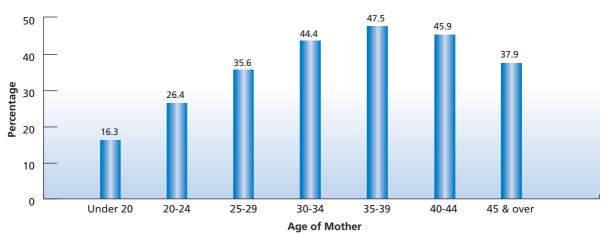


Note:

- Data are compiled from Appendix E, Table E16. 'Not Stated' data are not included in the calculation of percentages.
- Categories where percentages would be based on <50 births are not included in this graph.

Figure 4.6
Percentage of Mothers Breastfeeding by Age of Mother, 2000





Note: See Table 4.10 for data. 'Not Stated' data are not included in the calculation of percentages.

Section 4 Perinatal Care

Part 2 Multiple Births

Section 4 Perinatal Care

Part 2 Multiple Births

Table 4.11
Type of Antenatal Care

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Multiple Births

Type of Antenatal Care	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Hospital/Obstetrician	570	39.9	9	15.5	13	22.8	38.0	33.0
General Practitioner								
Only	10	0.7	0	0.0	0	0.0	0.0	0.0
Hospital and G.P.								
Combined	835	58.4	9	10.7	8	9.6	20.1	9.6
None	14	1.0	2	125.0	2	142.9	250.0	250.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 4.12
Time of First Visit to Doctor or Hospital during Pregnancy

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Multiple Births

Time of First Visit (Weeks)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0-12	307	21.5	1	3.2	4	13.0	16.2	13.0
13-19	566	39.6	6	10.5	7	12.4	22.7	12.4
20 and over	449	31.4	11	23.9	8	17.8	41.3	30.8
Not Stated	107	7.5	2	18.3	4	37.4	55.0	55.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 4.13 Mother's Length of Stay in Hospital Prior to Delivery

Multiple Births

Antenatal Length of Stay (Days)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0-1 Days	1,101	77.0	17	15.2	12	10.9	25.9	16.3
2 Days	72	5.0	3	40.0	0	0.0	40.0	40.0
3-5 Days	92	6.4	0	0.0	7	76.1	76.1	76.1
6-8 Days	64	4.5	0	0.0	1	15.6	15.6	15.6
9-11 Days	31	2.2	0	0.0	0	0.0	0.0	0.0
12-14 Days	26	1.8	0	0.0	2	76.9	76.9	76.9
2 weeks or more	43	3.0	0	0.0	1	23.3	23.3	0.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Note: There were no domiciliary multiple births.

Table 4.14 Mother's Length of Stay in Hospital After Delivery

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Multiple Births

Postnatal Length of Stay (Days)	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
0-1 Days	30	2.1	4	117.6	6	200.0	294.1	294.1
2 Days	80	5.6	3	36.1	2	25.0	60.2	25.0
3-5 Days	738	51.6	8	10.7	11	14.9	25.5	16.2
6-8 Days	444	31.1	3	6.7	4	9.0	15.7	13.5
9-11 Days	92	6.4	2	21.3	0	0.0	21.3	10.8
12-14 Days	34	2.4	0	0.0	0	0.0	0.0	0.0
2 weeks or more	9	0.6	0	0.0	0	0.0	0.0	0.0
Not Stated	2	0.1	0	0.0	0	0.0	0.0	0.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Note: There were no domiciliary multiple births.

70
60
50
40
30

Figure 4.7
Percentage Distribution of Births by Mother's Postnatal Length of Stay in Days, 2000

Note: Includes stillbirths. See Tables 4.4 and 4.14 for data. 'Not Stated' data are not included in the calculation of percentages.

Length of Stay

9-11 Days

12-14 Days

2 weeks or more

6-8 Days

Table 4.15 Method of Delivery

0-2 Days

---- Multiple Births

Singleton Births

20

10

0

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

3-5 Days

Multiple Births

Method of Delivery	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Spontaneous	482	33.7	7	14.3	9	18.7	32.7	24.7
Breech/Forceps	91	6.4	1	10.9	3	33.0	43.5	43.5
Forceps	36	2.5	0	0.0	0	0.0	0.0	0.0
Vac. Extraction	97	6.8	0	0.0	0	0.0	0.0	0.0
Caesarean	719	50.3	11	15.1	11	15.3	30.1	19.4
Other specified &								
Combined	4	0.3	1	200.0	0	0.0	200.0	200.0
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Table 4.16 Advance Hospital Bookings

Live Births, Stillbirths, Early Neonatal Deaths and Mortality Rates, 2000

Multiple Births

Advance Hospital Bookings	Live Births	Per Cent (%) Live Births	Stillbirths	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
Booked	1,382	96.7	18	12.9	22	15.9	28.6	20.2
Not Booked	47	3.3	2	40.8	1	21.3	61.2	61.2
Total	1,429	100.0	20	13.8	23	16.1	29.7	21.6

Note: There were no domiciliary multiple births.

Table 4.17 Inter Hospital Transfer of Infants

Live Births, Early Neonatal Deaths and Mortality Rates, 2000

Multiple Births

Infant Transfers	Live Births	Per Cent (%) Live Births	Early Neonatal Deaths	Early Neonatal Rate
Transferred	39	2.7	3	76.9
Not Transferred	1,390	97.3	20	14.4
Total	1,429	100.0	23	16.1

Note: There were no domiciliary multiple births.

Table 4.18 Rubella: Immune Status of Mother Numbers and Percentages, 2000

Multiple Births

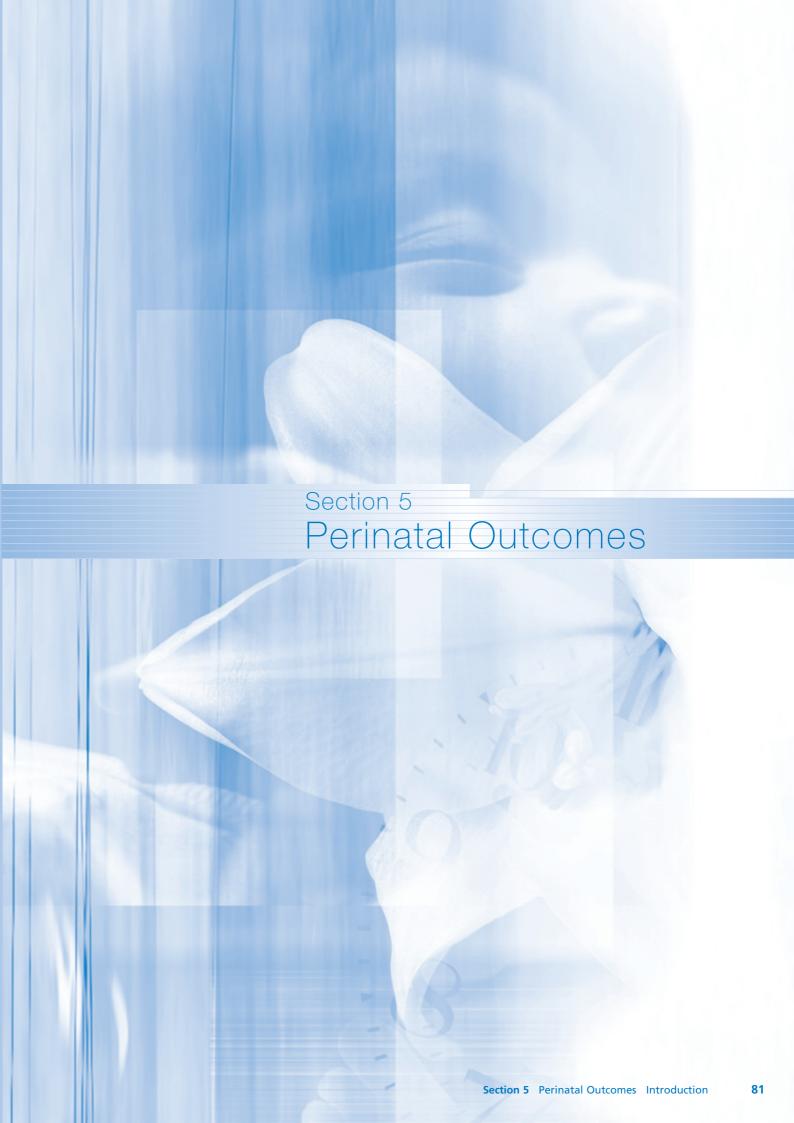
Rubella	Frequency	Per Cent (%)
Immune	1,197	82.6
Not Immune	62	4.3
Unknown	190	13.1
Total	1,449	100.0

Table 4.19 Age of Mother by Infant's Type of Feeding Numbers and Percentages, 2000

Age of Mother	Type of Feeding										
Frequency Row Per Cent Col. Per Cent	Artificial	Breast	Combined	Not Stated	Total						
15-19	25	7	1	1	34						
	73.53	20.59	2.94	2.94							
	2.70	1.64	1.72	5.88	2.38						
20-24	85	21	5	1	112						
	75.89	18.75	4.46	0.89							
	9.17	4.92	8.62	5.88	7.84						
25-29	218	74	16	5	313						
	69.65	23.64	5.11	1.60							
	23.52	17.33	27.59	29.41	21.90						
30-34	362	172	30	8	572						
	63.29	30.07	5.24	1.40							
	39.05	40.28	51.72	47.06	40.03						
35-39	209	134	6	2	351						
	59.54	38.18	1.71	0.57							
	22.55	31.38	10.34	11.76	24.56						
40-44	27	19	0	0	46						
	58.70	41.30	0.00	0.00							
	2.91	4.45	0.00	0.00	3.22						
Not Stated	1	0	0	0	1						
	100.00	0.00	0.00	0.00							
	0.11	0.00	0.00	0.00	0.07						
Total	927	427	58	17	1,429						
	64.87	29.88	4.06	1.19	100.00						

Note:

- See Appendix E for an explanation of the table format.- 'Not Stated' contains 17 Early Neonatal Deaths where Type of Feeding was not recorded.



Section 5 Perinatal Outcomes Introduction

This section presents a detailed review on aspects of perinatal outcomes for the infant. Part 1 reports on singleton births and Part 2 on multiple births. Cause of death are examined in greater detail according to the guidelines set out by the World Health Organisation in the ninth revision of the International Classification of Diseases. The tables that follow outline data for live births, antepartum and intrapartum stillbirths and early neonatal deaths, together with their corresponding rates. Mortality numbers and rates are presented by birthweight and cause of death. Age at death for early neonatal deaths and post-mortem analysis are also outlined.

Section 5 Perinatal Outcomes

Part 1 Singleton Births

Section 5 Perinatal Outcomes Part 1 Singleton Births

Table 5.1 Live Births, Antepartum and Intrapartum Stillbirths, Early Neonatal Deaths and Mortality Rates by Birthweight, 2000

Birthweight	Live Births	Per Cent (%) Live Births	Ante- partum Stillbirths	Intra- partum Stillbirths	Not Stated	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
500-749	57	0.1	29	6	4	406.3	35	614.0	770.8	755.6
750-999	76	0.1	22	3	4	276.2	15	197.4	419.0	364.6
1000-1249	101	0.2	16	1	2	158.3	6	59.4	208.3	136.4
1250-1499	116	0.2	10	0	6	121.2	12	103.4	212.1	126.1
1500-1999	382	0.7	19	3	7	70.6	19	49.7	116.8	62.0
2000-2499	1,318	2.5	25	3	11	28.7	20	15.2	43.5	26.3
2500-2999	5,646	10.6	20	0	8	4.9	13	2.3	7.2	4.2
3000-3499	16,947	31.7	31	2	5	2.2	10	0.6	2.8	2.4
3500-3999	19,077	35.7	26	6	6	2.0	14	0.7	2.7	2.2
4000-4499	7,963	14.9	1	4	2	0.9	5	0.6	1.5	1.1
4500 gms.										
and over	1,737	3.3	5	1	0	3.4	2	1.2	4.6	4.6
Not Stated	9	0.0	0	0	0	0.0	2	222.2	222.2	222.2
Total	53,429	100.0	204	29	55	5.4	153	2.9	8.2	5.9

Table 5.2 Stillbirths, Early Neonatal Deaths and Mortality Rates by Cause of Death, 2000

ICD Codes	Cause of Death	Stillbirths	Stillbirth Rate	Early Neonatal	Early Neonatal	Total Deaths	Perinatal Mortality
				Deaths	Rate		Rate
740	Congenital Anomalies	0	0.45	40	0.40	40	0.24
740	Anencephalus	8	0.15	10	0.19	18	0.34
741	Spina Bifida	1	0.02	3	0.06	4	0.07
742	Other Central Nervous System Anomalies	2	0.04	2	0.04	4	0.07
743	Other Congenital Anomalies	6	0.11	10	0.19	16	0.30
745	Bulbus Cordis and Septal Closure	4	0.07	2	0.04	6	0.11
746	Other Congenital Anomalies of the Heart	2	0.04	8	0.15	10	0.19
748	Congenital Anomalies of Respiratory System	3	0.06	13	0.24	16	0.30
753	Congenital Anomalies of Urinary System	2	0.04	11	0.21	13	0.24
754.0-756.9		1	0.02	7	0.13	8	0.15
758	Chromosomal Anomalies including Down's Syndrome	16	0.30	13	0.24	29	0.54
	Maternal Conditions and Complications in Pregnancy						
760	Maternal Hypertensive Disorders	8	0.15	1	0.02	9	0.17
760.1-761.9	Other Maternal Complications	8	0.15	5	0.09	13	0.24
762.0	Placenta Praevia	1	0.02	0	0.00	1	0.02
762.1	Other Placnetal Separation and Haemorrhage	26	0.48	7	0.13	33	0.61
762.2	Other Morphological and Functional Abnormalities						
	of Placenta	24	0.45	0	0.00	24	0.45
762.4	Porlapsed Cord	1	0.02	0	0.00	1	0.02
762.5	Other Compression of Umbilical Cord	19	0.35	0	0.00	19	0.35
762.6-762.9	Other Complications of Placenta, Cord & Membranes	15	0.28	2	0.04	17	0.32
763.2-763.9	Other Complications of Labour/Delivery	2	0.04	2	0.04	4	0.07
	Slow Fetal Growth, Malnutrition & Immaturity						
764	Slow Fetal Growth & Malnutrition	5	0.09	0	0.00	5	0.09
765	Short Gestation and Low Birthweight	10	0.19	19	0.36	29	0.54
	Birth Trauma						
767	Birth Trauma	0	0.00	1	0.02	1	0.02
768	Intrauterine Hypoxia/Anoxia	46	0.86	7	0.13	53	0.99
769	Respiratory Distress Syndrome	0	0.00	3	0.06	3	0.06
770	Respiratory Conditions of Foetus/Newborn	5	0.09	7	0.13	12	0.22
	Other Foetal and Neonatal Conditions						
771	Perinatal Infections	0	0.00	2	0.04	2	0.04
772	Neonatal/Fetal Haemorrhage	2	0.04	2	0.04	4	0.07
773	Haemolytic Diseases	1	0.02	0	0.00	1	0.02
775	Metabolic and Endocrine Disorders	0	0.00	3	0.06	3	0.06
778	Integument and Temperature Regulation	2	0.04	4	0.07	6	0.11
770	Maceration, Ill-Defined Conditions and All other Cau		0.0 1		0.07		0.11
779.9	Maceration	24	0.45	0	0.00	24	0.45
	Symptoms, Signs, and Ill-Defined Conditions	35	0.45	4	0.07	39	0.43
0-139.9	Infectious Diseases	1	0.03	1	0.07	2	0.73
					0.02		
460-519.9	Respiratory Diseases	1	0.02	0		1	0.02
Total	All Other Causes	7	0.13	4	0.07	11	0.20
Total		288	5.36	153	2.86	441	8.21

Table 5.3
Perinatal Mortality, Numbers and Rates, by Birthweight and Cause of Death, 2000

Birthweight (grams)	Ancer	bhalus	Spina	Nervous S				Other Co Anom				
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
500-749	0	0.0	0	0.0	0	0.0	0	0.0	2	20.8	4	41.7
750-999	2	19.0	0	0.0	0	0.0	1	9.5	3	28.6	3	28.6
1000-1249	2	16.7	1	8.3	0	0.0	0	0.0	3	25.0	4	33.3
1250-1499	4	30.3	0	0.0	1	7.6	0	0.0	2	15.2	6	45.5
1500-1999	4	9.7	0	0.0	0	0.0	3	7.3	8	19.5	9	21.9
2000-2499	1	0.7	1	0.7	1	0.7	1	0.7	5	3.7	15	11.1
2500-2999	4	0.7	0	0.0	0	0.0	2	0.4	3	0.5	8	1.4
3000-3499	1	0.1	0	0.0	1	0.1	4	0.2	1	0.1	1	0.1
3500-3999	0	0.0	2	0.1	1	0.1	3	0.2	2	0.1	2	0.1
4000-4499	0	0.0	0	0.0	0	0.0	2	0.3	0	0.0	1	0.1
4500 gms.												
and over	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not Stated	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	18	0.3	4	0.1	4	0.1	16	0.3	29	0.5	53	1.0

Table 5.3 Continued Perinatal Mortality, Numbers and Rates, by Birthweight and Cause of Death, 2000

Birthweight (grams)		ernal cations		ta, Cord branes				Foetal wth	Birth 1	īrauma	Hypoxia/	'Anoxia
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
500-749	3	31.3	16	166.7	0	0.0	23	239.6	1	10.4	10	104.2
750-999	5	47.6	11	104.8	0	0.0	3	28.6	0	0.0	8	76.2
1000-1249	0	0.0	8	66.7	0	0.0	1	8.3	0	0.0	2	16.7
1250-1499	2	15.2	5	37.9	0	0.0	3	22.7	0	0.0	2	15.2
1500-1999	3	7.3	3	7.3	0	0.0	1	2.4	0	0.0	8	19.5
2000-2499	4	2.9	10	7.4	1	0.7	2	1.5	0	0.0	6	4.4
2500-2999	0	0.0	8	1.4	0	0.0	1	0.2	0	0.0	5	0.9
3000-3499	0	0.0	17	1.0	0	0.0	0	0.0	0	0.0	14	0.8
3500-3999	2	0.1	14	0.7	2	0.1	0	0.0	0	0.0	8	0.4
4000-4499	2	0.3	3	0.4	0	0.0	0	0.0	0	0.0	3	0.4
4500 gms.												
and over	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0	2	1.1
Not Stated	1	111.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	22	0.4	95	1.8	4	0.1	34	0.6	1	0.0	68	1.3

Table 5.3 Continued
Perinatal Mortality, Numbers and Rates, by Birthweight and Cause of Death, 2000

Birthweight (grams)	Perir Infec					Haemolytic Disease		bolic, crine pances	Integument, Temperature Regulations		Macera	ation
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
500-749	1	10.4	1	10.4	0	0.0	1	10.4	1	10.4	3	31.3
750-999	0	0.0	1	9.5	0	0.0	0	0.0	0	0.0	2	19.0
1000-1249	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	25.0
1250-1499	1	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1500-1999	0	0.0	0	0.0	1	2.4	0	0.0	1	2.4	3	7.3
2000-2499	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	8	5.9
2500-2999	0	0.0	0	0.0	0	0.0	0	0.0	2	0.4	3	0.5
3000-3499	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
3500-3999	0	0.0	0	0.0	0	0.0	1	0.1	2	0.1	1	0.1
4000-4499	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
4500 and over	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0
Not Stated	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	2	0.0	4	0.1	1	0.0	3	0.1	6	0.1	24	0.4

Table 5.3 Continued Perinatal Mortality, Numbers and Rates, by Birthweight and Cause of Death, 2000

Singleton Births

Birthweight (grams)	and III-I	ms, Signs Defined litions	All Other Causes		Not Stated		All Causes of Perinatal Mortality	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
500-749	5	52.1	3	31.3	0	0.0	74	770.8
750-999	2	19.0	3	28.6	0	0.0	44	419.0
1000-1249	1	8.3	0	0.0	0	0.0	25	208.3
1250-1499	2	15.2	0	0.0	0	0.0	28	212.1
1500-1999	1	2.4	3	7.3	0	0.0	48	116.8
2000-2499	3	2.2	0	0.0	0	0.0	59	43.5
2500-2999	5	0.9	0	0.0	0	0.0	41	7.20
3000-3499	7	0.4	1	0.1	0	0.0	48	2.8
3500-3999	11	0.6	1	0.1	0	0.0	52	2.7
4000-4499	0	0.0	0	0.0	0	0.0	12	1.5
4500 and over	1	0.6	3	1.7	0	0.0	8	4.6
Not Stated	1	111.1	0	0.0	0	0.0	2	222.2
Total	39	0.7	14	0.3	0	0.0	441	8.2

Note: See Appendix C for a list of the International Classification of Disease codes corresponding to each cause of death.

Table 5.4 Age at Death Early Neonatal Deaths, 2000

Time	Frequency	Per Cent
Completed Hours <1	40	26.1
1	20	13.1
2	8	5.2
3	4	2.6
4	3	2.0
5	3	2.0
6	6	3.9
7	3	2.0
8	1	0.7
9	1	0.7
10	5	3.3
11	2	1.3
12	2	1.3
15	1	0.7
16	1	0.7
17	1	0.7
21	2	1.3
Total under 1 day	103	67.3
Days 1	18	11.8
2	13	8.5
3	10	6.5
4	3	2.0
5	3	2.0
6	2	1.3
7	1	0.7
Total Under 1 Week	50	32.7
Total	153	100.0

Table 5.5
Percentage Distribution of Live Births
By Infant's Length of Stay in Hospital, 2000

Infant's Length of Stay (Days)	Live Births	Per Cent (%) Live Births
0-2	14,505	27.3
3-5	32,094	60.5
6-10	5,159	9.7
11-28	854	1.6
29 or more	405	0.8
Not Stated	44	0.1
Total	53,061	100.0

Note: This table does not include domiciliary births and early neonatal deaths.

Table 5.6
Percentage of Stillbirths and Early Neonatal Deaths
Undergoing Post-Mortem Examinations, 2000

Singleton Births

Autopsy		Type of Death	
Frequency Row Per Cent Col. Per Cent	Early Neonatal Deaths	Stillbirths	Total
Post-Mortem	64	154	218
	29.36	70.64	
	41.83	53.47	49.43
No Post-Mortem	84	129	213
	39.44	60.56	
	54.90	44.79	48.30
Not Stated	5	5	10
	50.00	50.00	
	3.27	1.74	2.27
Total	153	288	441
	34.69	65.31	100.00

Note: See Appendix E for an explanation of the table format.

Section 5 Perinatal Outcomes

Part 2 Multiple Births

Section 5 Perinatal Outcomes Part 2 Multiple Births

Table 5.7 Live Births, Antepartum and Intrapartum Stillbirths, Early Neonatal Deaths and Mortality Rates by Birthweight, 2000

Multiple Births

Birthweight (grams)	Live Births	Per Cent (%) Live Births	Ante- partum Stillbirths	Intra- partum Stillbirths	Not Stated	Stillbirth Rate	Early Neonatal Deaths	Early Neonatal Rate	Perinatal Mortality Rate	Adjusted PMR
500-749	20	1.4	3	2	0	200.0	12	600.0	680.0	652.2
750-999	26	1.8	2	0	0	71.4	5	192.3	250.0	192.3
1000-1249	23	1.6	0	0	0	0.0	0	0.0	0.0	0.0
1250-1499	39	2.7	2	0	0	48.8	1	25.6	73.2	73.2
1500-1999	150	10.5	4	0	0	26.0	1	6.7	32.5	13.2
2000-2499	361	25.3	2	0	0	5.5	3	8.3	13.8	8.3
2500-2999	501	35.1	1	0	1	4.0	0	0.0	4.0	4.0
3000-3499	263	18.4	1	0	1	7.5	0	0.0	7.5	3.8
3500-3999	43	3.0	0	0	0	0.0	0	0.0	0.0	0.0
4000-4499	2	0.1	0	0	0	0.0	0	0.0	0.0	0.0
Not Stated	1	0.1	0	1	0	500.0	1	1000.0	1000.0	-
Total	1,429	100.0	15	3	2	13.8	23	16.1	29.7	21.6

Table 5.8
Stillbirths, Early Neonatal Deaths and Mortality Rates by Cause of Death, 2000

Cause of Death	Stillbirths	Stillbirth Rate	Early Neonatal	Early Neonatal Deaths	Total Deaths Rate	Perinatal Mortality Rate
Anencephalus	0	0.00	1	0.70	1	0.69
Spina Bifida	1	0.69	0	0.00	1	0.69
Other Central Nervous System Anomalies	1	0.69	0	0.00	1	0.69
Other Congenital Anomalies	2	1.38	2	1.40	4	2.76
Other Congenital Anomalies of the Heart	0	0.00	1	0.70	1	0.69
Congenital Anomalies of Respiratory System	0	0.00	1	0.70	1	0.69
Congenital Anomalies of Urinary System	0	0.00	2	1.40	2	1.38
Musculoskeletal System	0	0.00	1	0.70	1	0.69
Other Maternal Complications	1	0.69	0	0.00	1	0.69
Other Placnetal Separation and Haemorrhage	1	0.69	3	2.10	4	2.76
Other Complications of Placenta, Cord, Membranes	3	2.07	1	0.70	4	2.76
Other Compressions of Umbilical Cord	1	0.69	0	0.00	1	0.69
Short Gestation and Low Birthweight	2	1.38	9	6.30	11	7.59
Intrauterine Hypoxia/Anoxia	3	2.07	0	0.00	3	2.07
Respiratory Conditions of Foetus/Newborn	0	0.00	1	0.70	1	0.69
Symptoms, Signs, and III-Defined Conditions	3	2.07	0	0.00	3	2.07
All Other Causes	2	1.38	1	0.70	3	2.07
Total	20	13.80	23	16.10	43	29.68

Note: See Appendix C for a list of the International Classification of Diseases codes corresponding to each cause of death.

Table 5.9

Number of Perinatal Deaths by Birthweight and Cause of Death, 2000

Birthweight (grams)	500-749	750-999	1000-1249	1250-1499	1500-1999	2000-2499	2500-2999	3000-3499	Not Stated	Total
Anencephalus	0	0	0	0	0	1	0	0	0	1
Spina Bifida	0	0	0	0	1	0	0	0	0	1
Other Central										
Nervous System										
Anomalies	0	0	0	0	0	0	0	1	0	1
Other Congenital										
Anomalies	2	2	0	0	2	1	0	0	1	8
Other Congenital										
Anomalies of										
the Heart	0	0	0	0	0	0	0	0	1	1
Maternal										
Complications	0	0	0	0	0	0	1	0	0	1
Other										
Complications										
of Placenta, Cord,										
Membranes	4	3	0	1	0	0	0	1	0	9
Slow Fetal Growth	9	2	0	0	0	0	0	0	0	11
Hypoxia/Anoxia	1	0	0	1	0	1	1	0	0	4
Symptoms, Signs,										
and III-Defined										
Conditions	0	0	0	1	1	1	0	0	0	3
All other Causes	1	0	0	0	1	1	0	0	0	3
Total	17	7	0	3	5	5	2	2	2	43

Note: See Appendix C for a list of the International Classification of Diseases codes corresponding to each cause of death.

Table 5.10 Age at Death Early Neonatal Deaths, 2000

Time		Frequency	Per Cent
Completed Hours	<1	5	21.7
	1	1	4.3
	2	1	4.3
	7	1	4.3
	8	1	4.3
	10	1	4.3
	22	1	4.3
Total under 1 day		11	47.8
Days	1	3	13.0
	2	2	8.7
	3	3	13.0
	4	1	4.3
	6	1	4.3
	7	2	8.7
Total under 1 week		12	52.2
Total		23	100.0

Table 5.11
Percentage Distribution of Live Births by Infant's Length of Stay in Hospital, 2000

Multiple Births

Length of Stay (Days)	Live Births	Per Cent (%) Live Births
0-2	67	4.8
3-5	536	38.1
6-10	457	32.5
11-28	251	17.9
29 or more	92	6.5
Not Stated	3	0.2
Total	1,406	100.0

Note: There were no domiciliary multiple births. Early Neonatal Deaths are not included in this table.

Table 5.12
Percentage of Stillbirths and Early Neonatal Deaths Undergoing Post-Mortem Examinations, 2000

Post-mortem		Type of Death	
Frequency Row Per Cent Col. Per Cent	Early Neonatal Deaths	Stillbirths	Total
Post-Mortem	3	9	12
	25.00	75.00	
	13.04	45.00	27.91
No Post-Mortem	19	11	30
	63.33	36.67	
	82.61	55.00	69.77
Not Stated	1	0	1
	100.00	0.00	
	4.35	0.00	2.33
Total	23	20	43
	53.49	46.51	100.00

Note: See Appendix E for an explanation of the table format.

Multiple Births



Appendix A Copy of Part 3 of the Birth Notification Form

The following format was used for births recorded in 2000

NOTIFICATIO	N OF BIRTH -
	and Social Research Institute, 4 Burlington Road, Dublin 4
TYPE OF BIRTH 2 PLACE OF BIRTH (Hospital = 1, BBA = 2, Domiciliary = :	3) 3 NAME AND
(Live = 1, Still = 2)	ADDRESS OF
HOSPITAL CASE NO. 4 NO. 7	HOSPITAL
INFANT	MOTHER'S HEALTH
DATE OF BIRTH 15 D D M M Y Y Y Y	ANTE-NATAL CARE THIS PREGNANCY (Hospital / Obstetrician = 1, G.P. Only = 2, Combined = 3, None = 4)
IF MULTIPLE BIRTH ORDER OF BIRTH No. 23 of 24 TIME OF BIRTH	DATE OF FIRST VISIT TO DOCTOR DURING PREGNANCY 101 D D M M Y Y Y Y
	DATE OF FIRST VISIT TO HOSPITAL DURING PREGNANCY 109 D M M Y Y Y Y
SEX (Male = 1, Female = 2, Indeterminate = 3)	WAS MOTHER IMMUNE TO RUBELLA (Yes = 1, No = 2, Not Known = 3) 117
BIRTHWEIGHT 26 LLL GRAMMES	METHOD OF DELIVERY (Spontaneous = 1, Breech ± Forceps = 2,
PERIOD OF GESTATION 30 WEEKS	Forceps = 3, Vac. Extraction = 4, Caesarean Sec. = 5, Other = 6)
FATHER	MAIN MATERNAL DISEASE OR CONDITION AFFECTING FETUS OR INFANT
	119
COUNTY 32 1	OTHER MATERNAL DISEASE OR CONDITION AFFECTING FETUS OR INFANT
OCCUPATION 35 35	123
DATE OF BIRTH 37 D D M M Y Y Y Y	INFANT'S HEALTH
MOTHER	TYPE OF FEEDING (Artificial = 1, Breast = 2, Combined = 3)
	WAS BCG ADMINISTERED (Yes = 1, No = 2)
	MAIN DISEASE OR CONGENITAL MALFORMATION AFFECTING INFANT
COUNTY 45 1	OTHER DISEASES OR CONGENITAL MALFORMATIONS AFFECTING INFANT
DATE OF BIRTH 50 D M M Y Y Y Y	
MARITAL STATUS (Married = 1, Single = 2, Widowed = 3, Separated = 4, Divorced, = 5) 58	133 📗
DATE OF PRESENT MARRIAGE 59 D D M M Y Y Y Y	HOSPITAL
DATE OF LAST BIRTH (live or still) 67	WAS ADMISSION BOOKED (Yes = 1, No = 2)
NO. OF PREVIOUS LIVE BIRTHS 75	DATE OF MOTHER'S ADMISSION 138 D D M M Y Y Y Y
CHILDREN STILL LIVING 77	DATE OF MOTHER'S DISCHARGE 146 D D M M Y Y Y Y
STILL BIRTHS 79	DATE OF INFANT'S DISCHARGE
SPONTANEOUS ABORTIONS 81 L	WAS INFANT TRANSFERRED TO OTHER HOSPITAL FOR MEDICAL REASONS (Yes = 1, No = 2) 162
PERINATAL DEATH TYPE OF DEATH (Early Neonatal = 1, Stillbirth = 2) 83	IF 'YES', NAME OF HOSPITAL
WAS AUTOPSY PERFORMED (Yes = 1, No = 2) 84	
AGE OF DEATH 85 DAYS 86 HOURS	163
PLACE OF DEATH 88i _i	GENERAL PRACTITIONER ATTENDED BY MOTHER
IF STILLBIRTH, DID DEATH OCCUR BEFORE LABOUR (1) DURING LABOUR (2) NOT KNOWN (3) 91	
CAUSE OF DEATH MAIN DISEASE OR CONDITION IN FETUS OR INFANT	
OTHER DISEASES OR CONDITIONS IN FETUS OR INFANT.	
96	
SIGNATURE	DATE

The following format outlines the new format form effective January 1st 2004.

Notification of Birth - To: National Perinatal Repor	ting System, T	he Economic & Social Research Institute, 4 Burlington Rd. Dublin 4
TYPE OF BIRTH PLACE OF BIRTH (Hospital = 1, BBA (Live = 1, Still = 2)	x = 2, Domiciliary = 3)	2 NAME AND
HOSPITAL	CASE	ADDRESS OF
NO. 3	NO. 6 Y	Y Y Y HOSPITAL
INFANT'S DETAILS DATE OF BIRTH (DD/MM/YYYY) 14		MOTHER'S HEALTH
TIME OF BIRTH		ANTENATAL CARE THIS PREGNANCY (Hospital / Obstetrician = 1, G.P. Only = 2, Combined = 3, None = 4, Midwife Only=5)
IF MULTIPLE BIRTH ORDER OF BIRTH No.	22 of 23	(nospital / Oosteurcial = 1, O.r. Omy = 2, Combined = 5, None = 4, Midwite Omy=5)
140.	22 11 [23]	DATE OF FIRST VISIT TO DOCTOR DURING PREGNANCY (DDMMYYYY) 118
		DURING PREGNANCY (DDMMYYYY) 118 118
	24 🔲	DATE OF FIRST VISIT TO HOSPITAL
SEX (Male = 1, Female = 2, Indeterminate = 3) BIRTHWEIGHT 25	GRAMMES	DURING PREGNANCY (DDMMYYYY) 126 121 1 1 1
1	WEEKS	WAS MOTHER IMMUNE TO RUBELLA (Yes = 1, No = 2, Not Known = 3)
PERIOD OF GESTATION 29 L FATHER'S DETAILS	WEEKS	134
		METHOD OF DELIVERY (Spontaneous = 1, Breech ± Forceps = 2,
		Forceps = 3, Vac. Extraction = 4, Caesarean Sec. = 5, Other = 6)
		MAIN MATERNAL DISEASE OR CONDITION AFFECTING FOETUS OR INFANT
		136
		OTHER MATERNAL DISEASES OR CONDITIONS AFFECTING FOETUS OR INFANT
COUNTY	_ 31	
COUNTRY34		141
NATIONALITY 38		INFANT'S HEALTH
OCCUPATION	42	TYPE OF FEEDING (Artificial = 1, Breast = 2, Combined = 3)
DATE OF BIRTH (DDMMYYYY) 44		WAS BCG ADMINISTERED (Yes = 1, No = 2)
		MAIN DISEASE OR CONGENITAL MALFORMATION AFFECTING INFANT
MOTHER'S DETAILS		
		148
		OTHER DISEASES OR CONGENITAL MALFORMATIONS AFFECTING INFANT
		HOSPITAL WAS ADMISSION BOOKED (Yes = 1, No = 2) 158
COUNTY	52	WAS ADMISSION BOOKED (165 = 1, 140 = 2)
COUNTRY55		DATE OF MOTHER'S ADMISSION (DDMMYYYY) 159
	t	
NATIONALITY		DATE OF MOTHER'S DISCHARGE (DDMMYYYY) 167
OCCUPATION	63	
DATE OF BIRTH (DDMMYYYY) 65		DATE OF INFANT'S DISCHARGE (DDMMYYYY) 175
MADITAL STATUS (Married - 1 November 2) Wilder 1 2 Million 2 1 Mil	romed = 5) 72	WAS INFANT TRANSFERRED TO OTHER HOSPITAL FOR MEDICAL REASONS (Yes = 1, No = 2) 183
MARITAL STATUS (Married = 1, Never Married = 2, Widowed = 3, Married but Separated = 4, Di		
DATE OF PRESENT MARRIAGE (DDMMYYYY) 74		IF 'YES', NAME OF HOSPITAL
DATE OF LAST BIRTH (live or still) (DDMMYYYY) 82 82		
NO. OF PREVIOUS LIVE BIRTHS	90	
CHILDREN STILL LIVING	92	
STILLBIRTHS	94	GENERAL PRACTITIONER ATTENDED BY MOTHER
SPONTANEOUS ABORTIONS	96	
PERINATAL DEATH	98	
TYPE OF DEATH (Early Neonatal = 1, Stillbirth = 2) WAS AUTOPSY PERFORMED (Yes = 1, No = 2)	98	
• • • • • • • • • • • • • • • • • • • •	HOURS	
	1 1	
PLACE OF DEATH	103	
DURING LABOUR (2) NOT KNOWN (3)	106	
CAUSE OF DEATH MAIN DISEASE OR CONDITION IN FOETUS OR INFANT		
107		
OTHER DISEASES OR CONDITIONS IN FOETUS OR INFANT		
112		
Signature	Date	BNF01/2003

Appendix B

Classification of Occupation

Occupations have been coded and classified into a set of socio-economic groups according to a system devised by the Central Statistics Office. The final CSO Category of 'Unknown' has been differentiated into 5 distinct groups for the purposes of the Perinatal Reporting System. These are 'Unemployed', 'Not Classifiable', 'Not Applicable', 'Home Duties' and 'Not Stated'. Occupation is coded as unemployed when occupation is given as unemployed and where no previous occupation is stated. If a previous occupation is stated then occupation is coded to the relevant category. 'Not Classifiable' has been used to categorise indecipherable, unclear, or unlisted occupations where efforts to clarify the information have failed. 'Home Duties' is entered where occupation has been entered as 'full-time mother/father/parent', 'stay at home mother/father/parent', 'housewife', 'home duties' etc. 'Not Stated' applies to those cases where either the mother or the father's occupation has been left blank.

Under Father's occupation, the following applies;

'Not Applicable' is entered when the marital status of the mother has been given as single, widowed, separated or divorced and where father's occupation has been left blank. 'Not Stated' applies to those cases where the marital status of the mother is recorded as either married or not stated and where father's occupation has been left blank. In either case, if an occupation is given for the father then the appropriate occupational code has been used.

The full list of socio-economic groups used in this report is given below:

- Farmers and Farm Managers
- Other agricultural occupations and Fishermen
- Higher professional
- Lower professional
- Employers and Managers
- Salaried Employees
- Intermediate non-manual workers
- Other non-manual workers
- Skilled manual workers
- Semi- skilled manual workers
- Unskilled manual workers
- Unemployed
- Not Classifiable
- Not applicable (father's occupation only)
- Home Duties
- Not Stated

Appendix C

Cause of Death Classification

The main cause of death has been determined according to the guidelines set out by the World Health Organisation in the ninth revision of the International Classification of Diseases (ICD).⁶ Briefly, the principal coding criteria are as follows:

- The main cause of death as far as possible should indicate the pathological condition of the infant or foetus, which in the opinion of the certifier made the greatest contribution towards the death.
- 2. If heart or cardiac failure, asphyxia or anoxia (any condition in 768) or prematurity (any condition in 765) is entered as the main cause and other conditions of the infant or foetus are entered as secondary causes, then the first-mentioned of these other conditions is entered as the main cause of death.
- 3. If two or more conditions are entered as the main cause of death then the first mentioned condition is coded as if it had been mentioned alone and the second-mentioned cause is coded as the secondary condition.
- 4. If there is no entry for a main cause, then any secondary condition of the infant is coded as the main cause.
- 5. If a maternal condition is entered in the section reserved for the infant's conditions or if an infant's condition is entered in the section provided for maternal conditions then the conditions are coded as if they had been entered in the respective correct section.
- 6. If the foetus died before the onset of labour, then obstetrical complications that could not have affected the outcome are ignored as causes of death.

For the purpose of the cause of death tables included in this report, one further criterion has been applied. This is to the effect that where heart failure, asphyxia or anoxia (any condition in 768) or prematurity (any condition in 765) is coded as the main cause of death or where no infant's condition is given then, where a specific maternal condition is given, the main cause of death is classified under the maternal condition.

⁶ World Health Organisation. 1978. *Manual of the International Classification of Diseases, Injuries and Causes of Death*, 9th Revision. Vol. 1. Geneva: WHO.

In Table 5.2, which contains a detailed classification of cause of death, the corresponding ICD numbers are listed in the left hand column of that table. For the less detailed tables (i.e. Tables 5.3, 5.8, and 5.9), the ICD codes relating to each cause of death category are given below:

ICD Codes	Cause of Death
740	Ancephalus and similar anomalies
741	Spina Bifida
742	Other congenital anomalies of the nervous system
745-747	Congenital anomalies of the heart
758	Chromosomal anomalies (including Down's Syndrome)
743-744, 748-757, 759	Other congenital anomalies
760-761	Maternal conditions and complications
762	Complications of the placenta, cord and membranes
763	Other complications of labour and delivery
764-765	Slow foetal growth, foetal malnutrition, and immaturity
766	Disorders relating to long gestation and high birthweight
767	Birth trauma
768-770	Intrauterine hypoxia and birth asphyxia and other respiratory conditions of foetus or newborn
771	Infections specific to the perinatal period
772	Foetal and neonatal haemorrhage
773	Haemolytic disease of foetus or newborn, due to iso-immunisation
775	Endocrine and metabolic disturbances specific to the foetus and newborn
778	Conditions involving the integument and temperature regulation of foetus and newborn
779.9	Maceration
780-799	Symptoms, signs and ill-defined conditions

All other codes have been classified to the category 'all other causes'. Where no cause has been given, perinatal deaths are categorised as 'cause not stated'.

Appendix D

Classification of County of Residence

The following codes are applied to mother and father's county of residence. Where a Dublin postal code, such as Dublin 13, is entered then a code of 10 is applied for Dublin city. Where there is no postal code and Dublin is recorded then a code of 11 is applied for Dublin County. Where county of residence is recorded as Tipperary and North or South Riding is not specified, then the assignment of the code is based on the Health Board in which the birth occurred. For births occurring in the South-Eastern or Southern Health Boards where Tipperary is recorded as county of residence then a code of 62, Tipperary South Riding is applied. For births occurring in other Health Boards where Tipperary is recorded as county of residence then a code of 32, Tipperary North Riding is applied. Where a mother or father's county of residence is unknown the code 99 is applied. The code 90 is applied where the address given is outside the Republic of Ireland.

- 10 Dublin city
- 11 Dublin county
- 12 Kildare
- 13 Wicklow
- 20 Laois
- 21 Offaly
- 22 Longford
- 23 Westmeath
- 30 Clare
- 31 Limerick
- 32 Tipperary North Riding
- 40 Meath
- 41 Cavan
- 42 Monaghan
- 43 Louth
- 50 Donegal
- 51 Sligo
- 52 Leitrim
- 60 Carlow
- 61 Kilkenny
- 62 Tipperary South Riding
- 63 Waterford
- 64 Wexford
- 70 Cork
- 71 Kerry
- 80 Galway
- 81 Mayo
- 82 Roscommon
- 90 Other all other places outside Republic of Ireland
- 99 Not Stated

Appendix E

Cross-Tabulations of Selected Variables: 2000

This appendix contains a range of cross-tabulations relating to live and still singleton births. A full list of these tables is given in the Table of Contents. The format of each cross-tabulation is identical. The values of the two variables are given along the top and left. The top number in each cell indicates the number of observations relating to that combination of variable values. The second number indicates the percentage contribution of that cell to the total for the whole row. The last number indicates the percentage contribution of that cell to the total for the whole column. The figures at the end of each row or column give the overall total for that row or column, and the associated percentages express each of these figures as a percentage of the grand total.

Table E1
Age of Mother by Maternal Parity, Live Births and Stillbirths, 2000

Age of Mother					Materr	al Parity				
Frequency Row Per Cent Col. Per Cent	0	1	2	3	4	5	6	More than	Not Stated	Total
Under 15	12	0	0	0	0	0	0	0	0	12
	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
15-19	2,828	259	29	0	0	0	0	0	1	3,117
	90.73	8.31	0.93	0.00	0.00	0.00	0.00	0.00	0.03	
	12.84	1.61	0.31	0.00	0.00	0.00	0.00	0.00	14.29	5.80
20-24	5,108	2,072	569	128	37	5	3	0	1	7,923
	64.47	26.15	7.18	1.62	0.47	0.06	0.04	0.00	0.01	
	23.20	12.88	6.18	3.28	2.58	0.90	1.21	0.00	14.29	14.75
25-29	6,318	4,348	1,768	639	206	60	22	11	1	13,373
	47.24	32.51	13.22	4.78	1.54	0.45	0.16	0.08	0.01	
	28.70	27.03	19.19	16.37	14.35	10.81	8.87	4.40	14.29	24.90
30-34	5,728	6,221	3,620	1,322	447	161	67	55	0	17,621
	32.51	35.30	20.54	7.50	2.54	0.91	0.38	0.31	0.00	
	26.02	38.67	39.29	33.87	31.13	29.01	27.02	22.00	0.00	32.80
35-39	1,739	2,800	2,809	1,503	546	220	109	108	3	9,837
	17.68	28.46	28.56	15.28	5.55	2.24	1.11	1.10	0.03	
	7.90	17.41	30.49	38.51	38.02	39.64	43.95	43.20	42.86	18.31
40-44	267	374	404	296	191	102	43	67	0	1,744
	15.31	21.44	23.17	16.97	10.95	5.85	2.47	3.84	0.00	
	1.21	2.32	4.38	7.58	13.30	18.38	17.34	26.80	0.00	3.25
45 and over	12	7	8	15	7	6	4	9	0	68
	17.65	10.29	11.76	22.06	10.29	8.82	5.88	13.24	0.00	
	0.05	0.04	0.09	0.38	0.49	1.08	1.61	3.60	0.00	0.13
Not Stated	5	6	7	0	2	1	0	0	1	22
	22.73	27.27	31.82	0.00	9.09	4.55	0.00	0.00	4.55	
	0.02	0.04	0.08	0.00	0.14	0.18	0.00	0.00	14.29	0.04
Total	22,017	16,087	9,214	3,903	1,436	555	248	250	7	53,717
	40.99	29.95	17.15	7.27	2.67	1.03	0.46	0.47	0.01	100.00

Table E2 Method of Delivery by Maternal Parity, Live Births and Stillbirths, 2000

Method of Delivery		Maternal Parity									
Frequency Row Per Cent Col. Per Cent	0	1	2	3	4	5	6	More than	Not Stated	Total	
Spontaneous	11,100	11,396	7,112	3,088	1,153	449	202	187	3	34,690	
	32.00	32.85	20.50	8.90	3.32	1.29	0.58	0.54	0.01		
	50.42	70.84	77.19	79.12	80.29	80.90	81.45	74.80	42.86	64.58	
Breech/Forceps	109	56	39	10	7	3	2	3	0	229	
	47.60	24.45	17.03	4.37	3.06	1.31	0.87	1.31	0.00		
	0.50	0.35	0.42	0.26	0.49	0.54	0.81	1.20	0.00	0.43	
Forceps	1,656	260	79	22	5	4	0	0	0	2,026	
	81.74	12.83	3.90	1.09	0.25	0.20	0.00	0.00	0.00		
	7.52	1.62	0.86	0.56	0.35	0.72	0.00	0.00	0.00	3.77	
Vacuum	3,929	1,089	386	136	49	10	5	6	1	5,611	
Extraction	70.02	19.41	6.88	2.42	0.87	0.18	0.09	0.11	0.02		
	17.85	6.77	4.19	3.48	3.41	1.80	2.02	2.40	14.29	10.45	
Caesarean	5,161	3,240	1,571	639	220	89	35	53	1	11,009	
	46.88	29.43	14.27	5.80	2.00	0.81	0.32	0.48	0.01		
	23.44	20.14	17.05	16.37	15.32	16.04	14.11	21.20	14.29	20.49	
Other specified	61	43	27	7	1	0	4	1	0	144	
& Combined	42.36	29.86	18.75	4.86	0.69	0.00	2.78	0.69	0.00		
	0.28	0.27	0.29	0.18	0.07	0.00	1.61	0.40	0.00	0.27	
Not Stated	1	3	0	1	1	0	0	0	2	8	
	12.50	37.50	0.00	12.50	12.50	0.00	0.00	0.00	25.00		
	0.00	0.02	0.00	0.03	0.07	0.00	0.00	0.00	28.57	0.01	
Total	22,017	16,087	9,214	3,903	1,436	555	248	250	7	53,717	
	40.99	29.95	17.15	7.27	2.67	1.03	0.46	0.47	0.01	100.00	

Table E3
Marital Status by Age of Mother, Live Births and Stillbirths, 2000

Marital Status		Age of Mother									
Frequency Row Per Cent Col. Per Cent	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and over	Not Stated	Total	
Married	0	171	1,674	9,031	15,283	8,702	1,504	60	15	36,440	
	0.00	0.47	4.59	24.78	41.94	23.88	4.13	0.16	0.04		
	0.00	5.49	21.13	67.53	86.73	88.46	86.24	88.24	68.18	67.84	
Single	12	2,945	6,212	4,195	1,978	749	127	3	6	16,227	
	0.07	18.15	38.28	25.85	12.19	4.62	0.78	0.02	0.04		
	100.00	94.48	78.40	31.37	11.23	7.61	7.28	4.41	27.27	30.21	
Widowed	0	0	2	6	23	28	13	0	0	72	
	0.00	0.00	2.78	8.33	31.94	38.89	18.06	0.00	0.00		
	0.00	0.00	0.03	0.04	0.13	0.28	0.75	0.00	0.00	0.13	
Separated	0	1	32	122	298	288	77	5	1	824	
	0.00	0.12	3.88	14.81	36.17	34.95	9.34	0.61	0.12		
	0.00	0.03	0.40	0.91	1.69	2.93	4.42	7.35	4.55	1.53	
Divorced	0	0	3	14	38	69	23	0	0	147	
	0.00	0.00	2.04	9.52	25.85	46.94	15.65	0.00	0.00		
	0.00	0.00	0.04	0.10	0.22	0.70	1.32	0.00	0.00	0.27	
Not Stated	0	0	0	5	1	1	0	0	0	7	
	0.00	0.00	0.00	71.43	14.29	14.29	0.00	0.00	0.00		
	0.00	0.00	0.00	0.04	0.01	0.01	0.00	0.00	0.00	0.01	
Total	12	3,117	7,923	13,373	17,621	9,837	1,744	68	22	53,717	
	0.02	5.80	14.75	24.90	32.80	18.31	3.25	0.13	0.04	100.00	

Table E4
Marital Status by Age of Father, Live Births and Stillbirths, 2000

Marital Status		Age of Father								
Frequency Row Per Cent Col. Per Cent	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and over	Not Stated	Total
Married	1	39	495	4,552	11,467	8,459	2,824	786	7,817	36,440
	0.00	0.11	1.36	12.49	31.47	23.21	7.75	2.16	21.45	
	50.00	22.81	49.45	89.13	96.96	97.23	96.51	93.68	33.78	67.84
Single	1	132	497	529	319	199	75	43	14,432	16,227
	0.01	0.81	3.06	3.26	1.97	1.23	0.46	0.26	88.94	
	50.00	77.19	49.65	10.36	2.70	2.29	2.56	5.13	62.36	30.21
Widowed	0	0	2	0	3	1	3	2	61	72
	0.00	0.00	2.78	0.00	4.17	1.39	4.17	2.78	84.72	
	0.00	0.00	0.20	0.00	0.03	0.01	0.10	0.24	0.26	0.13
Separated	0	0	7	20	29	37	17	4	710	824
	0.00	0.00	0.85	2.43	3.52	4.49	2.06	0.49	86.17	
	0.00	0.00	0.70	0.39	0.25	0.43	0.58	0.48	3.07	1.53
Divorced	0	0	0	6	9	4	7	4	117	147
	0.00	0.00	0.00	4.08	6.12	2.72	4.76	2.72	79.59	
	0.00	0.00	0.00	0.12	0.08	0.05	0.24	0.48	0.51	0.27
Not Stated	0	0	0	0	0	0	0	0	7	7
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01
Total	2	171	1,001	5,107	11,827	8,700	2,926	839	23,144	53,717
	0.00	0.32	1.86	9.51	22.02	16.20	5.45	1.56	43.09	100.00

Table E5
Gestation Period at Delivery by Maternal Parity, Live Births and Stillbirths, 2000

Gestation Period (weeks)					Matern	nal Parity				
Frequency Row Per Cent Col. Per Cent	0	1	2	3	4	5	6	More than	Not Stated	Total
Less than 22	2	1	1	1	0	0	0	0	0	5
	40.00	20.00	20.00	20.00	0.00	0.00	0.00	0.00	0.00	
	0.01	0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.01
22-27	86	47	23	9	4	3	0	0	0	172
	50.00	27.33	13.37	5.23	2.33	1.74	0.00	0.00	0.00	
	0.39	0.29	0.25	0.23	0.28	0.54	0.00	0.00	0.00	0.32
28-31	159	65	32	15	7	6	1	1	0	286
	55.59	22.73	11.19	5.24	2.45	2.10	0.35	0.35	0.00	
	0.72	0.40	0.35	0.38	0.49	1.08	0.40	0.40	0.00	0.53
32-36	970	517	285	153	81	29	9	16	1	2,061
	47.06	25.08	13.83	7.42	3.93	1.41	0.44	0.78	0.05	
	4.41	3.21	3.09	3.92	5.64	5.23	3.63	6.40	14.29	3.84
37-41	19,063	14,653	8,454	3,527	1,272	498	223	215	4	47,909
	39.79	30.59	17.65	7.36	2.66	1.04	0.47	0.45	0.01	
	86.58	91.09	91.75	90.37	88.58	89.73	89.92	86.00	57.14	89.19
42 and over	1,716	800	415	190	71	18	15	17	0	3,242
	52.93	24.68	12.80	5.86	2.19	0.56	0.46	0.52	0.00	
	7.79	4.97	4.50	4.87	4.94	3.24	6.05	6.80	0.00	6.04
Not Stated	21	4	4	8	1	1	0	1	2	42
	50.00	9.52	9.52	19.05	2.38	2.38	0.00	2.38	4.76	
	0.10	0.02	0.04	0.20	0.07	0.18	0.00	0.40	28.57	0.08
Total	22,017	16,087	9,214	3,903	1,436	555	248	250	7	53,717
	40.99	29.95	17.15	7.27	2.67	1.03	0.46	0.47	0.01	100.00

Table E6
Age of Mother by Gestation Period at Delivery, Live Births and Stillbirths, 2000

Age of Mother				Gestation Pe	eriod (weeks)			
Frequency Row Per Cent Col. Per Cent	Less than 22	22-27	28-31	32-36	37-41	42 and over	Not Stated	Total
Under 15	0	0	0	1	11	0	0	12
	0.00	0.00	0.00	8.33	91.67	0.00	0.00	
	0.00	0.00	0.00	0.05	0.02	0.00	0.00	0.02
15-19	1	21	36	193	2,634	226	6	3,117
	0.03	0.67	1.15	6.19	84.50	7.25	0.19	
	20.00	12.21	12.59	9.36	5.50	6.97	14.29	5.80
20-24	0	30	56	332	6,909	589	7	7,923
	0.00	0.38	0.71	4.19	87.20	7.43	0.09	
	0.00	17.44	19.58	16.11	14.42	18.17	16.67	14.75
25-29	2	37	65	493	11,823	946	7	13,373
	0.01	0.28	0.49	3.69	88.41	7.07	0.05	
	40.00	21.51	22.73	23.92	24.68	29.18	16.67	24.90
30-34	1	52	73	605	15,902	975	13	17,621
	0.01	0.30	0.41	3.43	90.24	5.53	0.07	
	20.00	30.23	25.52	29.35	33.19	30.07	30.95	32.80
35-39	0	25	44	335	8,988	439	6	9,837
	0.00	0.25	0.45	3.41	91.37	4.46	0.06	
	0.00	14.53	15.38	16.25	18.76	13.54	14.29	18.31
40-44	1	6	11	93	1,568	63	2	1,744
	0.06	0.34	0.63	5.33	89.91	3.61	0.11	
	20.00	3.49	3.85	4.51	3.27	1.94	4.76	3.25
45 and over	0	1	0	8	55	4	0	68
	0.00	1.47	0.00	11.76	80.88	5.88	0.00	
	0.00	0.58	0.00	0.39	0.11	0.12	0.00	0.13
Not Stated	0	0	1	1	19	0	1	22
	0.00	0.00	4.55	4.55	86.36	0.00	4.55	
	0.00	0.00	0.35	0.05	0.04	0.00	2.38	0.04
Total	5	172	286	2,061	47,909	3,242	42	53,717
	0.01	0.32	0.53	3.84	89.19	6.04	0.08	100.00

Table E7
Method of Delivery by Age of Mother, Live Births and Stillbirths, 2000

Method of Delivery		Age of Mother								
Frequency Row Per Cent Col. Per Cent	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and over	Not Stated	Total
Spontaneous	7	2,181	5,531	8,625	11,036	6,254	1,003	36	17	34,690
	0.02	6.29	15.94	24.86	31.81	18.03	2.89	0.10	0.05	
	58.33	69.97	69.81	64.50	62.63	63.58	57.51	52.94	77.27	64.58
Breech/Forceps	0	15	34	54	79	38	9	0	0	229
	0.00	6.55	14.85	23.58	34.50	16.59	3.93	0.00	0.00	
	0.00	0.48	0.43	0.40	0.45	0.39	0.52	0.00	0.00	0.43
Forceps	0	129	306	578	677	290	44	2	0	2,026
	0.00	6.37	15.10	28.53	33.42	14.31	2.17	0.10	0.00	
	0.00	4.14	3.86	4.32	3.84	2.95	2.52	2.94	0.00	3.77
Vacuum	2	365	854	1,540	1,841	853	149	4	3	5,611
Extraction	0.04	6.51	15.22	27.45	32.81	15.20	2.66	0.07	0.05	
	16.67	11.71	10.78	11.52	10.45	8.67	8.54	5.88	13.64	10.45
Caesarean	3	419	1,180	2,545	3,934	2,367	533	26	2	11,009
	0.03	3.81	10.72	23.12	35.73	21.50	4.84	0.24	0.02	
	25.00	13.44	14.89	19.03	22.33	24.06	30.56	38.24	9.09	20.49
Other specified	0	7	17	28	53	33	6	0	0	144
& Combined	0.00	4.86	11.81	19.44	36.81	22.92	4.17	0.00	0.00	
	0.00	0.22	0.21	0.21	0.30	0.34	0.34	0.00	0.00	0.27
Not Stated	0	1	1	3	1	2	0	0	0	8
	0.00	12.50	12.50	37.50	12.50	25.00	0.00	0.00	0.00	
	0.00	0.03	0.01	0.02	0.01	0.02	0.00	0.00	0.00	0.01
Total	12	3,117	7,923	13,373	17,621	9,837	1,744	68	22	53,717
	0.02	5.80	14.75	24.90	32.80	18.31	3.25	0.13	0.04	100.00

Table E8
Birthweight by Gestation Period at Delivery, Live Births and Stillbirths, 2000

Birthweight (grams)				Gestation Pe	eriod (weeks)			
Frequency Row Per Cent								
Col. Per Cent	Less than 22	22-27	28-31	32-36	37-41	42 and over	Not Stated	Total
500-749	5	73	14	3	1	0	0	96
	5.21	76.04	14.58	3.13	1.04	0.00	0.00	
	100.00	42.44	4.90	0.15	0.00	0.00	0.00	0.18
750-999	0	63	34	8	0	0	0	105
	0.00	60.00	32.38	7.62	0.00	0.00	0.00	
	0.00	36.63	11.89	0.39	0.00	0.00	0.00	0.20
1000-1249	0	24	64	30	2	0	0	120
	0.00	20.00	53.33	25.00	1.67	0.00	0.00	
	0.00	13.95	22.38	1.46	0.00	0.00	0.00	0.22
1250-1499	0	8	64	57	3	0	0	132
	0.00	6.06	48.48	43.18	2.27	0.00	0.00	
	0.00	4.65	22.38	2.77	0.01	0.00	0.00	0.25
1500-1999	0	3	79	277	52	0	0	411
	0.00	0.73	19.22	67.40	12.65	0.00	0.00	
	0.00	1.74	27.62	13.44	0.11	0.00	0.00	0.77
2000-2499	0	0	15	575	754	12	1	1,357
	0.00	0.00	1.11	42.37	55.56	0.88	0.07	
	0.00	0.00	5.24	27.90	1.57	0.37	2.38	2.53
2500-2999	0	0	6	676	4,877	108	7	5,674
	0.00	0.00	0.11	11.91	85.95	1.90	0.12	
	0.00	0.00	2.10	32.80	10.18	3.33	16.67	10.56
3000-3499	0	0	2	318	15,925	726	14	16,985
	0.00	0.00	0.01	1.87	93.76	4.27	0.08	
	0.00	0.00	0.70	15.43	33.24	22.39	33.33	31.62
3500-3999	0	0	6	91	17,660	1,343	15	19,115
	0.00	0.00	0.03	0.48	92.39	7.03	0.08	
	0.00	0.00	2.10	4.42	36.86	41.43	35.71	35.58
4000-4499	0	0	1	21	7,127	819	2	7,970
	0.00	0.00	0.01	0.26	89.42	10.28	0.03	
	0.00	0.00	0.35	1.02	14.88	25.26	4.76	14.84
4500 gms. and over	0	0	0	3	1,503	234	3	1,743
	0.00	0.00	0.00	0.17	86.23	13.43	0.17	
	0.00	0.00	0.00	0.15	3.14	7.22	7.14	3.24
Not Stated	0	1	1	2	5	0	0	9
	0.00	11.11	11.11	22.22	55.56	0.00	0.00	
	0.00	0.58	0.35	0.10	0.01	0.00	0.00	0.02
Total	5	172	286	2,061	47,909	3,242	42	53,717
	0.01	0.32	0.53	3.84	89.19	6.04	0.08	100.00

Table E9
Method of Delivery by Mother's Length of Stay in Hospital after Delivery, 2000

Method of Delivery		Postnatal Length of Stay									
Frequency Row Per Cent Col. Per Cent	0-1 Days	2 Days	3-5 Days	6-8 Days	9-11 Days	12-14 Days	2 weeks or more	Not Stated	Total		
Spontaneous	2,973	10,281	20,398	688	61	19	30	30	34,480		
	8.62	29.82	59.16	2.00	0.18	0.06	0.09	0.09			
	91.14	87.59	61.70	14.53	12.42	19.39	35.71	96.77	64.45		
Breech/Forceps	38	51	130	9	1	0	0	0	229		
	16.59	22.27	56.77	3.93	0.44	0.00	0.00	0.00			
	1.16	0.43	0.39	0.19	0.20	0.00	0.00	0.00	0.43		
Forceps	50	291	1,527	133	16	4	5	0	2,026		
	2.47	14.36	75.37	6.56	0.79	0.20	0.25	0.00			
	1.53	2.48	4.62	2.81	3.26	4.08	5.95	0.00	3.79		
Vac. Extraction	155	999	4,206	211	31	3	6	0	5,611		
	2.76	17.80	74.96	3.76	0.55	0.05	0.11	0.00			
	4.75	8.51	12.72	4.46	6.31	3.06	7.14	0.00	10.49		
Caesarean	39	101	6,741	3,637	377	71	43	0	11,009		
	0.35	0.92	61.23	33.04	3.42	0.64	0.39	0.00			
	1.20	0.86	20.39	76.81	76.78	72.45	51.19	0.00	20.58		
Other specified	7	15	59	57	5	1	0	0	144		
& Combined	4.86	10.42	40.97	39.58	3.47	0.69	0.00	0.00			
	0.21	0.13	0.18	1.20	1.02	1.02	0.00	0.00	0.27		
Not Stated	0	0	1	0	0	0	0	1	2		
	0.00	0.00	50.00	0.00	0.00	0.00	0.00	50.00			
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	0.00		
Total	3,262	11,738	33,062	4,735	491	98	84	31	53,501		
	6.10	21.94	61.80	8.85	0.92	0.18	0.16	0.06	100.00		

Note:

⁻ Domiciliary births, of which there were 216, are exlcuded from this table. See Appendix G for detailed analysis.

^{- &#}x27;Not Stated' under postnatal length of stay includes 27 births where place of birth was recorded as domiciliary but birth was registered by a hospital. Mother was not admitted under a planned community midwife scheme therefore dates of mother's length of stay were not applicable.

Table E10 Maternal Parity by Mother's Length of Stay in Hospital after Delivery, 2000

Maternal Parity				Postr	natal Length o	of Stay			
Frequency Row Per Cent							2 weeks		
Col. Per Cent	0-1 Days	2 Days	3-5 Days	6-8 Days	9-11 Days	12-14 Days	or more	Not Stated	Total
0	497	2,638	15,869	2,598	275	59	43	8	21,987
	2.26	12.00	72.17	11.82	1.25	0.27	0.20	0.04	
	15.24	22.47	48.00	54.87	56.01	60.20	51.19	25.81	41.10
1	1,192	4,478	9,018	1,149	118	21	19	14	16,009
	7.45	27.97	56.33	7.18	0.74	0.13	0.12	0.09	
	36.54	38.15	27.28	24.27	24.03	21.43	22.62	45.16	29.92
2	805	2,728	4,936	594	57	9	13	6	9,148
	8.80	29.82	53.96	6.49	0.62	0.10	0.14	0.07	
	24.68	23.24	14.93	12.54	11.61	9.18	15.48	19.35	17.10
3	434	1,168	1,991	248	22	4	6	1	3,874
	11.20	30.15	51.39	6.40	0.57	0.10	0.15	0.03	
	13.30	9.95	6.02	5.24	4.48	4.08	7.14	3.23	7.24
4	178	414	737	84	9	3	2	2	1,429
	12.46	28.97	51.57	5.88	0.63	0.21	0.14	0.14	
	5.46	3.53	2.23	1.77	1.83	3.06	2.38	6.45	2.67
5	77	155	285	29	4	1	1	0	552
	13.95	28.08	51.63	5.25	0.72	0.18	0.18	0.00	
	2.36	1.32	0.86	0.61	0.81	1.02	1.19	0.00	1.03
6	36	85	111	12	3	0	0	0	247
	14.57	34.41	44.94	4.86	1.21	0.00	0.00	0.00	
	1.10	0.72	0.34	0.25	0.61	0.00	0.00	0.00	0.46
More than 6	43	71	111	21	3	1	0	0	250
	17.20	28.40	44.40	8.40	1.20	0.40	0.00	0.00	
	1.32	0.60	0.34	0.44	0.61	1.02	0.00	0.00	0.47
Not Stated	0	1	4	0	0	0	0	0	5
	0.00	20.00	80.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Total	3,262	11,738	33,062	4,735	491	98	84	31	53,501
	6.10	21.94	61.80	8.85	0.92	0.18	0.16	0.06	100.00

Note:

⁻ Domiciliary births, of which there were 216, are exlcuded from this table. See Appendix G for detailed analysis.

^{- &#}x27;Not Stated' under Postnatal Length of Stay includes 27 births where place of birth was recorded as domiciliary but birth was registered by a hospital. Mother was not admitted under a planned community midwife scheme therefore dates of mother's length of stay were not applicable.

Table E11

Marital Status by Gestation Period at Time of First Visit to Doctor or Hospital during Pregnancy, Live Births and Stillbirths, 2000

Marital Status	Gestational Age at First Visit (weeks)								
Frequency Row Per Cent Col. Per Cent	0-12	13-19	20 and over	Not Stated	Total				
Married	8,730	15,019	10,833	1,858	36,440				
	23.96	41.22	29.73	5.10					
	73.51	69.56	60.09	83.66	67.84				
Single	2,947	6,189	6,763	328	16,227				
	18.16	38.14	41.68	2.02					
	24.81	28.66	37.51	14.77	30.21				
Widowed	13	26	30	3	72				
	18.06	36.11	41.67	4.17					
	0.11	0.12	0.17	0.14	0.13				
Separated	151	308	344	21	824				
	18.33	37.38	41.75	2.55					
	1.27	1.43	1.91	0.95	1.53				
Divorced	35	50	55	7	147				
	23.81	34.01	37.41	4.76					
	0.29	0.23	0.31	0.32	0.27				
Not Stated	0	0	3	4	7				
	0.00	0.00	42.86	57.14					
	0.00	0.00	0.02	0.18	0.01				
Total	11,876	21,592	18,028	2,221	53,717				
	22.11	40.20	33.56	4.13	100.00				

Table E12
Interval in Years since Last Birth by Gestation Period at Time of First Visit to Doctor or Hospital during Pregnancy, Live Births and Stillbirths, 2000

Interval		Gestation	nal Age at First Vis	it (weeks)	
Frequency Row Per Cent Col. Per Cent	0-12	13-19	20 and over	Not Stated	Total
No Previous Births	5,411	8,759	6,977	870	22,017
	24.58	39.78	31.69	3.95	
	45.56	40.57	38.70	39.17	40.99
1 year or less	71	157	219	28	475
	14.95	33.05	46.11	5.89	
	0.60	0.73	1.21	1.26	0.88
>1 year to 2 years	1,266	2,851	2,823	367	7,307
	17.33	39.02	38.63	5.02	
	10.66	13.20	15.66	16.52	13.60
>2 years to 3 years	1,685	3,427	2,639	351	8,102
	20.80	42.30	32.57	4.33	
	14.19	15.87	14.64	15.80	15.08
>3 years to 4 years	1,176	2,198	1,732	201	5,307
	22.16	41.42	32.64	3.79	
	9.90	10.18	9.61	9.05	9.88
>4 years to 5 years	712	1,264	1,066	108	3,150
	22.60	40.13	33.84	3.43	
	6.00	5.85	5.91	4.86	5.86
>5 years to 6 years	460	835	678	63	2,036
	22.59	41.01	33.30	3.09	
	3.87	3.87	3.76	2.84	3.79
More than 6 years	1,051	1,986	1,728	150	4,915
	21.38	40.41	35.16	3.05	
	8.85	9.20	9.59	6.75	9.15
Not Stated	44	115	166	83	408
	10.78	28.19	40.69	20.34	
	0.37	0.53	0.92	3.74	0.76
Total	11,876	21,592	18,028	2,221	53,717
	22.11	40.20	33.56	4.13	100.00

Table E13
Father's Occupation by Infant's Birthweight, Live Births and Stillbirths, 2000

Father's Occupation		Birthweight (grams)											
Frequency													
Row Per Cent Col. Per Cent	500- 749	750- 999	1000- 1249	1250- 1499	1500- 1999	2000- 2499	2500- 2999	3000- 3499	3500- 3999	4000- 4499	4500 and over	Not Stated	Total
Farmers & Farm	4	4	3	3	9	43	210	777	1,093	526	139	0	2,811
Managers	0.14	0.14	0.11	0.11	0.32	1.53	7.47	27.64	38.88	18.71	4.94	0.00	
	4.17	3.81	2.50	2.27	2.19	3.17	3.70	4.57	5.72	6.60	7.97	0.00	5.23
Other Agricultural	1	0	1	0	4	7	65	171	193	70	18	0	530
Occupations	0.19	0.00	0.19	0.00	0.75	1.32	12.26	32.26	36.42	13.21	3.40	0.00	
& Fishermen	1.04	0.00	0.83	0.00	0.97	0.52	1.15	1.01	1.01	0.88	1.03	0.00	0.99
Higher-	8	2	11	5	15	58	262	1,000	1,327	544	147	0	3,379
Professional	0.24	0.06	0.33	0.15	0.44	1.72	7.75	29.59	39.27	16.10	4.35	0.00	
	8.33	1.90	9.17	3.79	3.65	4.27	4.62	5.89	6.94	6.83	8.43	0.00	6.29
Lower-	7	4	2	2	12	36	159	580	766	349	78	0	1,995
Professional	0.35	0.20	0.10	0.10	0.60	1.80	7.97	29.07	38.40	17.49	3.91	0.00	
	7.29	3.81	1.67	1.52	2.92	2.65	2.80	3.41	4.01	4.38	4.48	0.00	3.71
Managers	4	7	9	9	23	71	374	1,299	1,707	768	190	0	4,461
	0.09	0.16	0.20	0.20	0.52	1.59	8.38	29.12	38.26	17.22	4.26	0.00	
	4.17	6.67	7.50	6.82	5.60	5.23	6.59	7.65	8.93	9.64	10.90	0.00	8.30
Salaried-	1	1	3	3	9	25	111	392	503	210	45	0	1,303
Employees	0.08	0.08	0.23	0.23	0.69	1.92	8.52	30.08	38.60	16.12	3.45	0.00	
	1.04	0.95	2.50	2.27	2.19	1.84	1.96	2.31	2.63	2.63	2.58	0.00	2.43
Non-Manual	4	4	10	11	23	99	407	1,290	1,708	763	165	0	4,484
Workers	0.09	0.09	0.22	0.25	0.51	2.21	9.08	28.77	38.09	17.02	3.68	0.00	
O.I. N	4.17	3.81	8.33	8.33	5.60	7.30	7.17	7.59	8.94	9.57	9.47	0.00	8.35
Other Non-	6	7	9	8	26	103	436	1,356	1,525	659	140	0	4,275
Manual Workers	0.14 6.25	0.16 6.67	0.21	0.19	0.61 6.33	2.41	10.20	31.72	35.67	15.42	3.27	0.00	7.00
			7.50	6.06		7.59	7.68	7.98	7.98	8.27	8.03		7.96
Skilled Manual Workers	14 0.15	16 0.17	20 0.21	21 0.22	68 0.71	221 2.30	862 8.97	2,926 30.45	3,526 36.69	1,579 16.43	355 3.69	0.01	9,609
vvorkers	14.58	15.24	16.67	15.91	16.55	16.29	15.19	17.23	18.45	19.81	20.37	11.11	17.89
Semiskilled	14.56	15.24	10.07	15.91	16.55	61	267	885	953	395	20.37	0	2,694
Manual	0.19	0.22	0.33	0.19	0.52	2.26	9.91	32.85	35.37	14.66	3.49	0.00	2,094
Workers	5.21	5.71	7.50	3.79	3.41	4.50	4.71	5.21	4.99	4.96	5.39	0.00	5.02
Unskilled	3.21	0	7.50	2.79	3.41	19	77	183	175	83	23	0.00	574
Manual	0.52	0.00	0.17	0.35	1.39	3.31	13.41		30.49	14.46	4.01	0.00	3/4
Workers	3.13	0.00	0.83	1.52	1.95	1.40	1.36	1.08	0.92	1.04	1.32	0.00	1.07
Unemployed	1	1	1	7	14	45	190	486	386	154	30	2	1,317
Oriempioyeu	0.08	0.08	0.08	0.53	1.06	3.42	14.43	36.90	29.31	11.69	2.28	0.15	1,517
	1.04	0.95	0.83	5.30	3.41	3.32	3.35	2.86	2.02	1.93	1.72	22.22	2.45
Not	1	3	1	3	7	17	39	135	123	41	14	0	384
Classifiable ¹	0.26	0.78	0.26	0.78	1.82	4.43	10.16	35.16	32.03	10.68	3.65	0.00	50.
<u> </u>	1.04	2.86	0.83	2.27	1.70	1.25	0.69	0.79	0.64	0.51	0.80	0.00	0.71
Not Applicable	36	44	36	46	172	527	2,145	5,293	4,898	1,745	287		15,232
1, 33.3.3	0.24	0.29	0.24	0.30	1.13	3.46	14.08	34.75	32.16	11.46	1.88	0.02	
	37.50	41.90	30.00	34.85	41.85	38.84	37.80	31.16	25.62	21.89	16.47	33.33	28.36
Not Stated	1	6	4	7	7	25	70	212	232	84	18	3	669
	0.15	0.90	0.60	1.05	1.05	3.74	10.46	31.69	34.68	12.56	2.69	0.45	
	1.04	5.71	3.33	5.30	1.70	1.84	1.23	1.25	1.21	1.05	1.03	33.33	1.25
Total	96	105	120	132	411	1,357	5,674	16,985	19,115	7,970	1,743		53,717
	0.18	0.20	0.22	0.25	0.77	2.53	10.56	31.62	35.58	14.84	3.24		100.00

¹ In this table 'Not Classifiable' includes 49 Fathers whose occupation was recorded as 'Home Duties'.

Table E14 Mother's Occupation by Infant's Birthweight, Live Births and Stillbirths, 2000

Mother's Occupation						Birth	weight (g	ırams)					
Frequency Row Per Cent Col. Per Cent	500- 749	750- 999	1000- 1249	1250- 1499	1500- 1999	2000- 2499	2500- 2999	3000- 3499	3500- 3999	4000- 4499	4500 and over	Not Stated	Total
Farmers & Farm	0	0	0	0	0	2	8	35	43	10	8	0	106
Managers	0.00	0.00	0.00	0.00	0.00	1.89	7.55	33.02	40.57	9.43	7.55	0.00	
	0.00	0.00	0.00	0.00	0.00	0.15	0.14	0.21	0.22	0.13	0.46	0.00	0.20
Other Agricultural	1	0	0	0	0	4	4	14	19	7	1	0	50
Occupations	2.00	0.00	0.00	0.00	0.00	8.00	8.00	28.00	38.00	14.00	2.00	0.00	
& Fishermen	1.04	0.00	0.00	0.00	0.00	0.29	0.07	0.08	0.10	0.09	0.06	0.00	0.09
Higher-	4	1	5	5	12	26	168	596	807	311	76	0	2,011
Professional	0.20	0.05	0.25	0.25	0.60	1.29	8.35	29.64	40.13	15.46	3.78	0.00	274
1	4.17	0.95	4.17	3.79	2.92	1.92	2.96	3.51	4.22	3.90	4.36	0.00	3.74
Lower-	11	7	9	16	36	121	483	1,760	2,446	1,141	224	0	6,254
Professional	0.18	0.11	0.14	0.26	0.58	1.93	7.72	28.14	39.11	18.24	3.58	0.00	11.64
Managara	11.46	6.67	7.50 7	12.12	8.76	8.92	8.51	10.36	12.80	14.32	12.85	0.00	
Managers	6 0.26	4 0.17	0.30	4 0.17	17 0.73	46 1.98	202 8.67	750 32.20	842 36.15	376 16.14	75 3.22	0.00	2,329
	6.25	3.81	5.83	3.03	4.14	3.39	3.56	4.42	4.40	4.72	4.30	0.00	4.34
Salaried-	1	3.01	3.63 1	3.03	7	3.33	67	212	279	101	4.30	0.00	707
Employees	0.14	0.42	0.14	0.14	0.99	1.56	9.48	29.99	39.46	14.29	3.39	0.00	707
Litipioyees	1.04	2.86	0.14	0.14	1.70	0.81	1.18	1.25	1.46	1.27	1.38	0.00	1.32
Non-Manual	17	28	28	24	81	275	1,241	4,223	4,901	2,055	455	0.00	13,328
Workers	0.13	0.21	0.21	0.18	0.61	2.06	9.31	31.69	36.77	15.42	3.41	0.00	13,320
Violicis	17.71	26.67	23.33	18.18	19.71	20.27	21.87	24.86	25.64	25.78	26.10	0.00	24.81
Other Non-	12	7	13	11	38	152	617	1,698	1,803	685	161	0	5,197
Manual	0.23	0.13	0.25	0.21	0.73	2.92	11.87	32.67	34.69	13.18	3.10	0.00	5,.57
Workers	12.50	6.67	10.83	8.33	9.25	11.20	10.87	10.00	9.43	8.59	9.24	0.00	9.67
Skilled Manual	0	1	1	3	9	18	73	263	291	139	22	0	820
Workers	0.00	0.12	0.12	0.37	1.10	2.20	8.90	32.07	35.49	16.95	2.68	0.00	
	0.00	0.95	0.83	2.27	2.19	1.33	1.29	1.55	1.52	1.74	1.26	0.00	1.53
Semiskilled	5	10	4	7	31	101	398	1,080	1,137	407	85	0	3,265
Manual	0.15	0.31	0.12	0.21	0.95	3.09	12.19	33.08	34.82	12.47	2.60	0.00	
Workers	5.21	9.52	3.33	5.30	7.54	7.44	7.01	6.36	5.95	5.11	4.88	0.00	6.08
Unskilled	0	0	0	1	0	0	0	3	3	0	0	0	7
Manual	0.00	0.00	0.00	14.29	0.00	0.00	0.00	42.86	42.86	0.00	0.00	0.00	
Workers	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
Unemployed	8	4	8	10	30	95	344	740	598	203	33	5	2,078
	0.38	0.19	0.38	0.48	1.44	4.57	16.55	35.61	28.78	9.77	1.59	0.24	
	8.33	3.81	6.67	7.58	7.30	7.00	6.06	4.36	3.13	2.55	1.89	55.56	3.87
Not Classifiable	7	5	7	5	21	60	228	567	560	182	28	0	1,670
	0.42	0.30	0.42	0.30	1.26	3.59	13.65	33.95	33.53	10.90	1.68	0.00	
	7.29	4.76	5.83	3.79	5.11	4.42	4.02	3.34	2.93	2.28	1.61	0.00	3.11
Home Duties	21	31	34	39	119	421	1,688	4,708	5,077	2,236	531	2	14,907
	0.14	0.21	0.23	0.26	0.80	2.82	11.32	31.58	34.06	15.00	3.56	0.01	27.75
N. I. C.	21.88	29.52	28.33	29.55	28.95	31.02	29.75	27.72	26.56	28.06	30.46	22.22	27.75
Not Stated	3	4	3	6	10	25	153	336	309	117	20	2	988
	0.30	0.40	0.30	0.61	1.01	2.53	15.49	34.01	31.28	11.84	2.02	0.20	1.04
Total	3.13	3.81	2.50	4.55	2.43	1.84	2.70 E 674	1.98	1.62	1.47	1.15	22.22	1.84
Total	96 0.18	105	120	132	411	1,357	5,674	16,985	19,115	7,970	1,743		53,717
	0.18	0.20	0.22	0.25	0.77	2.53	10.56	31.62	35.58	14.84	3.24	0.02	100.00

Note: 'Not Applicable' is not used in the classification of maternal occupation. See Appendix B for a description of the classification system for occupations.

Table E15
Father's Occupation by Interval in Years Since Last Birth, Live Births and Stillbirths, 2000

Father's Occupation				Int	erval in year	rs since last b	oirth			
Frequency Row Per Cent Col. Per Cent	No Previous Births	1 year or less	>1 year to 2 years	> 2 years to 3 years	> 3 years to 4 years	> 4 years to 5 years	> 5 years to 6 years	More than 6 years	Not Stated	Total
Farmers & Farm	769	35	585	578	328	192	103	195	26	2,811
Managers	27.36	1.25	20.81	20.56	11.67	6.83	3.66	6.94	0.92	
	3.49	7.37	8.01	7.13	6.18	6.10	5.06	3.97	6.37	5.23
Other Agricultural	158	6	84	93	62	38	27	59	3	530
Occupations	29.81	1.13	15.85	17.55	11.70	7.17	5.09	11.13	0.57	
& Fishermen	0.72	1.26	1.15	1.15	1.17	1.21	1.33	1.20	0.74	0.99
Higher-	1,275	24	611	641	370	159	100	188	11	3,379
Professional	37.73	0.71	18.08	18.97	10.95	4.71	2.96	5.56	0.33	
	5.79	5.05	8.36	7.91	6.97	5.05	4.91	3.83	2.70	6.29
Lower-	742	8	310	372	217	117	65	145	19	1,995
Professional	37.19	0.40	15.54	18.65	10.88	5.86	3.26	7.27	0.95	
	3.37	1.68	4.24	4.59	4.09	3.71	3.19	2.95	4.66	3.71
Managers	1,547	25	708	887	505	257	171	344	17	4,461
J	34.68	0.56	15.87	19.88	11.32	5.76	3.83	7.71	0.38	
	7.03	5.26	9.69	10.95	9.52	8.16	8.40	7.00	4.17	8.30
Salaried-	463	10	194	224	155	95	48	108	6	1,303
Employees	35.53	0.77	14.89	17.19	11.90	7.29	3.68	8.29	0.46	,
1,	2.10	2.11	2.65	2.76	2.92	3.02	2.36	2.20	1.47	2.43
Non-Manual	1,508	39	629	813	573	314	187	386	35	4,484
Workers	33.63	0.87	14.03	18.13	12.78	7.00	4.17	8.61	0.78	.,
Workers	6.85	8.21	8.61	10.03	10.80	9.97	9.18	7.85	8.58	8.35
Other Non-	1,379	24	618	682	496	309	215	520	32	4,275
Manual	32.26	0.56	14.46	15.95	11.60	7.23	5.03	12.16	0.75	7,273
Workers	6.26	5.05	8.46	8.42	9.35	9.81	10.56	10.58	7.84	7.96
Skilled	3,271	81	1,397	1,696	1,093	664	401	941	65	9,609
Manual	34.04	0.84	14.54	17.65	1,033	6.91	4.17	9.79	0.68	3,003
Workers	14.86	17.05	19.12	20.93	20.60	21.08	19.70	19.15	15.93	17.89
Semiskilled	889	22	354	464	320	187	15.70	290	13.93	2,694
Manual	33.00	0.82	13.14	17.22	11.88	6.94	5.75	10.76	0.48	2,034
Workers	4.04	4.63	4.84	5.73	6.03	5.94	7.61	5.90	3.19	5.02
Unskilled	140	8	88	91	71	54	34	3.90 84	3.19	574
Manual	24.39	1.39	15.33	15.85	12.37	9.41	5.92	14.63	0.70	5/4
Workers	0.64	1.68	1.20	1.12	1.34	1.71	1.67	1.71	0.70	1.07
		40	257		136					
Unemployed	347			244		80 6.07	52 3.05	143	18	1,317
	26.35	3.04	19.51	18.53	10.33	6.07	3.95	10.86	1.37	2.45
NI-4	1.58	8.42	3.52	3.01	2.56	2.54	2.55	2.91	4.41	2.45
Not	168	6	68	46	26	20	10	32	8	384
Classifiable ¹	43.75	1.56	17.71	11.98	6.77	5.21	2.60	8.33	2.08	0.74
	0.76	1.26	0.93	0.57	0.49	0.63	0.49	0.65	1.96	0.71
Not Applicable	9,142	137	1,310	1,151	892	631	433	1,417	119	15,232
	60.02	0.90	8.60	7.56	5.86	4.14	2.84	9.30	0.78	20.22
	41.52	28.84	17.93	14.21	16.81	20.03	21.27	28.83	29.17	28.36
Not Stated	219	10	94	120	63	33	35	63	32	669
	32.74	1.49	14.05	17.94	9.42	4.93	5.23	9.42	4.78	
	0.99	2.11	1.29	1.48	1.19	1.05	1.72	1.28	7.84	1.25
Total	22,017 40.99	475 0.88	7,307 13.60	8,102 15.08	5,307 9.88	3,150 5.86	2,036 3.79	4,915 9.15	408 0.76	53,717 100.00

¹ In this table 'Not Classifiable' includes 49 Fathers whose occupation was recorded as 'Home Duties'.

Table E16
Mother's Occupation by Interval in Years Since Last Birth, Live Births and Stillbirths, 2000

Mother's				Int	terval in year	rs since last b	oirth			
Occupation Frequency Row Per Cent Col. Per Cent	No Previous Births	1 year or less	>1 year to 2 years	> 2 years to 3 years	> 3 years to 4 years	> 4 years to 5 years	> 5 years to 6 years	More than 6 years	Not Stated	Total
Farmers & Farm	43	2	22	12	9	6	5	7	0	106
Managers	40.57	1.89	20.75	11.32	8.49	5.66	4.72	6.60	0.00	
	0.20	0.42	0.30	0.15	0.17	0.19	0.25	0.14	0.00	0.20
Other Agricultural	28	0	4	9	0	0	2	7	0	50
Occupations	56.00	0.00	8.00	18.00	0.00	0.00	4.00	14.00	0.00	
& Fishermen	0.13	0.00	0.05	0.11	0.00	0.00	0.10	0.14	0.00	0.09
Higher-	956	9	334	331	164	80	46	85	6	2,011
Professional	47.54	0.45	16.61	16.46	8.16	3.98	2.29	4.23	0.30	
	4.34	1.89	4.57	4.09	3.09	2.54	2.26	1.73	1.47	3.74
Lower-	2,501	37	1,065	1,156	623	303	173	368	28	6,254
Professional	39.99	0.59	17.03	18.48	9.96	4.84	2.77	5.88	0.45	
	11.36	7.79	14.58	14.27	11.74	9.62	8.50	7.49	6.86	11.64
Managers	1,228	10	271	315	176	95	54	171	9	2,329
	52.73	0.43	11.64	13.53	7.56	4.08	2.32	7.34	0.39	
	5.58	2.11	3.71	3.89	3.32	3.02	2.65	3.48	2.21	4.34
Salaried-	406	5	77	86	60	23	14	34	2	707
Employees	57.43	0.71	10.89	12.16	8.49	3.25	1.98	4.81	0.28	
	1.84	1.05	1.05	1.06	1.13	0.73	0.69	0.69	0.49	1.32
Non-Manual	6,776	75	1,358	1,711	1,193	716	424	1,023	52	13,328
Workers	50.84	0.56	10.19	12.84	8.95	5.37	3.18	7.68	0.39	
	30.78	15.79	18.58	21.12	22.48	22.73	20.83	20.81	12.75	24.81
Other Non-	2,613	25	502	628	429	256	183	539	22	5,197
Manual	50.28	0.48	9.66	12.08	8.25	4.93	3.52	10.37	0.42	
Workers	11.87	5.26	6.87	7.75	8.08	8.13	8.99	10.97	5.39	9.67
Skilled	427	6	81	103	66	41	23	71	2	820
Manual	52.07	0.73	9.88	12.56	8.05	5.00	2.80	8.66	0.24	
Workers	1.94	1.26	1.11	1.27	1.24	1.30	1.13	1.44	0.49	1.53
Semiskilled	1,751	35	297	336	260	179	98	297	12	3,265
Manual	53.63	1.07	9.10	10.29	7.96	5.48	3.00	9.10	0.37	
Workers	7.95	7.37	4.06	4.15	4.90	5.68	4.81	6.04	2.94	6.08
Unskilled	4	0	1	0	0	0	2	0	0	7
Manual	57.14	0.00	14.29	0.00	0.00	0.00	28.57	0.00	0.00	
Workers	0.02	0.00	0.01	0.00	0.00	0.00	0.10	0.00	0.00	0.01
Unemployed	1,030	24	258	220	171	112	71	156	36	2,078
	49.57	1.15	12.42	10.59	8.23	5.39	3.42	7.51	1.73	
	4.68	5.05	3.53	2.72	3.22	3.56	3.49	3.17	8.82	3.87
Not Classifiable	1,404	7	55	62	34	38	19	46	5	1,670
	84.07	0.42	3.29	3.71	2.04	2.28	1.14	2.75	0.30	
	6.38	1.47	0.75	0.77	0.64	1.21	0.93	0.94	1.23	3.11
Home Duties	2,357	229	2,878	3,031	2,045	1,263	887	2,025	192	14,907
	15.81	1.54	19.31	20.33	13.72	8.47	5.95	13.58	1.29	
	10.71	48.21	39.39	37.41	38.53	40.10	43.57	41.20	47.06	27.75
Not Stated	493	11	104	102	77	38	35	86	42	988
	49.90	1.11	10.53	10.32	7.79	3.85	3.54	8.70	4.25	
	2.24	2.32	1.42	1.26	1.45	1.21	1.72	1.75	10.29	1.84
Total	22,017	475	7,307	8,102	5,307	3,150	2,036	4,915	408	53,717
	40.99	0.88	13.60	15.08	9.88	5.86	3.79	9.15	0.76	100.00

Note: 'Not Applicable' is not used in the classification of maternal occupation. See Appendix B for a description of the classification system for occupations.

Table E17 Father's Occupation by Infant's Type of Feeding, Live Births Only, 2000

Father's Occupation			Type of Feeding		
Frequency					
Row Per Cent Col. Per Cent	Artificial	Breast	Combined	Not Stated	Total
Farmers & Farm Managers	1,583	1,167	42	7	2,799
Tarriers & Farm Managers	56.56	41.69	1.50	0.25	2,733
	4.96	5.69	4.97	5.04	5.24
Other Agricultural Occupations & Fishermen	320	199	9	0	528
outer righteditarial occupations at instrument	60.61	37.69	1.70	0.00	320
	1.00	0.97	1.07	0.00	0.99
Higher-Professional	1,067	2,230	64	10	3,371
	31.65	66.15	1.90	0.30	,,,,,,
	3.34	10.87	7.57	7.19	6.31
Lower-Professional	684	1,250	46	5	1,985
	34.46	62.97	2.32	0.25	·
	2.14	6.09	5.44	3.60	3.72
Managers	1,978	2,387	70	7	4,442
, and the second	44.53	53.74	1.58	0.16	·
	6.20	11.63	8.28	5.04	8.31
Salaried-Employees	574	679	46	2	1,301
	44.12	52.19	3.54	0.15	
	1.80	3.31	5.44	1.44	2.44
Non-Manual Workers	2,373	1,982	97	6	4,458
	53.23	44.46	2.18	0.13	
	7.43	9.66	11.48	4.32	8.34
Other Non-Manual Workers	2,747	1,430	62	14	4,253
	64.59	33.62	1.46	0.33	
	8.61	6.97	7.34	10.07	7.96
Skilled Manual Workers	5,649	3,777	130	17	9,573
	59.01	39.45	1.36	0.18	
	17.70	18.40	15.38	12.23	17.92
Semiskilled Manual Workers	1,934	693	40	8	2,675
	72.30	25.91	1.50	0.30	
	6.06	3.38	4.73	5.76	5.01
Unskilled Manual Workers	465	98	7	2	572
	81.29	17.13	1.22	0.35	
	1.46	0.48	0.83	1.44	1.07
Unemployed	907	357	41	5	1,310
	69.24	27.25	3.13	0.38	
	2.84	1.74	4.85	3.60	2.45
Not Classifiable	169	193	15	3	380
	44.47	50.79	3.95	0.79	
	0.53	0.94	1.78	2.16	0.71
Not Applicable	11,091	3,839	154	42	15,126
	73.32	25.38	1.02	0.28	
	34.75	18.70	18.22	30.22	28.31
Not Stated	380	243	22	11	656
	57.93	37.04	3.35	1.68	
	1.19	1.18	2.60	7.91	1.23
Total	31,921	20,524	845	139	53,429
	59.74	38.41	1.58	0.26	100.00

In this table 'Not Classifiable' includes 46 fathers whose occupation was recorded as 'Home Duties'.'Not Stated' contains 88 Early Neonatal Deaths for which Type of Feeding was not stated.

Table E18 Mother's Occupation by Infant's Type of Feeding, Live Births Only, 2000

Mother's Occupation			Type of Feeding		
Frequency Row Per Cent					
Col. Per Cent	Artificial	Breast	Combined	Not Stated	Total
Farmers & Farm Managers	59	47	0	0	106
	55.66	44.34	0.00	0.00	
	0.18	0.23	0.00	0.00	0.20
Other Agricultural Occupations & Fishermen	27	23	0	0	50
	54.00	46.00	0.00	0.00	
	0.08	0.11	0.00	0.00	0.09
Higher-Professional	504	1,456	40	3	2,003
	25.16	72.69	2.00	0.15	
	1.58	7.09	4.73	2.16	3.75
Lower-Professional	2,058	4,049	104	14	6,225
	33.06	65.04	1.67	0.22	
	6.45	19.73	12.31	10.07	11.65
Managers	1,037	1,244	34	3	2,318
	44.74	53.67	1.47	0.13	
	3.25	6.06	4.02	2.16	4.34
Salaried-Employees	320	372	12	1	705
	45.39	52.77	1.70	0.14	
	1.00	1.81	1.42	0.72	1.32
Non-Manual Workers	8,231	4,830	187	27	13,275
	62.00	36.38	1.41	0.20	
	25.79	23.53	22.13	19.42	24.85
Other Non-Manual Workers	3,452	1,631	69	12	5,164
	66.85	31.58	1.34	0.23	
	10.81	7.95	8.17	8.63	9.67
Skilled Manual Workers	462	347	8	1	818
	56.48	42.42	0.98	0.12	
	1.45	1.69	0.95	0.72	1.53
Semiskilled Manual Workers	2,591	619	30	6	3,246
	79.82	19.07	0.92	0.18	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	8.12	3.02	3.55	4.32	6.08
Unskilled Manual Workers	6	1	0	0	7
Olishinea Maridai Workers	85.71	14.29	0.00	0.00	<u> </u>
	0.02	0.00	0.00	0.00	0.01
Unemployed	1,573	435	45	9	2,062
onemployed .	76.29	21.10	2.18	0.44	2,002
	4.93	2.12	5.33	6.47	3.86
Not Classifiable	1,142	488	21	5	1,656
Not classifiable	68.96	29.47	1.27	0.30	1,030
	3.58	2.38	2.49	3.60	3.10
Home Duties	9,847	4,659	268	47	14,821
Home Dates	9,647 66.44	31.44	1.81	0.32	14,021
	30.85	22.70	31.72	33.81	27.74
Not Stated					
Not Stated	612	323	27	11	973
	62.90	33.20	2.77	1.13	1.03
Total	1.92	1.57	3.20	7.91	1.82
Total	31,921	20,524	845	139	53,429
	59.74	38.41	1.58	0.26	100.00

Note: 'Not Applicable' is not used in the classification of maternal occupation. See Appendix B for a description of the classification system for occupations.

Table E19
Infant's Type of Feeding by Maternal Parity, Live Births Only, 2000

Type of Feeding					Materr	nal Parity				
Frequency Row Per Cent Col. Per Cent	0	1	2	3	4	5	6	More than 6	Not Stated	Total
Artificial	12,473	9,769	5,569	2,416	926	395	170	200	3	31,921
	39.07	30.60	17.45	7.57	2.90	1.24	0.53	0.63	0.01	
	56.99	60.95	60.68	62.43	64.94	72.21	69.39	81.97	42.86	59.74
Breast	9,006	5,997	3,434	1,368	465	139	72	42	1	20,524
	43.88	29.22	16.73	6.67	2.27	0.68	0.35	0.20	0.00	
	41.15	37.42	37.42	35.35	32.61	25.41	29.39	17.21	14.29	38.41
Combined	349	222	155	75	29	10	3	2	0	845
	41.30	26.27	18.34	8.88	3.43	1.18	0.36	0.24	0.00	
	1.59	1.39	1.69	1.94	2.03	1.83	1.22	0.82	0.00	1.58
Not Stated	58	39	19	11	6	3	0	0	3	139
	41.73	28.06	13.67	7.91	4.32	2.16	0.00	0.00	2.16	
	0.27	0.24	0.21	0.28	0.42	0.55	0.00	0.00	42.86	0.26
Total	21,886	16,027	9,177	3,870	1,426	547	245	244	7	53,429
	40.96	30.00	17.18	7.24	2.67	1.02	0.46	0.46	0.01	100.00

Appendix F

Wigglesworth Classification, 2000

Basis of System

In this section perinatal deaths are classified according to the system devised by Dr. J.S. Wigglesworth. The system is designed to be relatively straightforward and to overcome some of the inherent difficulties of subjectivity and lack of uniformity in the assignment of causes of perinatal death.⁷ With the aim of identifying areas with implications for perinatal care, five mutually exclusive and clinically relevant categories are suggested. Cross-classification of these categories by birthweight can then be used to highlight areas of particular concern.⁸

Method of Classification

The five broad pathological subgroups employed in the Wigglesworth classification are as follows:

- 1. Normally formed macerated stillbirth.
- 2. Congenital malformations (stillbirth or early neonatal death).
- 3. Conditions associated with immaturity (early neonatal death).
- 4. Asphyxial conditions developing in labour (stillbirth or early neonatal death).
- 5. Specific conditions other than the above.

The assignment of a unique Wigglesworth class to each perinatal death presents a number of difficulties. The first and most general of these results from the fact that no standard system has yet been devised for the translation of the ICD codes relating to main cause of death into the corresponding categories suggested by Wigglesworth. In most cases the assignment is straightforward, but in certain instances (for example, preterm births where asphyxia is indicated or stillbirths where antepartum haemorrhage is recorded), the appropriate classification is not immediately obvious and additional variables require consideration. For these reasons, gestational age and type of stillbirth (i.e. antepartum or intrapartum) are taken into account in the classification system described below. In adopting this system, note has also been taken of a number of pilot schemes carried out in Britain as well as the guidelines set out by Dr. Wigglesworth.⁹

⁷ Wigglesworth, J.S., 1980, "Monitoring Perinatal Mortality", The Lancet, Vol. 2, pp. 684-686.

⁸ The analysis by Wigglesworth's categories, unlike the main report, includes 45 live births that weighed less than 500 grams. The outcomes of these births were 25 stillbirths, 13 early neonatal deaths and 7 live births.

⁹ a) South East Thames Perinatal Monitoring Group, *Confidential Enquiry into Perinatal Deaths*, 1986. b) Unpublished report, "Scottish Stillbirth and Neonatal Death Enquiry", based on 1985 data.

Wiggleworth Classes	Assignment Criteria	ICD Codes (where appropiate)
Macerated stillbirth	 All intrapartum deaths where maceration is indicated as main cause of death. Antepartum deaths not due to antepartum haemorrhage and not assigned to any other category. 	-
Congenital malformations (stillbirth or early neonatal death)	All major congenital anomalies (stillbirth or early neonatal deaths).	740-742, 745-748, 750.3, 750.6, 751.1-751.8, 753, 756.0, 756.6, 756.7, 758-759
Immaturity (early neonatal death)	 All first week deaths due to structural lung immaturity and Hyaline Membrane Disease. First week deaths of less than 37 weeks gestation period where cause of death is not stated or does not fall into any other category. 	765, 769.0, 770.4, 772.1, 777.5
Asphyxia (stillbirth or early neonatal death)	 All first week deaths due to birth trauma and birth asphyxia. First week deaths of 37 or more weeks gestation or gestation unknown where cause is not stated or does not fall into any other category. Antepartum deaths due to antepartum haemorrhage. All intrapartum stillbirths except those due to specific conditions or congenital malformations. 	762.0, 762.1, 762.4, 762.5, 767-768
Specific conditions (stillbirth or early neonatal death)	Infection, isoimmunisation or other haemorrhage in the newborn.	760.1-760.5, 762.3, 770.0, 771, 773, 775, 777.0, 778.0

Results

Tabulations based on the Wigglesworth classification are presented in the following pages. Table F1 indicates the percentage of perinatal deaths attributable to each cause for 2000. Table F2 provides a classification of cause of death by birthweight and indicates cause and weight specific perinatal mortality rates for 2000. It is this table that shows the practical clinical implications of the Wigglesworth coding. Figure F1 is derived from the data contained in Table F2 and shows how the percentage contribution to perinatal mortality of each cause changes with birthweight group. Table F3 provides the same cross tabulations as Table F2 but uses a different definition of stillbirth based on 28 weeks gestation period. This is provided to facilitate possible local or international comparisons.

Table F1
Wigglesworth Classification for all Perinatal Deaths, 2000

Class	Frequency	Per Cent	Cumulative Frequency	Cumulative Per Cent
Macerated Stillbirths	223	42.72	223	42.72
Congenital Malformations	136	26.05	359	68.77
Immaturity	59	11.30	418	80.08
Asphyxial Conditions	76	14.56	494	94.64
Specific Conditions	28	5.36	522	100.00

Table F2
Birthweight Specific Perinatal Mortality Rates, 2000

Wigglesworth Classification

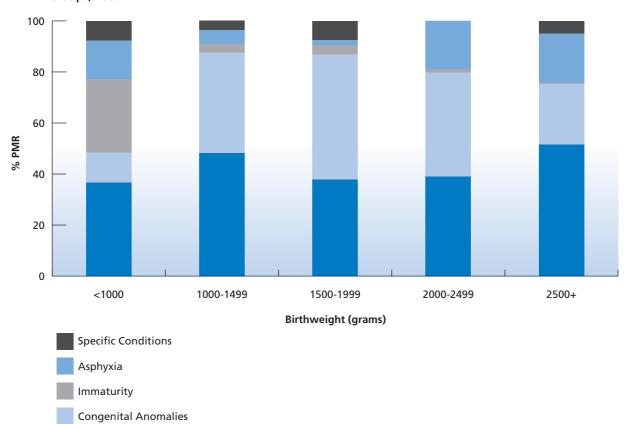
Birthweight (grams)		erated oirths		genital malies	lmma	turity	Aspł	тухіа		ecific litions	Tot	al
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Under 1000	66	220.74	21	70.23	52	173.91	27	90.03	14	46.82	180	602.01
1000-1499	27	85.44	22	69.62	2	6.33	3	9.49	2	6.33	56	177.22
1500-1999	20	35.40	26	46.02	2	3.54	1	1.77	4	7.08	53	93.81
2000-2499	25	14.53	26	15.12	1	0.58	12	6.98	0	0.00	64	37.21
2500 and over	85	1.63	39	0.75	1	0.02	32	0.61	8	0.15	165	3.15
Not Stated	0	0.00	2	181.82	1	90.91	1	90.91	0	0.00	4	363.64
Total	223	4.04	136	2.46	59	1.07	76	1.38	28	0.51	522	9.45

Table F3
Numbers of Perinatal Deaths and Mortality Rates
by Cause of Death and Birthweight, 2000

Wigglesworth Classification using the >=28 weeks definition of a Stillbirth

Birthweight (grams)		erated pirths		genital malies	lmma	turity	Aspl	hyxia		ecific litions	Tot	al
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Under 1000	26	110.64	18	76.60	52	221.28	12	51.06	8	34.04	116	493.62
1000-1499	26	82.54	22	69.84	2	6.35	3	9.52	2	6.35	55	174.60
1500-1999	20	35.40	26	46.02	2	3.54	1	1.77	4	7.08	53	93.81
2000-2499	25	14.53	26	15.12	1	0.58	12	6.98	0	0.00	64	37.21
2500 and over	85	1.63	39	0.75	1	0.02	32	0.61	8	0.15	165	3.15
Not Stated	0	0.00	1	100.00	1	100.00	1	100.00	0	0.00	3	300.00
Total	182	3.30	132	2.39	59	1.07	61	1.11	22	0.40	456	8.27

Figure F1
Wigglesworth Classification: Percentage Distribution of Perinatal Cause of Death by Birthweight
Groups, 2000



Source: See Appendix F, Table F2.

Macerated Stillbirth

Note: 'Not Stated' data not are included in the calculation of percentages.

Appendix G

Domiciliary Births: 1999 and 2000 Cross-Tabulations of Selected Variables: 2000

These births have been included in some of the analysis presented in previous sections.

In 1999 there were 246 domiciliary births. Of these, there was one early neonatal death and no stillbirths. For 2000 the number of domiciliary births reduced to 216 and again reported one early neonatal death and no stillbirths. There were no domiciliary multiple births in 1999 or 2000.

The tables that follow (G1-G8) present selected statistics on domiciliary births for 1999 and 2000 and contain a range of cross-tabulations relating to all domiciliary births for 2000. A full list of these tables is given in the Table of Contents. The format of each cross-tabulation is identical. The values of the two variables are given along the top and left. The top number in each cell indicates the number of observations relating to that combination of variable values. The second number indicates the percentage contribution of that cell to the total for the whole row. The last number indicates the percentage contribution of that cell to the total for the whole column. The figures at the end of each row or column give the overall total for that row or column, and the associated percentages express each of these figures as a percentage of the grand total.

Table G1
Trends in Selected Statistics, Domiciliary Births, 1999 and 2000

Selected Statistics	1999	2000
General Characteristics		
Average Age of Mother in years	33.47	33.33
Average Maternal Parity	1.52	1.62
Single Mothers (%)	25.20	29.63
Average Number of Previous Stillbirths per 1000 maternities	8.55	0.00
Average weight in grams - Total Births	3699.46	3726.71
Low birthweight <2500 grams (%) - Total Births	0.43	1.86
Average Gestational Age at delivery in weeks	40.04	39.92
Average interval since last birth in years	3.46	3.40
Perinatal Care		
Midwife and Hospital/GP combined antenatal care (%)	59.76	57.87
Average Gestational Age at time of first visit to doctor in		
weeks*	19.10	17.71
Immunity to Rubella (%)	92.34	90.70
Mother's breastfeeding (%)	98.25	96.63

^{*}This applies to the % homebirths where antenatal care is stated as combined, rather than Antenatal Care with midwife only.

Note:

- There were <u>no domiciliary multiple births</u> in either 1999 or 2000.
- Missing values are not included in the calculation of percentages.

Table G2 Age of Mother by Maternal Parity, 2000

Age of Mother				I	Vlaternal Parit	y			
Frequency Row Per Cent Col. Per Cent	0	1	2	3	4	5	6	Not Stated	Total
15-19	0	0	0	0	0	0	0	1	1
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.46
20-24	8	2	1	0	0	0	0	0	11
	72.73	18.18	9.09	0.00	0.00	0.00	0.00	0.00	
	26.67	2.56	1.52	0.00	0.00	0.00	0.00	0.00	5.09
25-29	5	19	8	3	0	0	0	0	35
	14.29	54.29	22.86	8.57	0.00	0.00	0.00	0.00	
	16.67	24.36	12.12	10.34	0.00	0.00	0.00	0.00	16.20
30-34	14	35	20	9	2	1	1	0	82
	17.07	42.68	24.39	10.98	2.44	1.22	1.22	0.00	
	46.67	44.87	30.30	31.03	28.57	33.33	100.00	0.00	37.96
35-39	3	20	34	15	5	2	0	1	80
	3.75	25.00	42.50	18.75	6.25	2.50	0.00	1.25	
	10.00	25.64	51.52	51.72	71.43	66.67	0.00	50.00	37.04
40-44	0	2	3	2	0	0	0	0	7
	0.00	28.57	42.86	28.57	0.00	0.00	0.00	0.00	
	0.00	2.56	4.55	6.90	0.00	0.00	0.00	0.00	3.24
Total	30	78	66	29	7	3	1	2	216
	13.89	36.11	30.56	13.43	3.24	1.39	0.46	0.93	100.00

Table G3

Age of Mother by Gestation Period at Delivery, 2000

Age of Mother		Ges	tation Period (we	eeks)	
Frequency Row Per Cent Col. Per Cent	32-36	37-41	42 and over	Not Stated	Total
15-19	1	0	0	0	1
	100.00	0.00	0.00	0.00	
	25.00	0.00	0.00	0.00	0.46
20-24	1	9	1	0	11
	9.09	81.82	9.09	0.00	
	25.00	4.57	7.14	0.00	5.09
25-29	0	34	1	0	35
	0.00	97.14	2.86	0.00	
	0.00	17.26	7.14	0.00	16.20
30-34	1	75	6	0	82
	1.22	91.46	7.32	0.00	
	25.00	38.07	42.86	0.00	37.96
35-39	1	72	6	1	80
	1.25	90.00	7.50	1.25	
	25.00	36.55	42.86	100.00	37.04
40-44	0	7	0	0	7
	0.00	100.00	0.00	0.00	
	0.00	3.55	0.00	0.00	3.24
Total	4	197	14	1	216
	1.85	91.20	6.48	0.46	100.00

Table G4
Birthweight by Gestation Period at Delivery, 2000

Birthweight (grams)		Gest	tation Period (we	eeks)	
Frequency Row Per Cent Col. Per Cent	32-36	37-41	42 and over	Not Stated	Total
1500-1999	1	0	0	0	1
	100.00	0.00	0.00	0.00	
	25.00	0.00	0.00	0.00	0.46
2000-2499	0	3	0	0	3
	0.00	100.00	0.00	0.00	
	0.00	1.52	0.00	0.00	1.39
2500-2999	3	11	0	0	14
	21.43	78.57	0.00	0.00	
	75.00	5.58	0.00	0.00	6.48
3000-3499	0	44	0	1	45
	0.00	97.78	0.00	2.22	
	0.00	22.34	0.00	100.00	20.83
3500-3999	0	77	7	0	84
	0.00	91.67	8.33	0.00	
	0.00	39.09	50.00	0.00	38.89
4000-4499	0	39	7	0	46
	0.00	84.78	15.22	0.00	
	0.00	19.80	50.00	0.00	21.30
4500 and over	0	22	0	0	22
	0.00	100.00	0.00	0.00	
	0.00	11.17	0.00	0.00	10.19
Not Stated	0	1	0	0	1
	0.00	100.00	0.00	0.00	
	0.00	0.51	0.00	0.00	0.46
Total	4	197	14	1	216
	1.85	91.20	6.48	0.46	100.00

Table G5
Mother's Occupation by Birthweight, 2000

Mother's Occupation				В	irthweight ((grams)			
Frequency Row Per Cent Col. Per Cent	1500-1999	2000-2499	2500-2999	3000-3499	3500-3999	4000-4499	4500 and over	Not Stated	Total
Other Agricultural	0	0	1	0	1	1	0	0	3
Occupations	0.00	0.00	33.33	0.00	33.33	33.33	0.00	0.00	
& Fishermen	0.00	0.00	7.14	0.00	1.19	2.17	0.00	0.00	1.39
Higher-	0	1	2	4	6	3	1	0	17
Professional	0.00	5.88	11.76	23.53	35.29	17.65	5.88	0.00	
	0.00	33.33	14.29	8.89	7.14	6.52	4.55	0.00	7.87
Lower-	0	1	0	11	29	14	4	0	59
Professional	0.00	1.69	0.00	18.64	49.15	23.73	6.78	0.00	
	0.00	33.33	0.00	24.44	34.52	30.43	18.18	0.00	27.31
Managers	0	0	1	2	1	2	1	0	7
	0.00	0.00	14.29	28.57	14.29	28.57	14.29	0.00	
	0.00	0.00	7.14	4.44	1.19	4.35	4.55	0.00	3.24
Salaried-	0	0	0	0	1	0	0	0	1
Employees	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.46
Non-Manual	0	0	0	6	4	5	1	0	16
Workers	0.00	0.00	0.00	37.50	25.00	31.25	6.25	0.00	
	0.00	0.00	0.00	13.33	4.76	10.87	4.55	0.00	7.41
Other Non-	0	0	1	2	7	5	0	0	15
Manual	0.00	0.00	6.67	13.33	46.67	33.33	0.00	0.00	
Workers	0.00	0.00	7.14	4.44	8.33	10.87	0.00	0.00	6.94
Skilled	0	0	1	1	1	0	0	0	3
Manual	0.00	0.00	33.33	33.33	33.33	0.00	0.00	0.00	
Workers	0.00	0.00	7.14	2.22	1.19	0.00	0.00	0.00	1.39
Semiskilled	0	0	0	0	0	1	0	0	1
Manual	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	
Workers	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	0.46
Unemployed	0	0	1	0	0	0	0	1	2
	0.00	0.00	50.00	0.00	0.00	0.00	0.00	50.00	
	0.00	0.00	7.14	0.00	0.00	0.00	0.00	100.00	0.93
Not Classifiable	0	0	0	1	1	1	0	0	3
	0.00	0.00	0.00	33.33	33.33	33.33	0.00	0.00	
	0.00	0.00	0.00	2.22	1.19	2.17	0.00	0.00	1.39
Home Duties	1	1	6	17	27	14	15	0	81
	1.23	1.23	7.41	20.99	33.33	17.28	18.52	0.00	
	100.00	33.33	42.86	37.78	32.14	30.43	68.18	0.00	37.50
Not Stated	0	0	1	1	6	0	0	0	8
	0.00	0.00	12.50	12.50	75.00	0.00	0.00	0.00	
	0.00	0.00	7.14	2.22	7.14	0.00	0.00	0.00	3.70
Total	1	3	14	45	84	46	22	1	216
	0.46	1.39	6.48	20.83	38.89	21.30	10.19	0.46	100.00

Table G6 Marital Status by Age of Mother, 2000

Marital Status		Age of Mother							
Frequency Row Per Cent Col. Per Cent	15-19	20-24	25-29	30-34	35-39	40-44	Total		
Married	0	2	22	55	61	6	146		
	0.00	1.37	15.07	37.67	41.78	4.11			
	0.00	18.18	62.86	67.07	76.25	85.71	67.59		
Single	1	9	13	26	14	1	64		
	1.56	14.06	20.31	40.63	21.88	1.56			
	100.00	81.82	37.14	31.71	17.50	14.29	29.63		
Separated	0	0	0	1	4	0	5		
	0.00	0.00	0.00	20.00	80.00	0.00			
	0.00	0.00	0.00	1.22	5.00	0.00	2.31		
Divorced	0	0	0	0	1	0	1		
	0.00	0.00	0.00	0.00	100.00	0.00			
	0.00	0.00	0.00	0.00	1.25	0.00	0.46		
Total	1	11	35	82	80	7	216		
	0.46	5.09	16.20	37.96	37.04	3.24	100.00		

Table G7
Father's Occupation by Infant's Type of Feeding, 2000

Father's Occupation	Type of Feeding							
Frequency Row Per Cent Col. Per Cent	Artificial	Breast	Not Stated	Total				
Farmers & Farm Managers	0	6	0	6				
	0.00	100.00	0.00					
	0.00	2.99	0.00	2.78				
Other Agricultural Occupations	0	4	0	4				
& Fishermen	0.00	100.00	0.00					
	0.00	1.99	0.00	1.85				
Higher-Professional	1	25	1	27				
	3.70	92.59	3.70					
	14.29	12.44	12.50	12.50				
Lower-Professional	0	38	0	38				
	0.00	100.00	0.00					
	0.00	18.91	0.00	17.59				
Managers	0	26	0	26				
	0.00	100.00	0.00					
	0.00	12.94	0.00	12.04				
Salaried-Employees	0	5	0	5				
	0.00	100.00	0.00	2.24				
NI NA INACI	0.00	2.49	0.00	2.31				
Non-Manual Workers	1	18	0	19				
	5.26	94.74	0.00	0.00				
Other Non-Manual Workers	14.29	8.96	0.00	8.80 21				
Other Non-Ivianual Workers		18 85.71	14.29	21				
	0.00	8.96	37.50	9.72				
Skilled Manual Workers	3	41	37.50	45				
Skilled Maridal Workers	6.67	91.11	2.22	45				
	42.86	20.40	12.50	20.83				
Semiskilled Manual Workers	0	5	12.30	6				
Jerriskined Maridal Workers	0.00	83.33	16.67					
	0.00	2.49	12.50	2.78				
Unskilled Manual Workers	0.00	1	0	1				
Orisimed Maridal Workers	0.00	100.00	0.00	•				
	0.00	0.50	0.00	0.46				
Unemployed	0	1	0	1				
	0.00	100.00	0.00	·				
	0.00	0.50	0.00	0.46				
Not Classifiable	1	3	0	4				
	25.00	75.00	0.00					
	14.29	1.49	0.00	1.85				
Not Applicable	1	5	1	7				
	14.29	71.43	14.29					
	14.29	2.49	12.50	3.24				
Not Stated	0	5	1	6				
	0.00	83.33	16.67					
	0.00	2.49	12.50	2.78				
Total	7	201	8	216				
	3.24	93.06	3.70	100.00				

Table G8
Mother's Occupation by Infant's Type of Feeding, 2000

Mother's Occupation		Type of	Feeding	
Frequency Row Per Cent Col. Per Cent	Artificial	Breast	Not Stated	Total
Other Agricultural Occupations	0	3	0	3
& Fishermen	0.00	100.00	0.00	
	0.00	1.49	0.00	1.39
Higher-Professional	1	16	0	17
	5.88	94.12	0.00	
	14.29	7.96	0.00	7.87
Lower-Professional	2	56	1	59
	3.39	94.92	1.69	
	28.57	27.86	12.50	27.31
Managers	0	7	0	7
	0.00	100.00	0.00	
	0.00	3.48	0.00	3.24
Salaried-Employees	0	1	0	1
	0.00	100.00	0.00	
N. 84 INC. I	0.00	0.50	0.00	0.46
Non-Manual Workers	2	12	2	16
	12.50	75.00	12.50	7.44
OIL N. M. LVV. I	28.57	5.97	25.00	7.41
Other Non-Manual Workers	0	15	0	15
	0.00	100.00	0.00	6.04
Chilled Manual Western	0.00	7.46	0.00	6.94
Skilled Manual Workers	0	3	0	3
	0.00	100.00	0.00	1 20
Semiskilled Manual Workers	0.00	1.49 1	0.00	1.39
Semiskilled Maridal Workers	0.00	100.00	0.00	'
	0.00	0.50	0.00	0.46
Unemployed	0.00	0.30	0.00	2
onemployed	0.00	50.00	50.00	2
	0.00	0.50	12.50	0.93
Not Classifiable	0.00	3	0	3
	0.00	100.00	0.00	
	0.00	1.49	0.00	1.39
Home Duties	2	76	3	81
	2.47	93.83	3.70	<u> </u>
	28.57	37.81	37.50	37.50
Not Stated	0	7	1	8
	0.00	87.50	12.50	
	0.00	3.48	12.50	3.70
Total	7	201	8	216
	3.24	93.06	3.70	100.00

